

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033119\
 Data File : VN054843.D
 Acq On : 31 Mar 2019 11:59
 Operator : JC/SP
 Sample : VN0331WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 02:44:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	427489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	685663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	592855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	252151	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	118560	20.57	ug/l	0.00
Spiked Amount			Recovery	=	41.14%	
35) Dibromofluoromethane	7.59	113	93724	20.50	ug/l	0.00
Spiked Amount			Recovery	=	41.00%	
50) Toluene-d8	10.09	98	339907	20.00	ug/l	0.00
Spiked Amount			Recovery	=	40.00%	
62) 4-Bromofluorobenzene	12.40	95	113386	20.06	ug/l	0.00
Spiked Amount			Recovery	=	40.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	84139	19.458	ug/l	98
3) Chloromethane	2.06	50	114596	19.167	ug/l	100
4) Vinyl Chloride	2.19	62	106451	19.827	ug/l	98
5) Bromomethane	2.58	94	57525	19.044	ug/l	91
6) Chloroethane	2.71	64	58493	19.510	ug/l	97
7) Trichlorofluoromethane	3.02	101	136023	20.607	ug/l	99
8) Diethyl Ether	3.42	74	44417	20.897	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	74382	21.406	ug/l	93
10) Methyl Iodide	3.94	142	71300	14.988	ug/l #	86
11) Tert butyl alcohol	4.83	59	36988	123.193	ug/l	100
12) 1,1-Dichloroethene	3.73	96	69814	20.776	ug/l #	76
13) Acrolein	3.61	56	25164	93.751	ug/l	99
14) Allyl chloride	4.31	41	166349	20.098	ug/l #	91
15) Acrylonitrile	5.00	53	187811	112.539	ug/l	99
16) Acetone	3.82	43	193792	141.022	ug/l #	82
17) Carbon Disulfide	4.04	76	202484	18.578	ug/l	98
18) Methyl Acetate	4.33	43	85630	23.435	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	249243	21.204	ug/l	93
20) Methylene Chloride	4.54	84	98079	20.234	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	87307	19.781	ug/l #	83
22) Diisopropyl ether	5.96	45	341193	20.842	ug/l #	93
23) Vinyl Acetate	5.90	43	1242538	109.069	ug/l #	93
24) 1,1-Dichloroethane	5.84	63	182127	20.856	ug/l	97
25) 2-Butanone	6.85	43	259454	127.727	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	126341	20.642	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	102756	20.609	ug/l	87
28) Bromochloromethane	7.19	49	94683	21.683	ug/l #	70
29) Tetrahydrofuran	7.22	42	156861	111.182	ug/l #	84
30) Chloroform	7.37	83	175746	21.106	ug/l	99
31) Cyclohexane	7.65	56	171914	20.385	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	146241	21.192	ug/l	94
36) 1,1-Dichloropropene	7.79	75	130785	20.470	ug/l	96
37) Ethyl Acetate	6.94	43	102301	21.835	ug/l	95
38) Carbon Tetrachloride	7.77	117	124533	20.068	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	153020	21.785	ug/l	90
40) Benzene	8.04	78	392059	21.446	ug/l	98
41) Methacrylonitrile	7.18	41	56335	21.404	ug/l	88
42) 1,2-Dichloroethane	8.13	62	141916	21.741	ug/l	96
43) Isopropyl Acetate	8.17	43	174256	22.890	ug/l #	92
44) Trichloroethene	8.83	130	97328	20.509	ug/l	89
45) 1,2-Dichloropropane	9.12	63	108695	20.852	ug/l	97
46) Dibromomethane	9.21	93	63070	21.508	ug/l	89
47) Bromodichloromethane	9.40	83	130247	21.372	ug/l	96
48) Methyl methacrylate	9.20	41	87418	21.183	ug/l	87
49) 1,4-Dioxane	9.21	88	20139	491.836	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	502432	117.387	ug/l	91
52) Toluene	10.16	92	232971	21.416	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	116673	20.352	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	147020	21.469	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	88107	21.782	ug/l	96
56) Ethyl methacrylate	10.43	69	113835	21.454	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	152162	21.881	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	216794	101.276	ug/l	89
59) 2-Hexanone	10.75	43	332196	121.240	ug/l	89
60) Dibromochloromethane	10.90	129	88581	21.619	ug/l	100
61) 1,2-Dibromoethane	11.01	107	83460	21.591	ug/l	100
64) Tetrachloroethene	10.63	164	94938	20.868	ug/l	96
65) Chlorobenzene	11.43	112	239514	20.634	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	93314	21.478	ug/l	97
67) Ethyl Benzene	11.51	91	440346	21.023	ug/l	98
68) m/p-Xylenes	11.62	106	319527	41.222	ug/l	92
69) o-Xylene	11.95	106	156681	20.613	ug/l	94
70) Styrene	11.96	104	259119	21.321	ug/l	97
71) Bromoform	12.13	173	52128	20.480	ug/l #	99
73) Isopropylbenzene	12.25	105	421871	20.469	ug/l	98
74) N-amyl acetate	12.07	43	133124	20.733	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	111290	23.591	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	126160	28.801	ug/l #	100
77) Bromobenzene	12.53	156	101585	20.423	ug/l	86
78) n-propylbenzene	12.59	91	465636	20.556	ug/l	96
79) 2-Chlorotoluene	12.68	91	283137	20.203	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	346946	20.516	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	21662	19.235	ug/l #	76
82) 4-Chlorotoluene	12.77	91	279527	20.535	ug/l	93
83) tert-Butylbenzene	12.99	119	297427	21.510	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	337238	20.932	ug/l	97
85) sec-Butylbenzene	13.17	105	381684	20.777	ug/l	97
86) p-Isopropyltoluene	13.29	119	330754	20.413	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	166332	19.973	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	163395	20.004	ug/l	97
89) n-Butylbenzene	13.62	91	262621	19.866	ug/l	96
90) Hexachloroethane	13.88	117	53156	19.323	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	167684	19.951	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15817	22.449	ug/l	79

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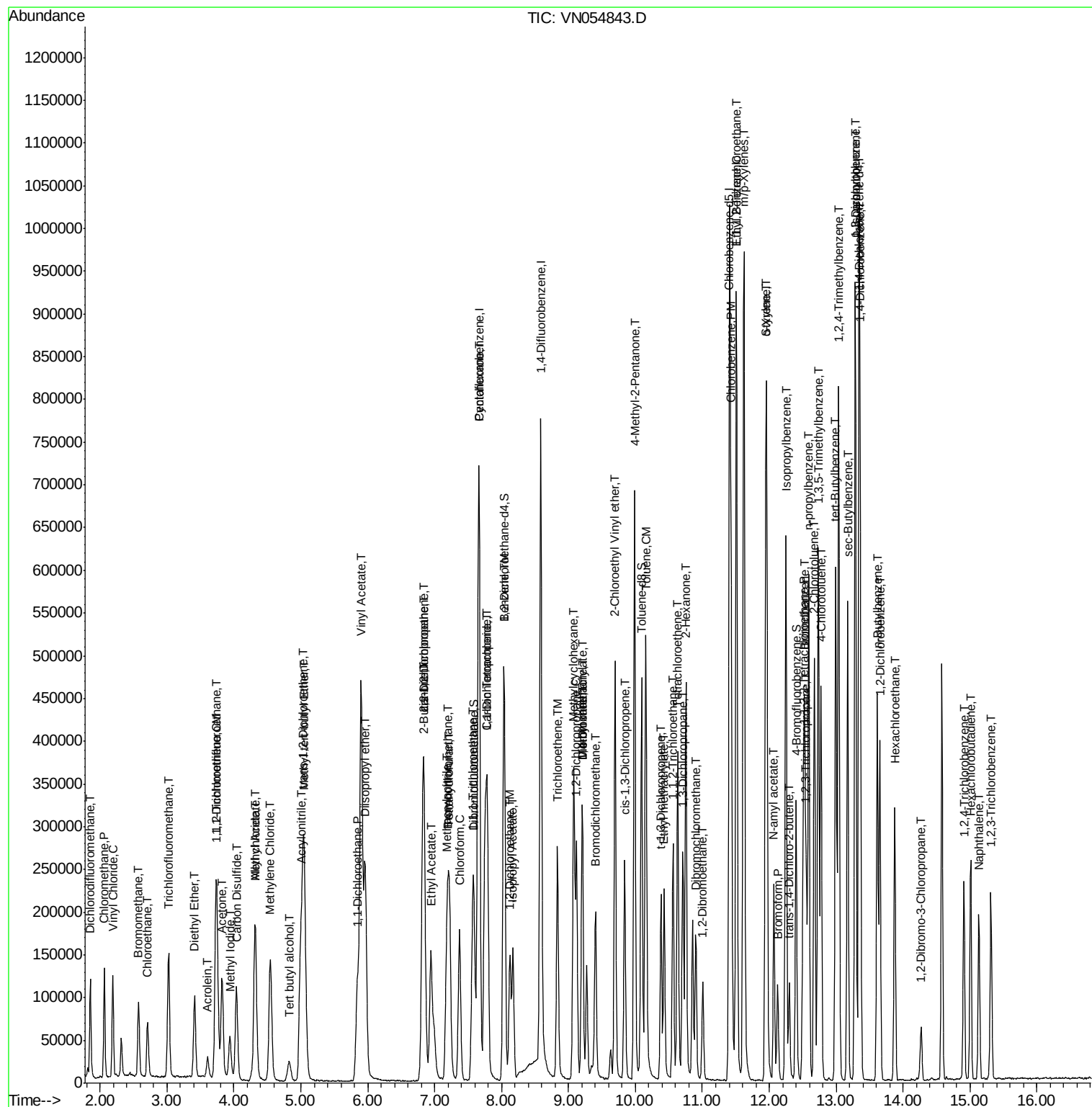
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	72225	17.825	ug/l	99
94) Hexachlorobutadiene	15.01	225	52334	20.571	ug/l	99
95) Naphthalene	15.13	128	161618	17.784	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	78378	19.153	ug/l	98

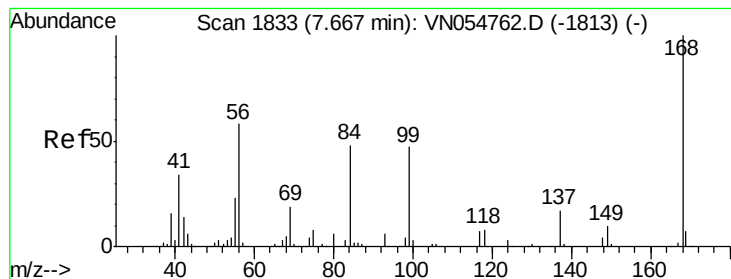
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

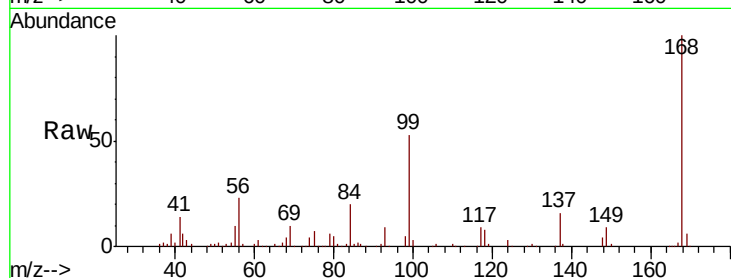
ClientSampled :

Tot Ion:168 Resp: 427489

Ion Ratio Lower Upper

168 100

99 52.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

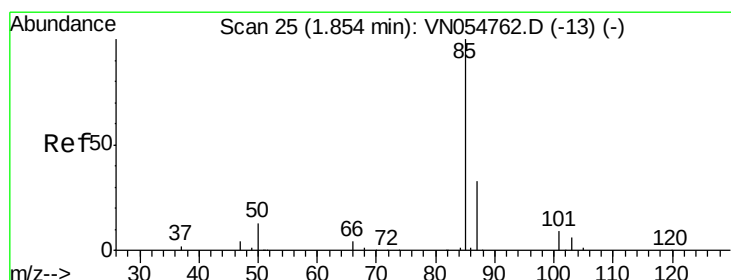
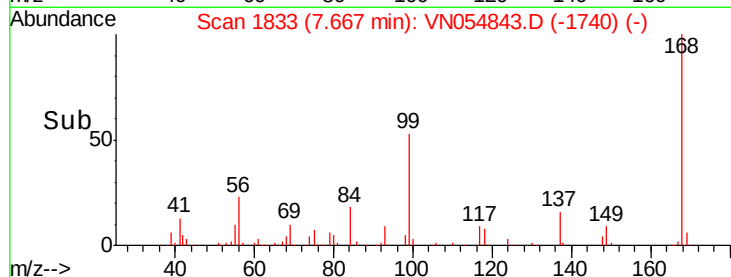
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.458 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054843.D

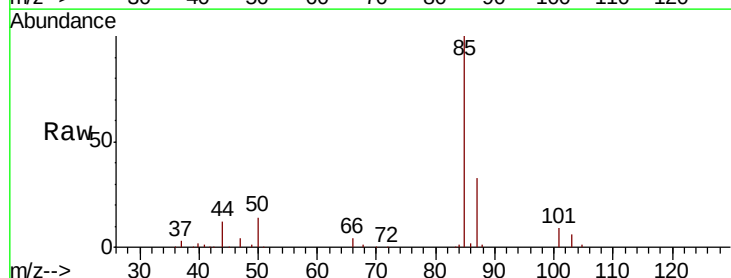
Acq: 31 Mar 2019 11:59

Tgt Ion: 85 Resp: 84139

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

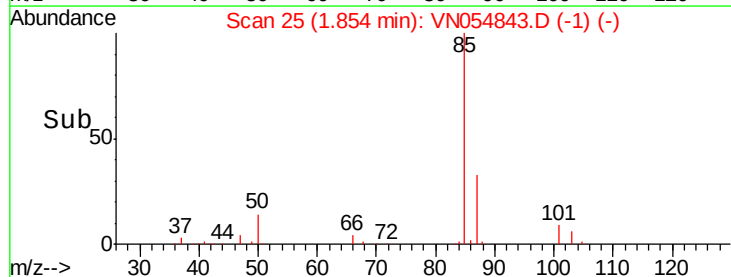
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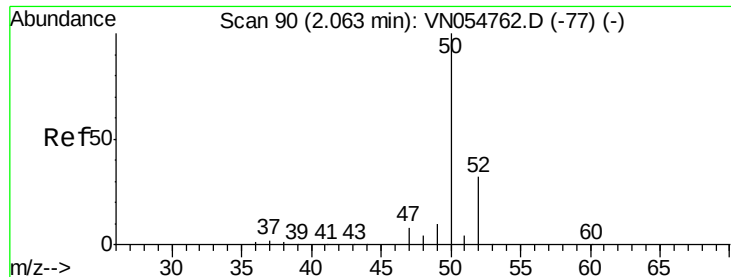
40000

20000

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Time-->





#3

Chloromethane

Concen: 19.167 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

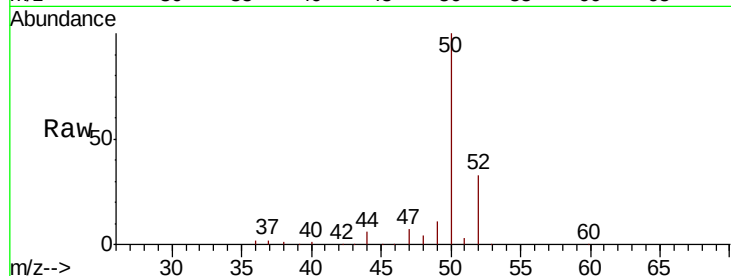
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 114596

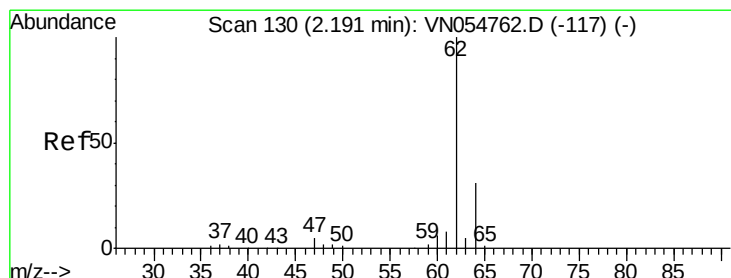
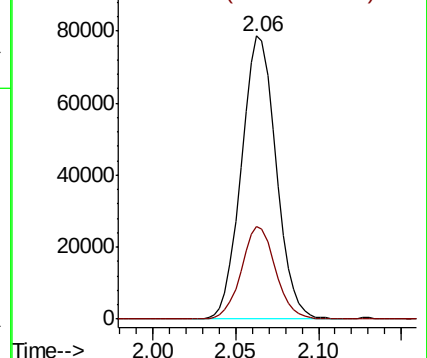
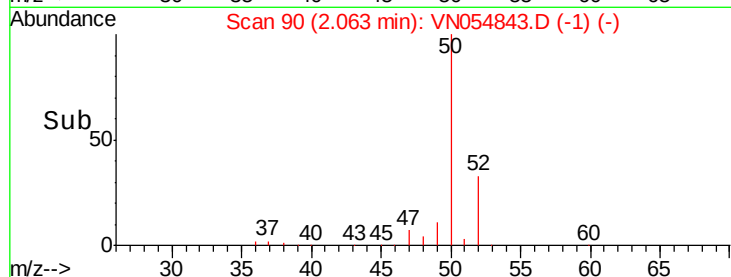
Ion Ratio Lower Upper

50 100

52 32.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN054843.D (-1) (-)



#4

Vinyl Chloride

Concen: 19.827 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054843.D

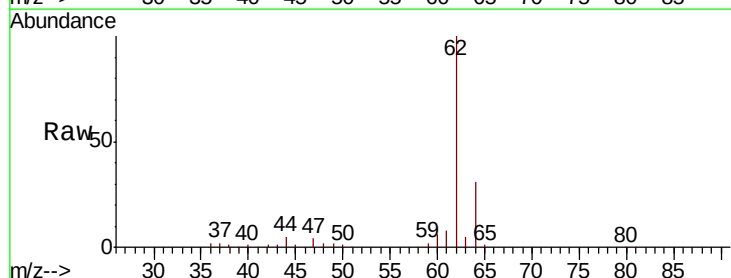
Acq: 31 Mar 2019 11:59

Tgt Ion: 62 Resp: 106451

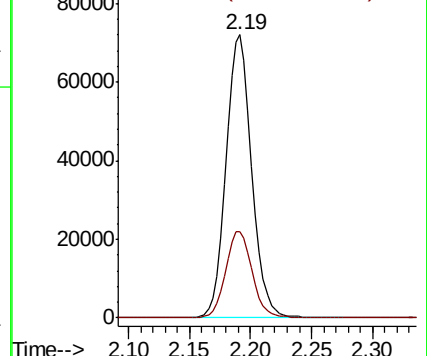
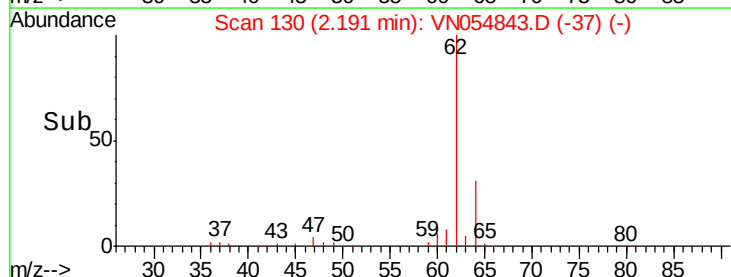
Ion Ratio Lower Upper

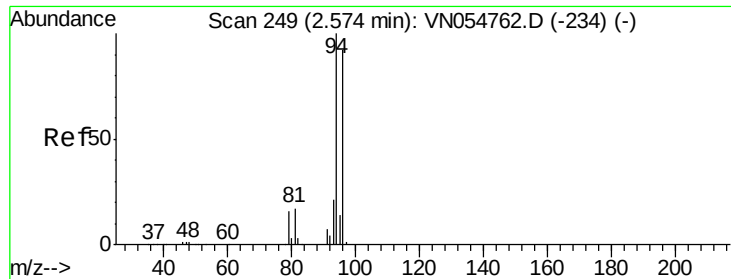
62 100

64 30.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN054843.D (-37) (-)





#5

Bromomethane

Concen: 19.044 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

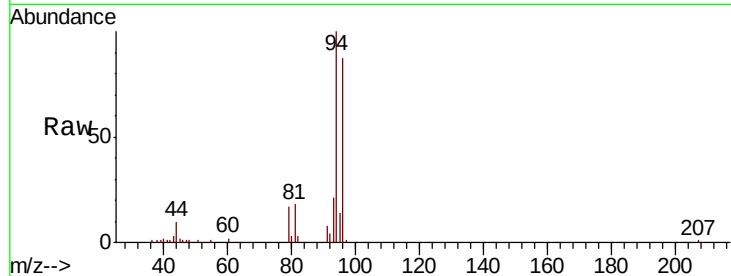
ClientSampleId :

Tot Ion: 94 Resp: 57525

Ion Ratio Lower Upper

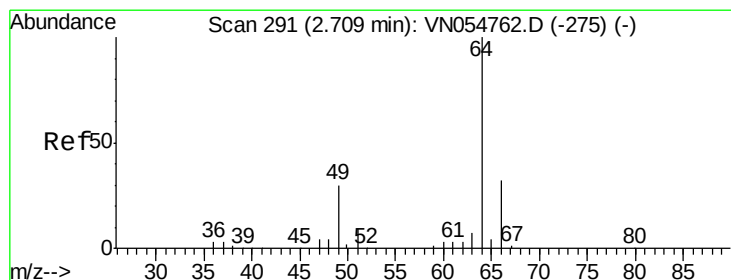
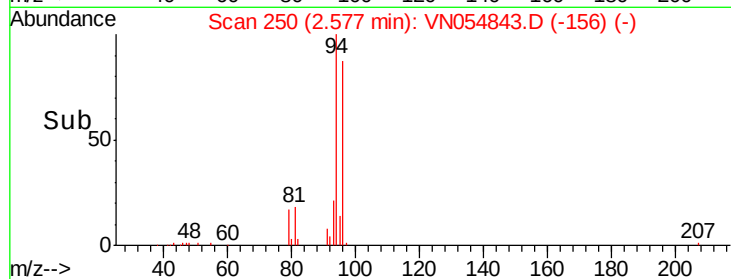
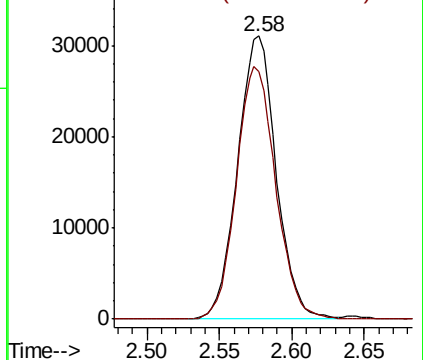
94 100

96 87.4 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.510 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054843.D

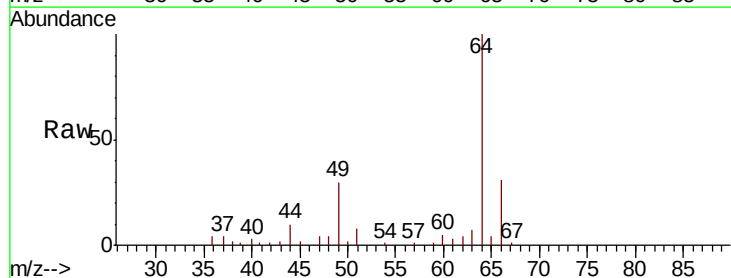
Acq: 31 Mar 2019 11:59

Tgt Ion: 64 Resp: 58493

Ion Ratio Lower Upper

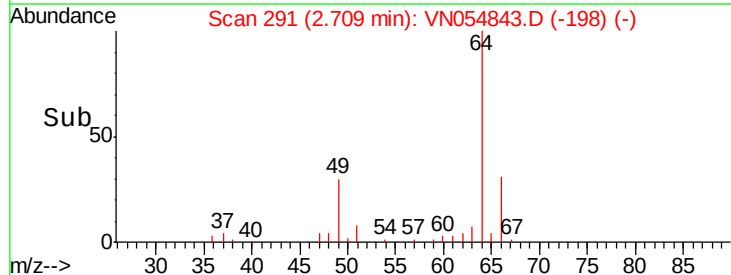
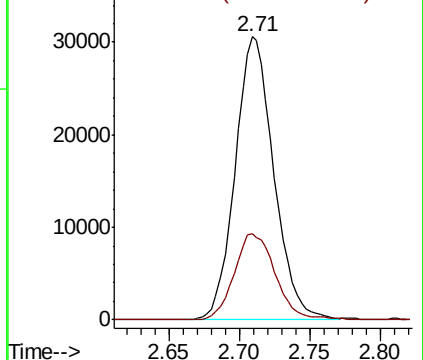
64 100

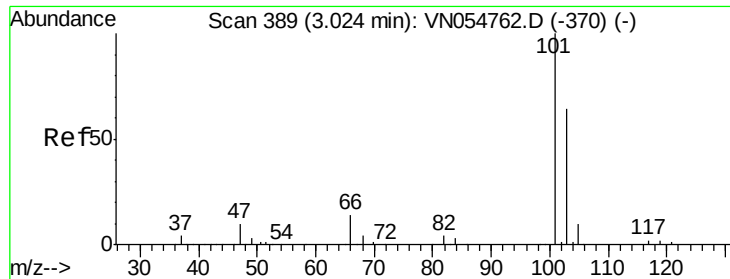
66 30.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



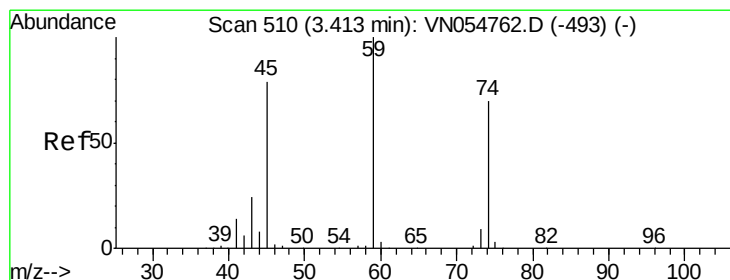
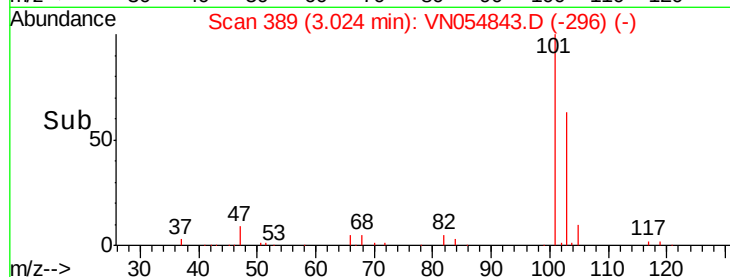
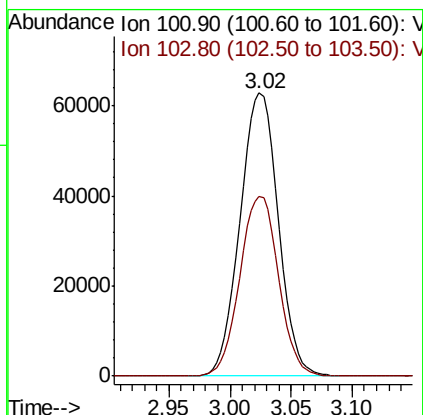
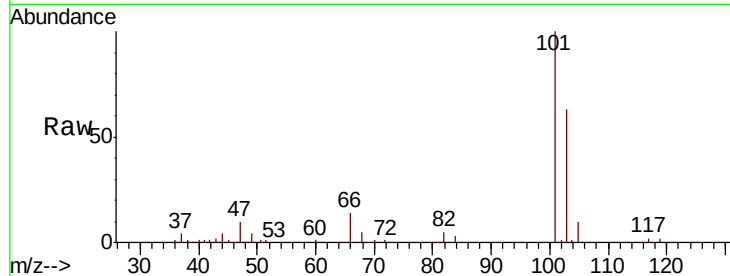


#7

Trichlorofluoromethane
Concen: 20.607 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :

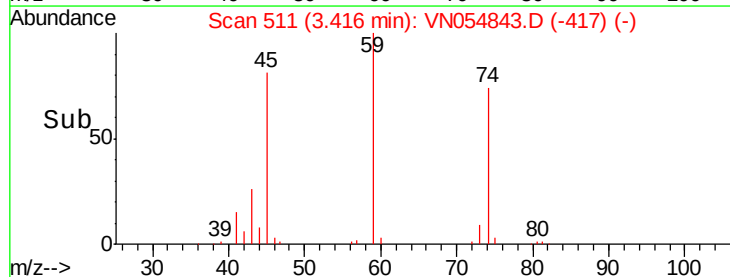
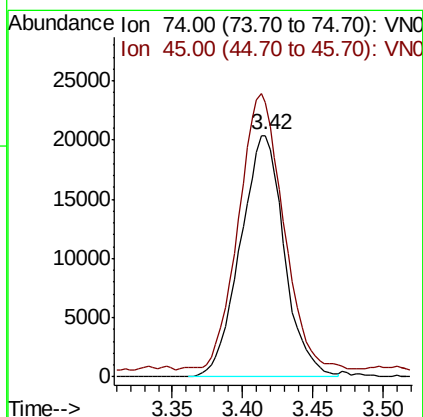
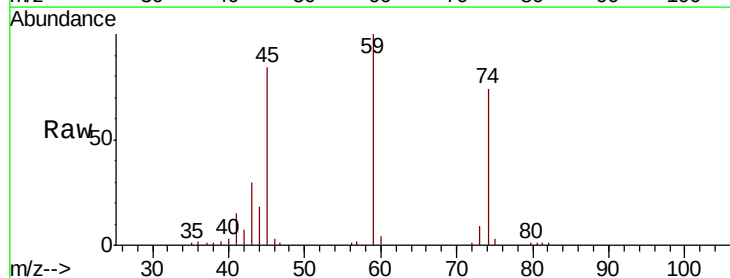
Tot Ion:101 Resp: 136023
Ion Ratio Lower Upper
101 100
103 63.4 51.4 77.2

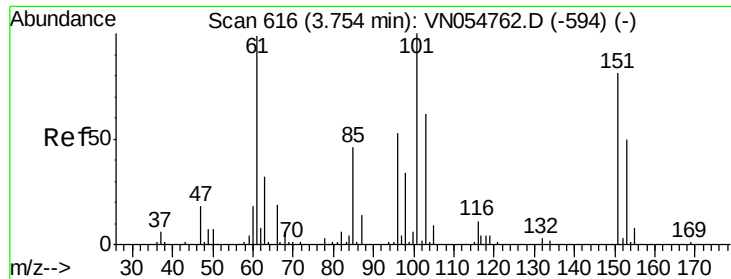


#8

Diethyl Ether
Concen: 20.897 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion: 74 Resp: 44417
Ion Ratio Lower Upper
74 100
45 115.7 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.406 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

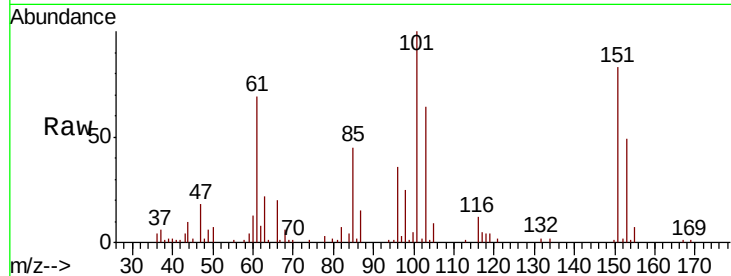
Tot Ion:101 Resp: 74382

Ion Ratio Lower Upper

101 100

85 47.7 32.4 48.6

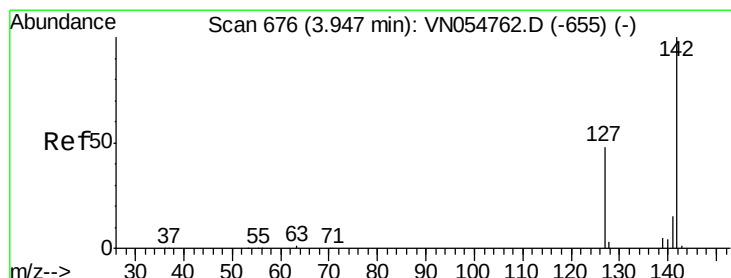
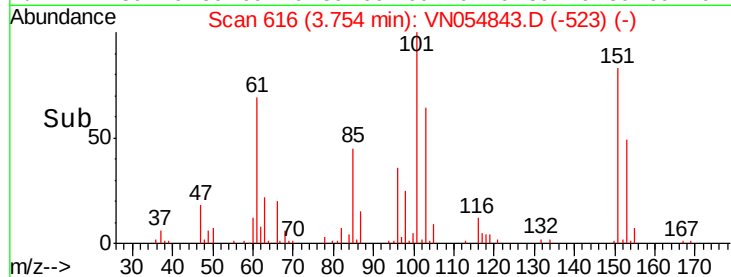
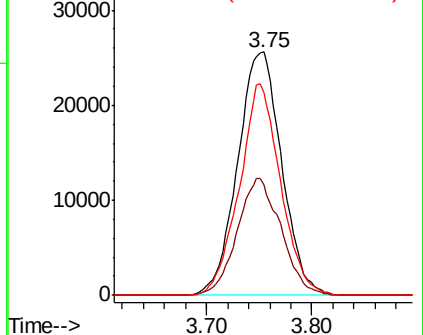
151 81.2 68.2 102.2



