

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059109.D
 Acq On : 7 Nov 2019 9:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 08 01:13:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	537478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	849320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	765837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	360714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	328296	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
35) Dibromofluoromethane	7.56	113	256481	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	10.08	98	1017194	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.40	95	372627	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	250864	46.325	ug/l	100
3) Chloromethane	2.04	50	334615	45.456	ug/l	99
4) Vinyl Chloride	2.17	62	329857	46.219	ug/l	100
5) Bromomethane	2.54	94	192228	46.805	ug/l	99
6) Chloroethane	2.68	64	193496	45.833	ug/l	100
7) Trichlorofluoromethane	3.00	101	404748	47.414	ug/l	100
8) Diethyl Ether	3.38	74	168102	48.464	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	242039	47.025	ug/l	99
10) Methyl Iodide	3.92	142	319363	50.128	ug/l	99
11) Tert butyl alcohol	4.75	59	290114	230.405	ug/l	98
12) 1,1-Dichloroethene	3.71	96	235162	46.902	ug/l	98
13) Acrolein	3.58	56	146901	226.283	ug/l	98
14) Allyl chloride	4.29	41	487858	47.369	ug/l	98
15) Acrylonitrile	4.95	53	761174	242.908	ug/l	99
16) Acetone	3.79	43	937629	272.903	ug/l	98
17) Carbon Disulfide	4.03	76	701999	45.104	ug/l	100
18) Methyl Acetate	4.29	43	389260	47.732	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	847390	49.090	ug/l	99
20) Methylene Chloride	4.52	84	280330	46.834	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	256488	47.658	ug/l	98
22) Diisopropyl ether	5.92	45	951242	48.898	ug/l	99
23) Vinyl Acetate	5.86	43	3953050	262.195	ug/l	100
24) 1,1-Dichloroethane	5.82	63	525825	48.395	ug/l	99
25) 2-Butanone	6.80	43	1134905	250.634	ug/l	100
26) 2,2-Dichloropropane	6.80	77	447177	47.068	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	300812	48.178	ug/l	99
28) Bromochloromethane	7.17	49	157982	48.329	ug/l	99
29) Tetrahydrofuran	7.18	42	687633	238.996	ug/l	99
30) Chloroform	7.35	83	493220	47.321	ug/l	100
31) Cyclohexane	7.63	56	475200	46.199	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	425312	48.535	ug/l	99
36) 1,1-Dichloropropene	7.77	75	380682	47.953	ug/l	99
37) Ethyl Acetate	6.90	43	419835	47.538	ug/l	99
38) Carbon Tetrachloride	7.75	117	371281	46.989	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	454538	49.334	ug/l	100
40) Benzene	8.02	78	1148161	48.028	ug/l	99
41) Methacrylonitrile	7.18	41	598696	155.897	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	393445	47.986	ug/l	100
43) Isopropyl Acetate	8.14	43	673497	47.835	ug/l	99
44) Trichloroethene	8.81	130	282833	48.129	ug/l	99
45) 1,2-Dichloropropane	9.10	63	316748	48.781	ug/l	100
46) Dibromomethane	9.19	93	192065	47.467	ug/l	100
47) Bromodichloromethane	9.39	83	391890	48.502	ug/l	97
48) Methyl methacrylate	9.18	41	303568	48.202	ug/l	97
49) 1,4-Dioxane	9.18	88	104901	937.276	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	2067175	259.479	ug/l	99
52) Toluene	10.14	92	700988	48.922	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	458899	49.160	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	494321	49.229	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	273752	47.207	ug/l	99
56) Ethyl methacrylate	10.42	69	441135	45.774	ug/l	100
57) 1,3-Dichloropropane	10.70	76	482586	48.353	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	863597	267.595	ug/l	100
59) 2-Hexanone	10.74	43	1602993	262.151	ug/l	99
60) Dibromochloromethane	10.90	129	301711	49.210	ug/l	100
61) 1,2-Dibromoethane	11.00	107	283483	48.291	ug/l	99
64) Tetrachloroethene	10.62	164	247321	47.493	ug/l	98
65) Chlorobenzene	11.43	112	729330	48.853	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	274404	48.998	ug/l	99
67) Ethyl Benzene	11.51	91	1340774	50.619	ug/l	99
68) m/p-Xylenes	11.62	106	997239	100.508	ug/l	99
69) o-Xylene	11.94	106	473887	49.422	ug/l	99
70) Styrene	11.96	104	787870	52.245	ug/l	100
71) Bromoform	12.12	173	218290	50.111	ug/l #	100
73) Isopropylbenzene	12.25	105	1302094	49.625	ug/l	100
74) N-amyl acetate	12.07	43	560471	50.410	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	421933	47.220	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	562302	68.471	ug/l #	100
77) Bromobenzene	12.53	156	307251	46.608	ug/l	98
78) n-propylbenzene	12.59	91	1516512	50.478	ug/l	99
79) 2-Chlorotoluene	12.67	91	899971	48.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1108010	49.836	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	153902	49.499	ug/l	99
82) 4-Chlorotoluene	12.77	91	922932	49.374	ug/l	99
83) tert-Butylbenzene	12.99	119	925864	48.222	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1092344	50.782	ug/l	100
85) sec-Butylbenzene	13.17	105	1260742	50.489	ug/l	100
86) p-Isopropyltoluene	13.29	119	1142692	51.827	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	555358	49.197	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	547295	48.457	ug/l	100
89) n-Butylbenzene	13.62	91	1002769	51.964	ug/l	100
90) Hexachloroethane	13.88	117	210347	47.511	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	543030	48.901	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	84248	47.260	ug/l	100

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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