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: 14.988 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.01 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

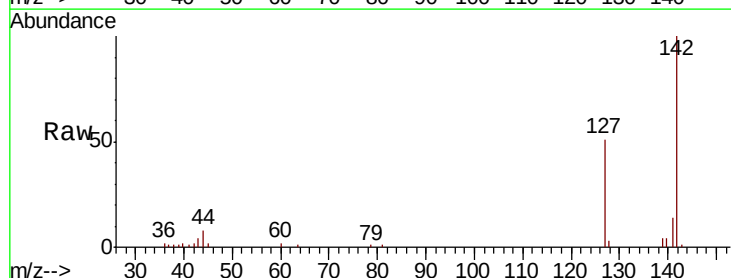
Tgt Ion:142 Resp: 71300

Ion Ratio Lower Upper

142 100

127 49.0 30.3 45.5#

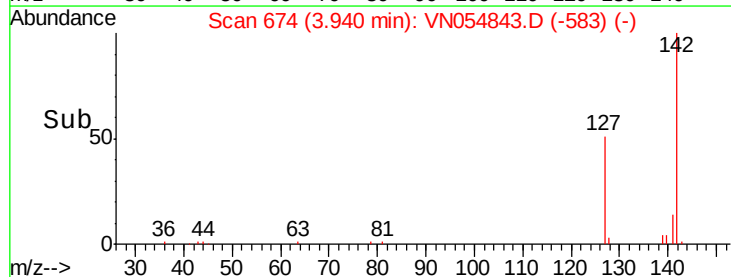
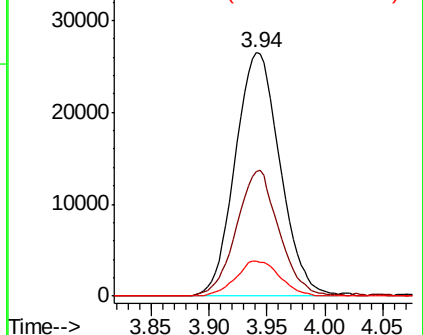
141 14.2 11.2 16.8

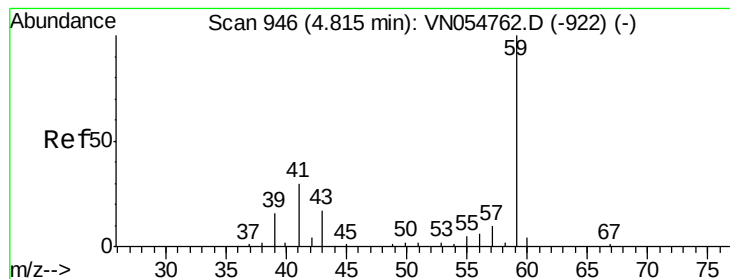


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



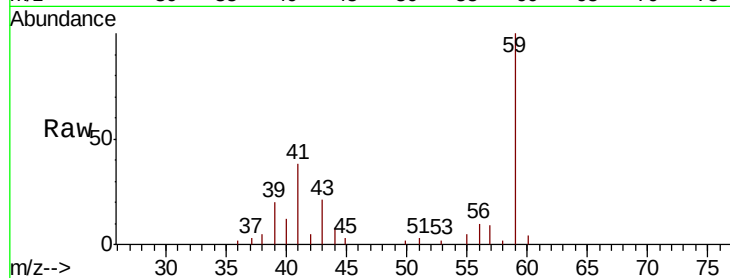


#11

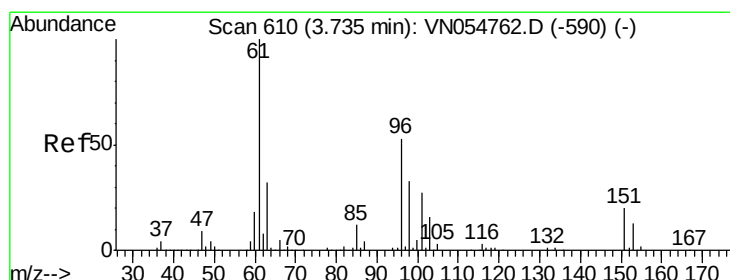
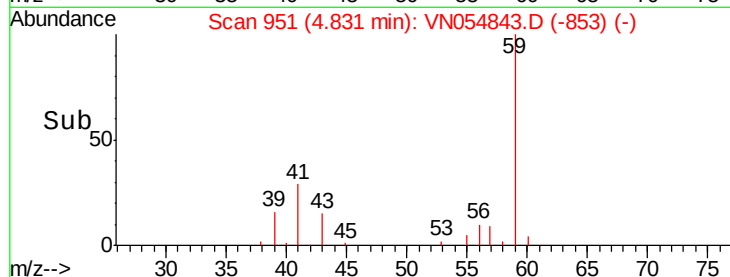
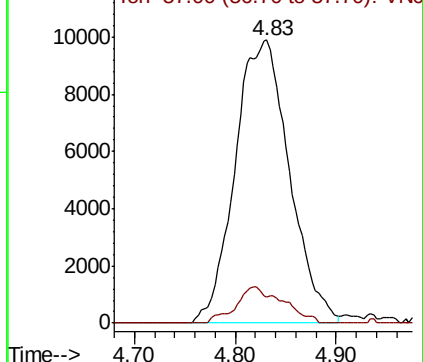
Tert butyl alcohol
 Concen: 123.193 ug/l
 RT: 4.83 min Scan# 951
 Delta R.T. 0.02 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 59 Resp: 36988
 Ion Ratio Lower Upper
 59 100
 57 11.2 9.0 13.6



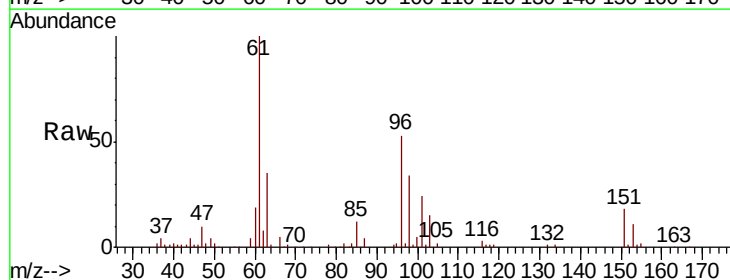
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



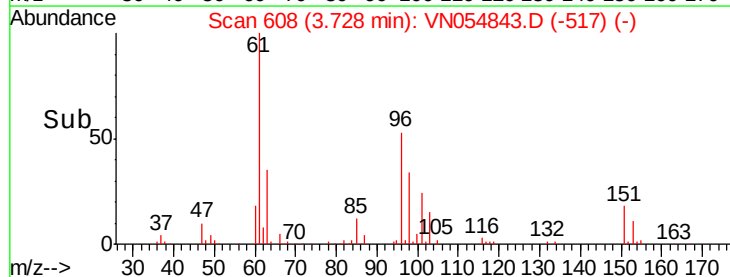
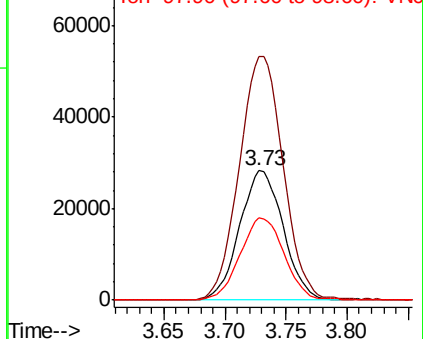
#12

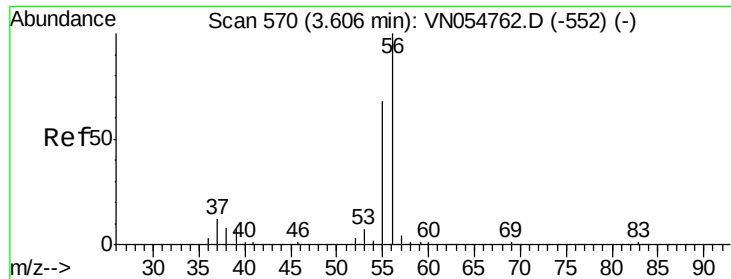
1,1-Dichloroethene
 Concen: 20.776 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion: 96 Resp: 69814
 Ion Ratio Lower Upper
 96 100
 61 187.9 116.5 174.7#
 98 63.2 51.0 76.4



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





#13

Acrolein

Concen: 93.751 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

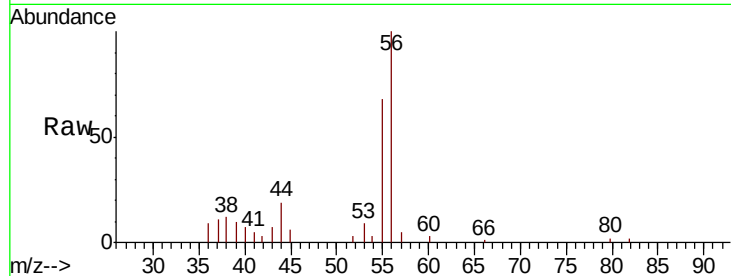
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 25164

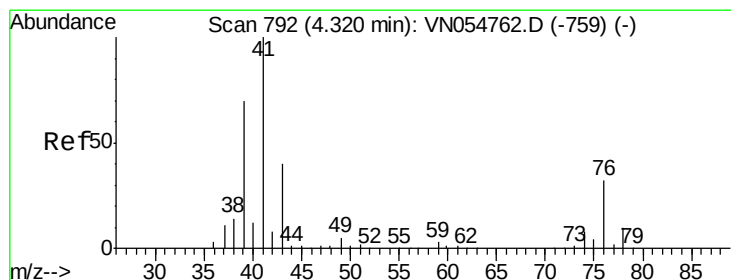
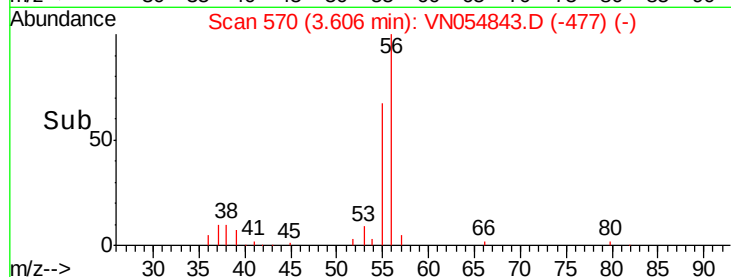
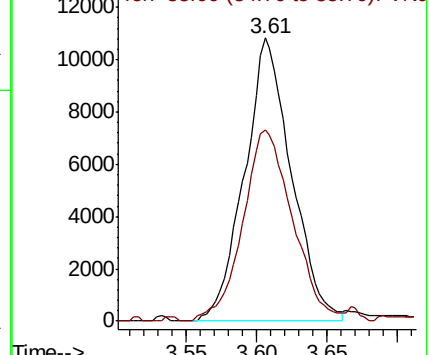
Ion Ratio Lower Upper

56 100

55 71.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN054843.D (-477) (-)



#14

Allyl chloride

Concen: 20.098 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

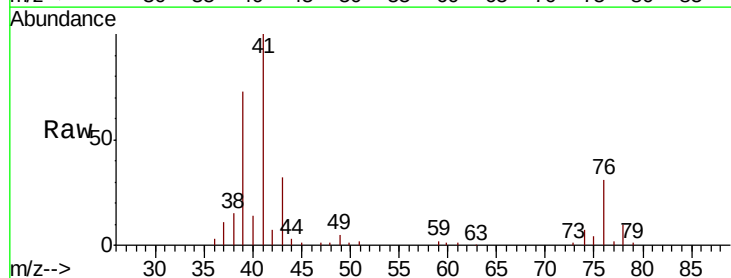
Tgt Ion: 41 Resp: 166349

Ion Ratio Lower Upper

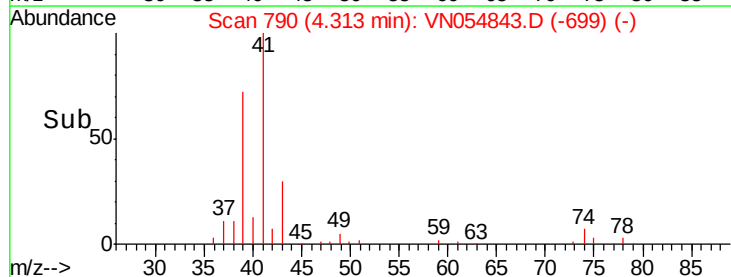
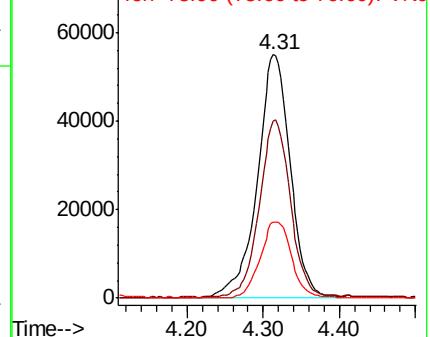
41 100

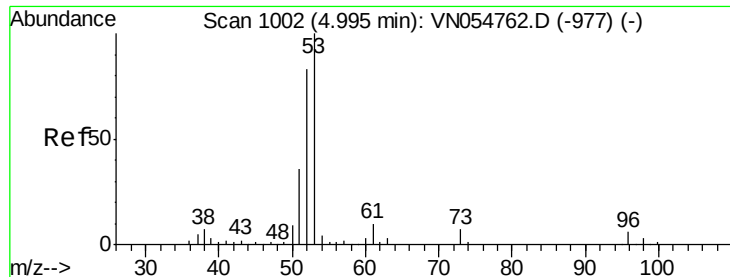
39 68.2 58.2 87.4

76 29.6 31.7 47.5#



Abundance Ion 41.00 (40.70 to 41.70): VN054843.D (-699) (-)





#15

Acrylonitrile

Concen: 112.539 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

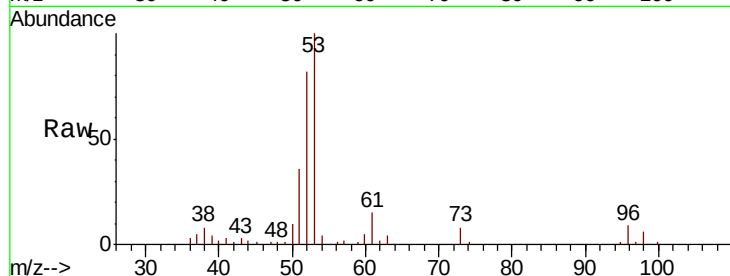
Tot Ion: 53 Resp: 187811

Ion Ratio Lower Upper

53 100

52 84.0 66.4 99.6

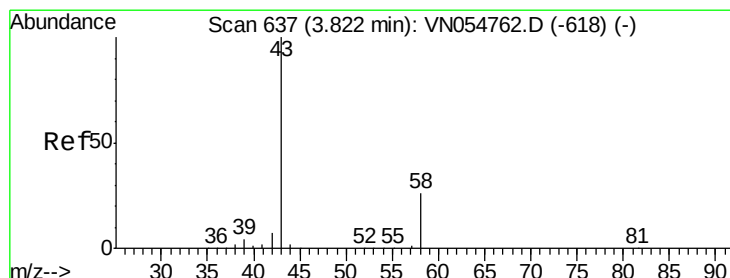
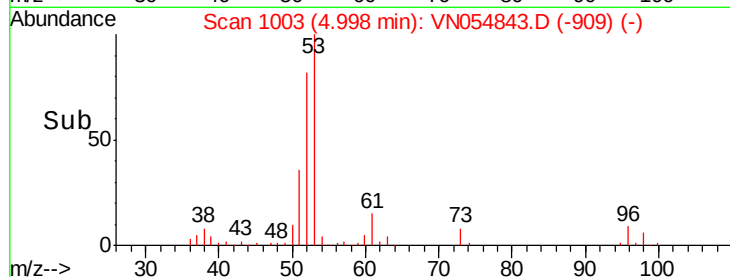
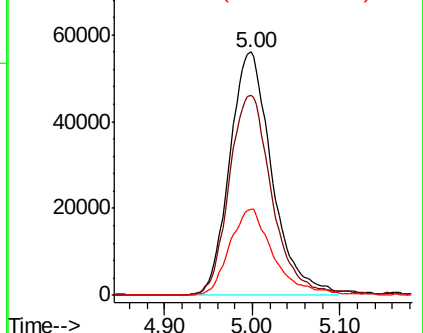
51 35.9 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 141.022 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054843.D

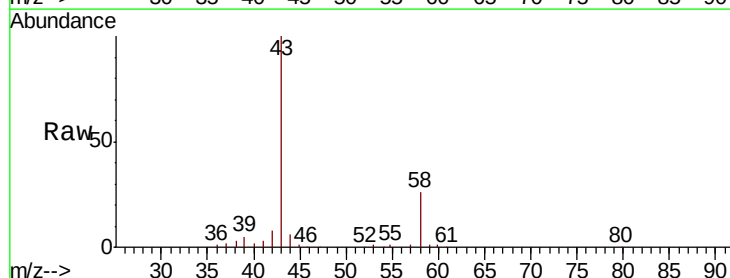
Acq: 31 Mar 2019 11:59

Tgt Ion: 43 Resp: 193792

Ion Ratio Lower Upper

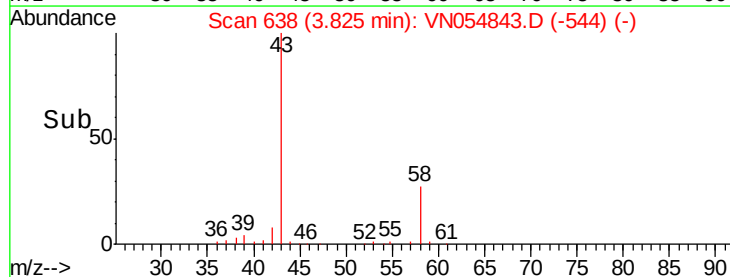
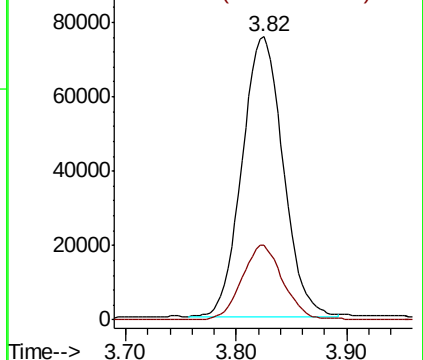
43 100

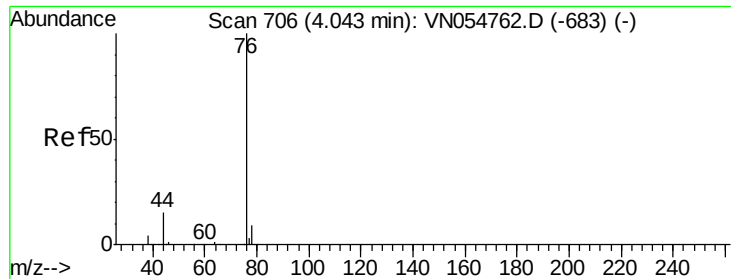
58 26.5 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

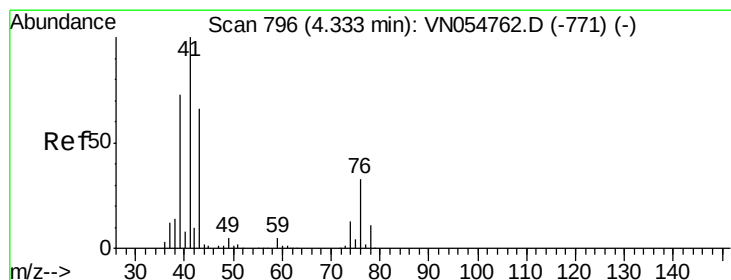
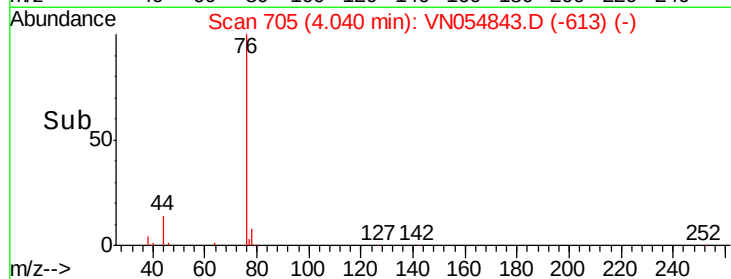
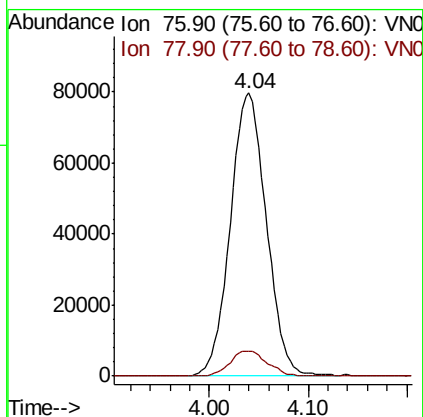
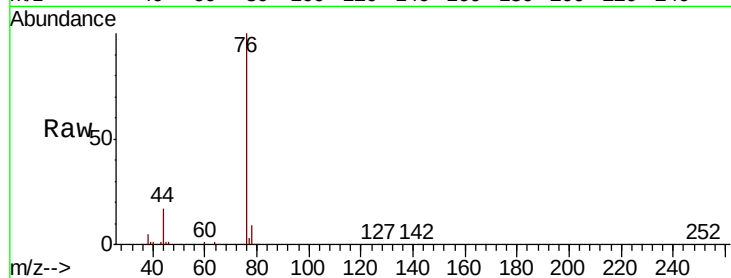




#17
Carbon Disulfide
Concen: 18.578 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

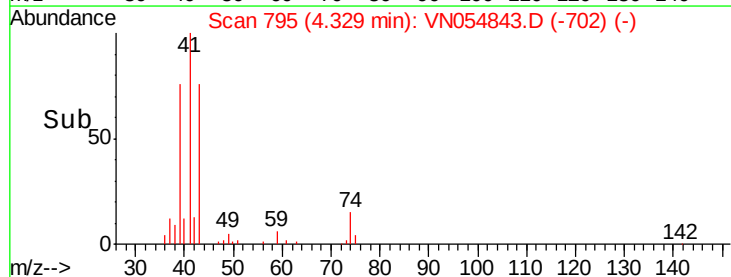
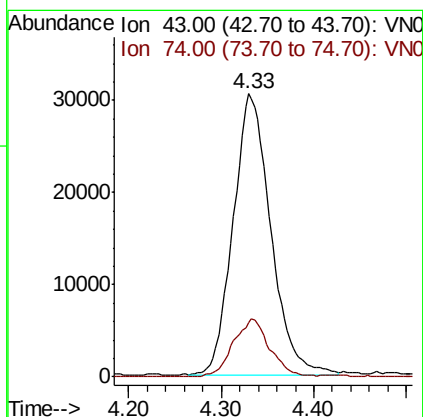
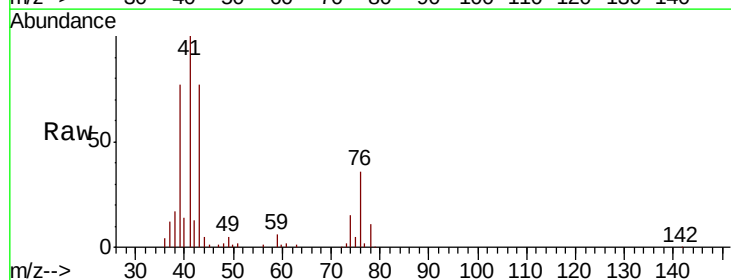
Instrument :
MSVOA_N
ClientSampleId :

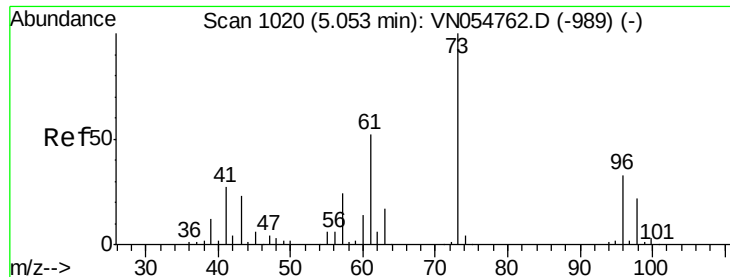
Tot Ion: 76 Resp: 202484
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3



#18
Methyl Acetate
Concen: 23.435 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion: 43 Resp: 85630
Ion Ratio Lower Upper
43 100
74 20.1 20.8 31.2#

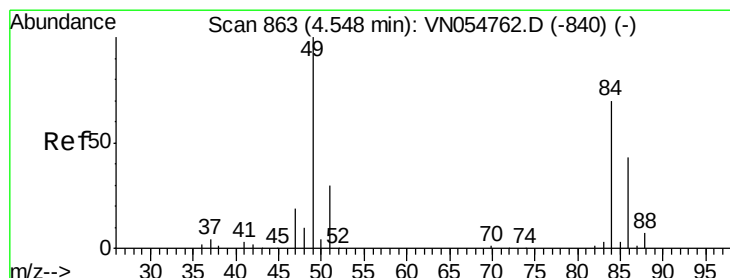
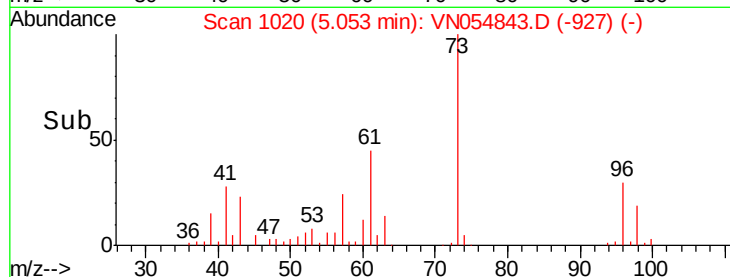
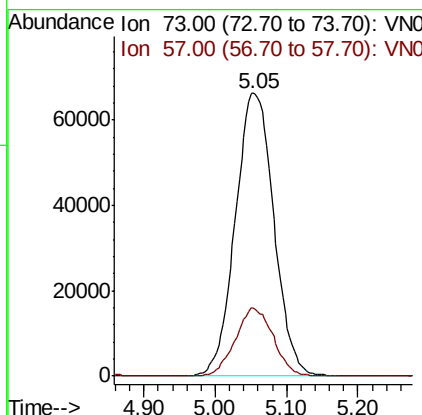
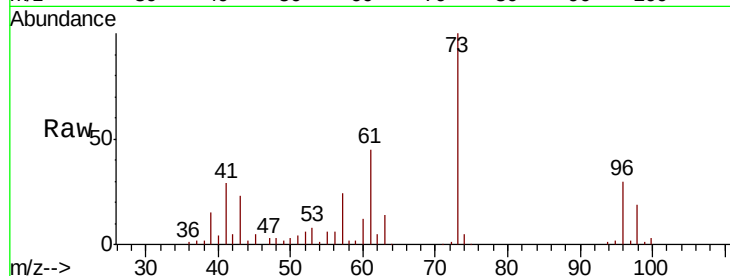




#19
Methyl tert-butyl Ether
Concen: 21.204 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

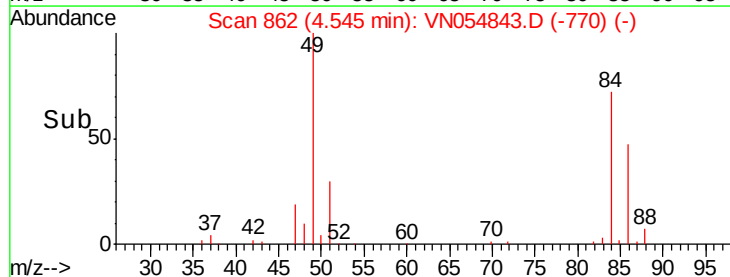
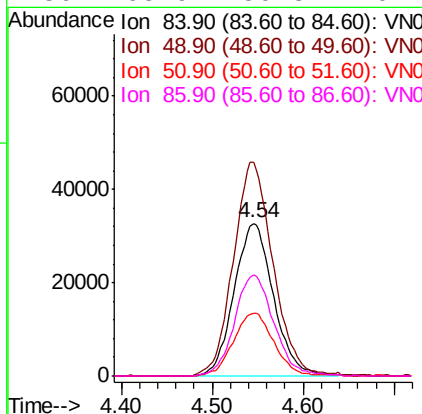
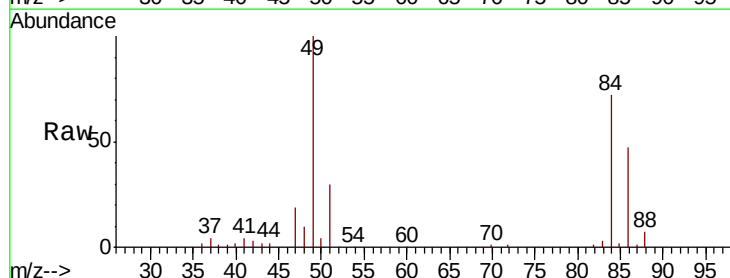
Instrument :
MSVOA_N
ClientSampled :

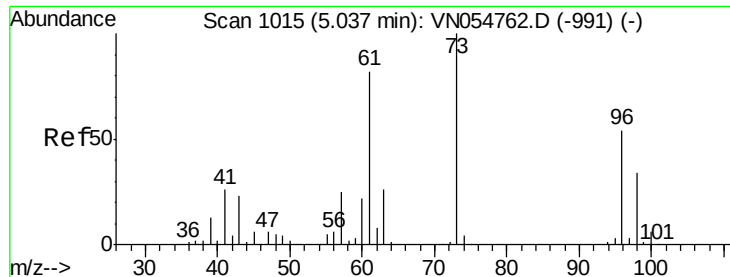
Tot Ion: 73 Resp: 249243
Ion Ratio Lower Upper
73 100
57 24.3 16.8 25.2



#20
Methylene Chloride
Concen: 20.234 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion: 84 Resp: 98079
Ion Ratio Lower Upper
84 100
49 139.7 89.7 134.5#
51 41.5 28.2 42.4
86 65.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.781 ug/l

RT: 5.04 min Scan# 1015

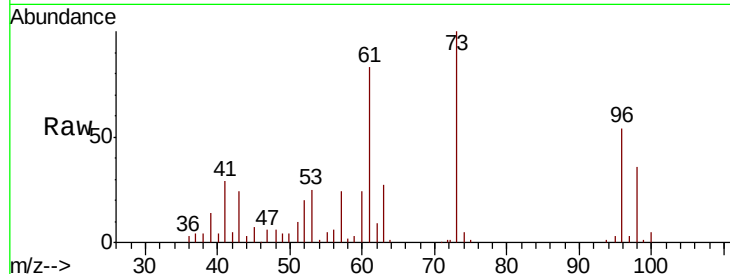
Delta R.T. -0.00 min

Lab File: VN054843.D

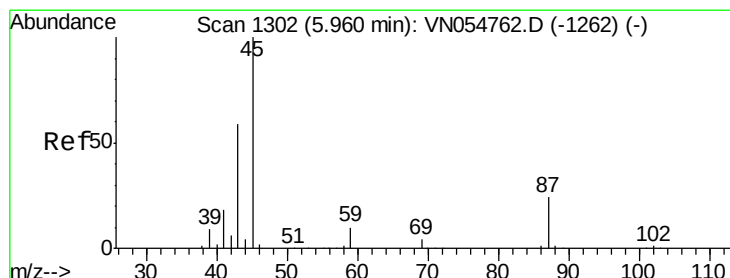
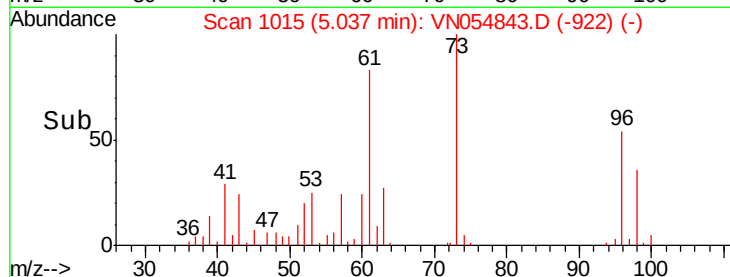
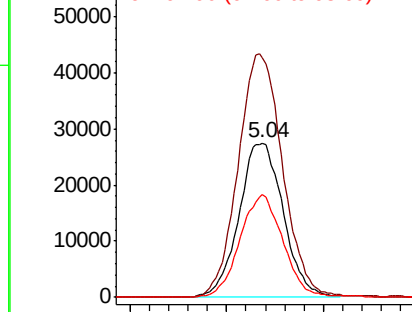
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 87307
Ion Ratio Lower Upper
96 100
61 155.1 102.8 154.2#
98 66.3 50.0 75.0



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



#22

Diisopropyl ether

Concen: 20.842 ug/l

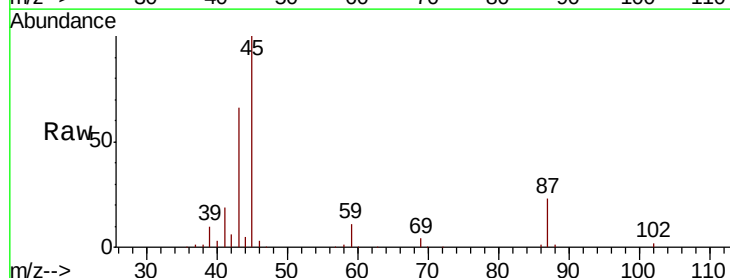
RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

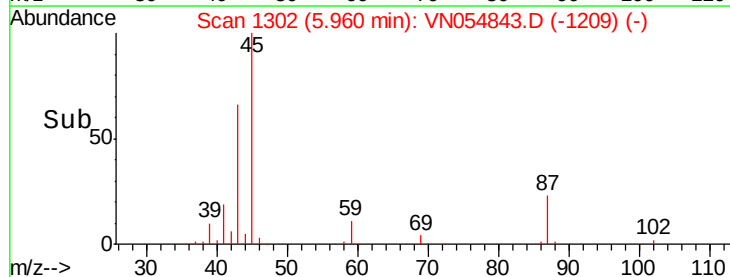
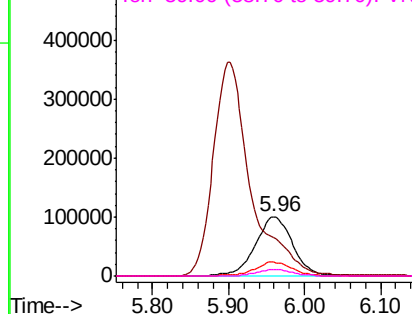
Lab File: VN054843.D

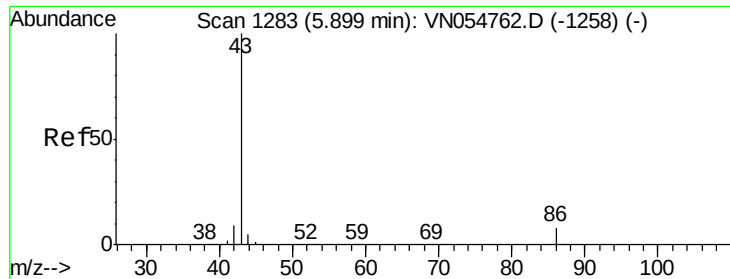
Acq: 31 Mar 2019 11:59

Tgt Ion: 45 Resp: 341193
Ion Ratio Lower Upper
45 100
43 63.3 48.2 72.2
87 22.9 24.9 37.3#
59 10.4 9.5 14.3



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

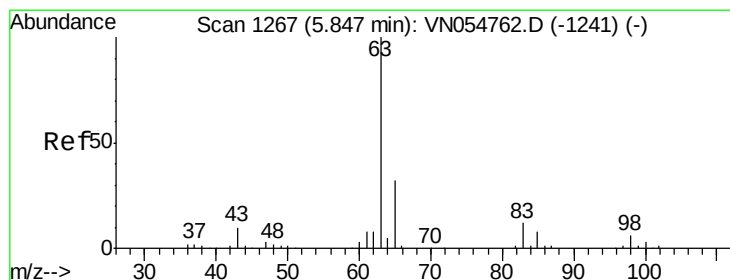
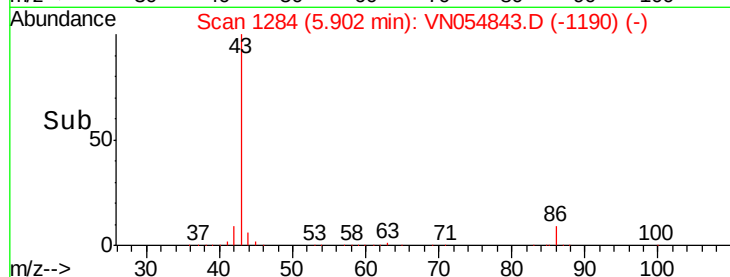
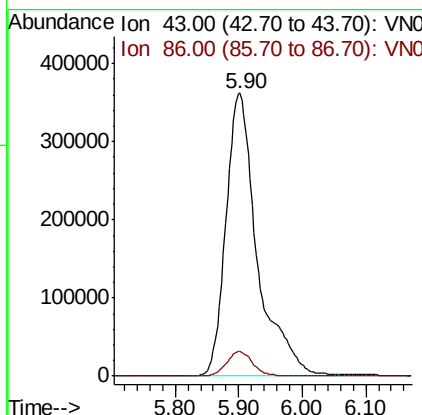
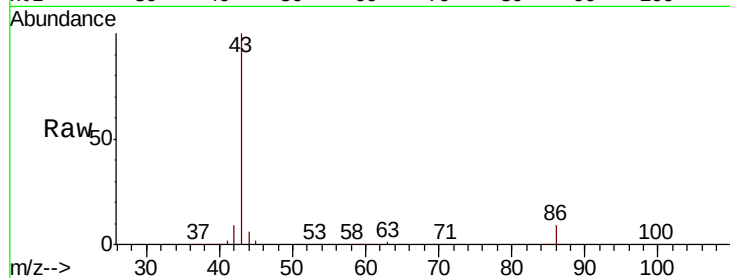




#23
 Vinyl Acetate
 Concen: 109.069 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

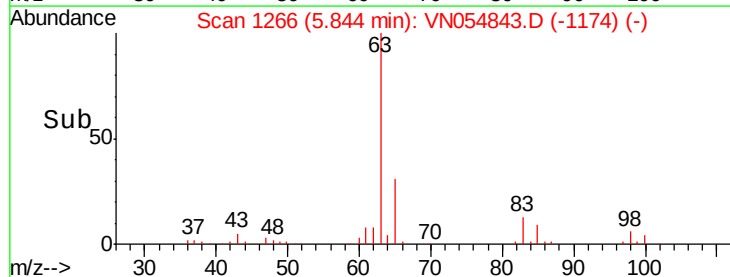
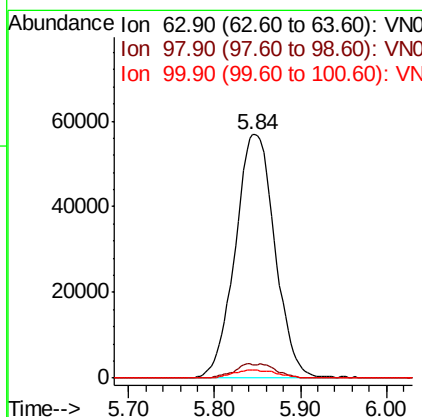
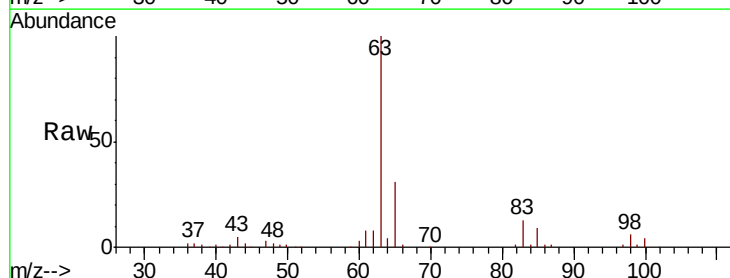
Instrument :
 MSVOA_N
 ClientSampled :

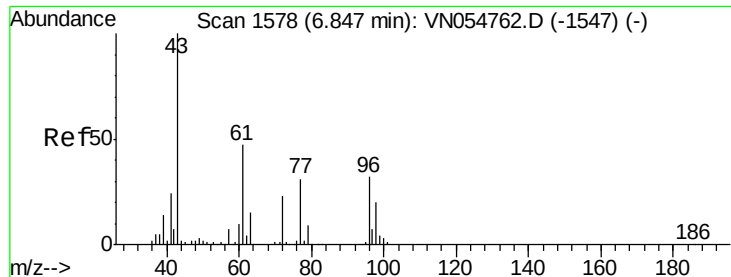
Tot Ion: 43 Resp: 1242538
 Ion Ratio Lower Upper
 43 100
 86 8.8 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 20.856 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion: 63 Resp: 182127
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.5 10.5
 100 3.5 2.0 6.0





#25

2-Butanone

Concen: 127.727 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

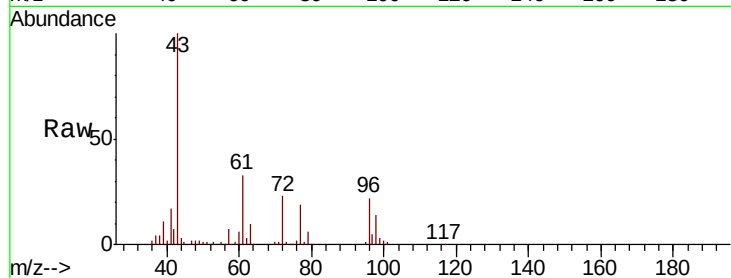
ClientSampleId :

Tot Ion: 43 Resp: 259454

Ion Ratio Lower Upper

43 100

72 23.0 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

100000

80000

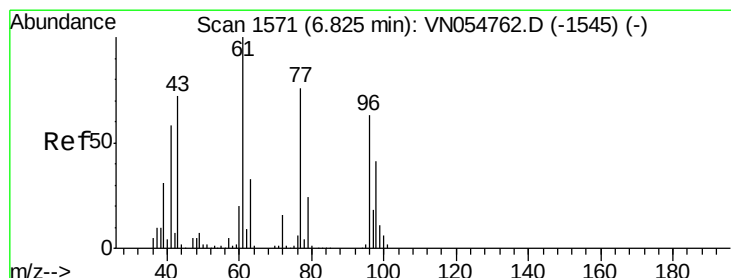
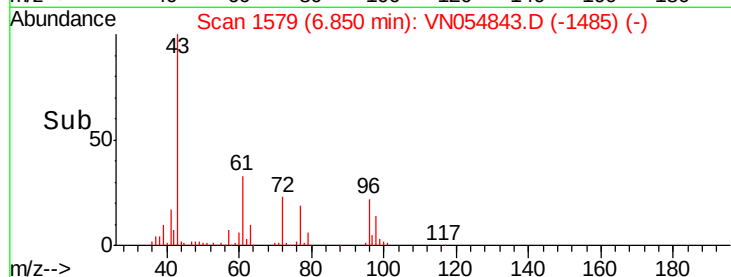
60000

40000

20000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 20.642 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054843.D

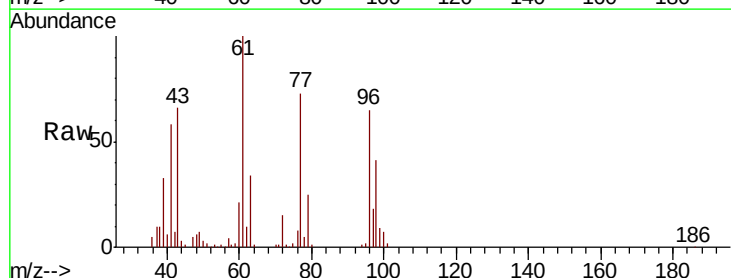
Acq: 31 Mar 2019 11:59

Tgt Ion: 77 Resp: 126341

Ion Ratio Lower Upper

77 100

97 22.7 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

40000

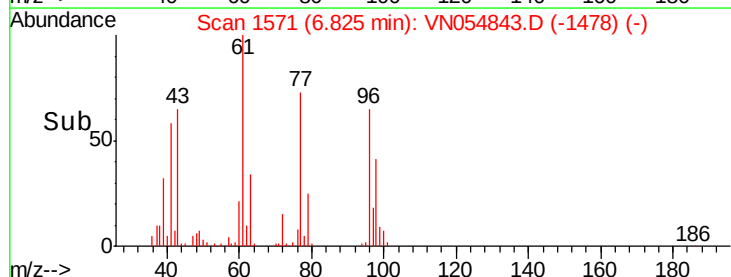
30000

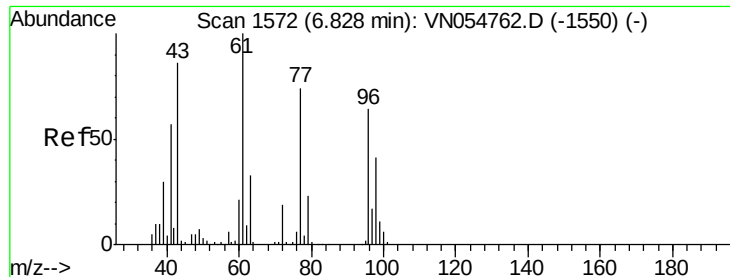
20000

10000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 20.609 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :

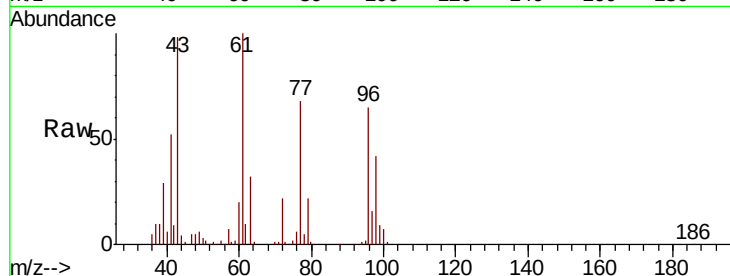
Tot Ion: 96 Resp: 102756

Ion Ratio Lower Upper

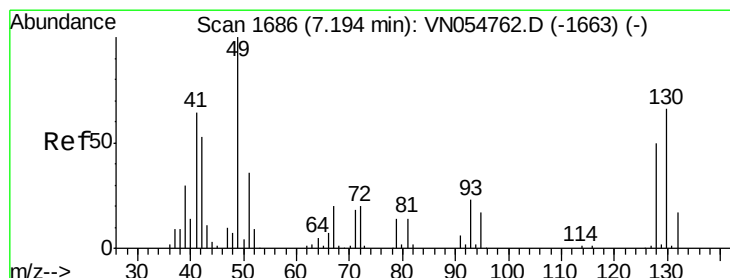
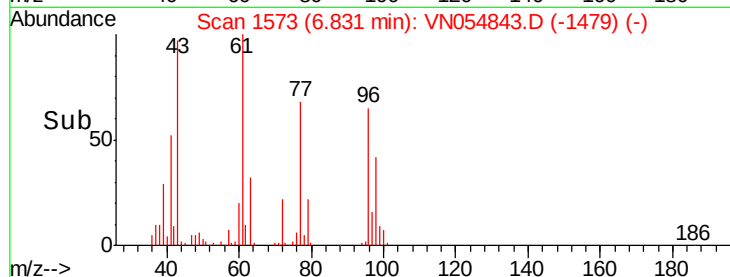
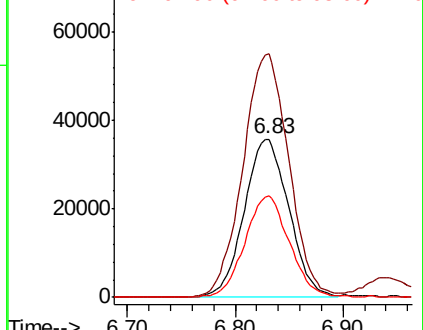
96 100

61 158.8 0.0 273.0

98 63.7 0.0 130.6



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



#28

Bromochloromethane

Concen: 21.683 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

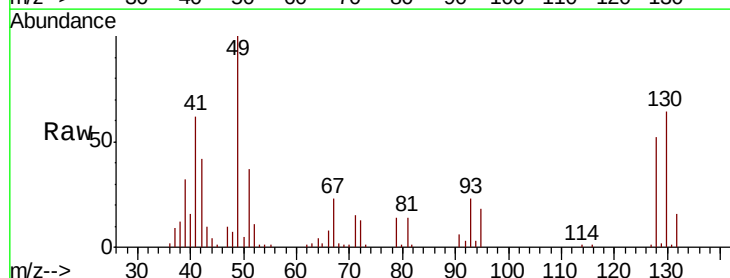
Tgt Ion: 49 Resp: 94683

Ion Ratio Lower Upper

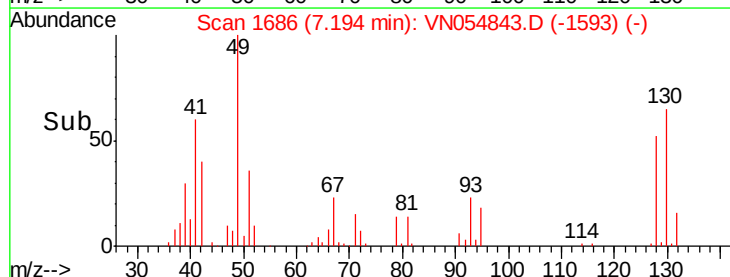
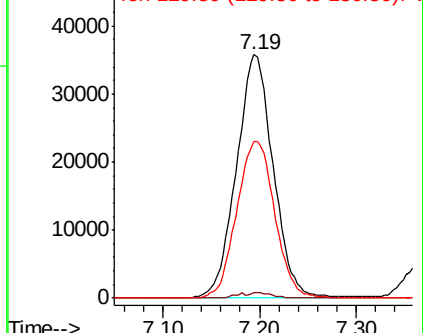
49 100

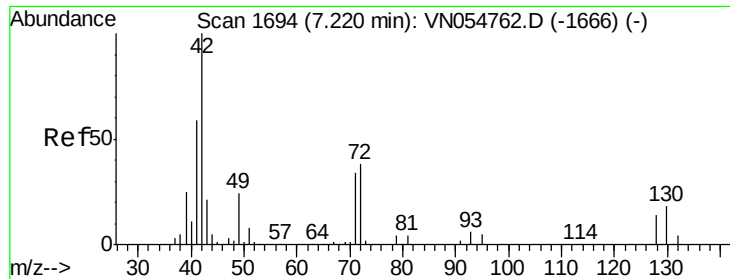
129 1.2 0.0 4.6

130 66.3 76.7 115.1#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 111.182 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :

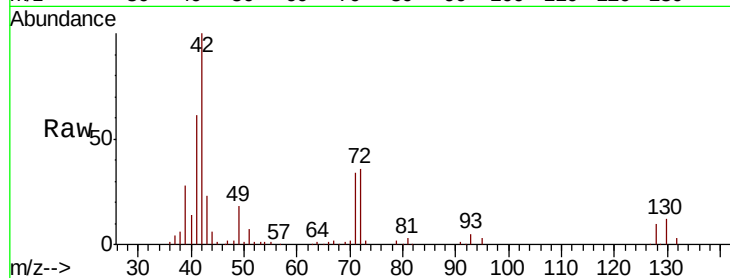
Tot Ion: 42 Resp: 156861

Ion Ratio Lower Upper

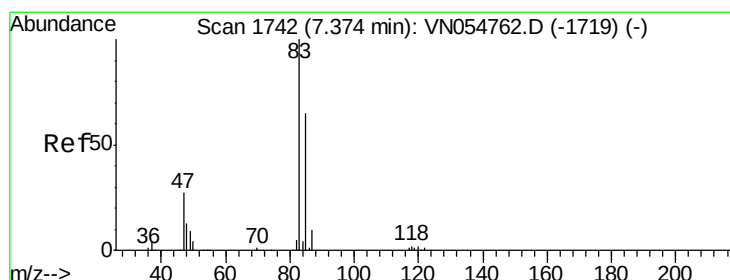
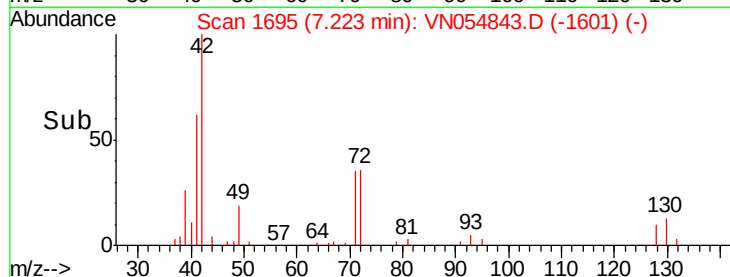
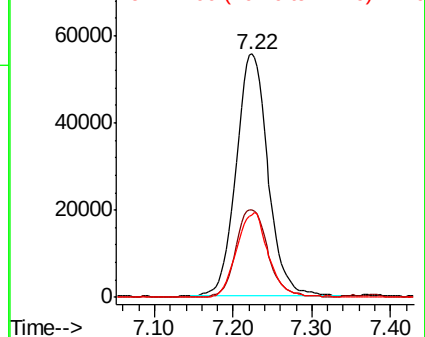
42 100

72 36.7 37.8 56.6#

71 35.1 36.2 54.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 21.106 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054843.D

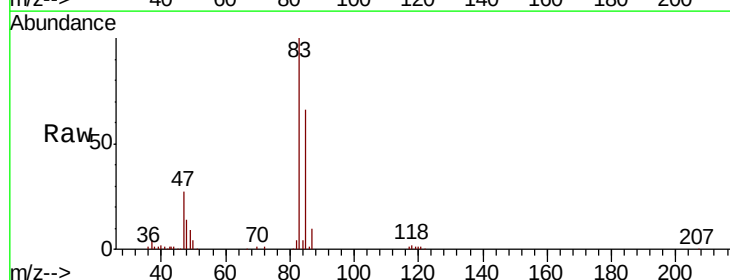
Acq: 31 Mar 2019 11:59

Tgt Ion: 83 Resp: 175746

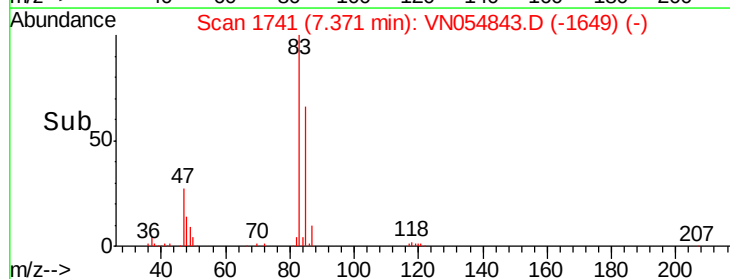
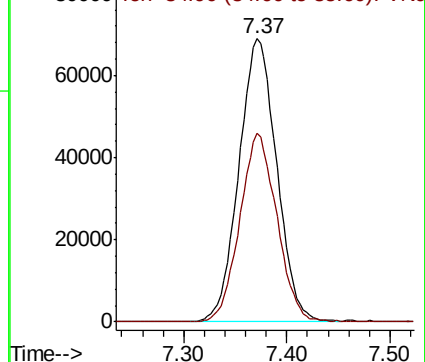
Ion Ratio Lower Upper

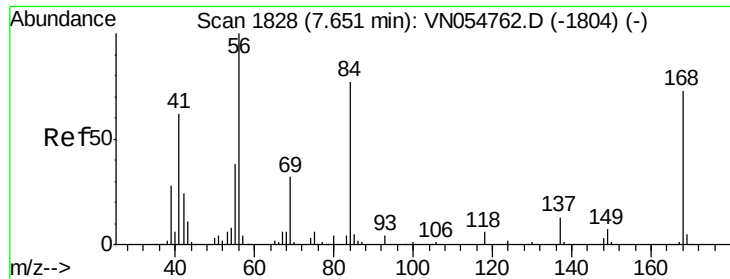
83 100

85 66.5 52.2 78.4



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

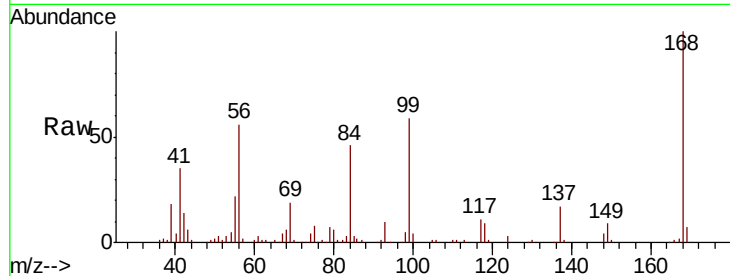




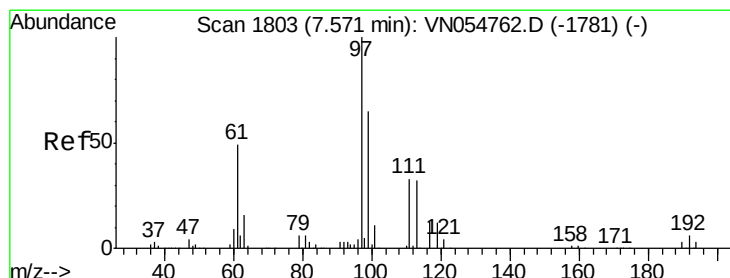
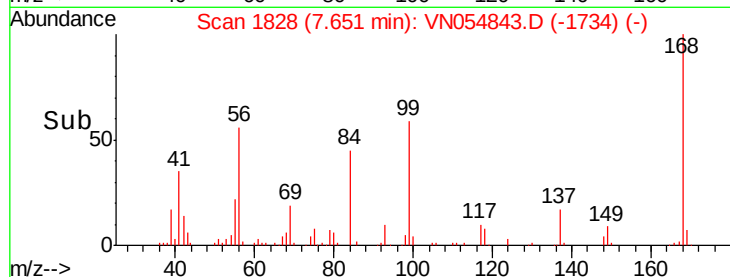
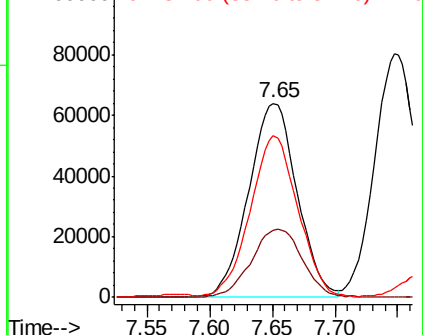
#31
Cyclohexane
Concen: 20.385 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 171914
Ion Ratio Lower Upper
56 100
69 34.7 27.8 41.6
84 81.4 74.6 111.8

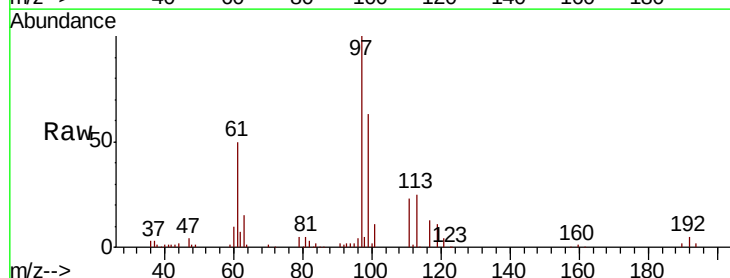


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

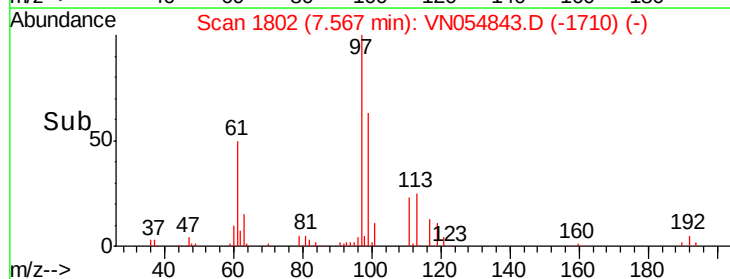
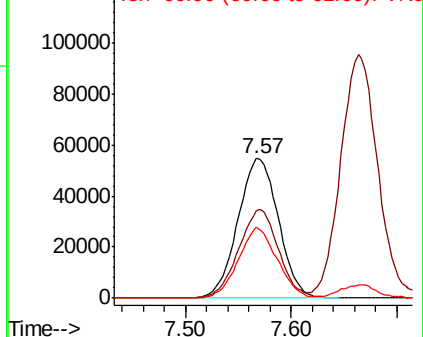


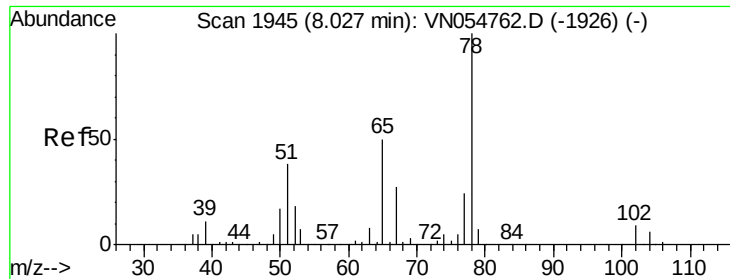
#32
1,1,1-Trichloroethane
Concen: 21.192 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion: 97 Resp: 146241
Ion Ratio Lower Upper
97 100
99 62.2 51.5 77.3
61 48.4 33.6 50.4



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

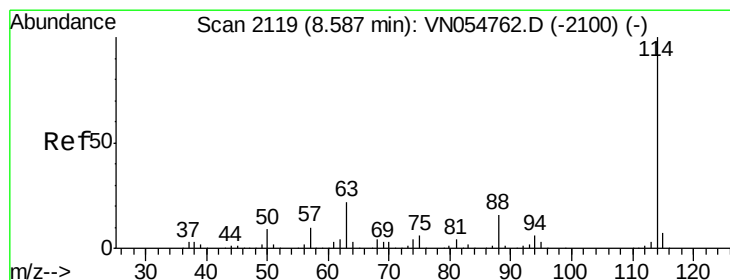
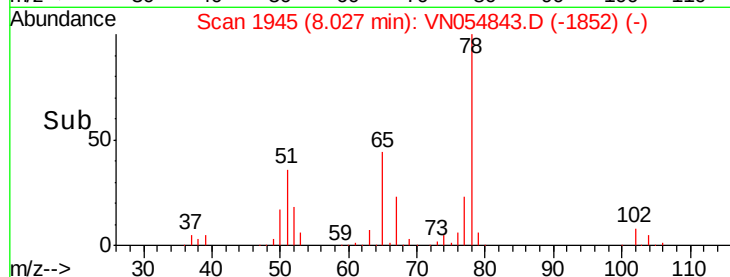
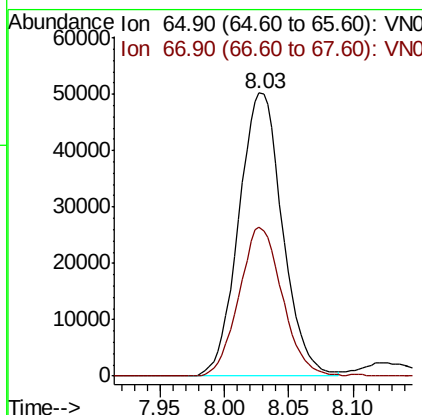
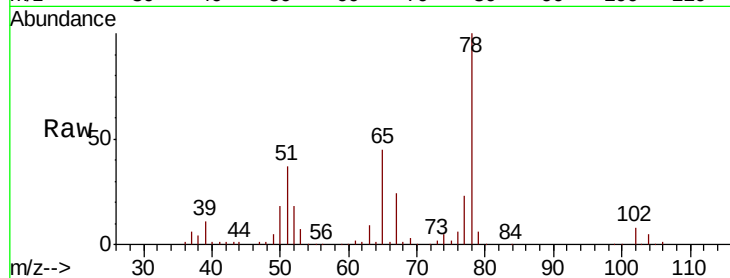




#33
 1,2-Dichloroethane-d4
 Concen: 20.574 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

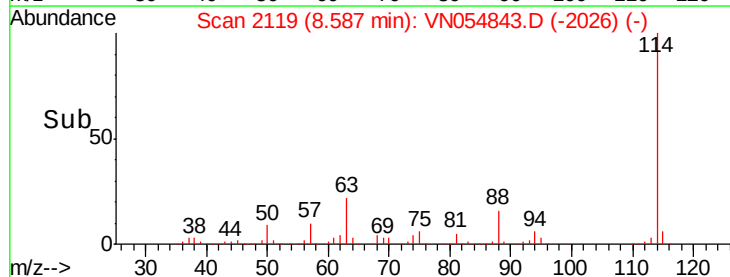
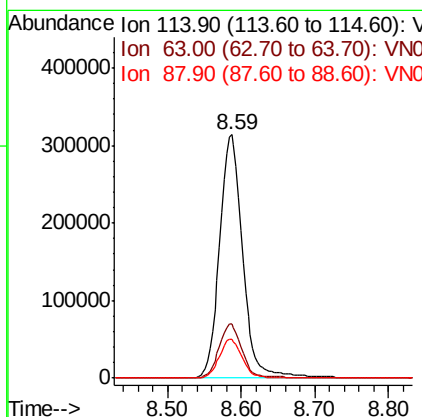
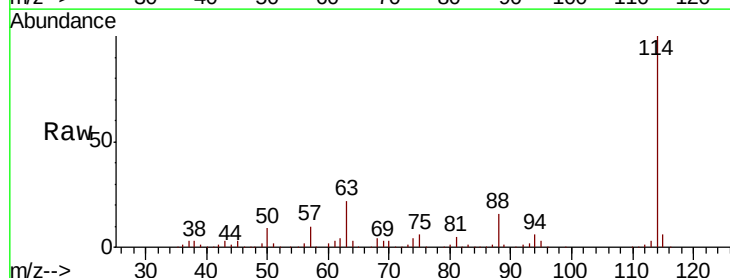
Instrument :
 MSVOA_N
 ClientSampled :