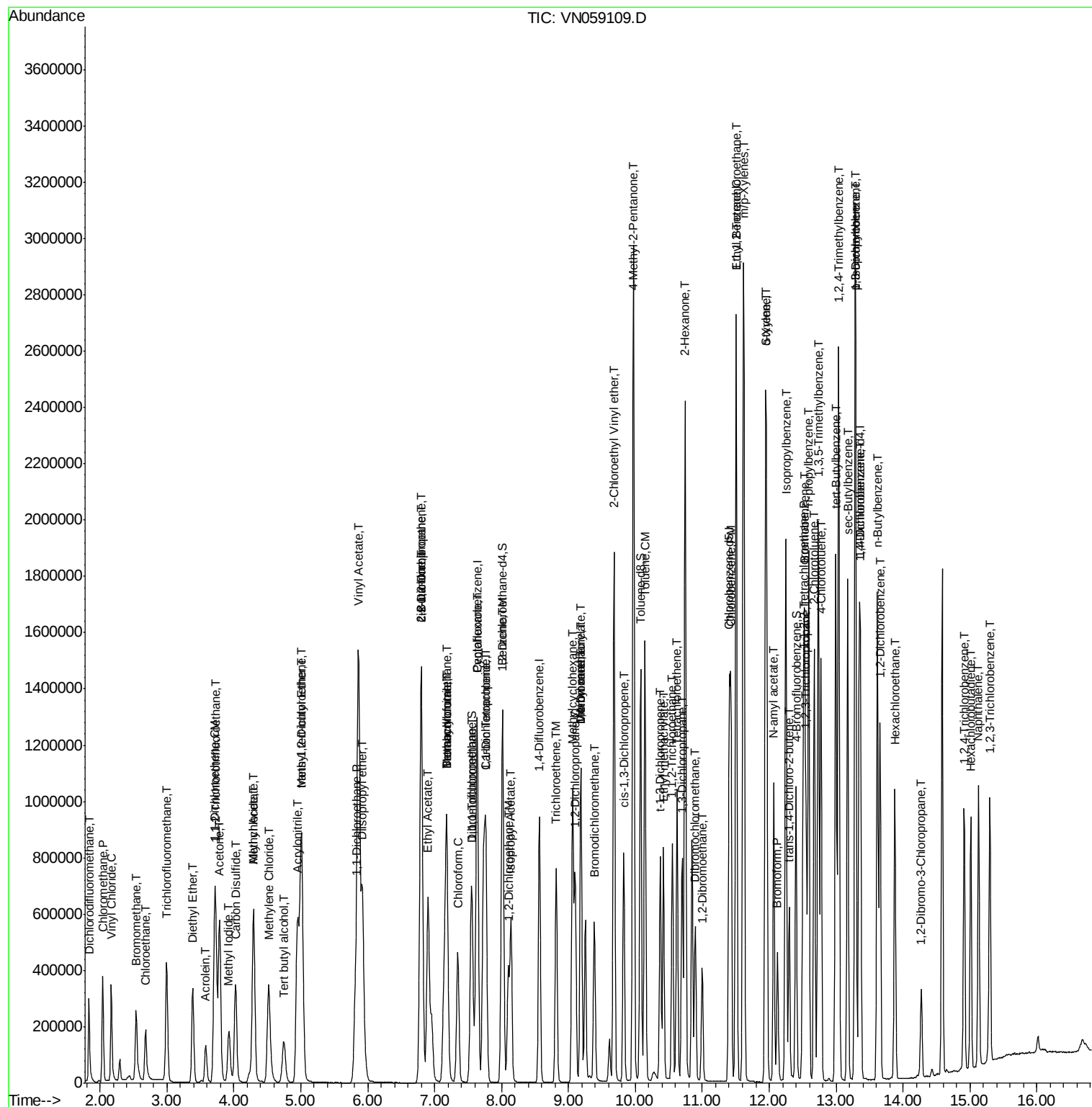
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	309017	46.118	ug/l	99
94) Hexachlorobutadiene	15.01	225	177747	46.422	ug/l	99
95) Naphthalene	15.13	128	822780	44.382	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	302129	48.548	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

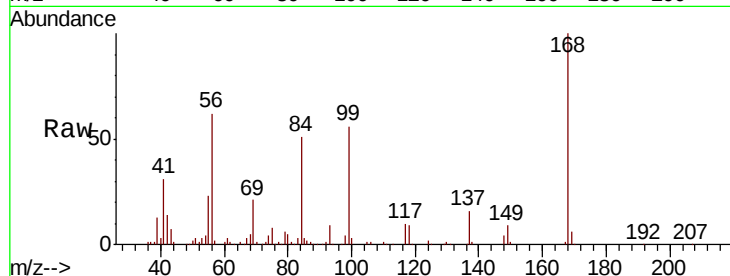
VSTDCCC050

Tot Ion:168 Resp: 537478

Ion Ratio Lower Upper

168 100

99 55.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

250000

200000

150000

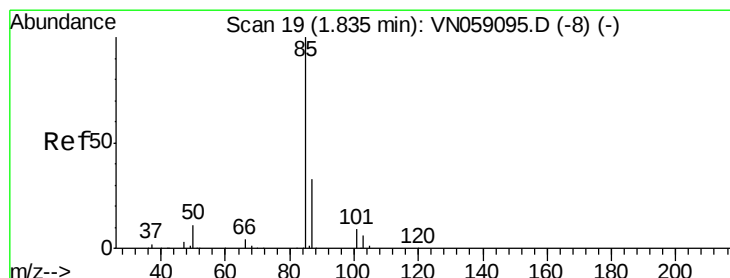
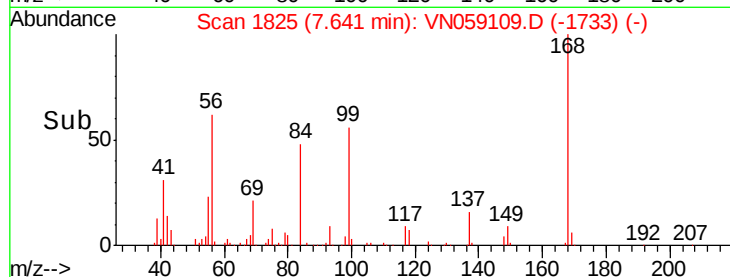
100000

50000

0

Time-->

7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 46.325 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059109.D