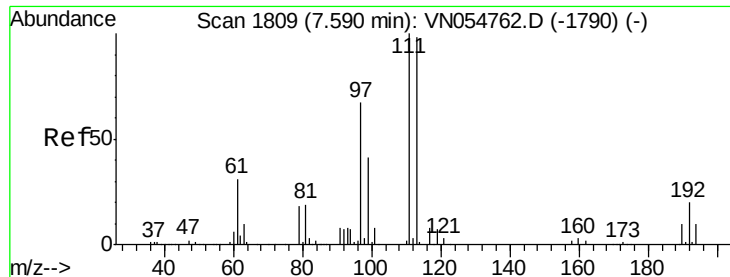
Tot Ion: 65 Resp: 118560
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion: 114 Resp: 685663
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 35.2
 88 15.9 0.0 30.2

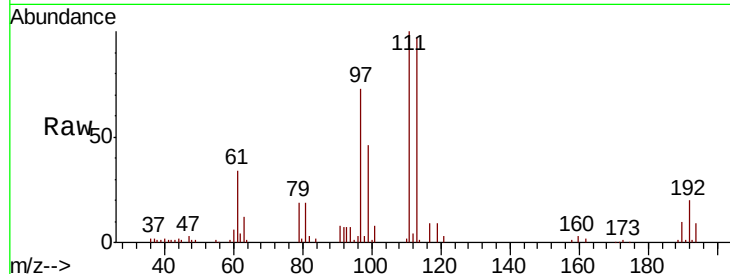




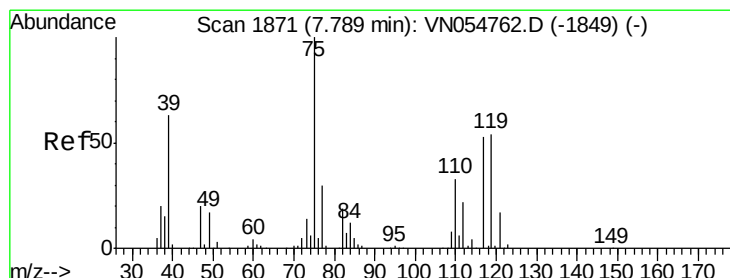
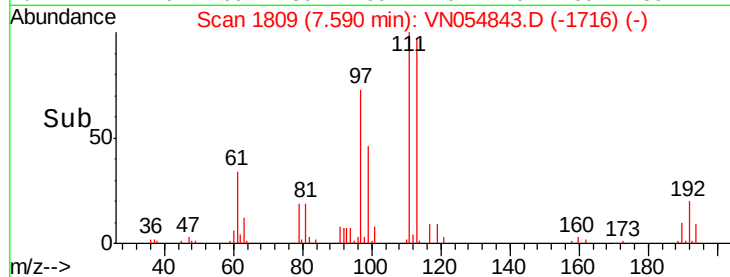
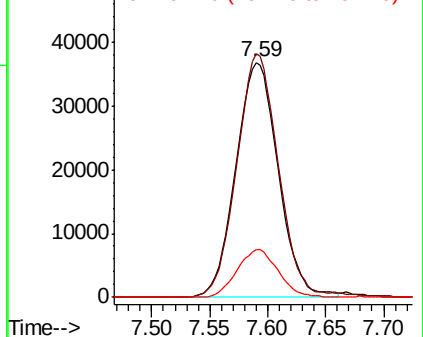
#35
 Dibromofluoromethane
 Concen: 20.503 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 93724
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.2 123.4
 192 19.7 19.2 28.8

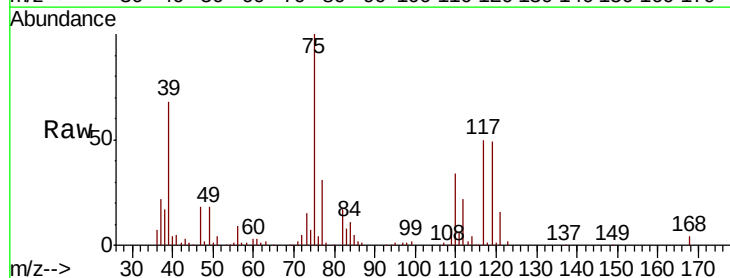


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

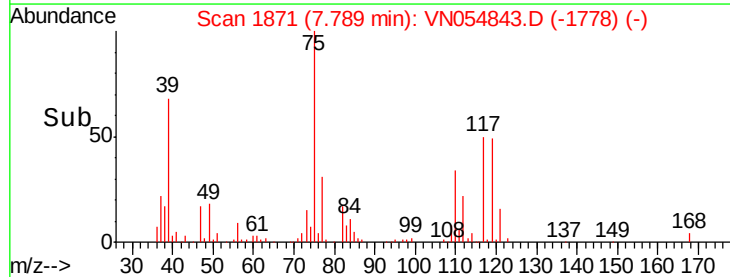
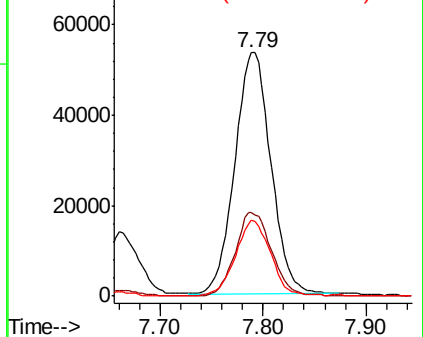


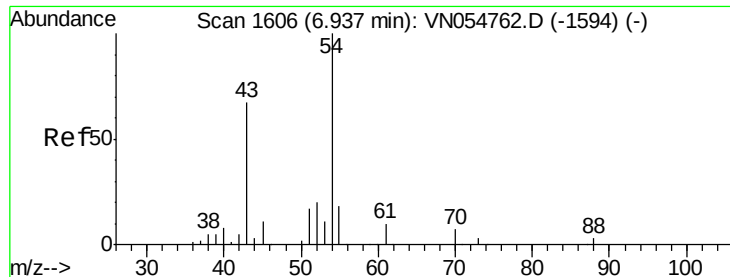
#36
 1,1-Dichloropropene
 Concen: 20.470 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion: 75 Resp: 130785
 Ion Ratio Lower Upper
 75 100
 110 34.7 19.1 57.5
 77 30.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

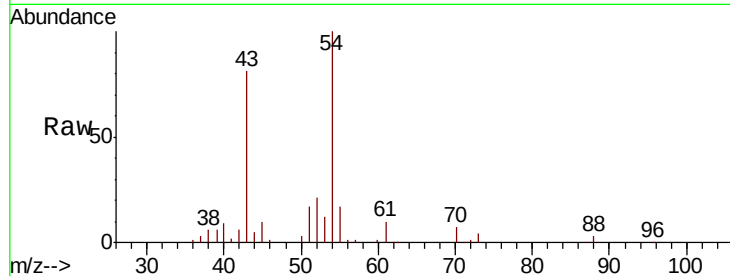




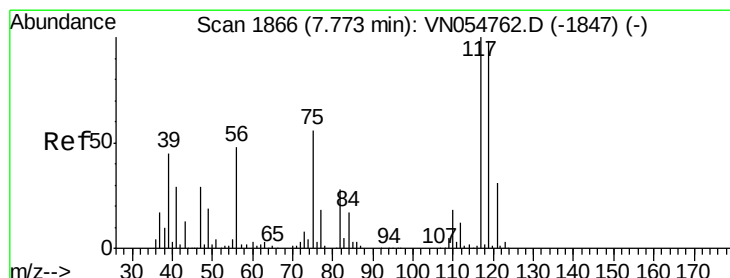
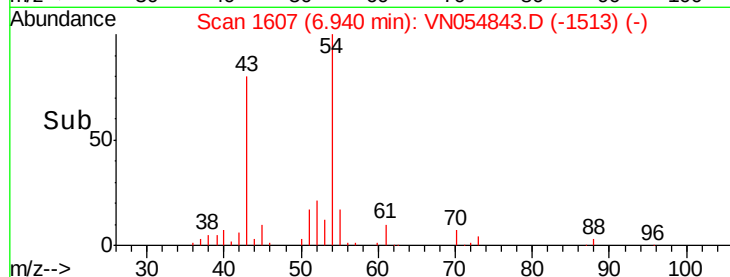
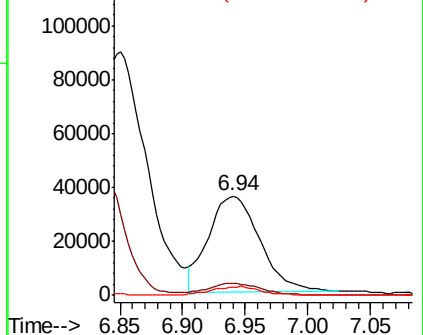
#37
Ethyl Acetate
Concen: 21.835 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 102301
Ion Ratio Lower Upper
43 100
61 12.2 11.8 17.6
70 8.9 8.4 12.6

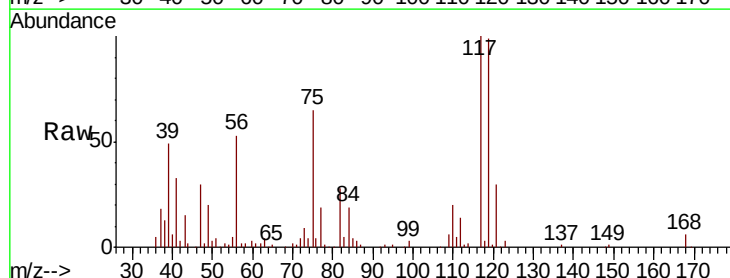


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

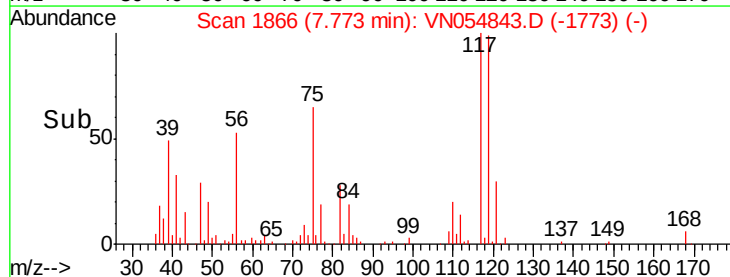
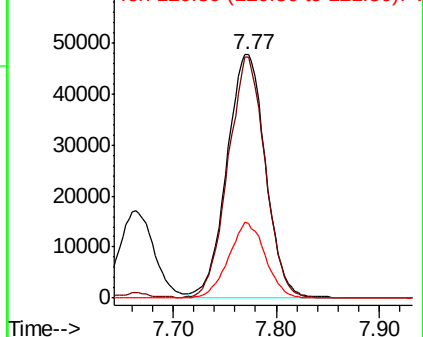


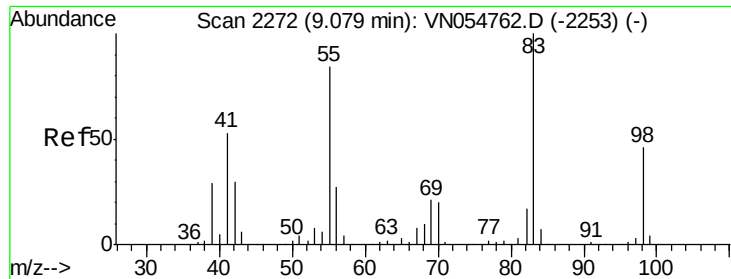
#38
Carbon Tetrachloride
Concen: 20.068 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion: 117 Resp: 124533
Ion Ratio Lower Upper
117 100
119 98.8 76.3 114.5
121 30.4 24.6 36.8



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

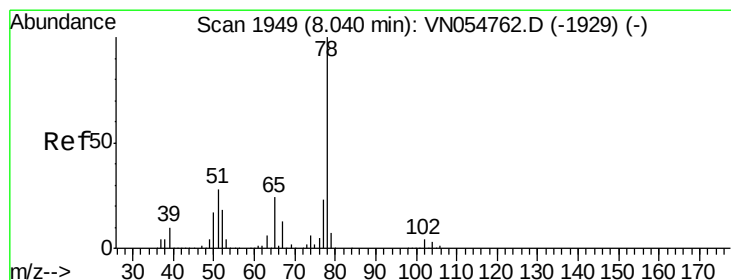
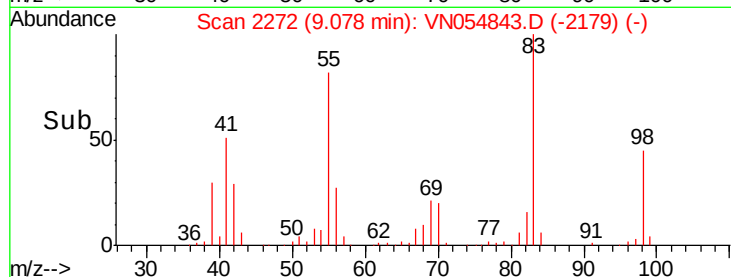
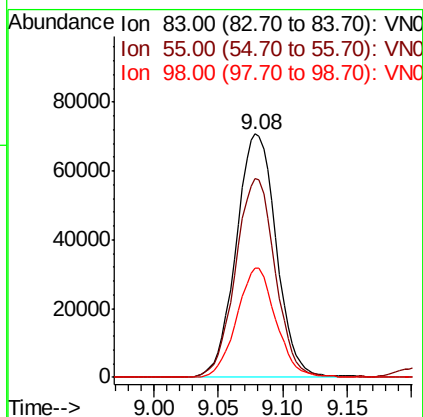
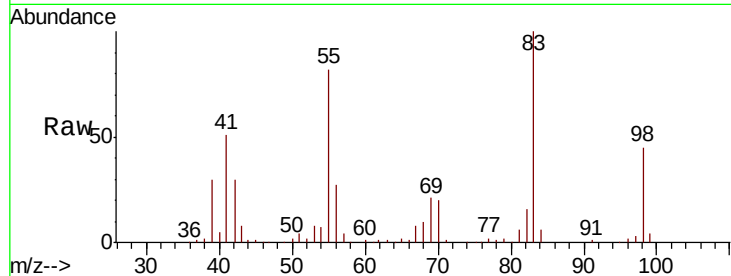




#39
Methylvlcyclohexane
Concen: 21.785 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

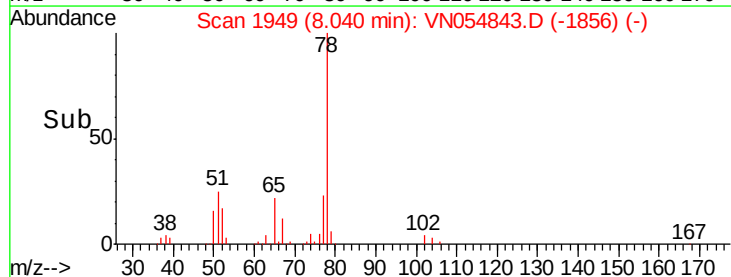
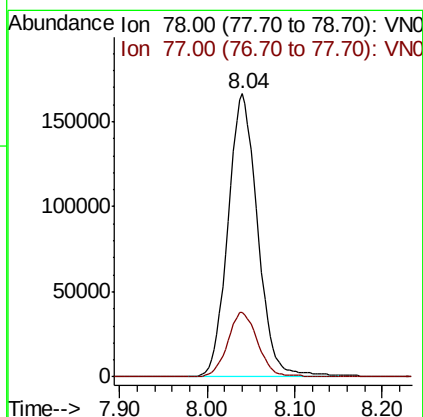
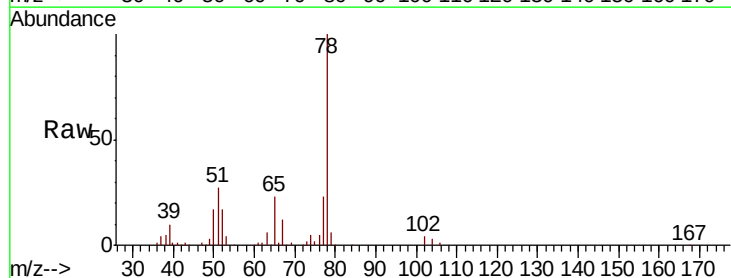
Instrument :
MSVOA_N
ClientSampled :

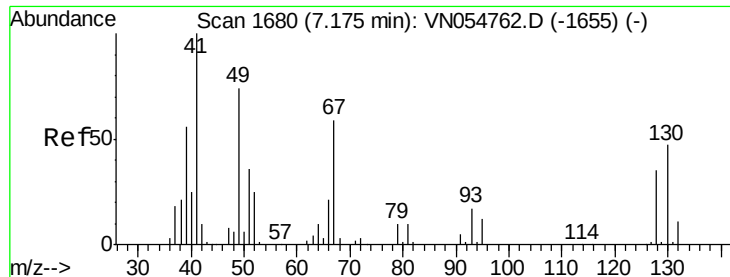
Tot Ion: 83 Resp: 153020
Ion Ratio Lower Upper
83 100
55 81.5 56.6 84.8
98 44.8 38.4 57.6



#40
Benzene
Concen: 21.446 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion: 78 Resp: 392059
Ion Ratio Lower Upper
78 100
77 22.8 19.1 28.7

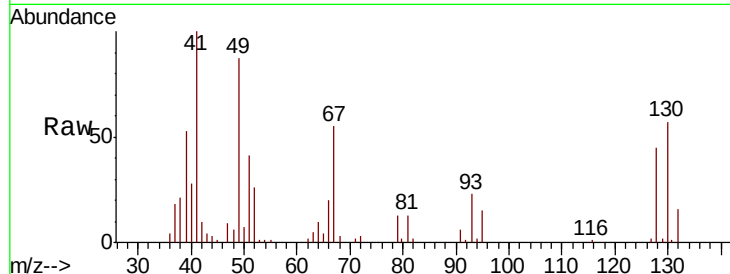




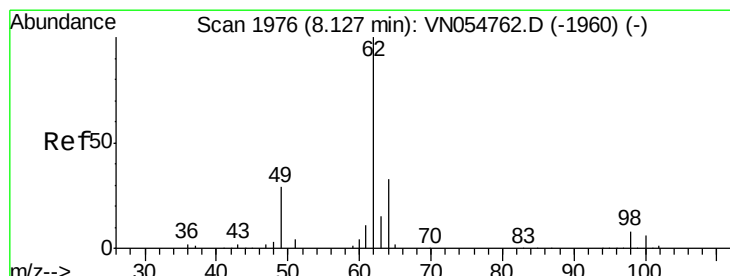
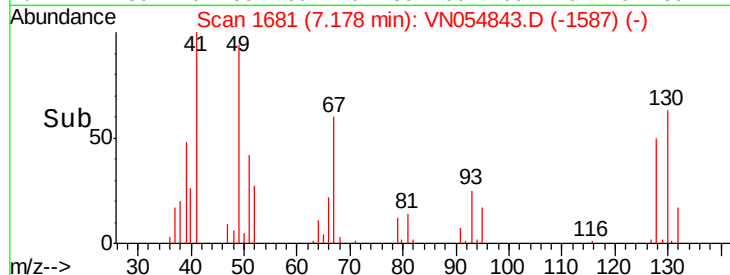
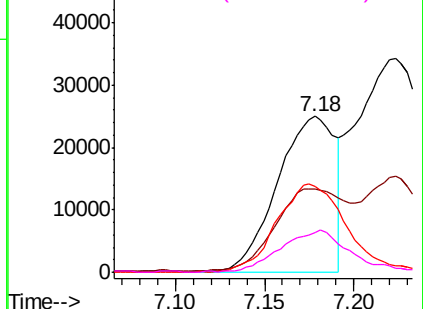
#41
Methacrylonitrile
Concen: 21.404 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	56335
Ion	Ratio	Lower	Upper
41	100		
39	65.6	46.8	70.2
67	68.0	67.0	100.4
52	32.7	26.5	39.7

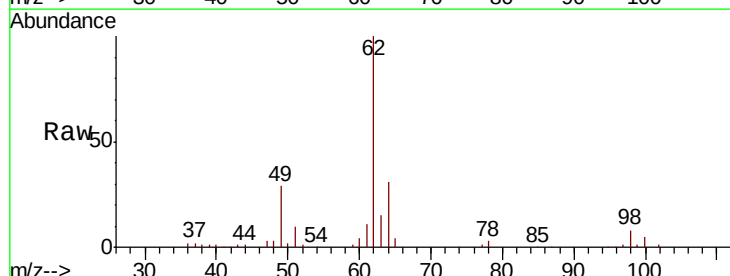


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

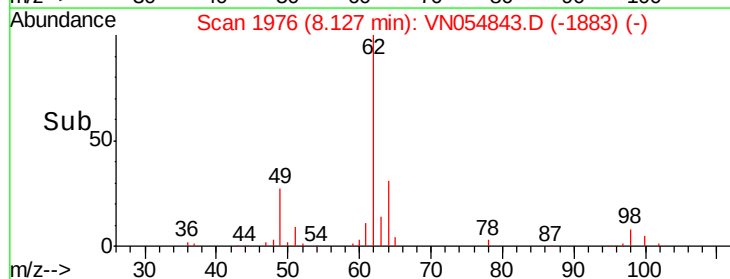
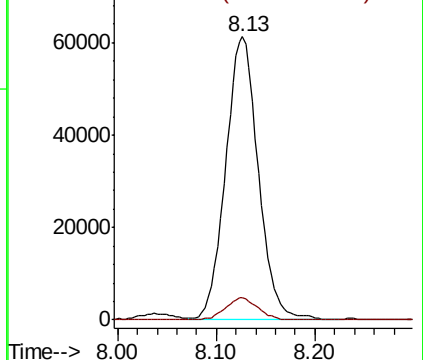


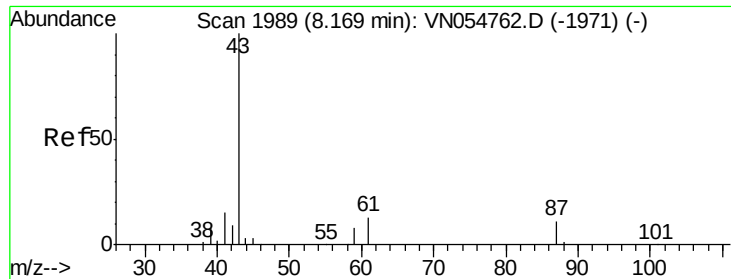
#42
1,2-Dichloroethane
Concen: 21.741 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion:	62	Resp:	141916
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 22.890 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

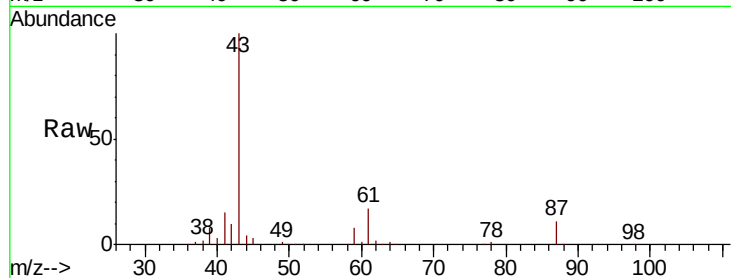
Tot Ion: 43 Resp: 174256

Ion Ratio Lower Upper

43 100

61 16.7 15.8 23.8

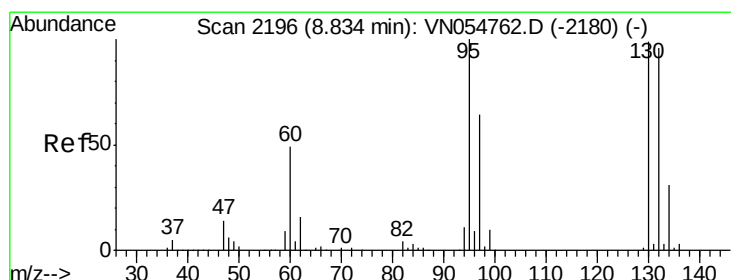
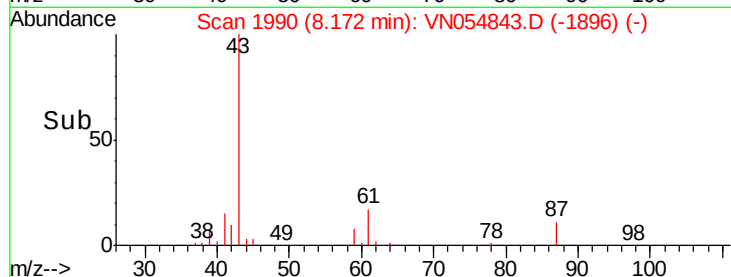
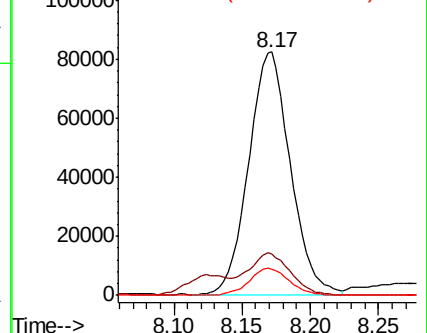
87 10.9 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054762.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054762.D (-1971) (-)



#44

Trichloroethene

Concen: 20.509 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054843.D

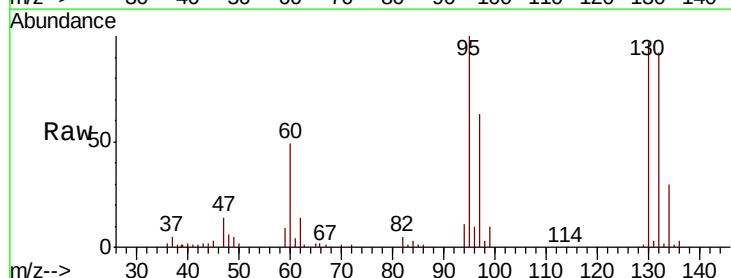
Acq: 31 Mar 2019 11:59

Tgt Ion:130 Resp: 97328

Ion Ratio Lower Upper

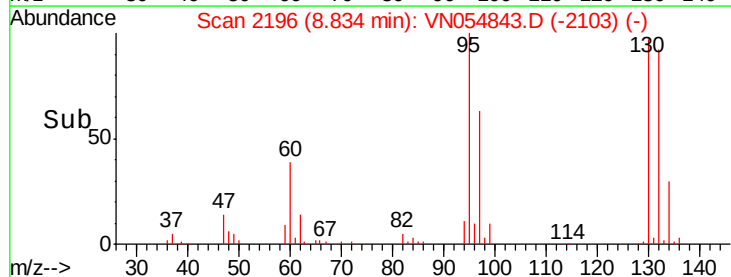
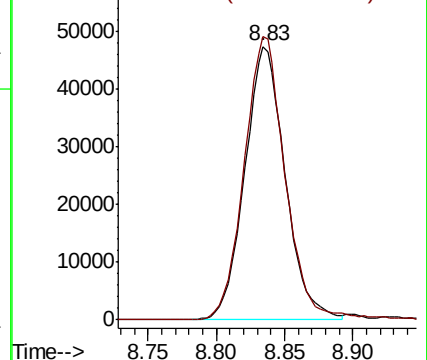
130 100

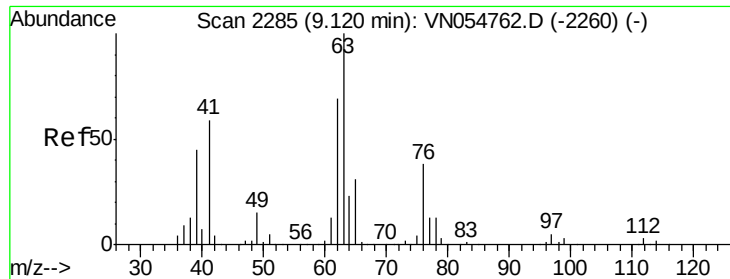
95 103.5 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054762.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN054762.D (-2180) (-)

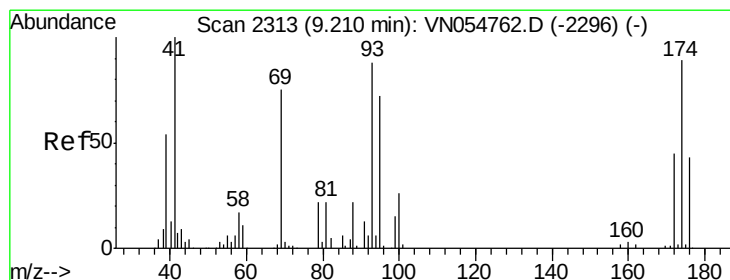
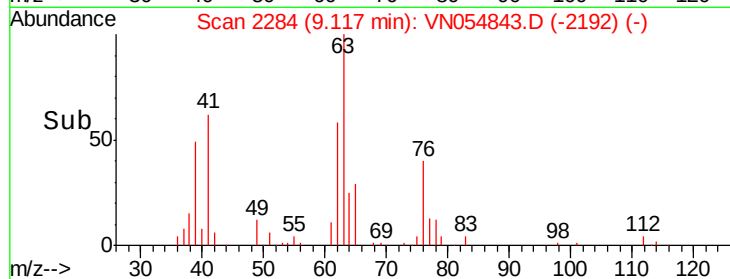
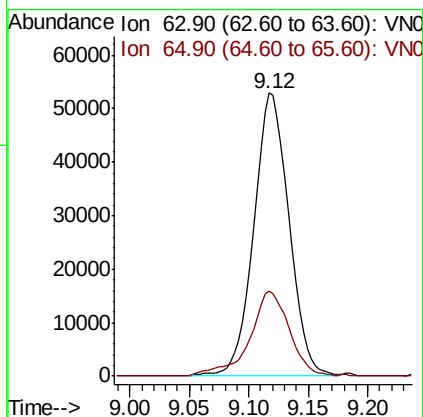
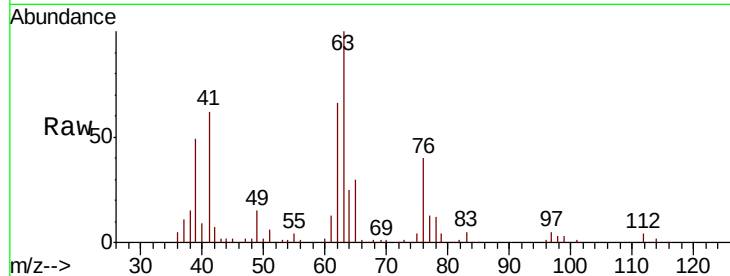




#45
 1,2-Dichloropropane
 Concen: 20.852 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

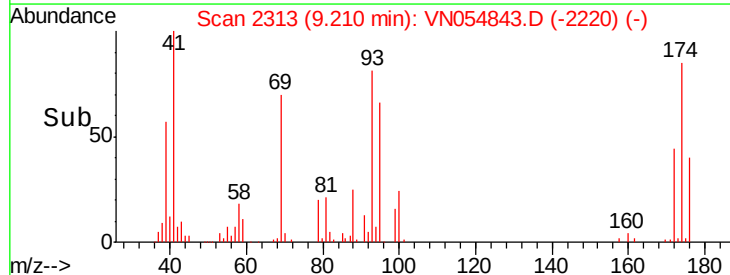
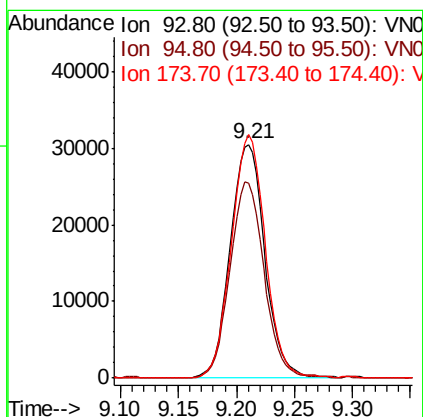
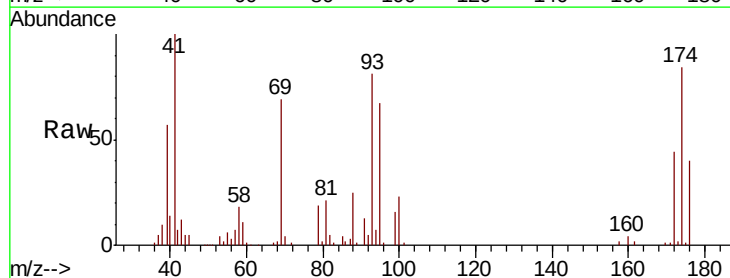
Instrument :
 MSVOA_N
 ClientSampleId :

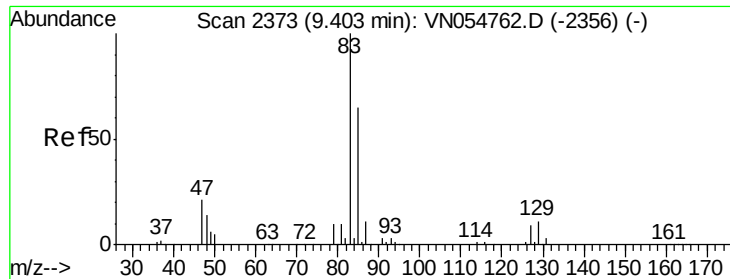
Tot Ion: 63 Resp: 108695
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.0 37.6



#46
 Dibromomethane
 Concen: 21.508 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion: 93 Resp: 63070
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.7 100.1
 174 102.2 98.5 147.7

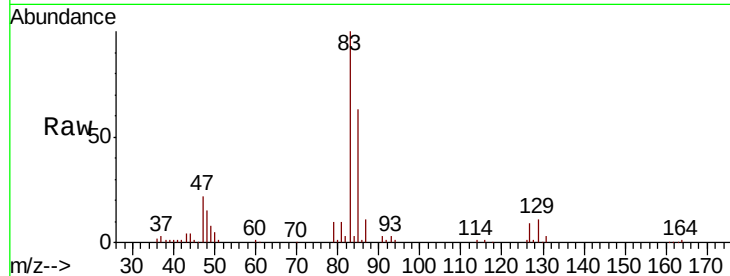




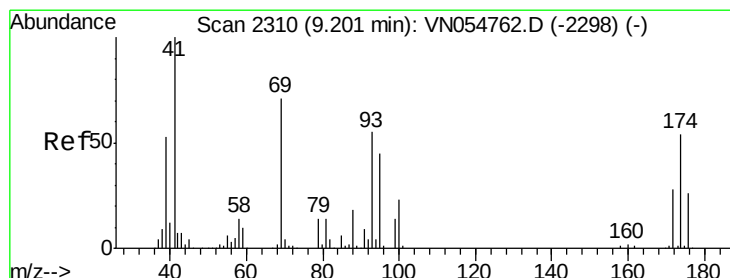
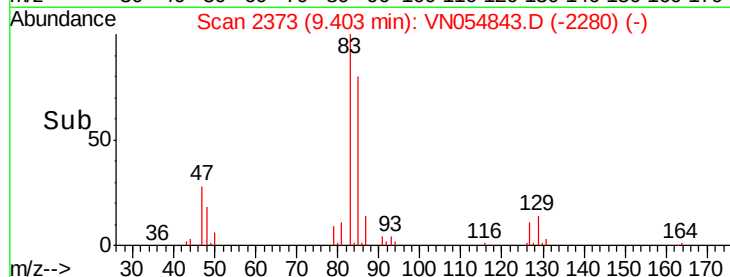
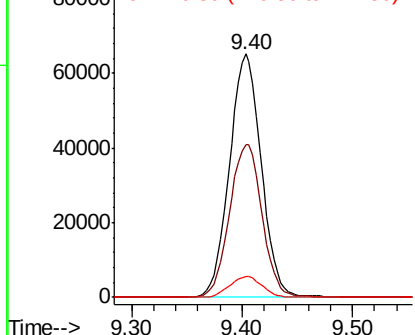
#47
Bromodichloromethane
Concen: 21.372 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 130247
Ion Ratio Lower Upper
83 100
85 62.6 52.8 79.2
127 8.7 7.4 11.2

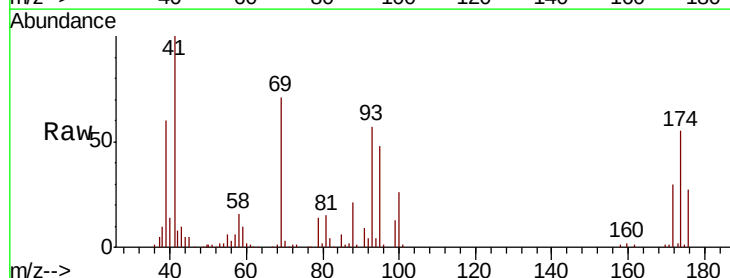


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

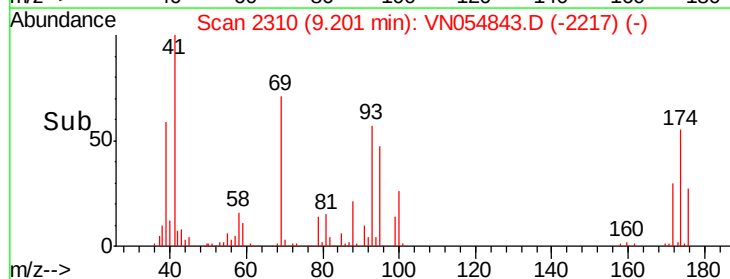
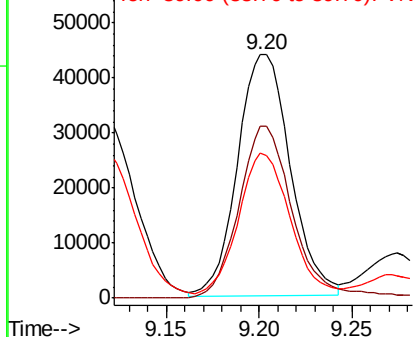


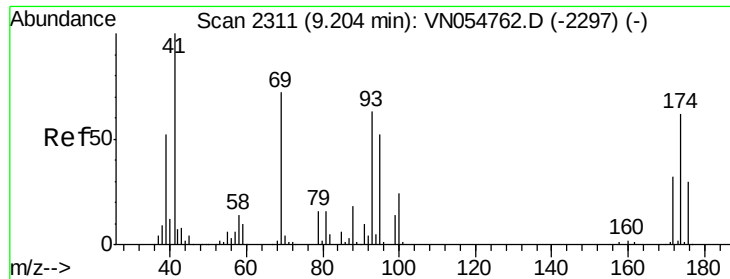
#48
Methyl methacrylate
Concen: 21.183 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion: 41 Resp: 87418
Ion Ratio Lower Upper
41 100
69 72.8 72.6 108.8
39 57.3 47.5 71.3



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

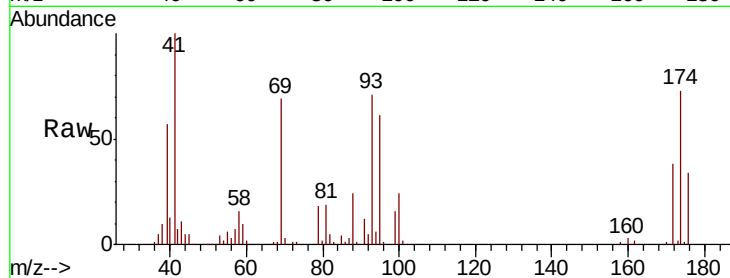




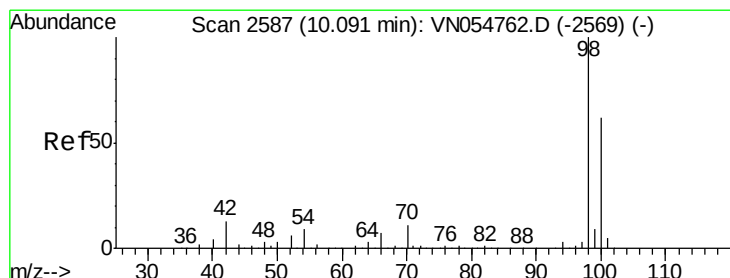
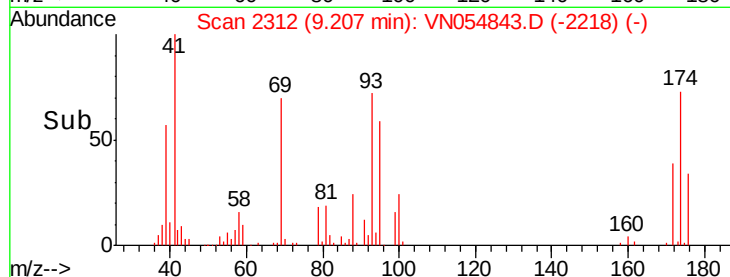
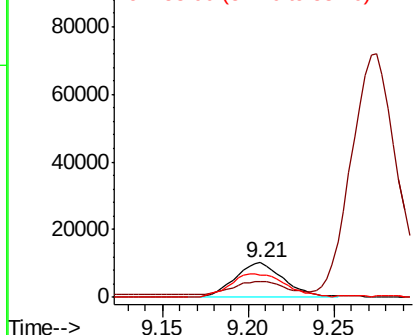
#49
1,4-Dioxane
Concen: 491.836 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 20139
Ion Ratio Lower Upper
88 100
43 35.8 24.1 36.1
58 77.3 50.8 76.2#

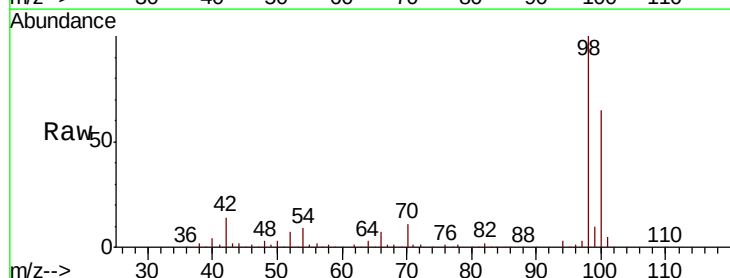


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

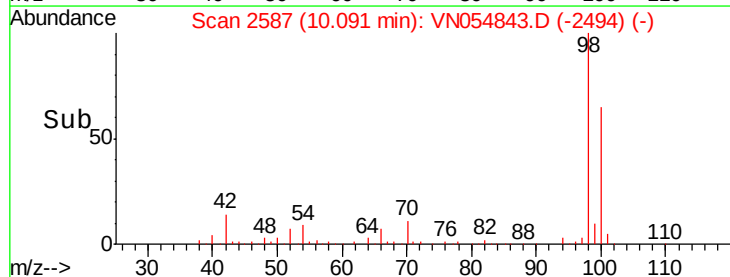
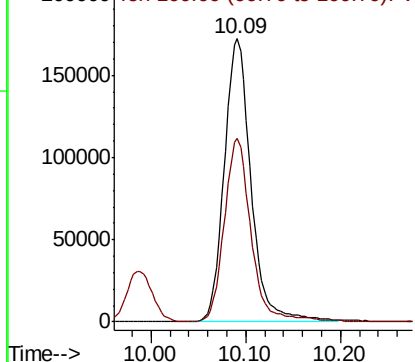


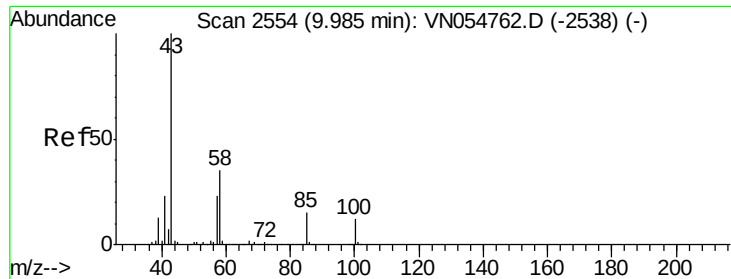
#50
Toluene-d8
Concen: 20.000 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion: 98 Resp: 339907
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 117.387 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

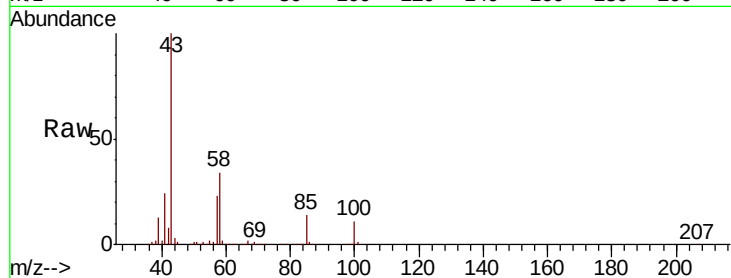
ClientSampled :

Tot Ion: 43 Resp: 502432

Ion Ratio Lower Upper

43 100

58 34.5 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

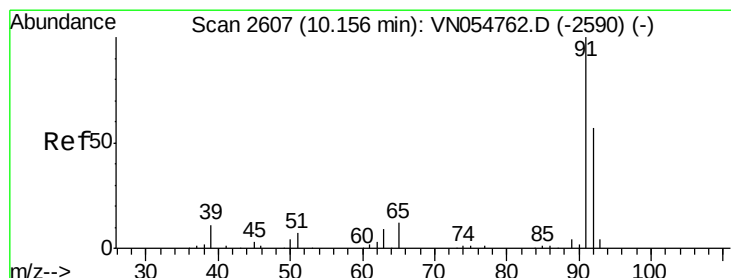
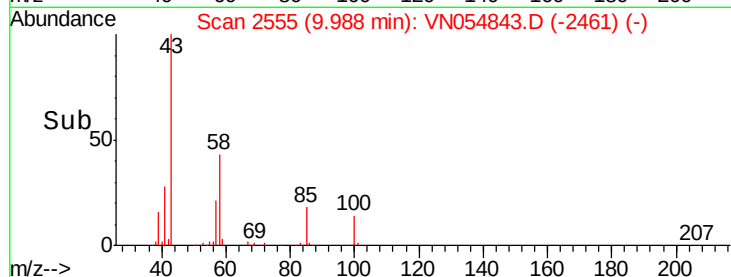
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.416 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054843.D

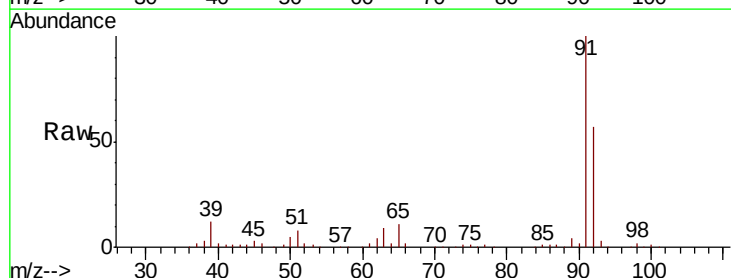
Acq: 31 Mar 2019 11:59

Tgt Ion: 92 Resp: 232971

Ion Ratio Lower Upper

92 100

91 174.7 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

250000

200000

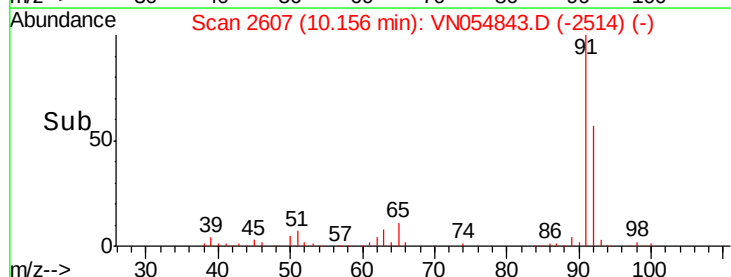
150000

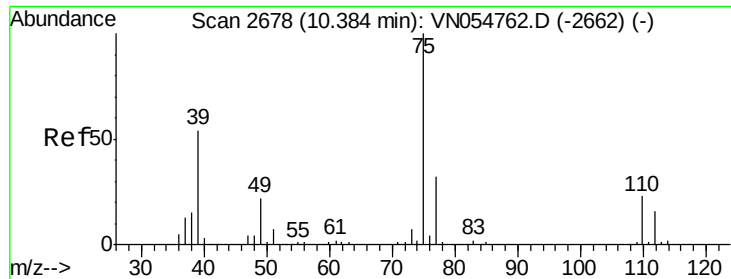
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.352 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

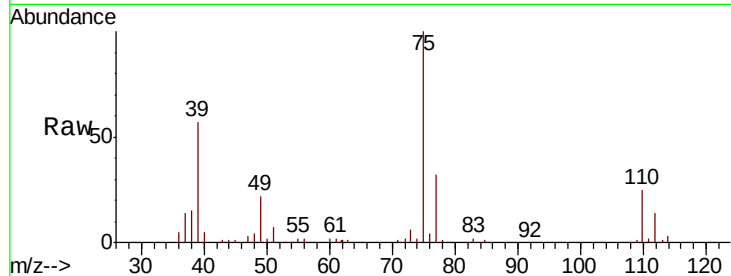
ClientSampleId :

Tot Ion: 75 Resp: 116673

Ion Ratio Lower Upper

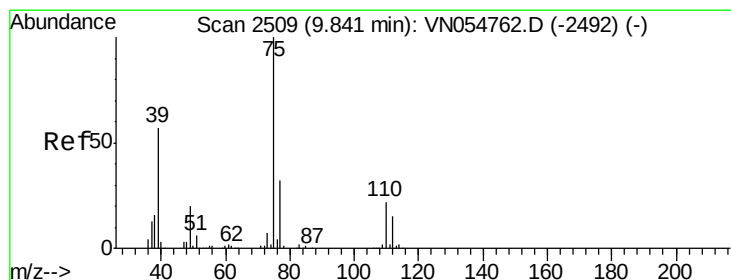
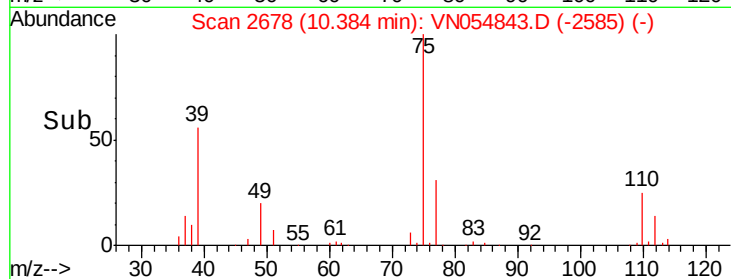
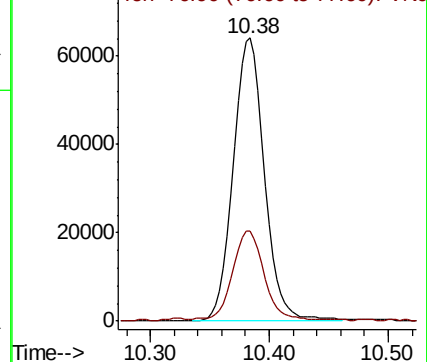
75 100

77 30.9 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 21.469 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

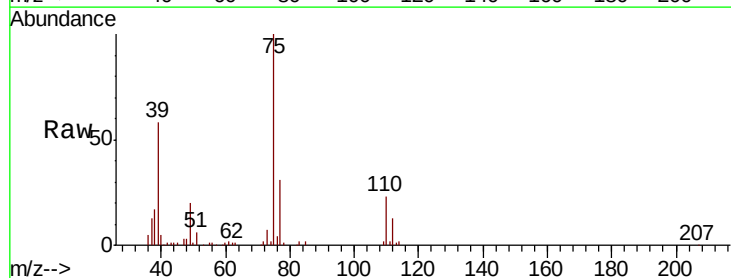
Tgt Ion: 75 Resp: 147020

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0

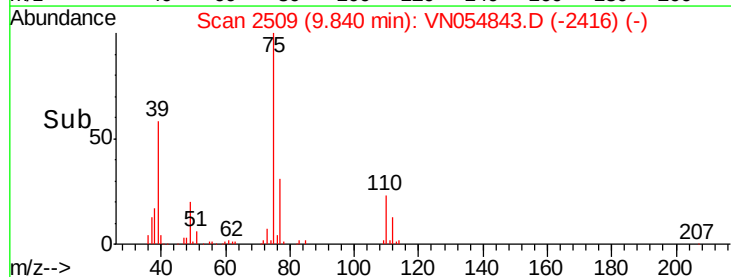
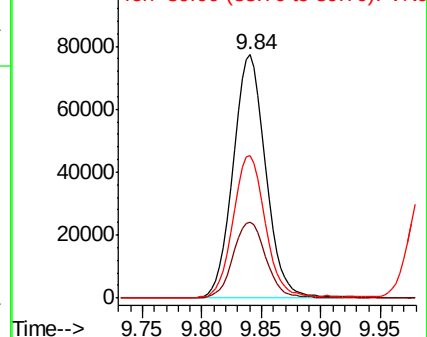
39 58.1 37.2 55.8#

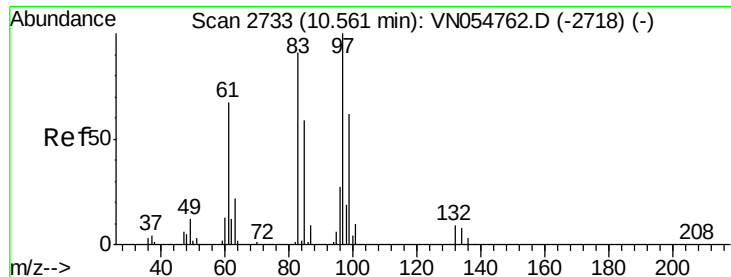


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

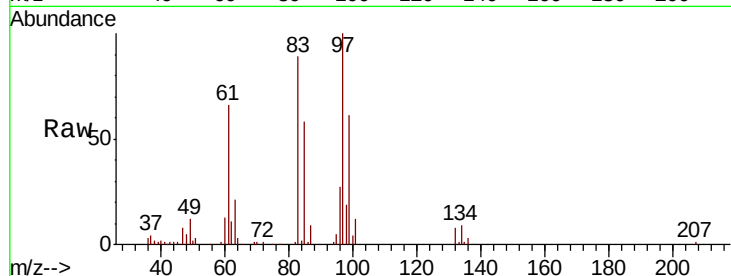




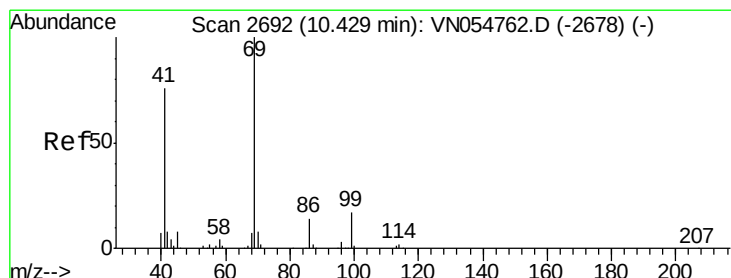
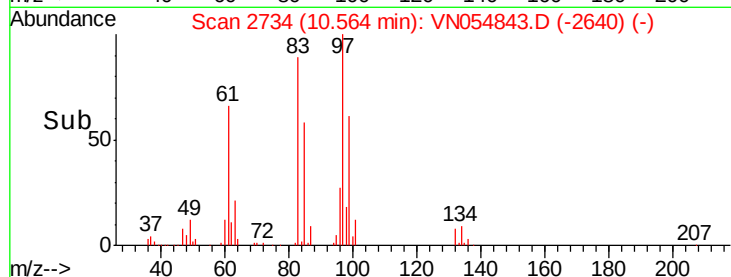
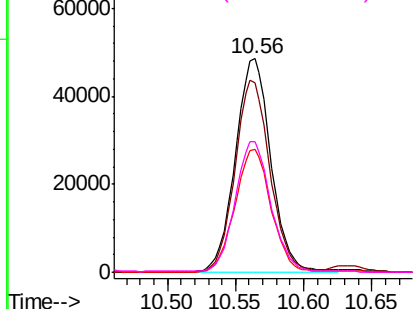
#55
 1,1,2-Trichloroethane
 Concen: 21.782 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	88107
Ion	Ratio	Lower	Upper
97	100		
83	88.5	66.6	100.0
85	57.7	44.4	66.6
99	60.7	50.8	76.2

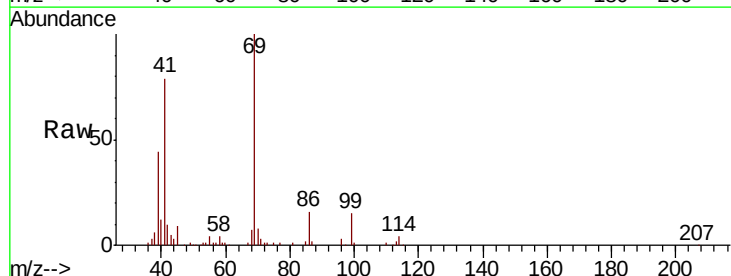


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

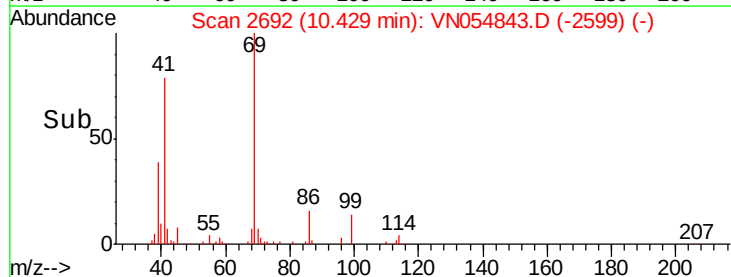
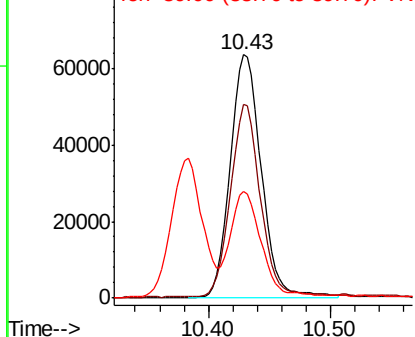


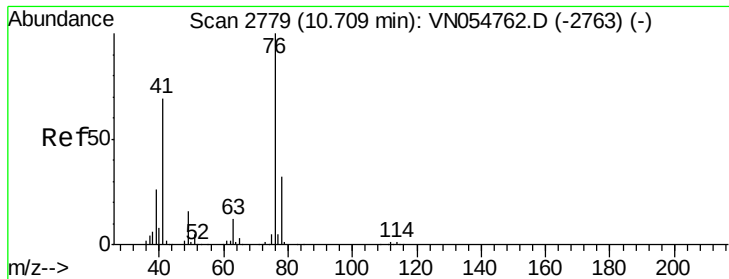
#56
 Ethyl methacrylate
 Concen: 21.454 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion:	69	Resp:	113835
Ion	Ratio	Lower	Upper
69	100		
41	75.8	49.4	74.2#
39	43.1	28.3	42.5#



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





#57

1,3-Dichloropropane

Concen: 21.881 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

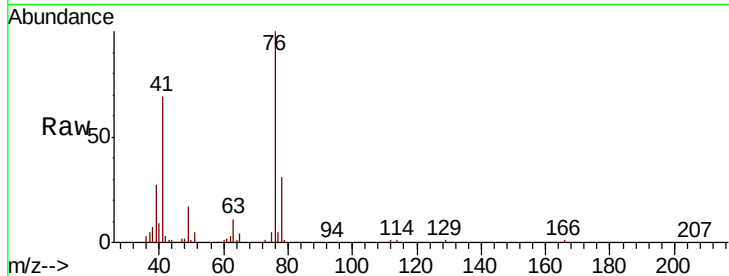
ClientSampled :

Tot Ion: 76 Resp: 152162

Ion Ratio Lower Upper

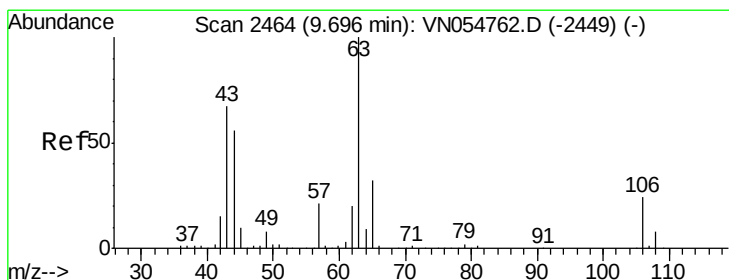
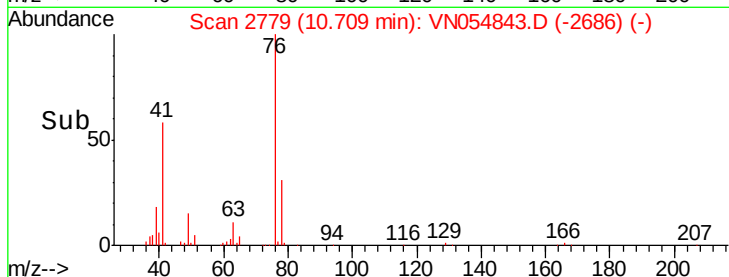
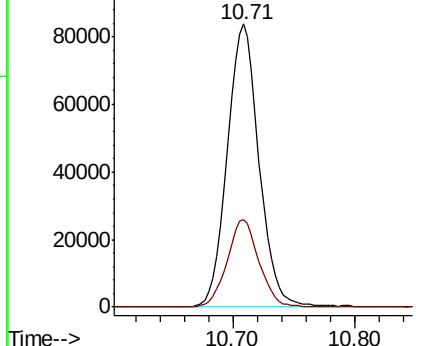
76 100

78 31.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 101.276 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054843.D

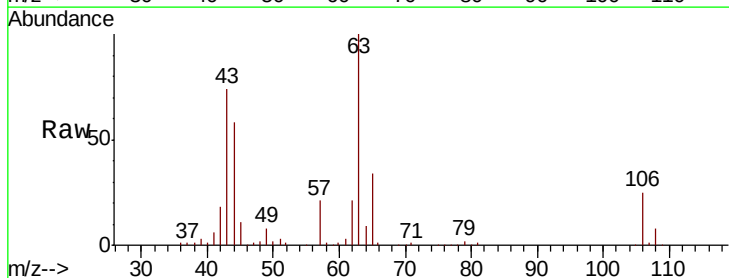
Acq: 31 Mar 2019 11:59

Tgt Ion: 63 Resp: 216794

Ion Ratio Lower Upper

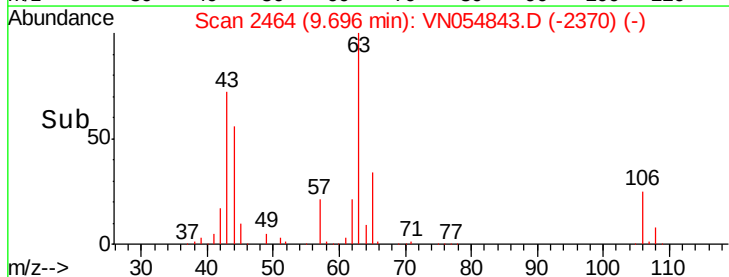
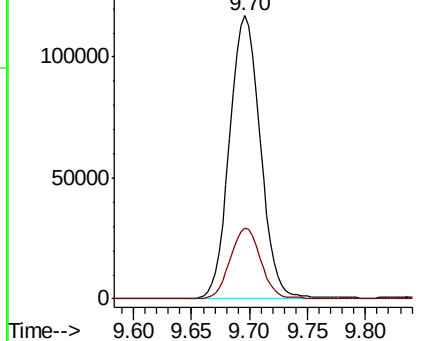
63 100

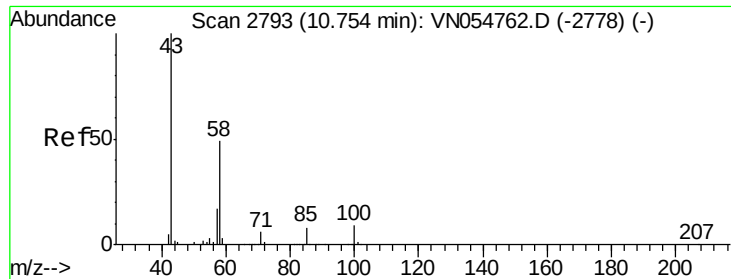
106 24.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