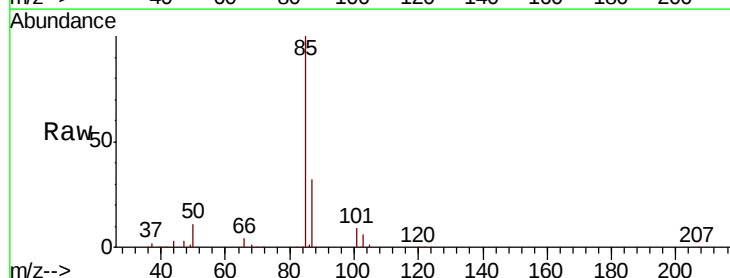
Acq: 7 Nov 2019 9:44

Tgt Ion: 85 Resp: 250864

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

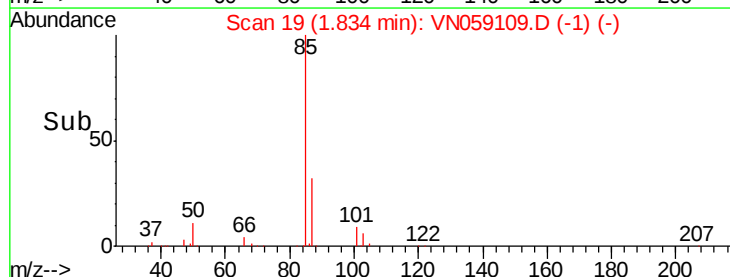
100000

50000

0

Time-->

1.80 1.90





#3

Chloromethane

Concen: 45.456 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

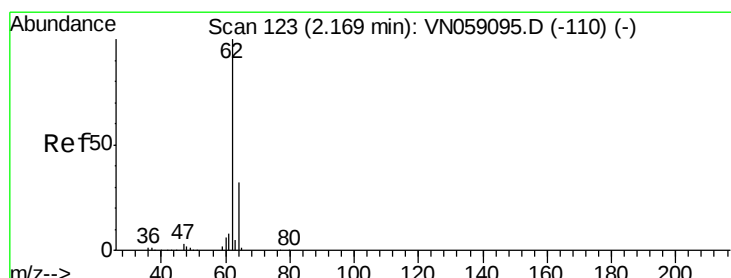
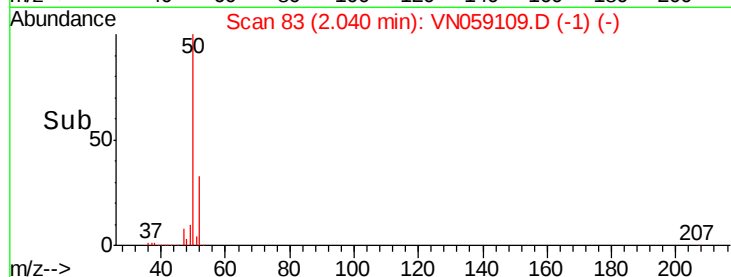
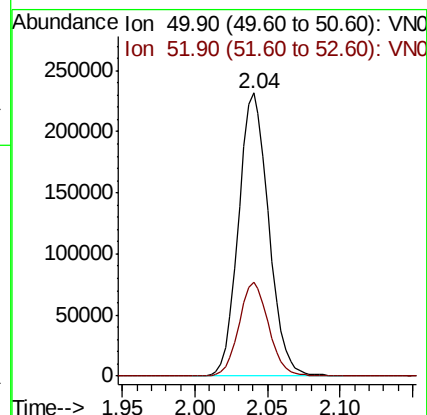
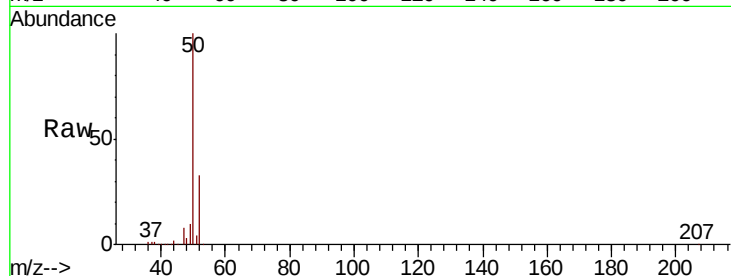
VSTDCCC050

Tot Ion: 50 Resp: 334615

Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0



#4

Vinyl Chloride

Concen: 46.219 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059109.D

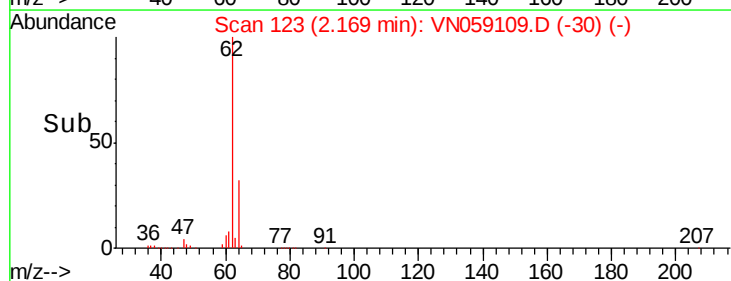
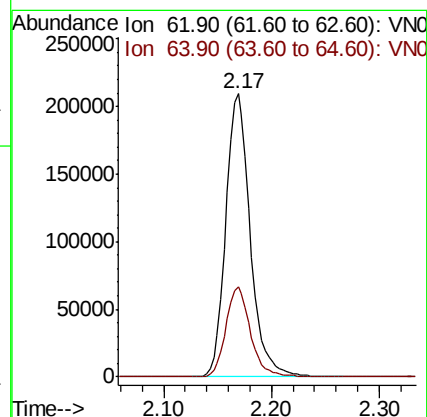
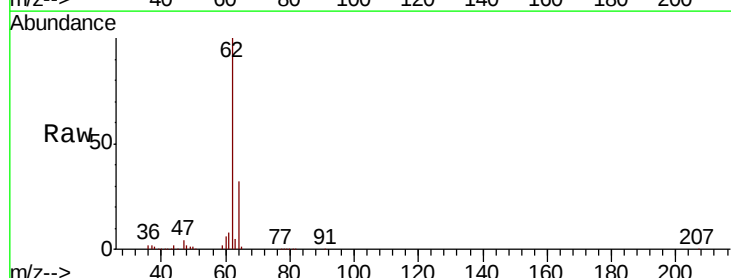
Acq: 7 Nov 2019 9:44

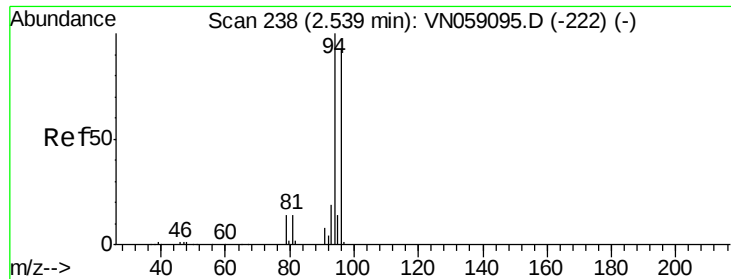
Tgt Ion: 62 Resp: 329857

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 46.805 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

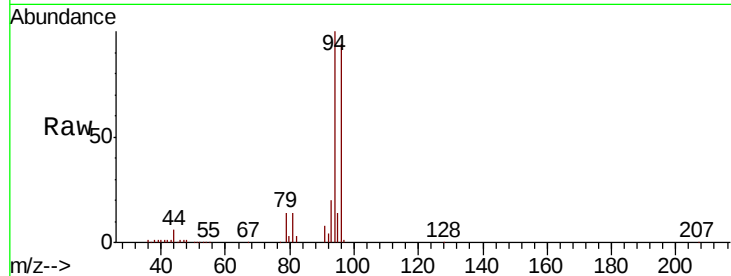
VSTDCCC050

Tot Ion: 94 Resp: 192228

Ion Ratio Lower Upper

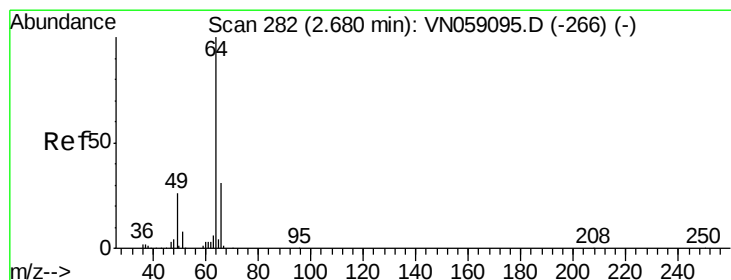
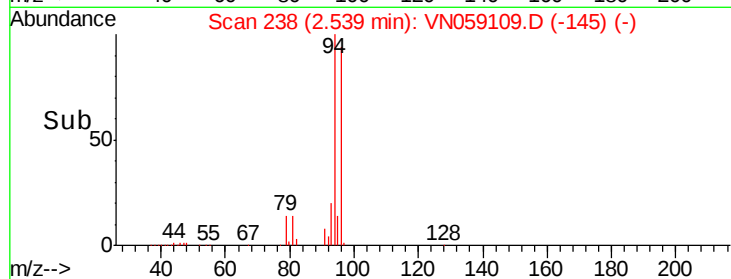
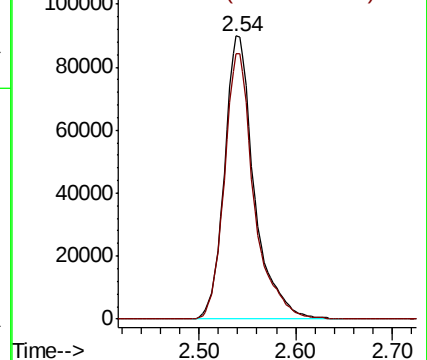
94 100

96 93.5 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VN059109.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN059109.D (-145) (-)



#6

Chloroethane

Concen: 45.833 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059109.D

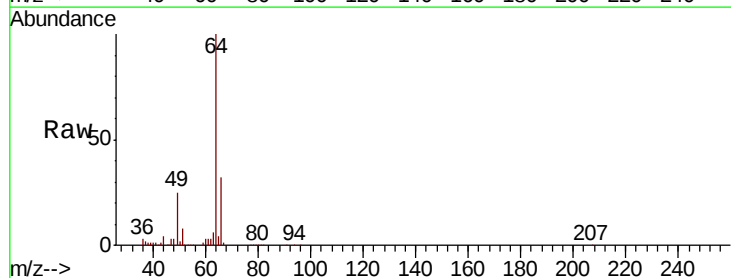
Acq: 7 Nov 2019 9:44

Tgt Ion: 64 Resp: 193496

Ion Ratio Lower Upper

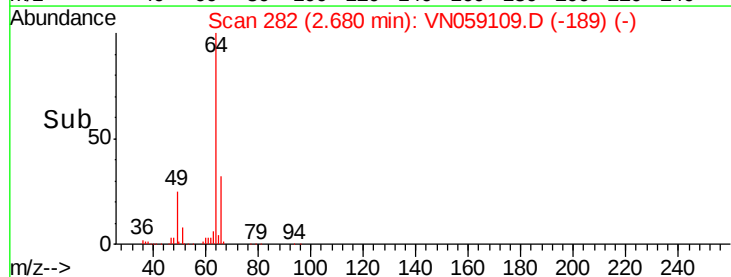
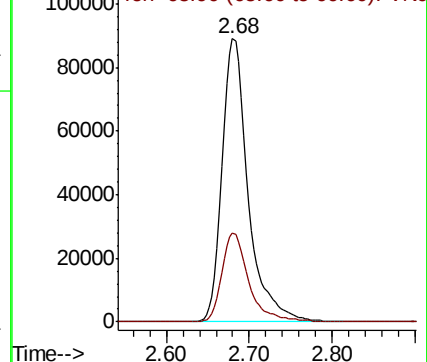
64 100

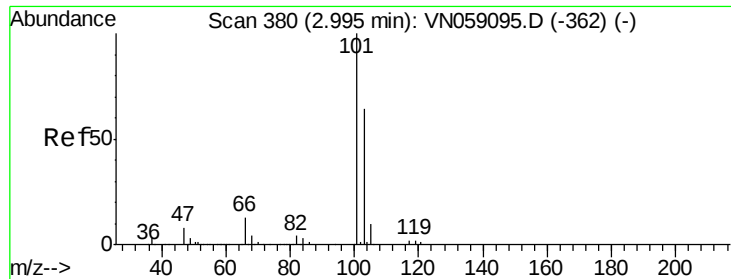
66 31.6 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN059109.D (-189) (-)

Ion 65.90 (65.60 to 66.60): VN059109.D (-189) (-)



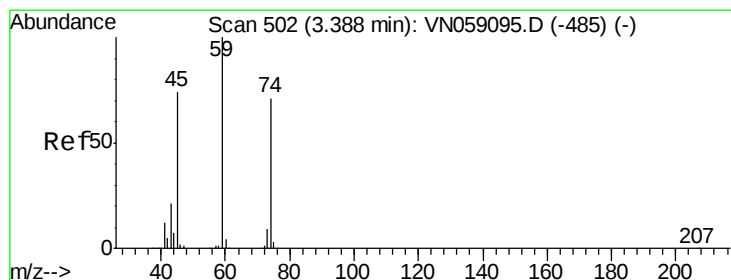
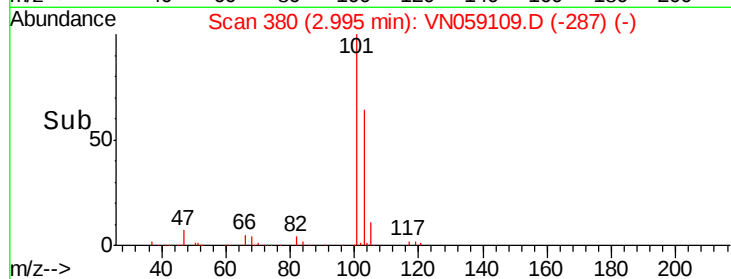
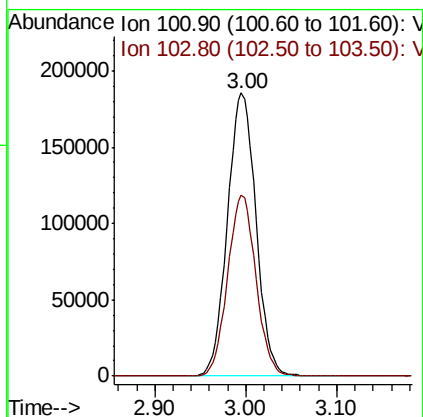
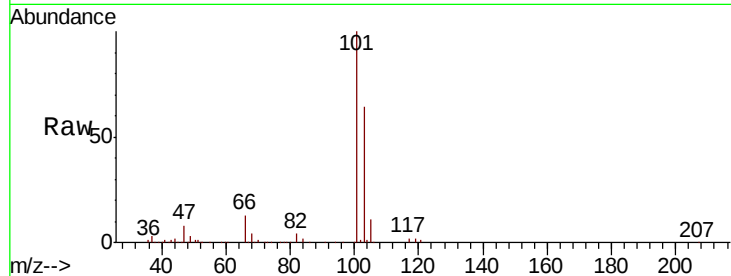


#7

Trichlorofluoromethane
 Concen: 47.414 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