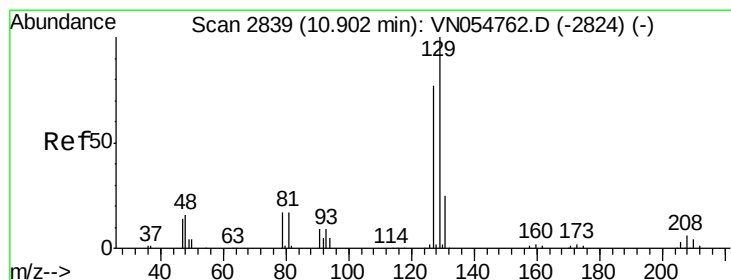
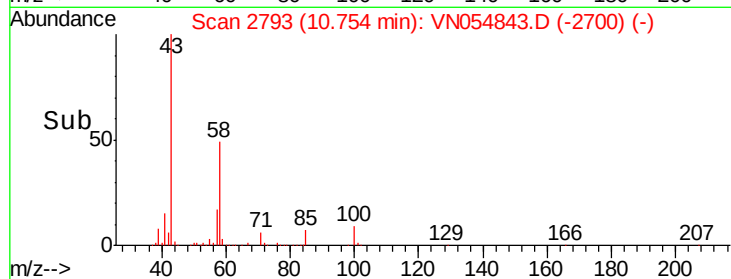
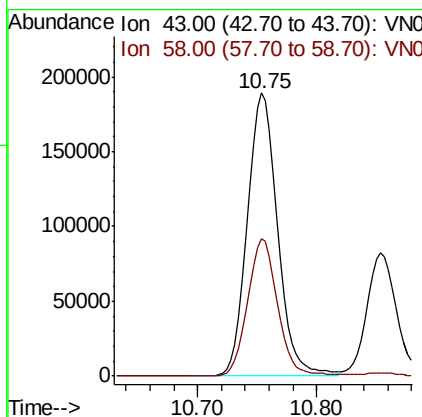
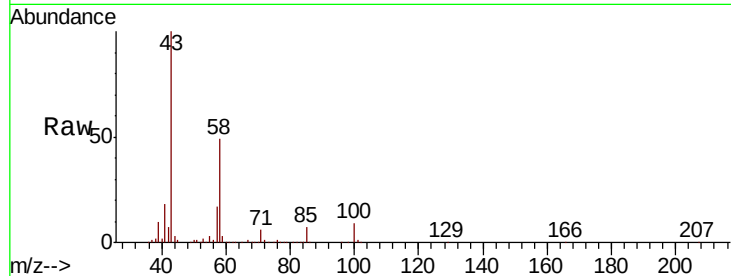




#59
2-Hexanone
Concen: 121.240 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

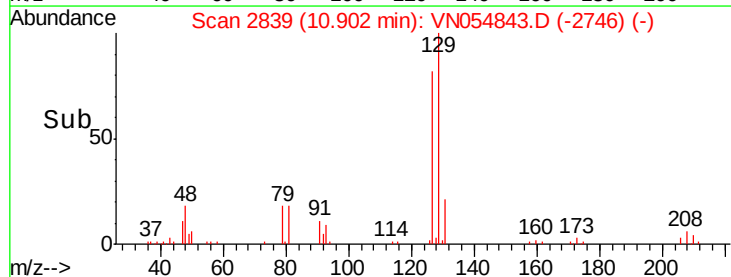
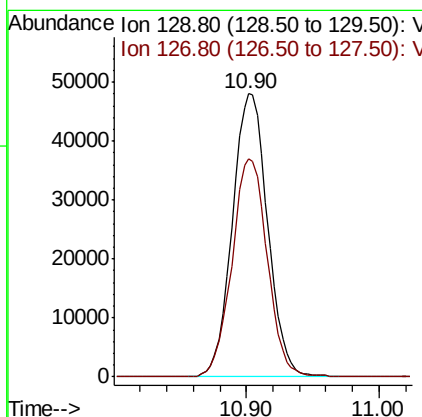
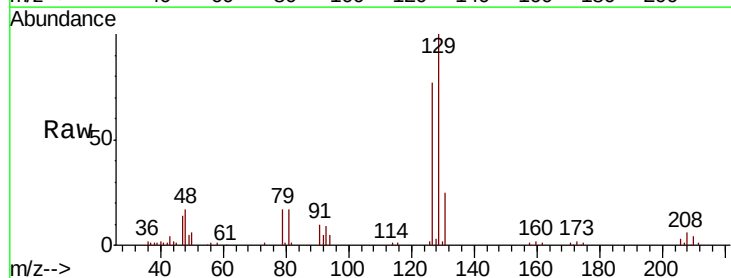
Instrument :
MSVOA_N
ClientSampleId :

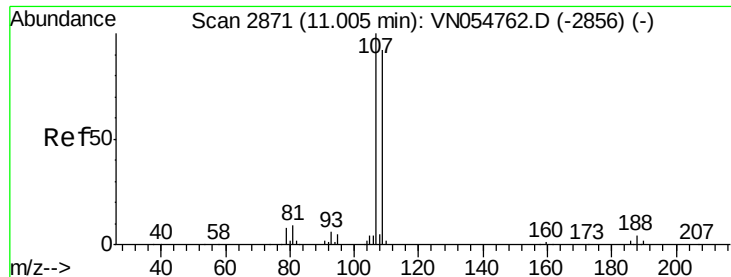
Tot Ion: 43 Resp: 332196
Ion Ratio Lower Upper
43 100
58 48.2 28.0 83.9



#60
Dibromochloromethane
Concen: 21.619 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion: 129 Resp: 88581
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.591 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

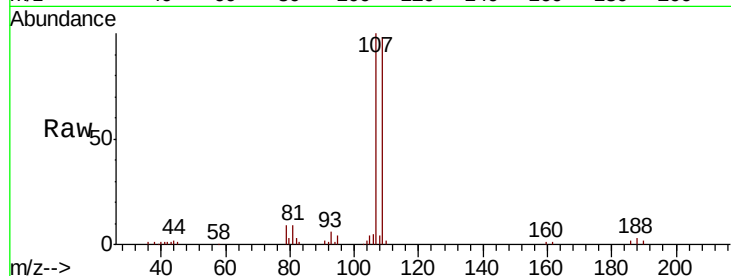
ClientSampleId :

Tot Ion:107 Resp: 83460

Ion Ratio Lower Upper

107 100

109 95.0 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

50000

40000

30000

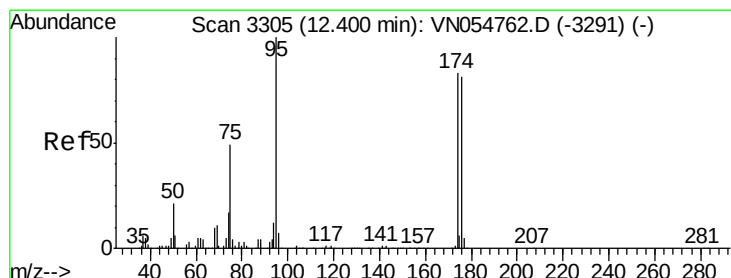
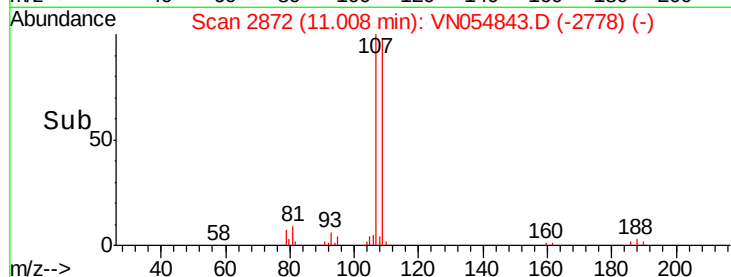
20000

10000

0

Time-->

10.95 11.00 11.05 11.10



#62

4-Bromofluorobenzene

Concen: 20.061 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

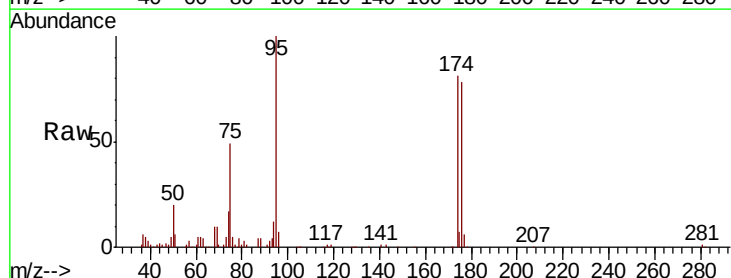
Tgt Ion: 95 Resp: 113386

Ion Ratio Lower Upper

95 100

174 86.1 0.0 191.0

176 80.2 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

80000

60000

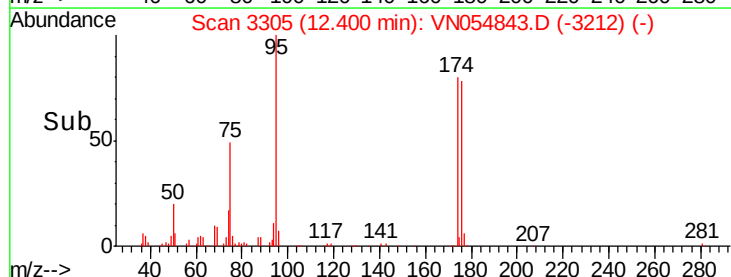
40000

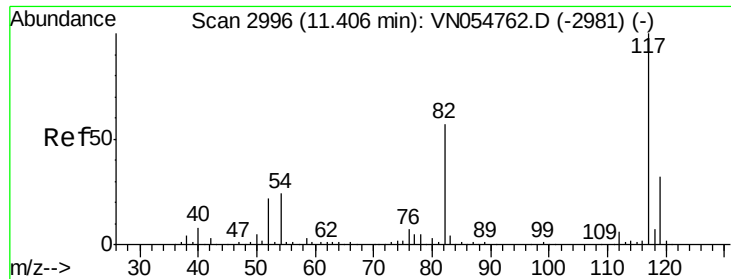
20000

0

Time-->

12.35 12.40 12.45 12.50

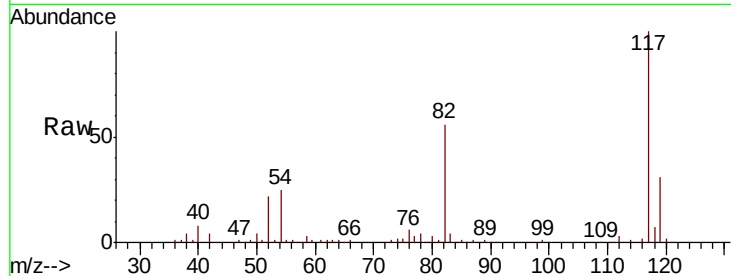




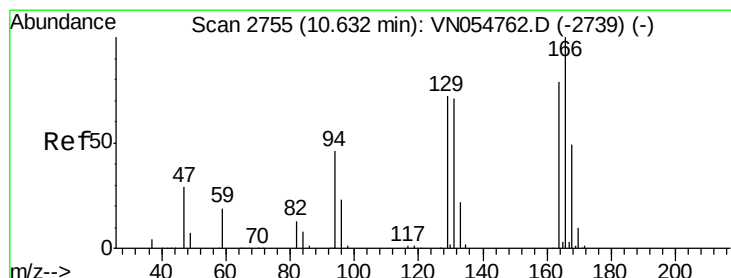
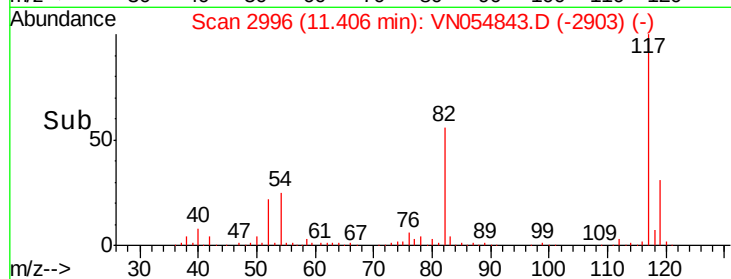
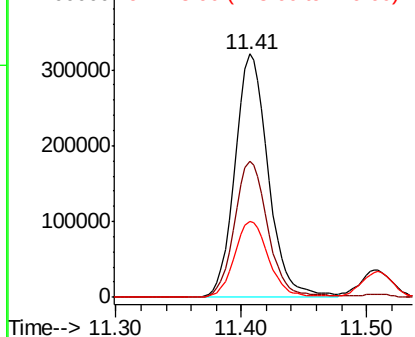
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 592855
Ion Ratio Lower Upper
117 100
82 55.9 40.0 60.0
119 31.2 25.8 38.6



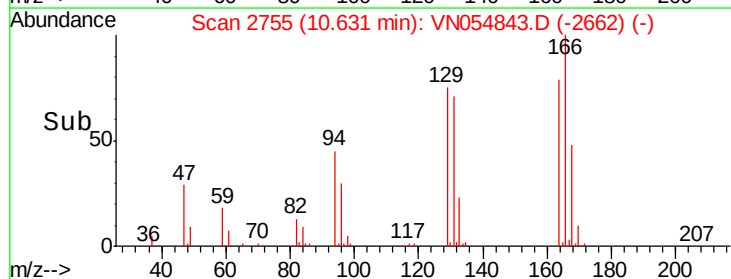
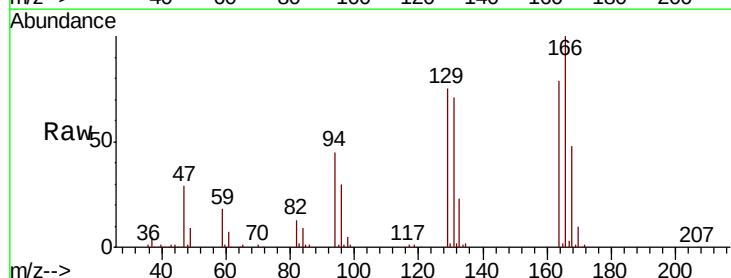
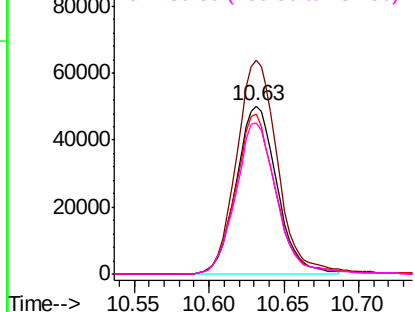
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

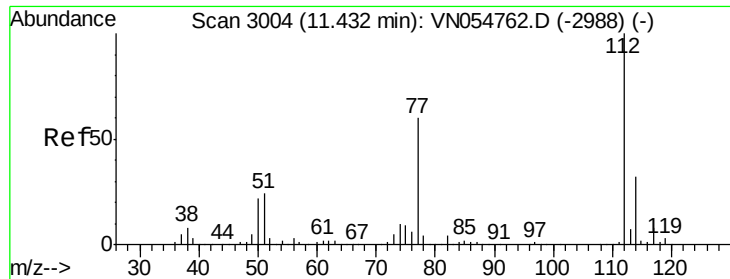


#64
Tetrachloroethene
Concen: 20.868 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion:164 Resp: 94938
Ion Ratio Lower Upper
164 100
166 127.0 103.9 155.9
129 94.8 71.1 106.7
131 90.2 68.2 102.4

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

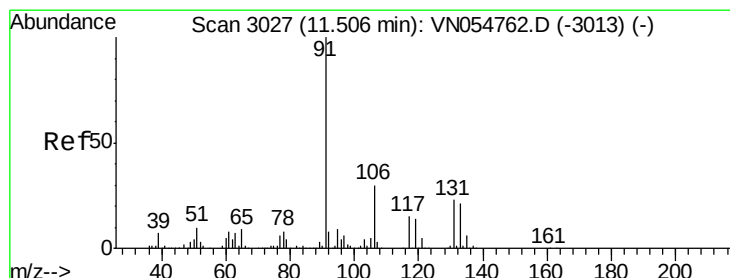
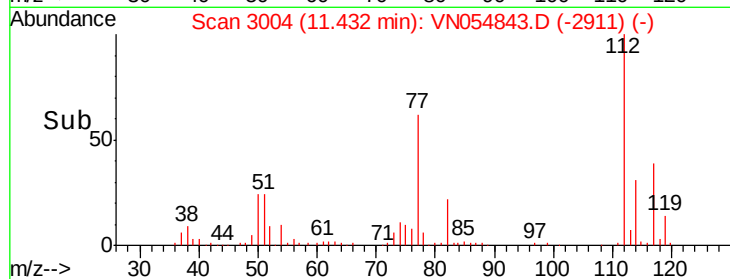
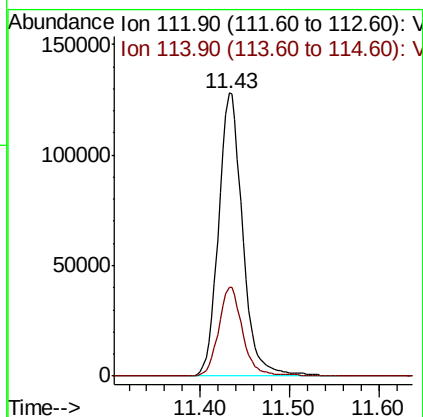
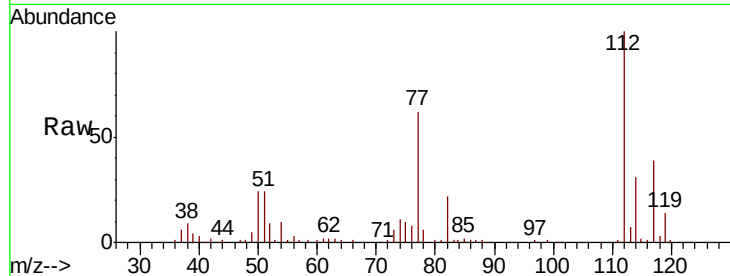




#65
Chlorobenzene
Concen: 20.634 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

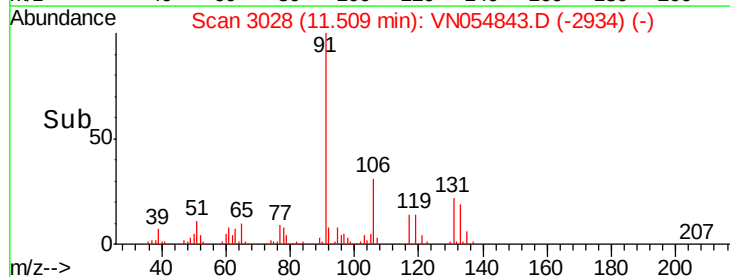
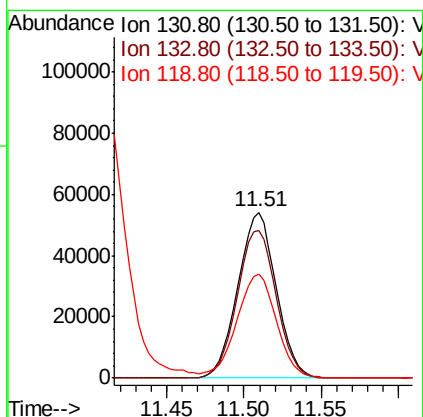
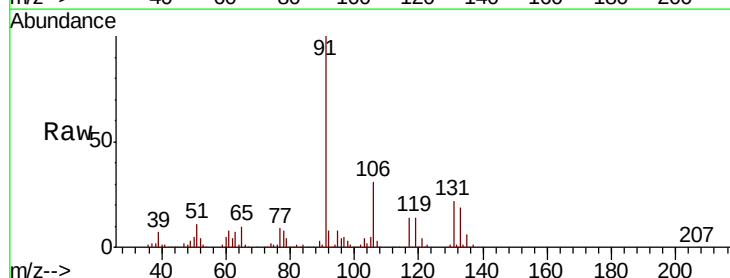
Instrument :
MSVOA_N
ClientSampled :

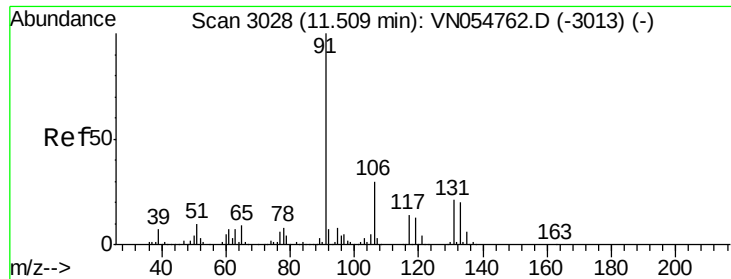
Tot Ion:112 Resp: 239514
Ion Ratio Lower Upper
112 100
114 31.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.478 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion:131 Resp: 93314
Ion Ratio Lower Upper
131 100
133 90.9 47.6 142.9
119 65.0 32.4 97.0

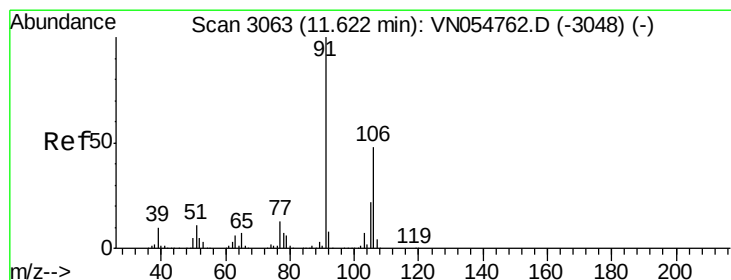
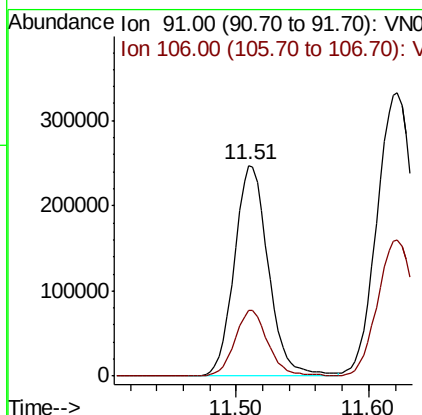
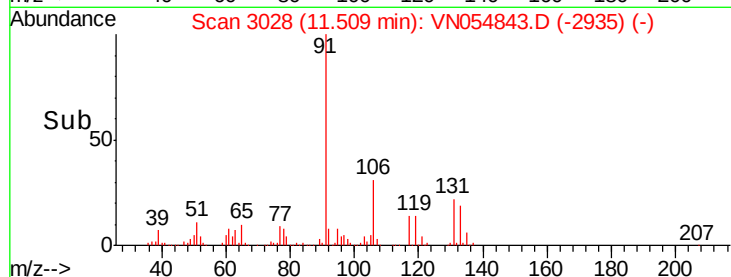
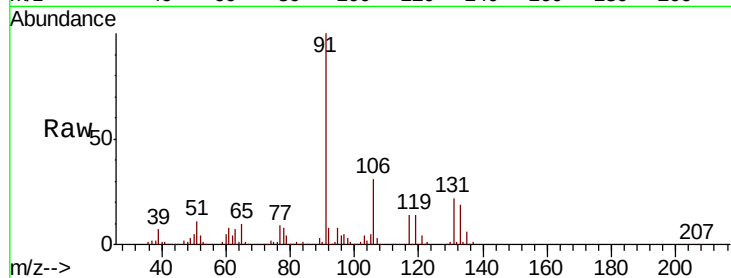




#67
Ethyl Benzene
Concen: 21.023 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

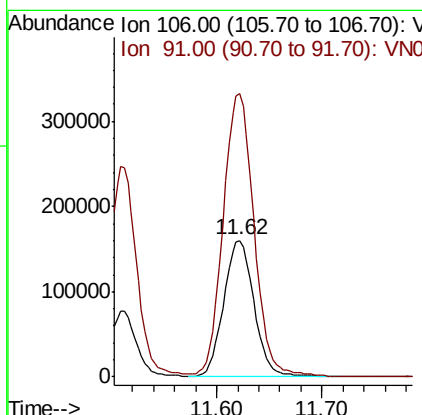
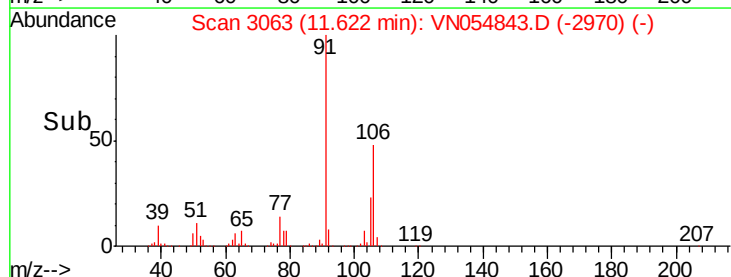
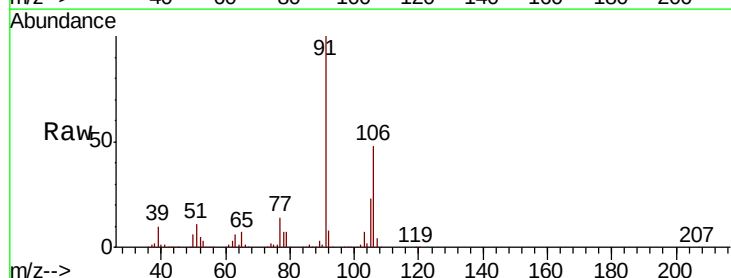
Instrument :
MSVOA_N
ClientSampled :

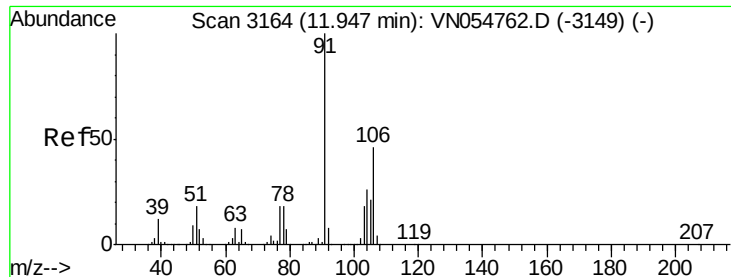
Tot Ion: 91 Resp: 440346
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3



#68
m/p-Xylenes
Concen: 41.222 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion: 106 Resp: 319527
Ion Ratio Lower Upper
106 100
91 211.4 159.4 239.2

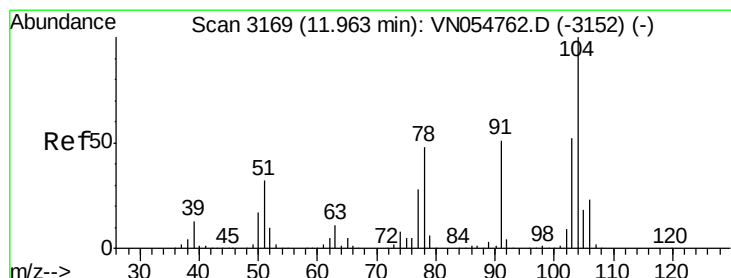
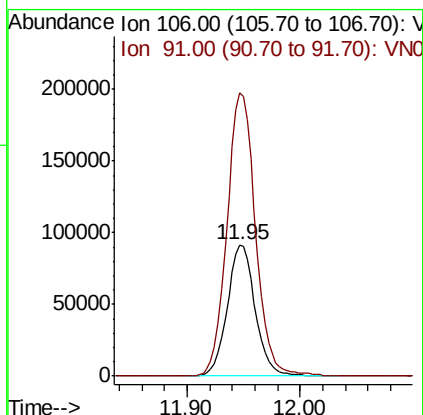
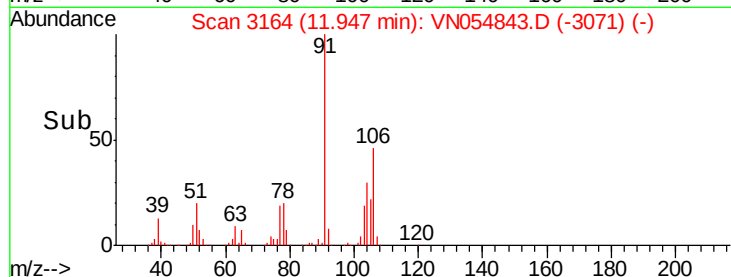
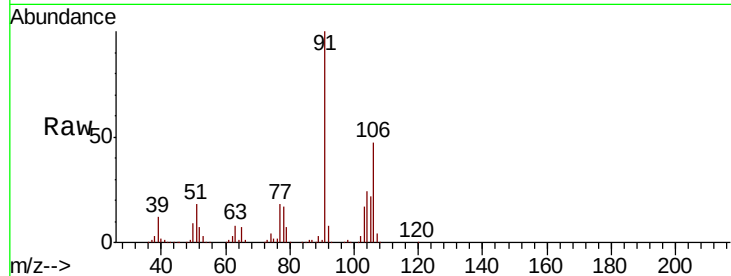




#69
o-Xylene
Concen: 20.613 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

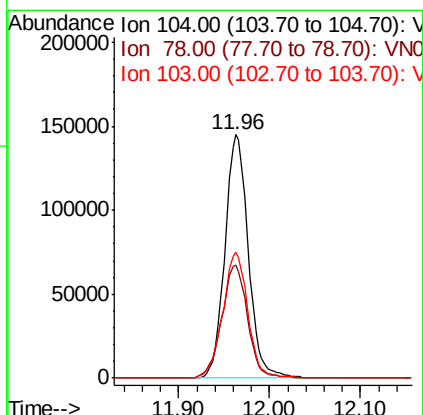
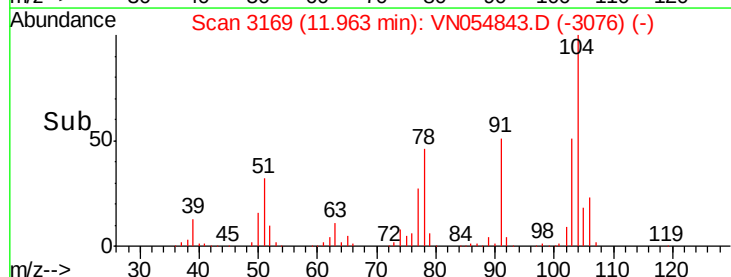
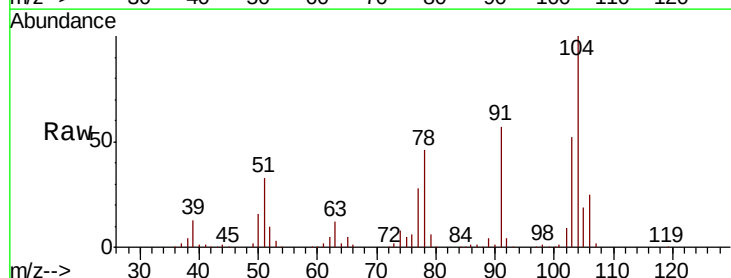
Instrument :
MSVOA_N
ClientSampled :

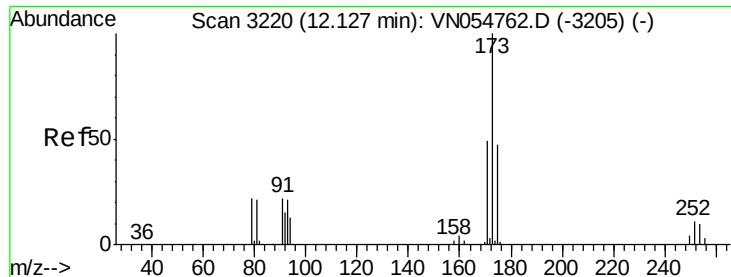
Tot Ion:106 Resp: 156681
Ion Ratio Lower Upper
106 100
91 220.9 105.7 317.1



#70
Styrene
Concen: 21.321 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion:104 Resp: 259119
Ion Ratio Lower Upper
104 100
78 51.3 38.2 57.2
103 55.4 44.4 66.6

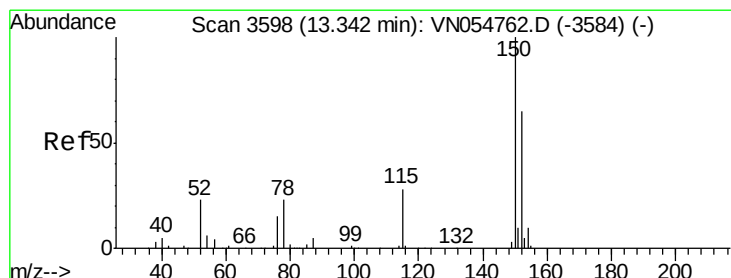
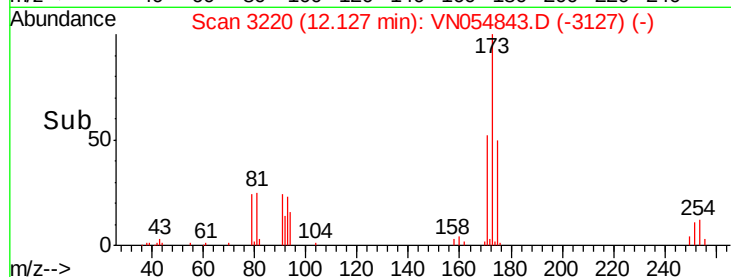
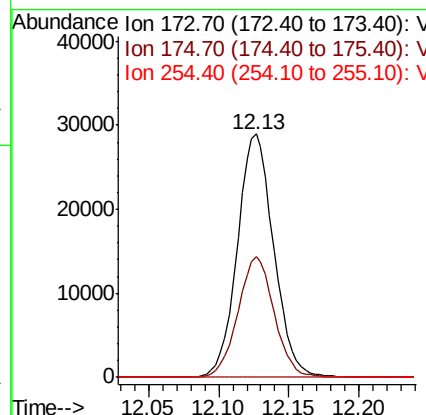
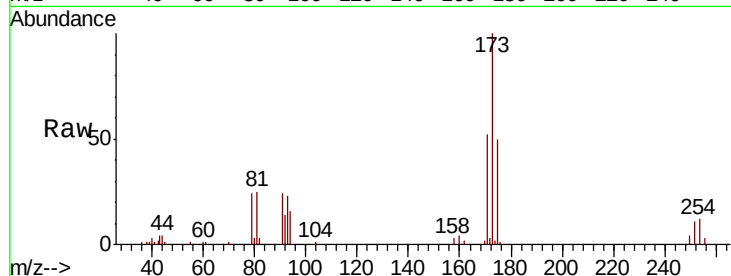