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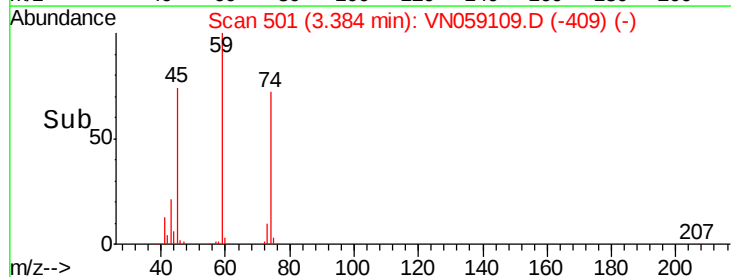
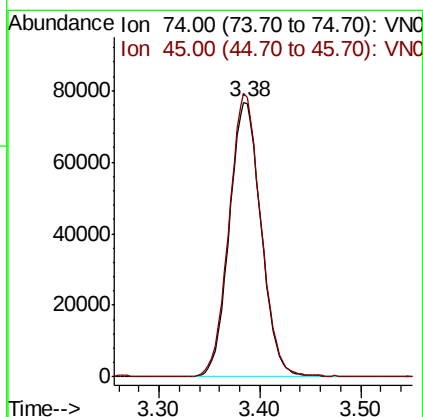
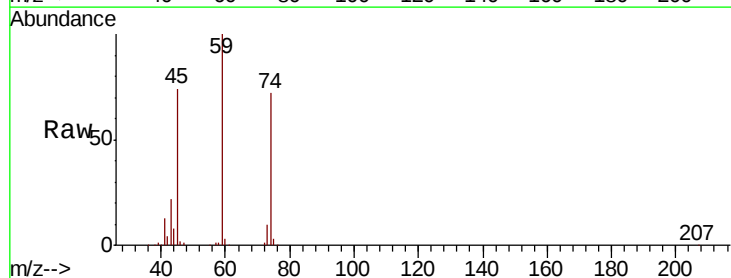
Tot Ion:101 Resp: 404748
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.2 76.8



#8

Diethyl Ether
 Concen: 48.464 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Tgt Ion: 74 Resp: 168102
 Ion Ratio Lower Upper
 74 100
 45 103.6 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.025 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

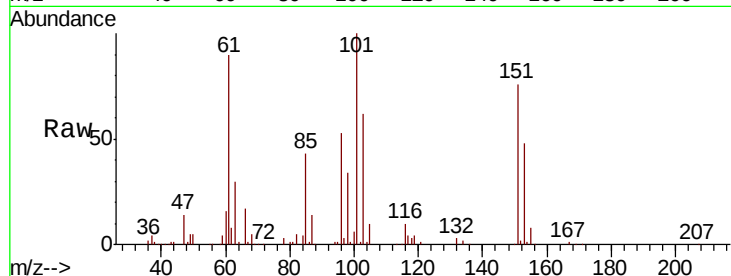
Tot Ion:101 Resp: 242039

Ion Ratio Lower Upper

101 100

85 43.5 35.5 53.3

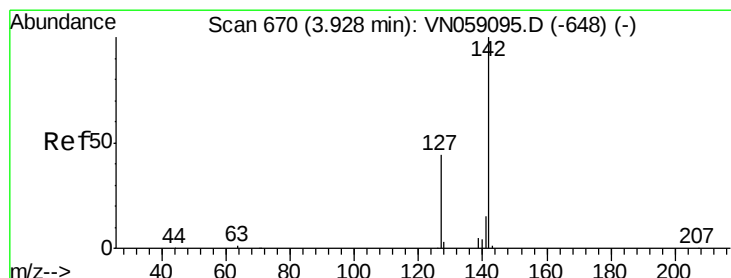
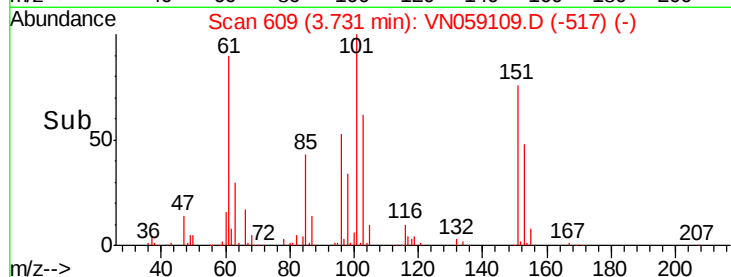
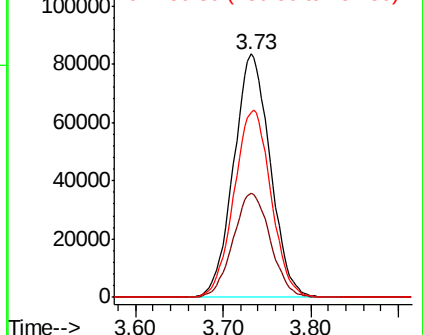
151 78.0 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.128 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

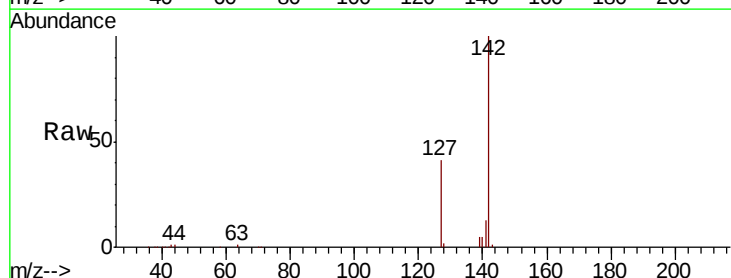
Tgt Ion:142 Resp: 319363

Ion Ratio Lower Upper

142 100

127 42.1 34.2 51.2

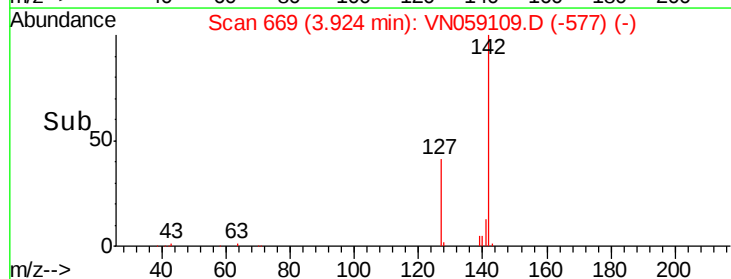
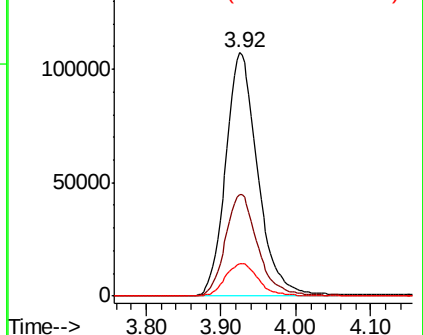
141 14.0 11.4 17.0

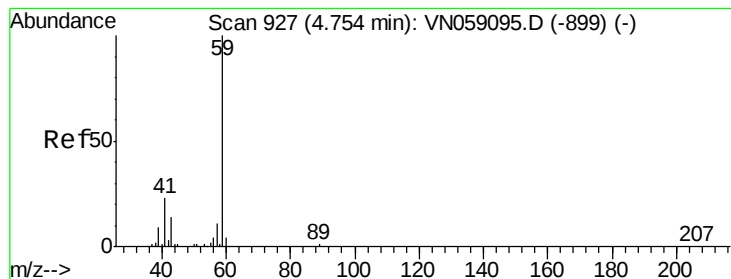


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 230.405 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