#71
Bromoform
Concen: 20.480 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

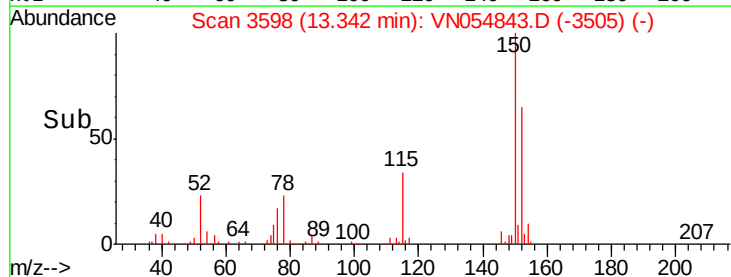
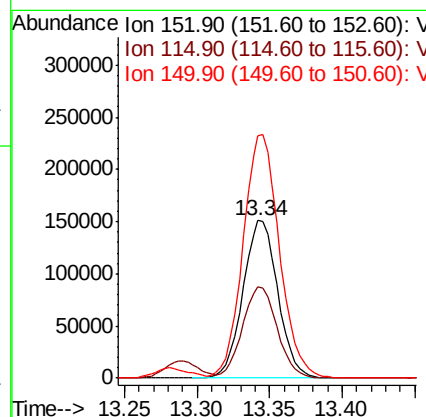
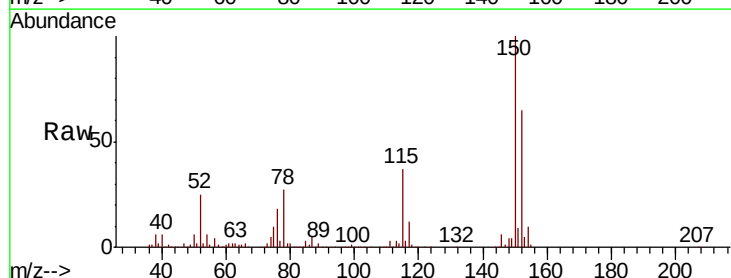
Instrument :
MSVOA_N
ClientSampled :

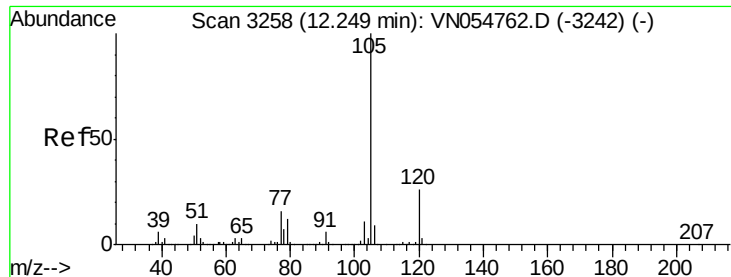
Tot Ion:173 Resp: 52128
Ion Ratio Lower Upper
173 100
175 49.5 24.4 73.2
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion:152 Resp: 252151
Ion Ratio Lower Upper
152 100
115 57.4 27.2 81.6
150 161.1 0.0 349.2





#73

Isopropylbenzene

Concen: 20.469 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

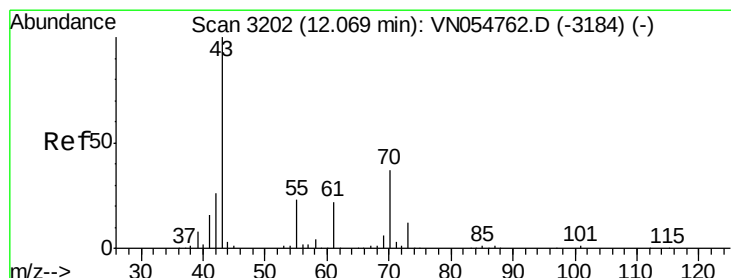
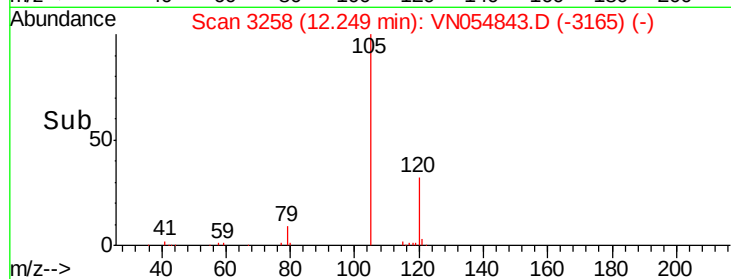
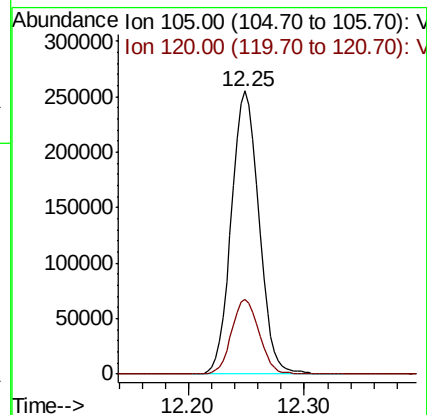
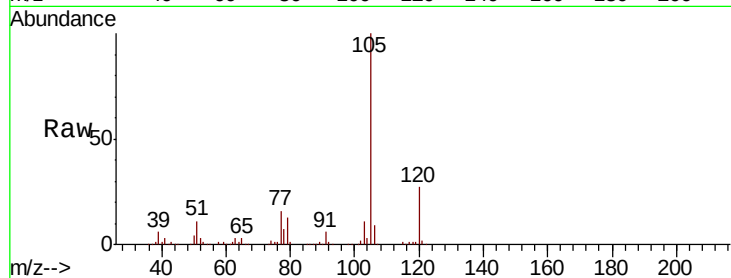
ClientSampled :

Tot Ion:105 Resp: 421871

Ion Ratio Lower Upper

105 100

120 26.4 13.8 41.3



#74

N-amyl acetate

Concen: 20.733 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Tgt Ion: 43 Resp: 133124

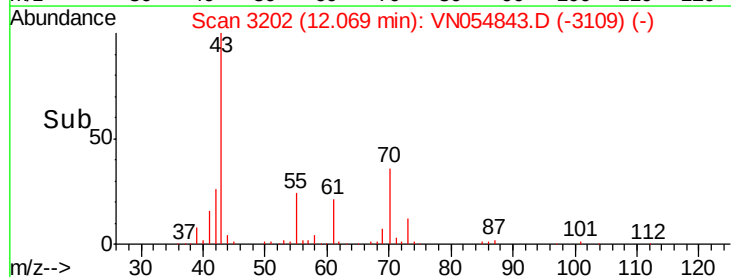
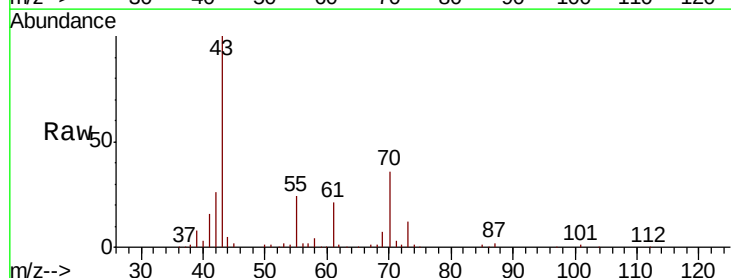
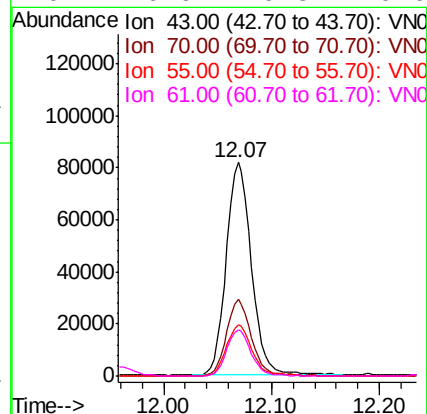
Ion Ratio Lower Upper

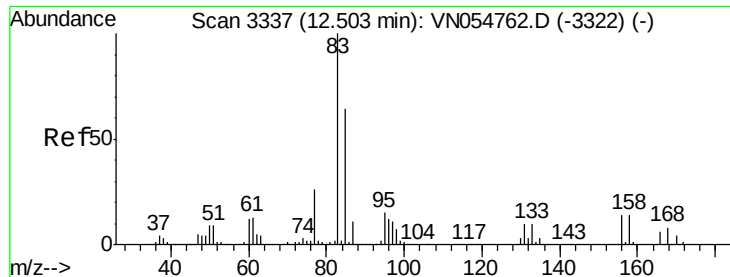
43 100

70 35.2 35.4 53.0#

55 24.4 19.8 29.6

61 20.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.591 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

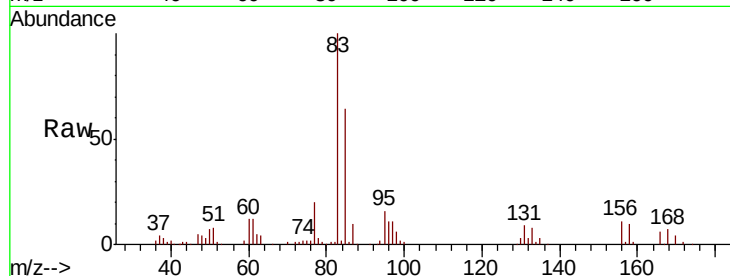
Tot Ion: 83 Resp: 111290

Ion Ratio Lower Upper

83 100

131 10.0 5.8 17.4

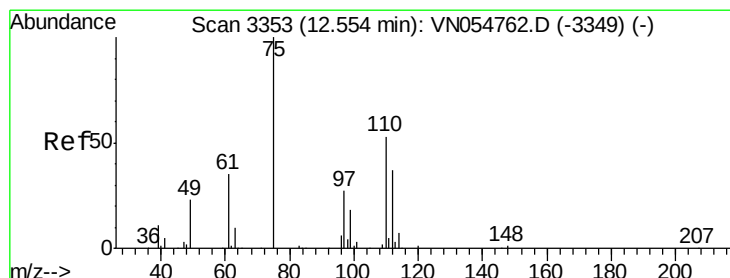
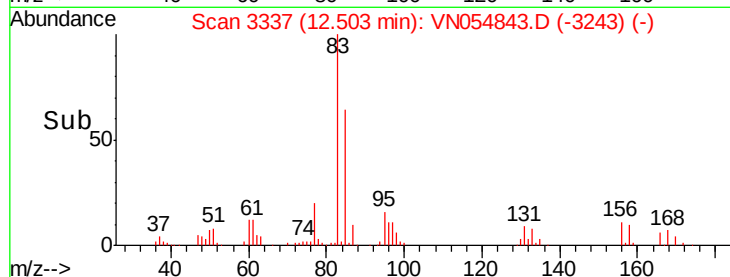
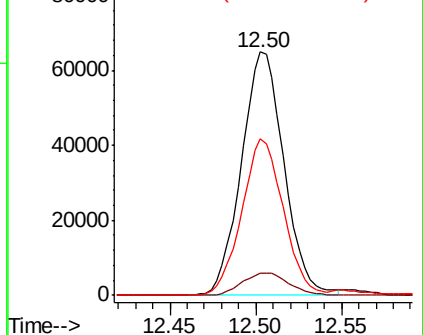
85 62.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054843.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN054843.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN054843.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 28.801 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054843.D

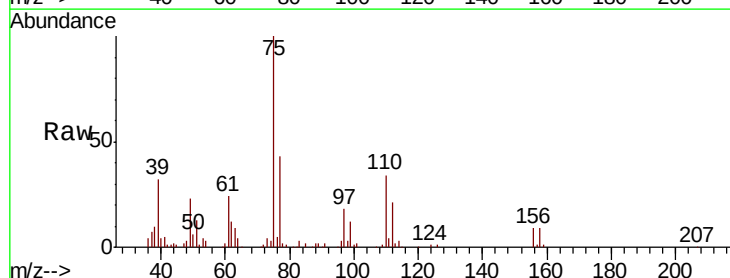
Acq: 31 Mar 2019 11:59

Tgt Ion: 75 Resp: 126160

Ion Ratio Lower Upper

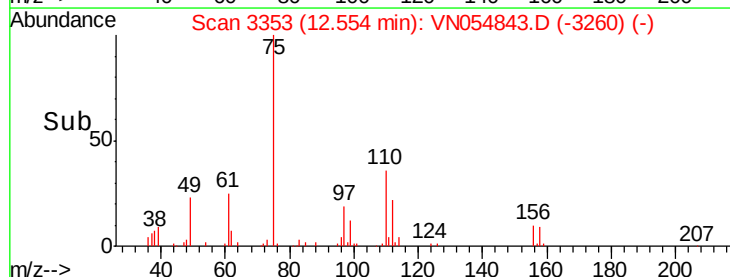
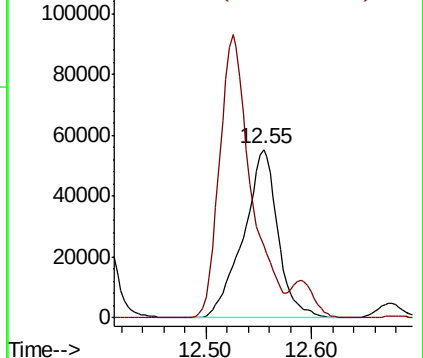
75 100

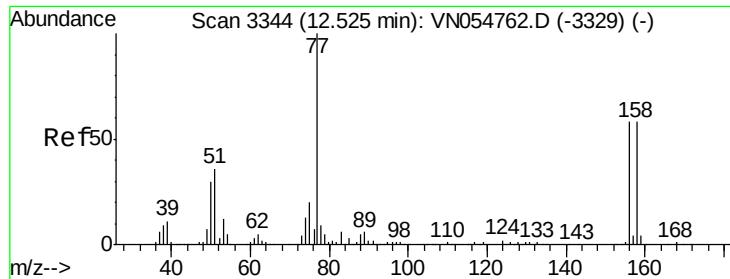
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054843.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054843.D (-3260) (-)





#77

Bromobenzene

Concen: 20.423 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

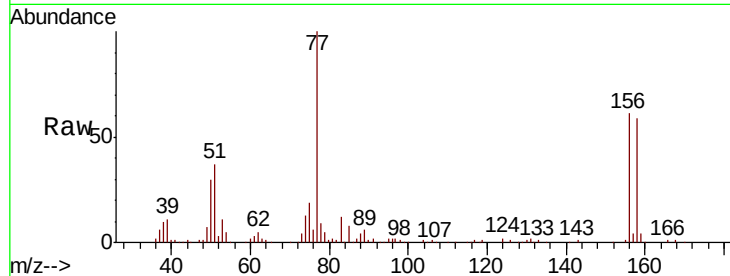
Tot Ion:156 Resp: 101585

Ion Ratio Lower Upper

156 100

77 191.1 81.5 244.4

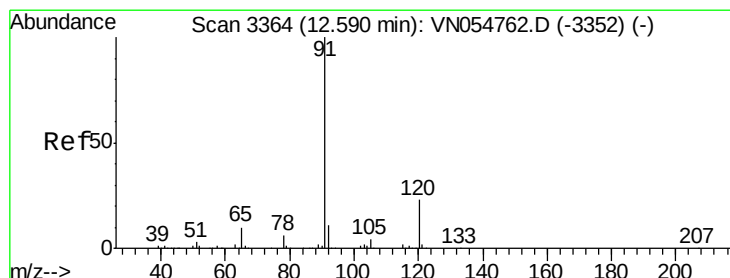
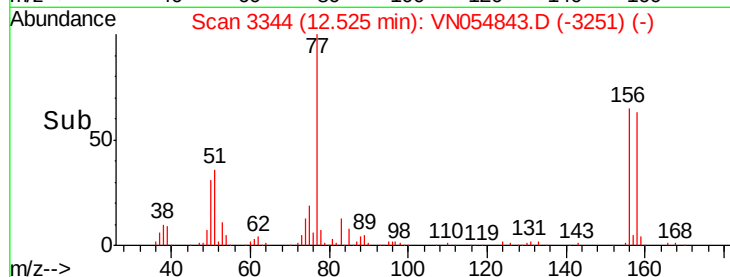
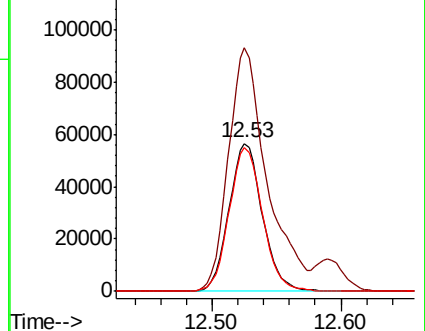
158 97.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.556 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054843.D

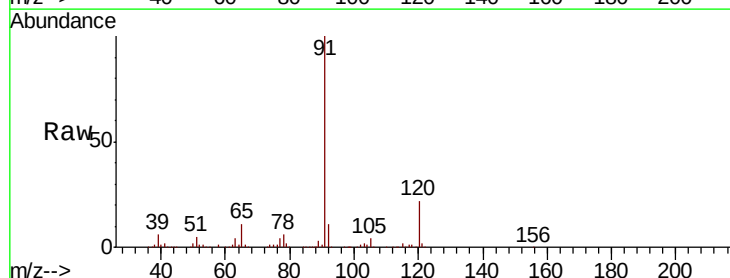
Acq: 31 Mar 2019 11:59

Tgt Ion: 91 Resp: 465636

Ion Ratio Lower Upper

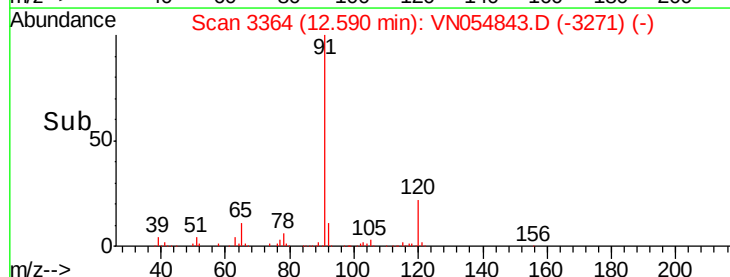
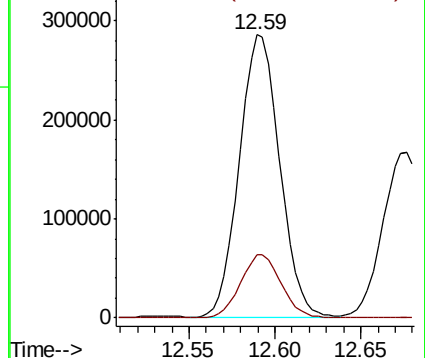
91 100

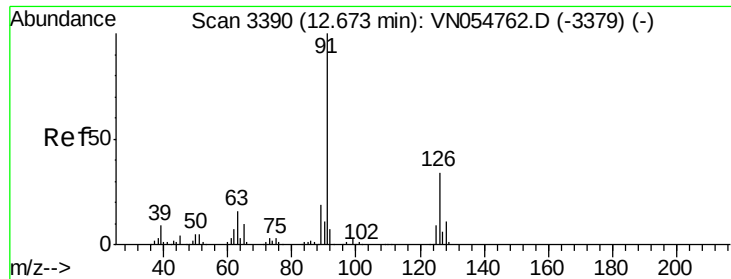
120 22.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.203 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

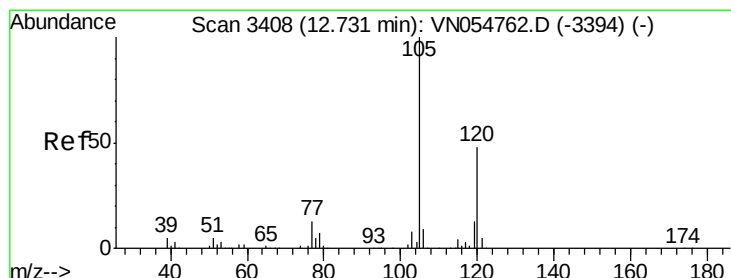
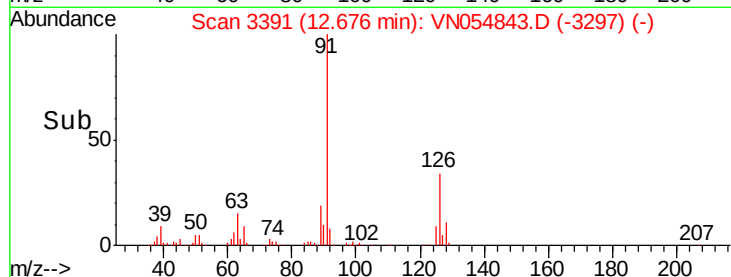
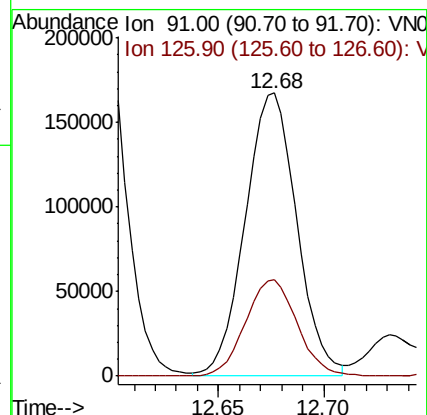
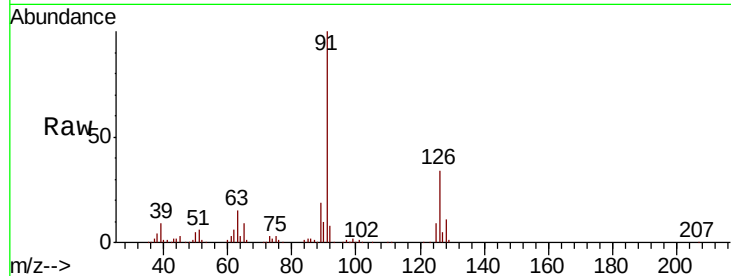
ClientSampled :

Tot Ion: 91 Resp: 283137

Ion Ratio Lower Upper

91 100

126 34.5 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.516 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054843.D

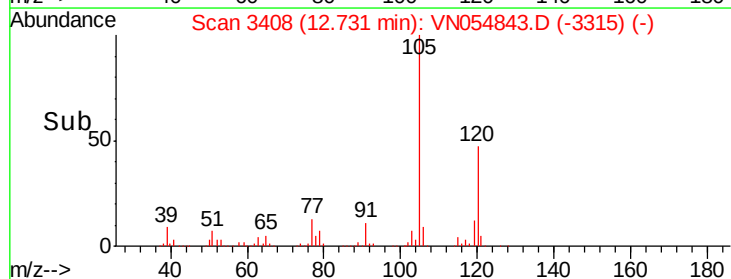
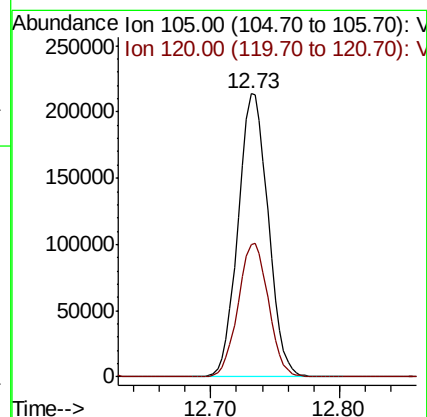
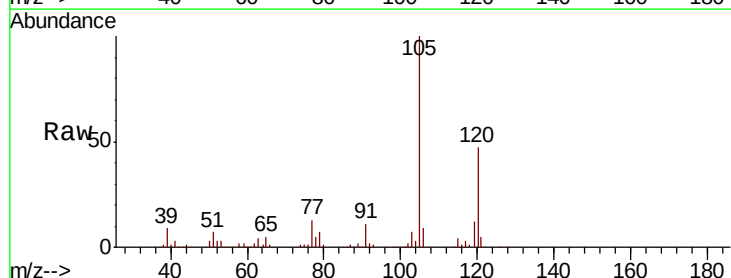
Acq: 31 Mar 2019 11:59

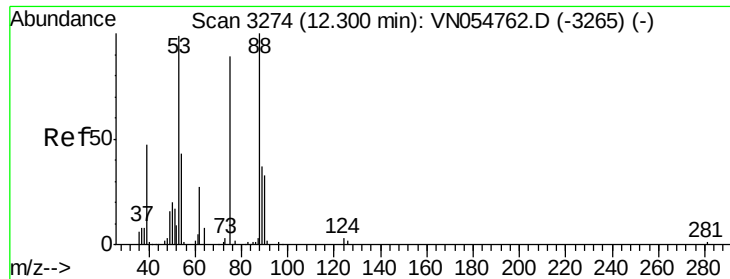
Tgt Ion: 105 Resp: 346946

Ion Ratio Lower Upper

105 100

120 47.7 25.0 75.0

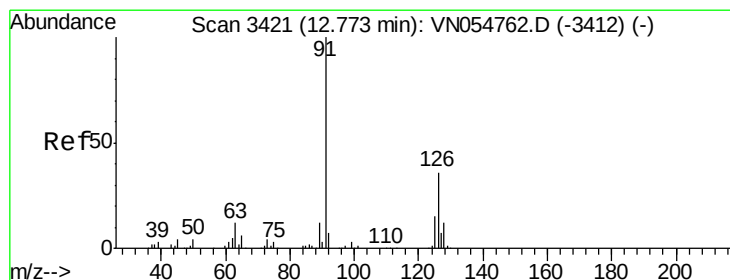
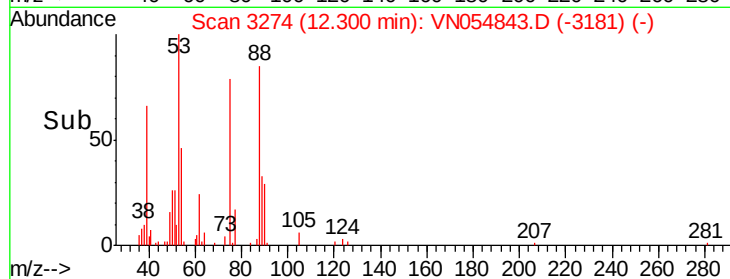
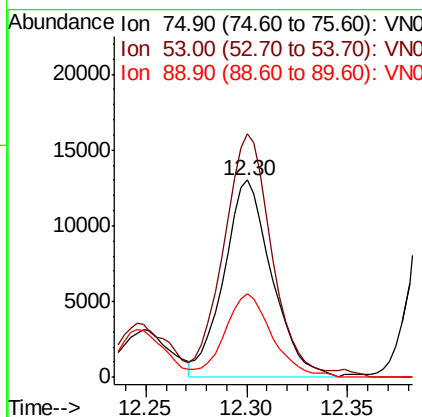
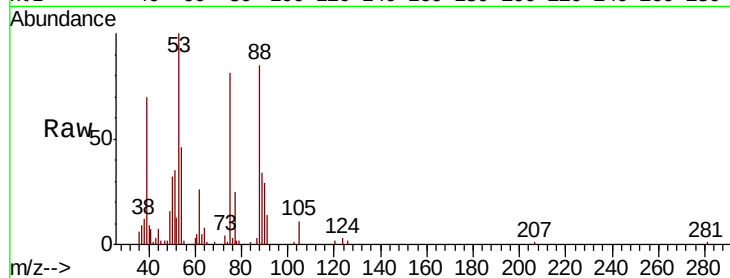




#81
trans-1,4-Dichloro-2-butene
Concen: 19.235 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

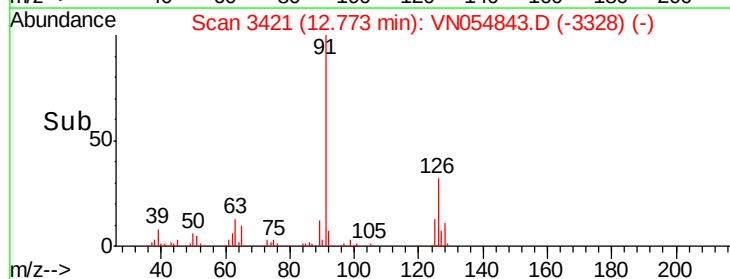
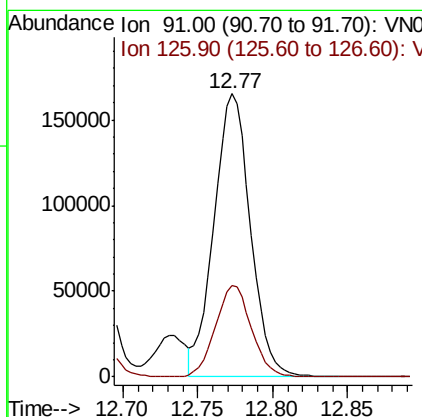
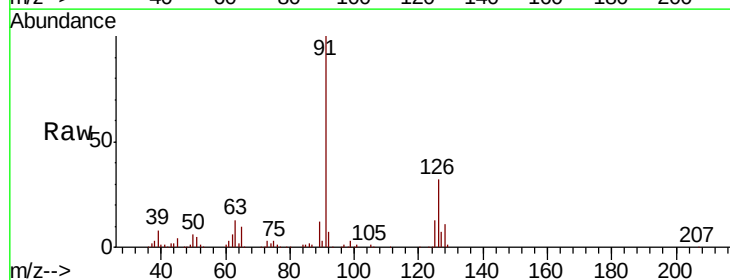
Instrument :
MSVOA_N
ClientSampled :

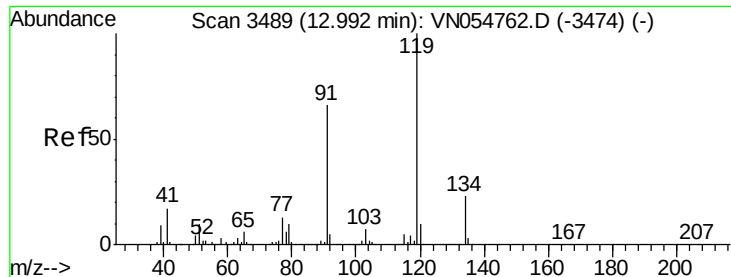
Tot Ion: 75 Resp: 21662
Ion Ratio Lower Upper
75 100
53 125.3 76.2 114.2#
89 42.1 39.2 58.8



#82
4-Chlorotoluene
Concen: 20.535 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion: 91 Resp: 279527
Ion Ratio Lower Upper
91 100
126 32.0 18.1 54.1

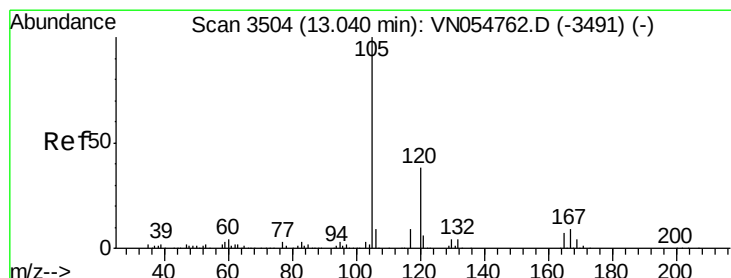
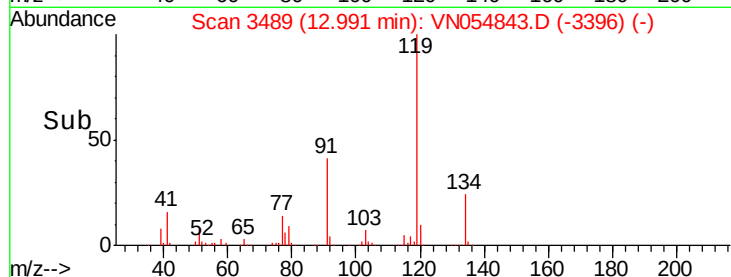
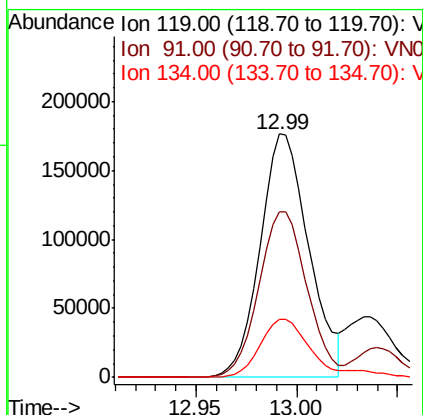
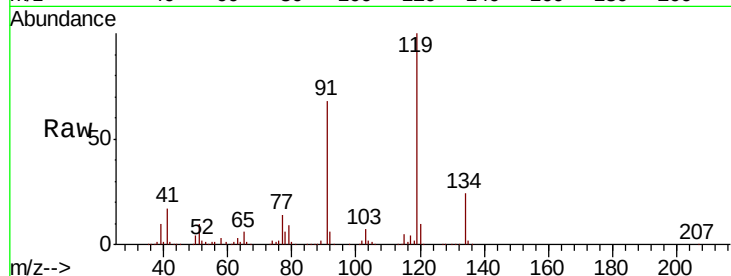