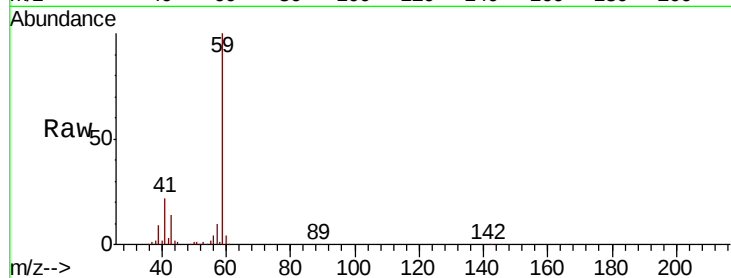
VSTDCCC050

Tot Ion: 59 Resp: 290114

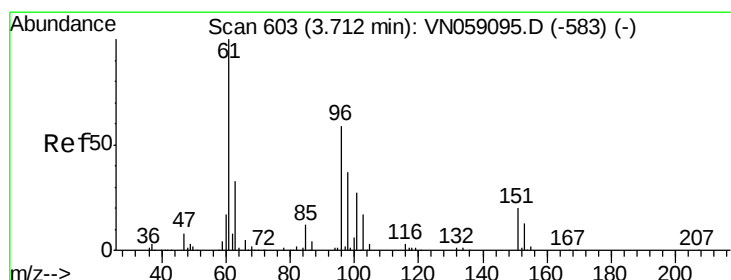
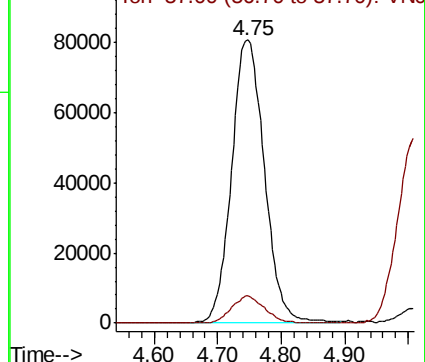
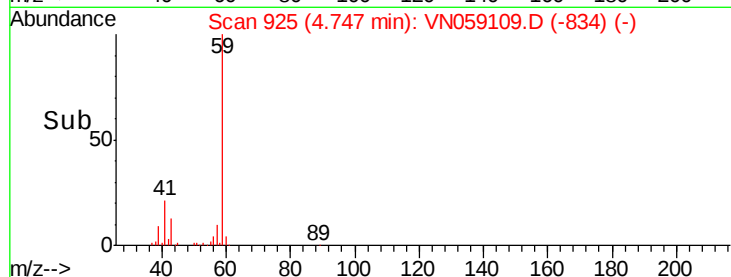
Ion Ratio Lower Upper

59 100

57 9.6 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VN059109.D (-834) (-)



#12

1,1-Dichloroethene

Concen: 46.902 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

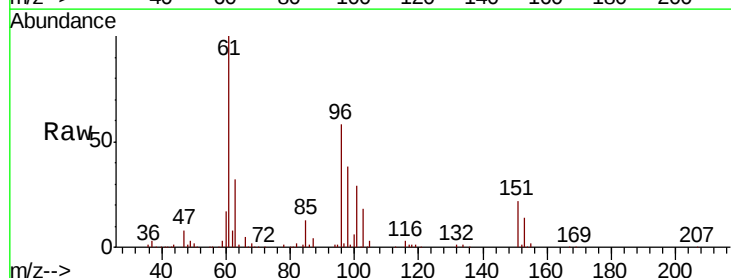
Tgt Ion: 96 Resp: 235162

Ion Ratio Lower Upper

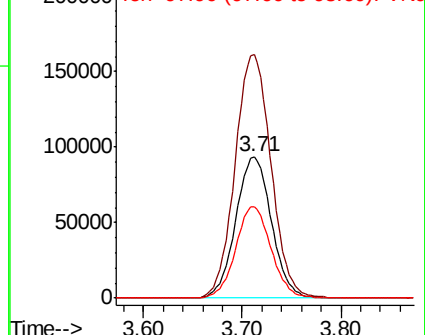
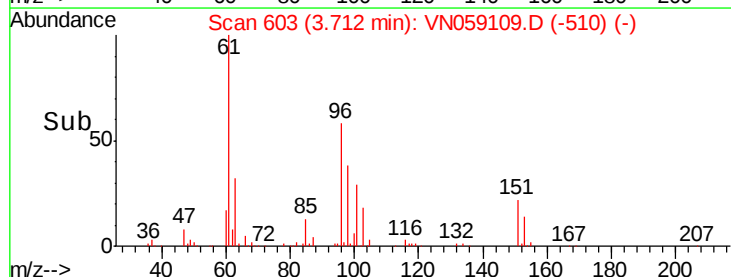
96 100

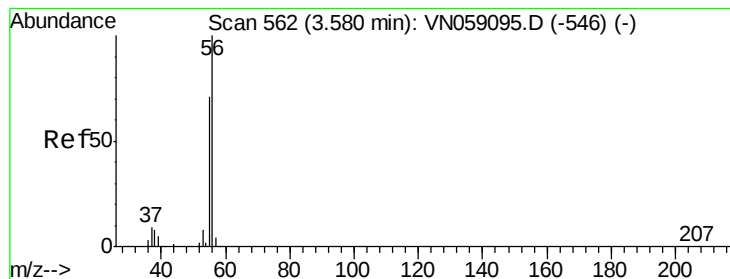
61 172.2 136.5 204.7

98 64.8 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VN059109.D (-510) (-)





#13

Acrolein

Concen: 226.283 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

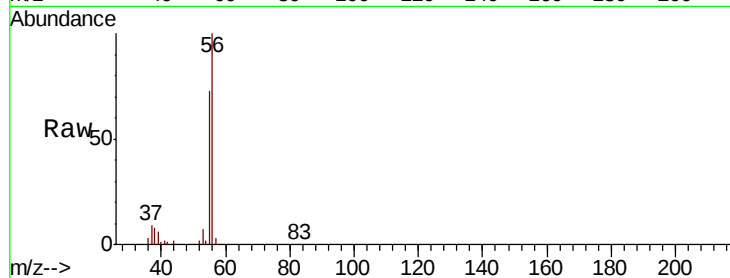
VSTDCCC050

Tot Ion: 56 Resp: 146901

Ion Ratio Lower Upper

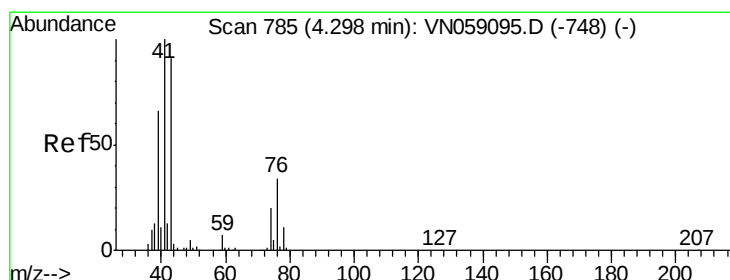
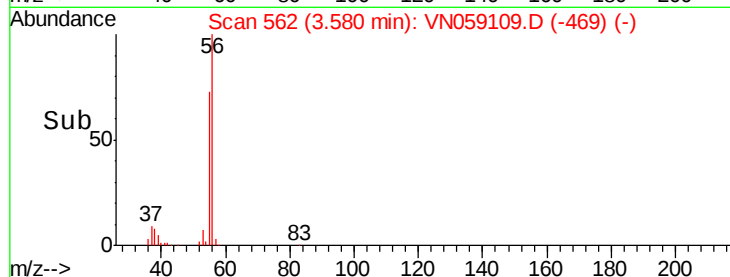
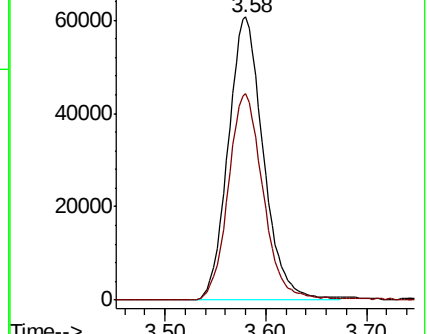
56 100

55 72.0 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.369 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

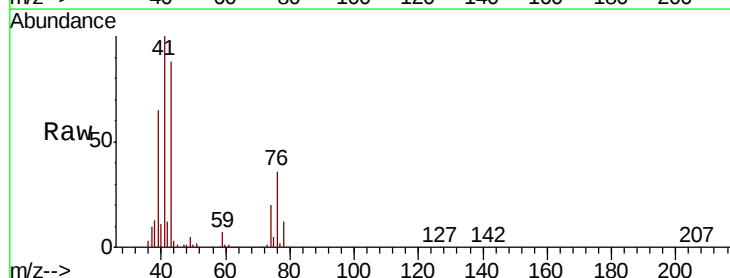
Tgt Ion: 41 Resp: 487858

Ion Ratio Lower Upper

41 100

39 59.9 49.1 73.7

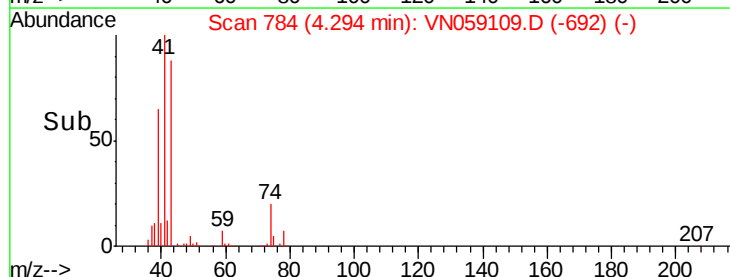
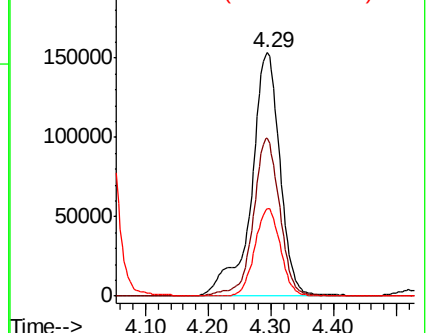
76 31.8 24.9 37.3

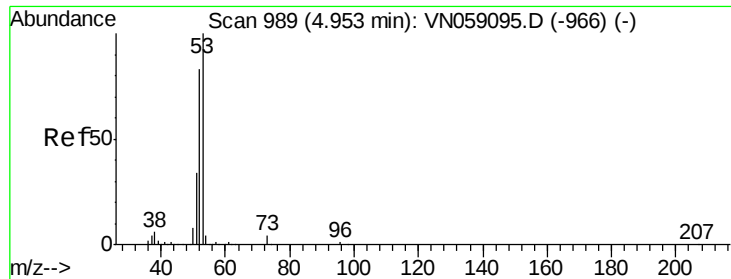


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 242.908 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

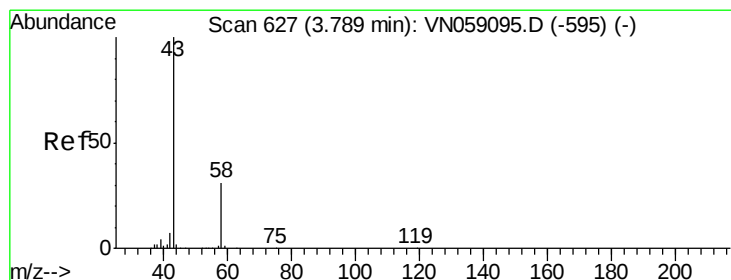
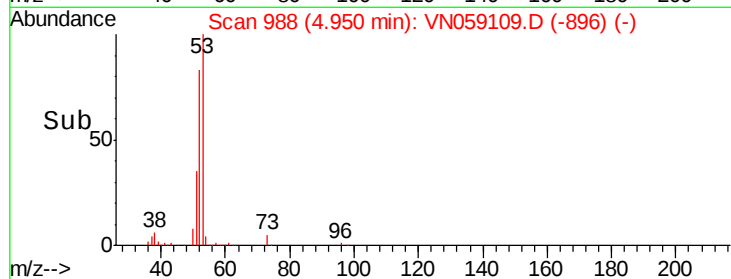
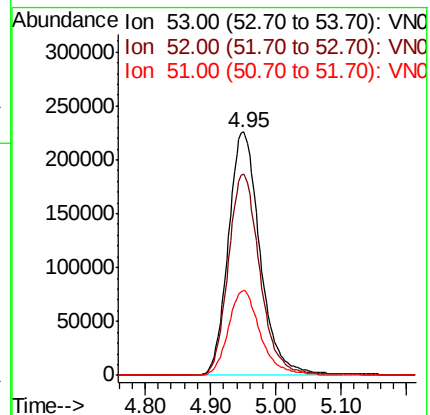
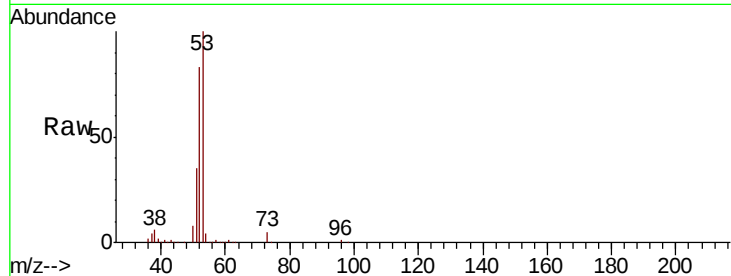
Tot Ion: 53 Resp: 761174