#83
 tert-Butylbenzene
 Concen: 21.510 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

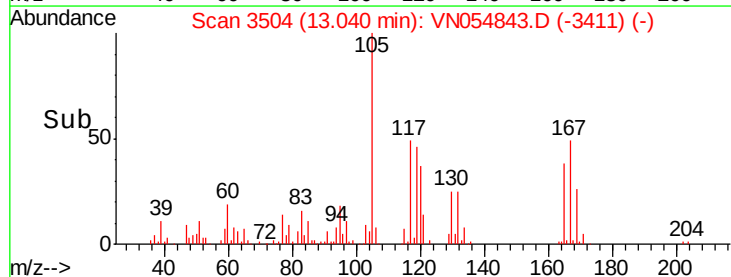
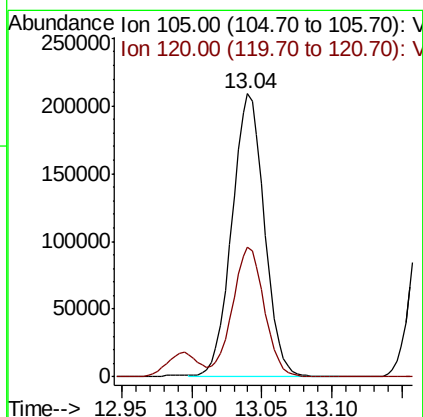
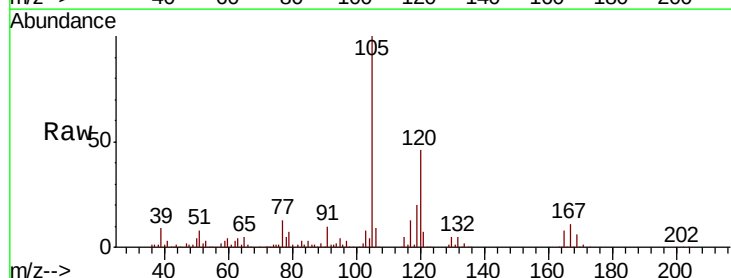
Instrument :
 MSVOA_N
 ClientSampleId :

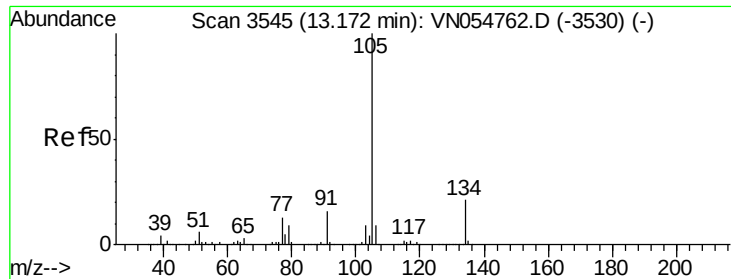
Tot Ion:119 Resp: 297427
 Ion Ratio Lower Upper
 119 100
 91 67.4 30.9 92.8
 134 25.9 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.932 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion:105 Resp: 337238
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.777 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

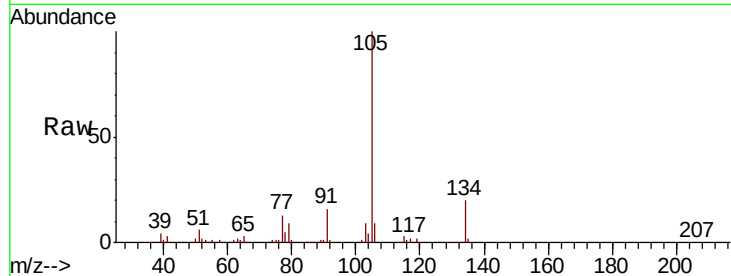
ClientSampled :

Tot Ion:105 Resp: 381684

Ion Ratio Lower Upper

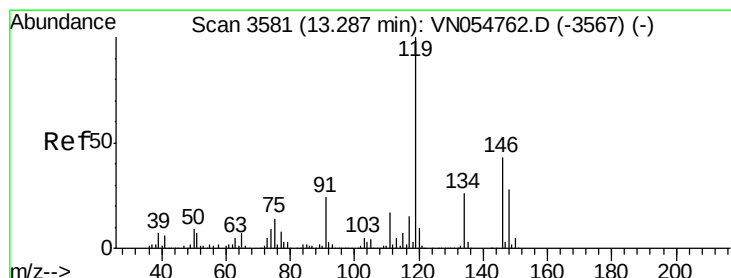
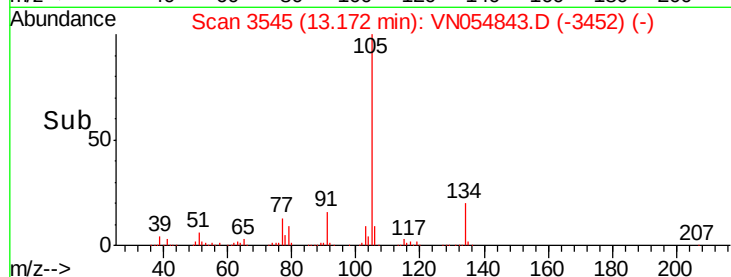
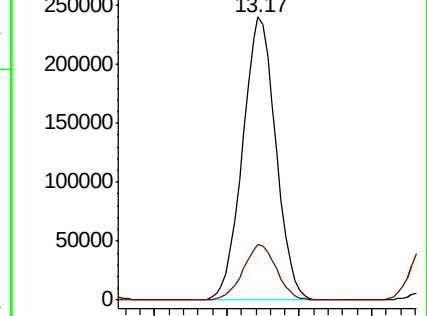
105 100

134 19.8 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.413 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

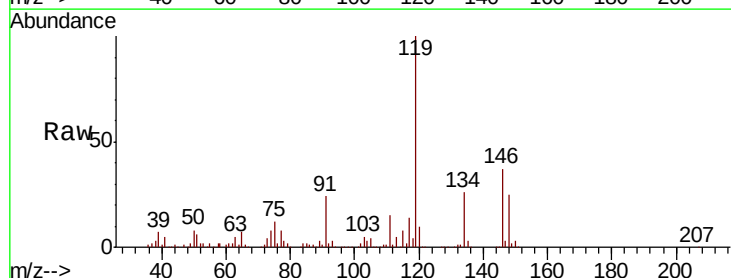
Tgt Ion:119 Resp: 330754

Ion Ratio Lower Upper

119 100

134 26.3 13.6 40.8

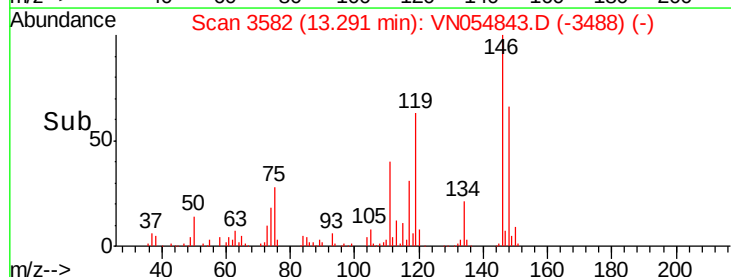
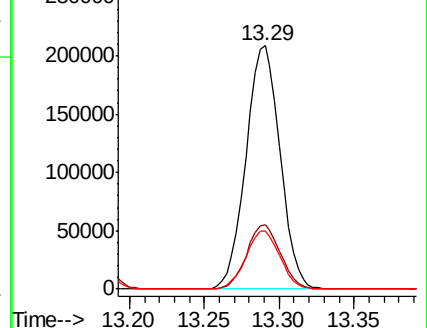
91 23.8 11.1 33.3

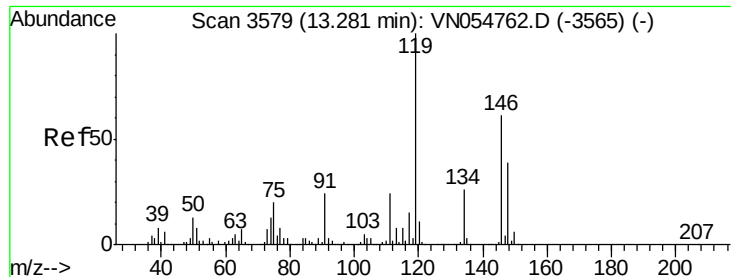


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

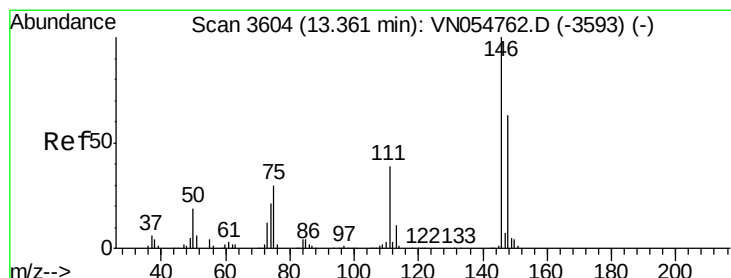
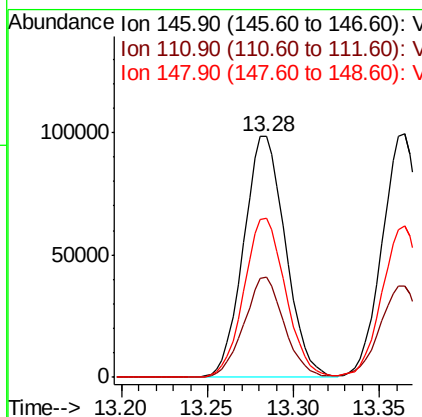
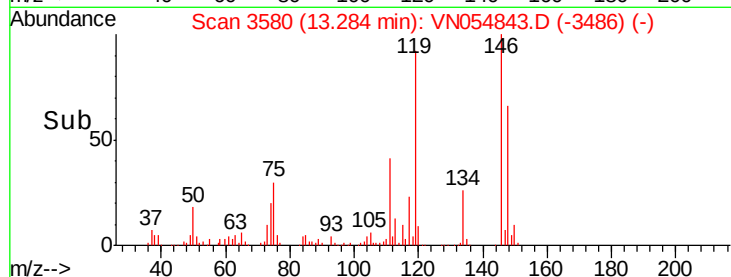
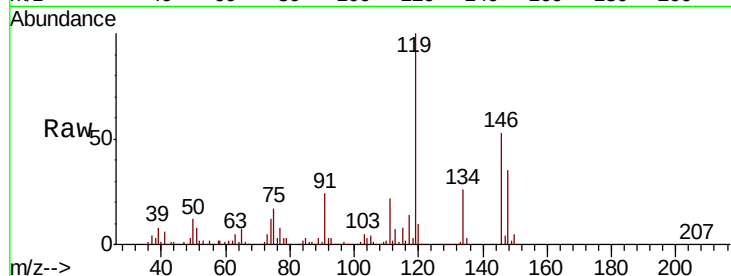




#87
 1,3-Dichlorobenzene
 Concen: 19.973 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

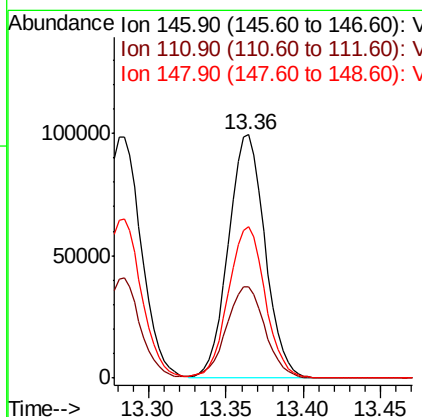
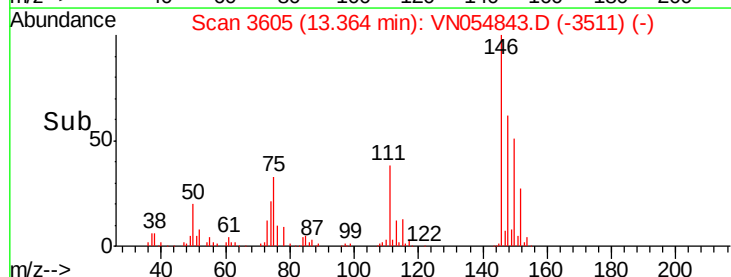
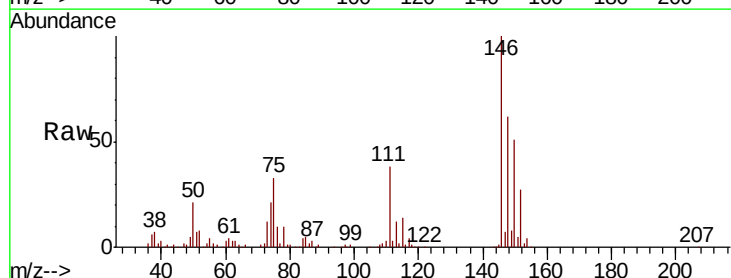
Instrument :
 MSVOA_N
 ClientSampled :

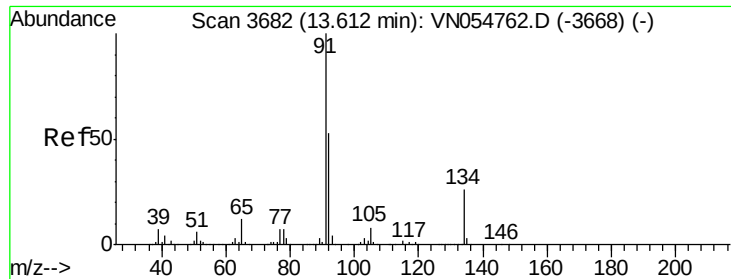
Tot Ion:146 Resp: 166332
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.8 56.3
 148 65.2 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.004 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion:146 Resp: 163395
 Ion Ratio Lower Upper
 146 100
 111 39.7 18.1 54.1
 148 62.6 32.0 96.0

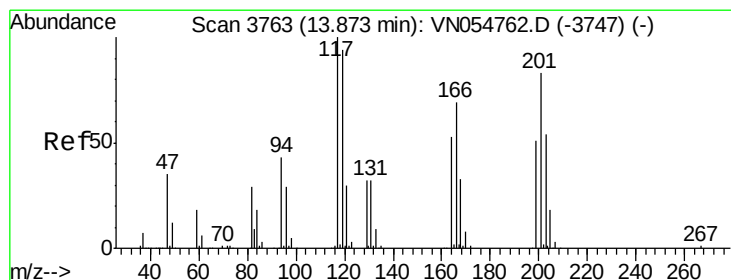
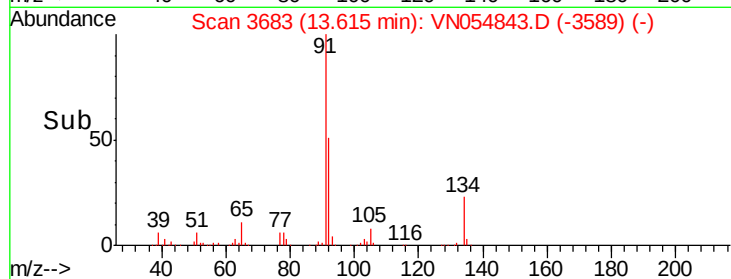
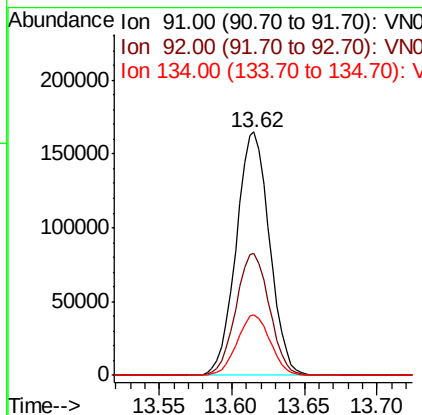
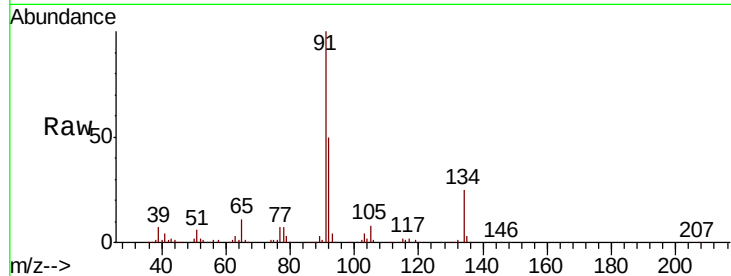




#89
n-Butylbenzene
Concen: 19.866 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

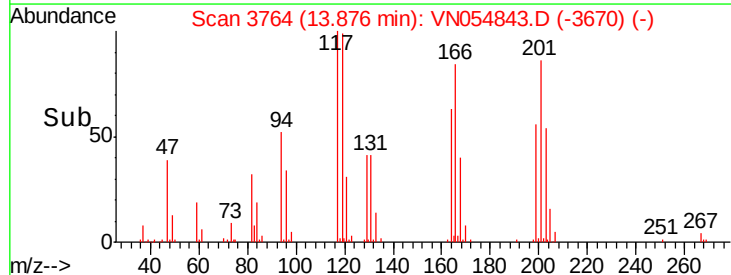
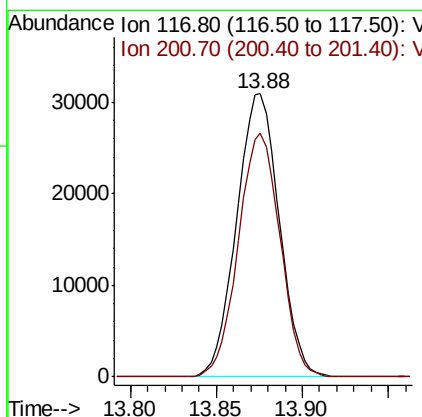
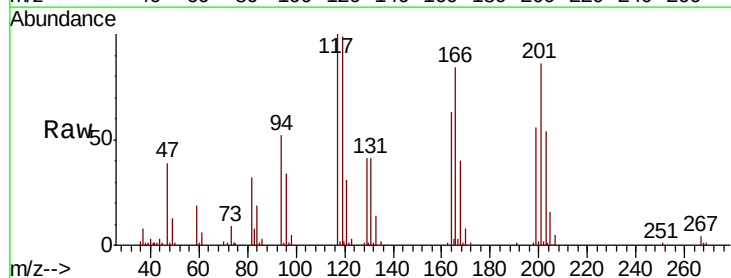
Instrument :
MSVOA_N
ClientSampled :

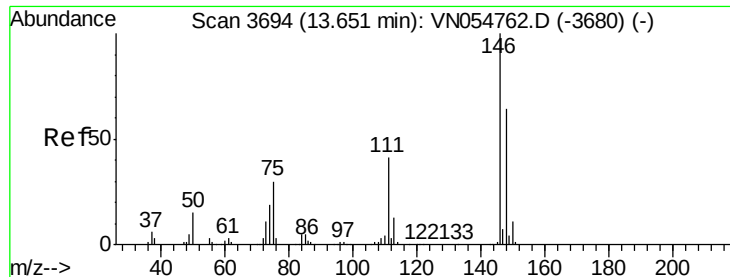
Tot Ion: 91 Resp: 262621
Ion Ratio Lower Upper
91 100
92 50.6 26.2 78.6
134 24.8 14.3 42.9



#90
Hexachloroethane
Concen: 19.323 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion: 117 Resp: 53156
Ion Ratio Lower Upper
117 100
201 84.1 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 19.951 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

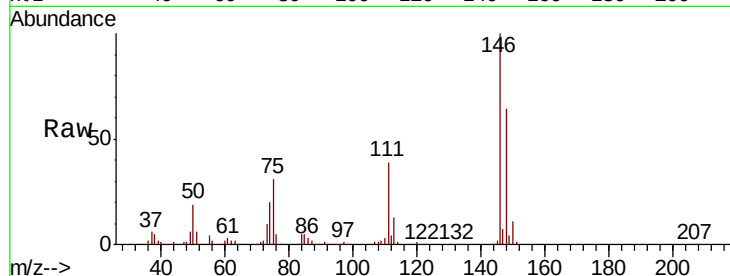
Tot Ion:146 Resp: 167684

Ion Ratio Lower Upper

146 100

111 39.5 19.1 57.3

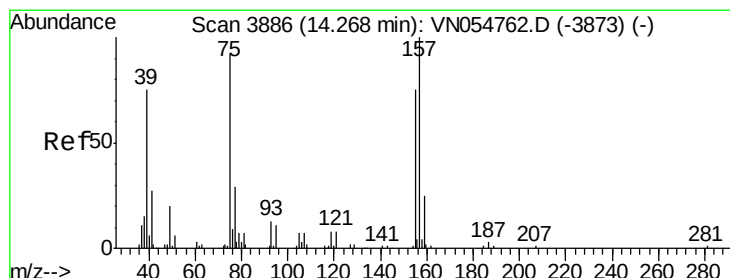
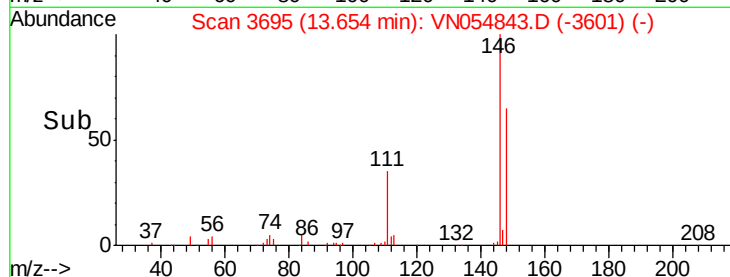
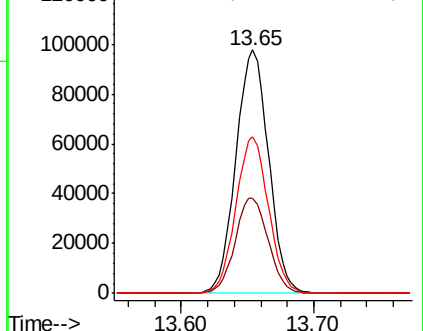
148 63.9 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.449 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

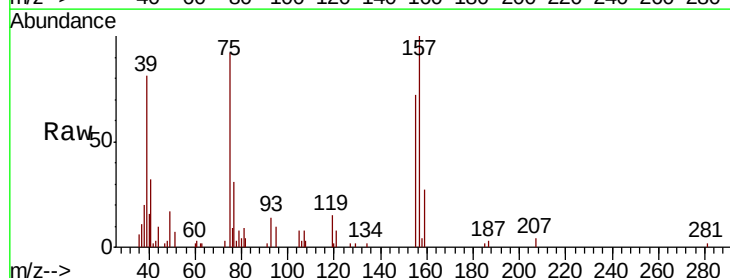
Tgt Ion: 75 Resp: 15817

Ion Ratio Lower Upper

75 100

155 77.5 50.1 150.3

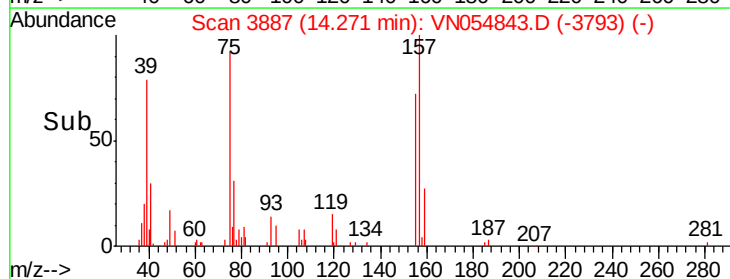
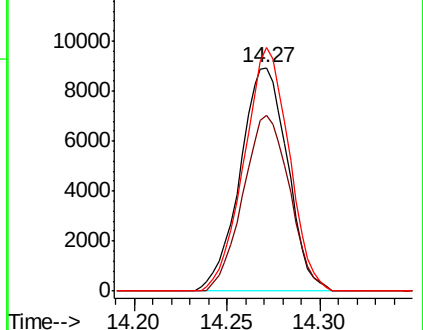
157 103.3 63.1 189.3

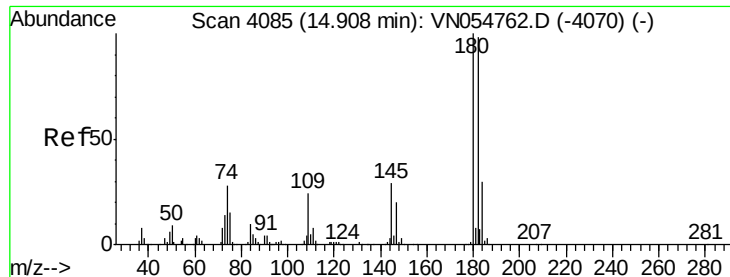


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 17.825 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

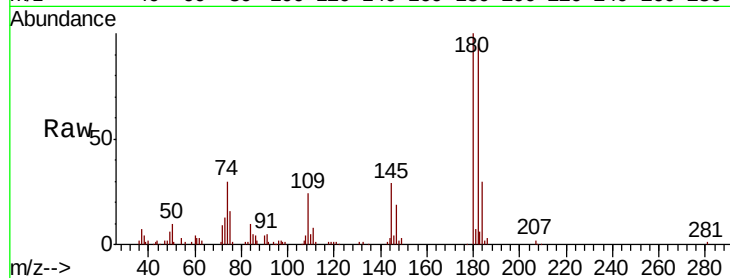
Tot Ion:180 Resp: 72225

Ion Ratio Lower Upper

180 100

182 97.0 48.0 144.2

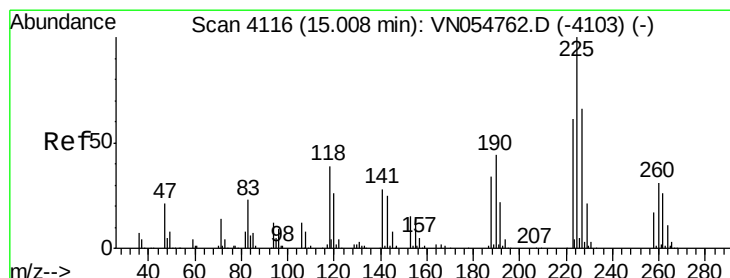
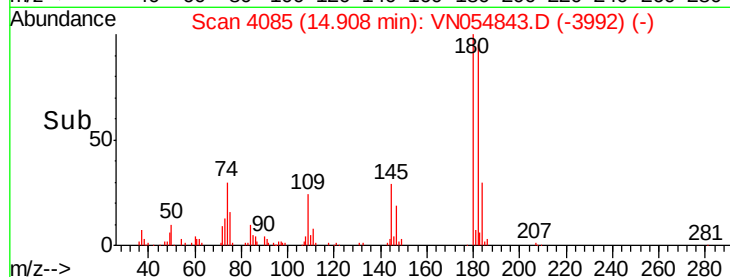
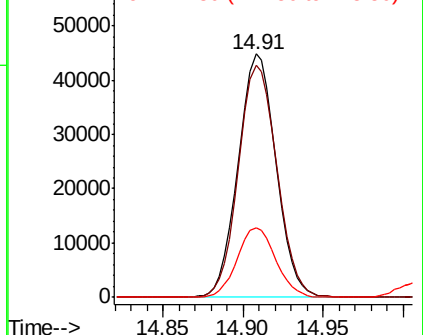
145 28.9 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.571 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

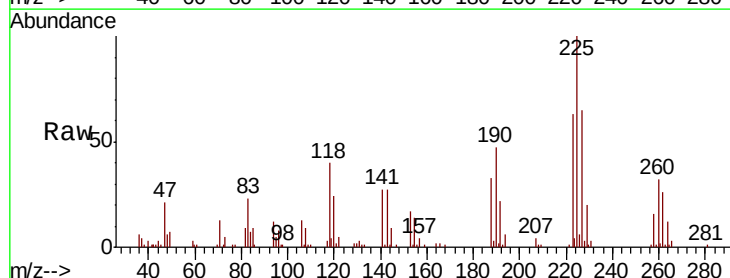
Tgt Ion:225 Resp: 52334

Ion Ratio Lower Upper

225 100

223 61.1 31.1 93.5

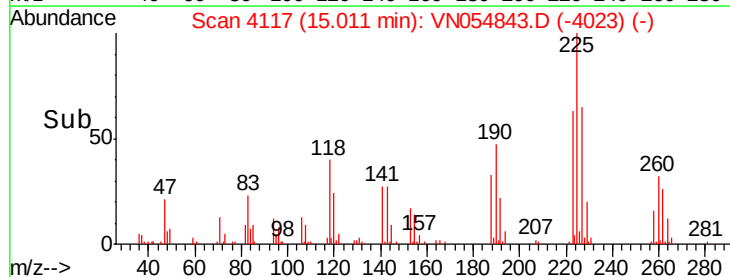
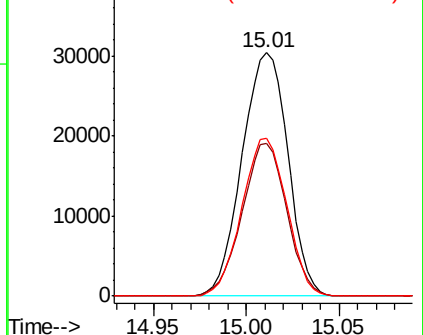
227 63.2 31.9 95.9

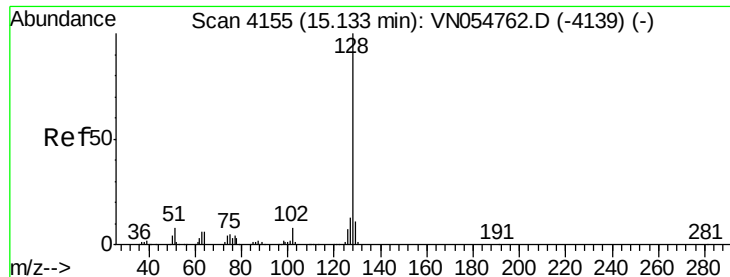


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

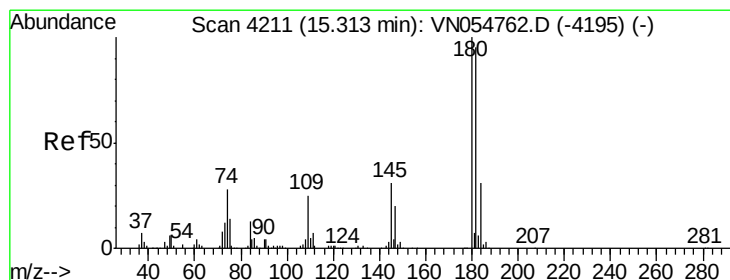
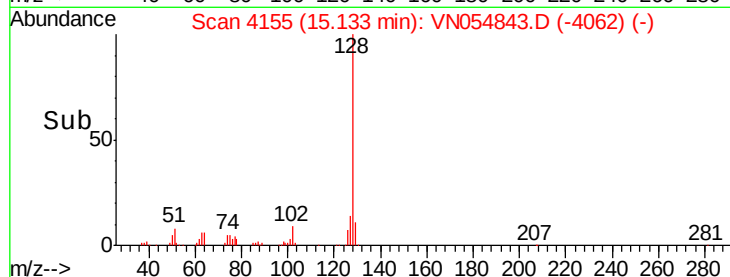
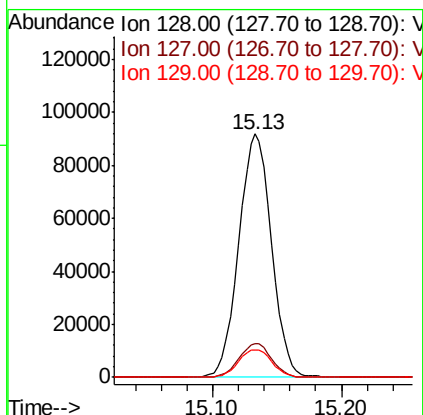
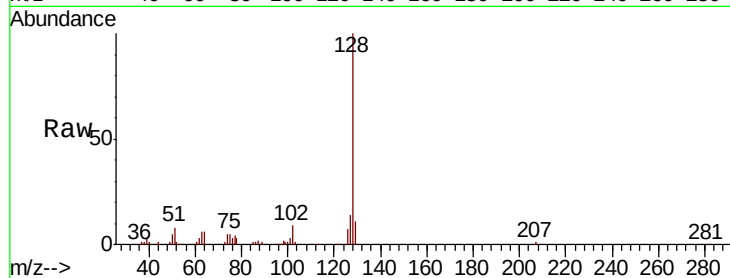




#95
Naphthalene
Concen: 17.784 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 161618
Ion Ratio Lower Upper
128 100
127 13.8 10.1 15.1
129 11.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.153 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion:180 Resp: 78378
Ion Ratio Lower Upper
180 100
182 92.5 47.5 142.6
145 29.1 14.8 44.3