Ion Ratio Lower Upper

53 100

52 82.5 65.0 97.6

51 35.4 28.0 42.0



#16

Acetone

Concen: 272.903 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059109.D

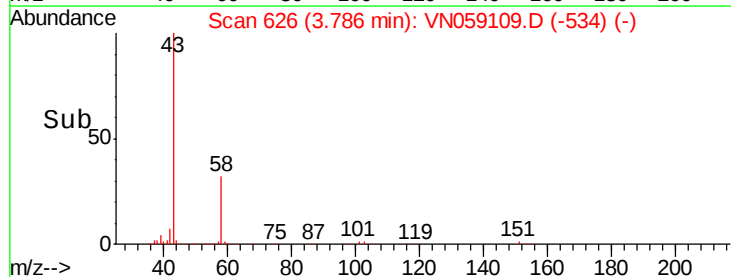
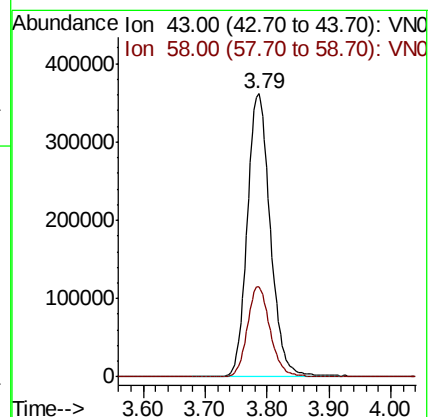
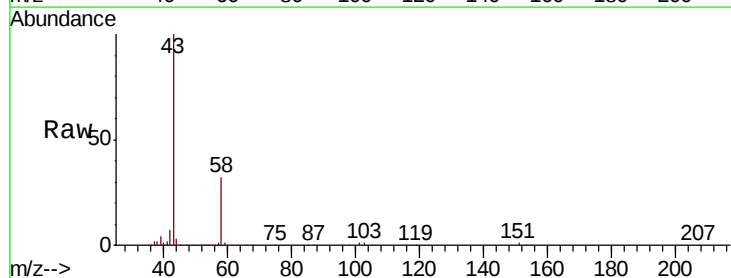
Acq: 7 Nov 2019 9:44

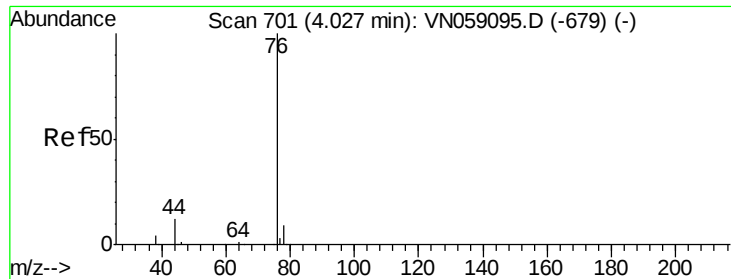
Tgt Ion: 43 Resp: 937629

Ion Ratio Lower Upper

43 100

58 31.9 24.9 37.3

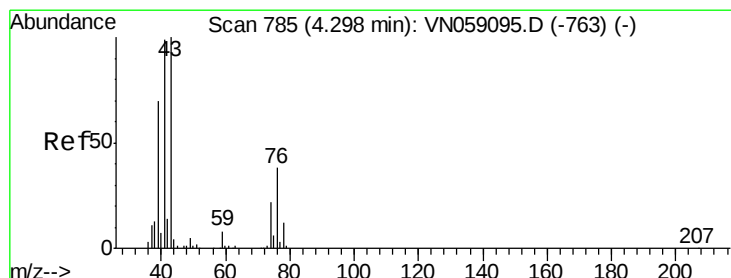
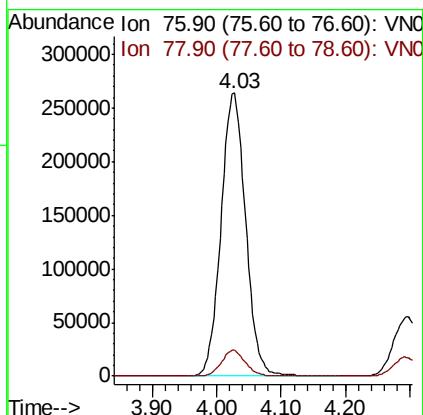
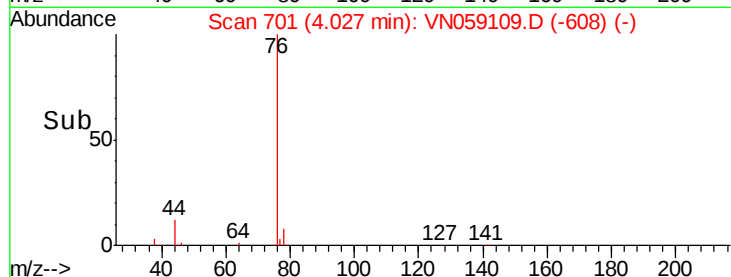
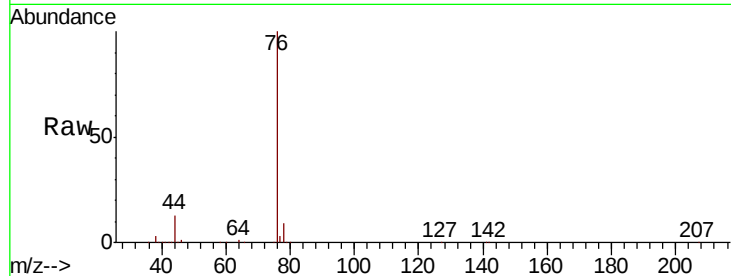




#17
Carbon Disulfide
Concen: 45.104 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

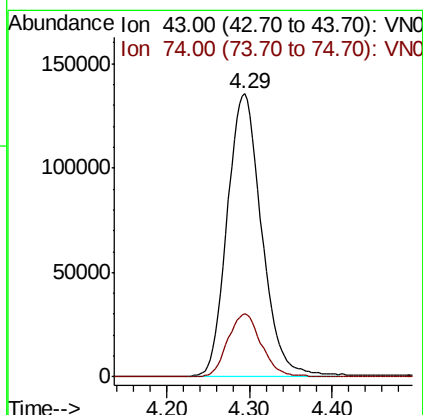
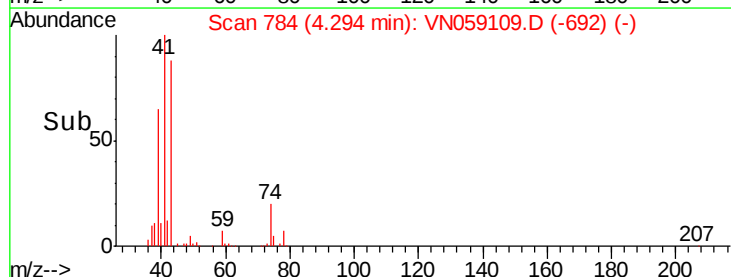
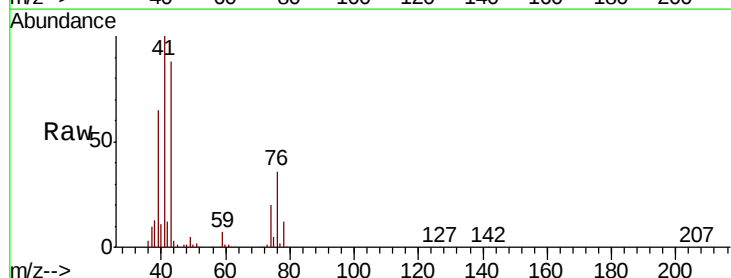
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

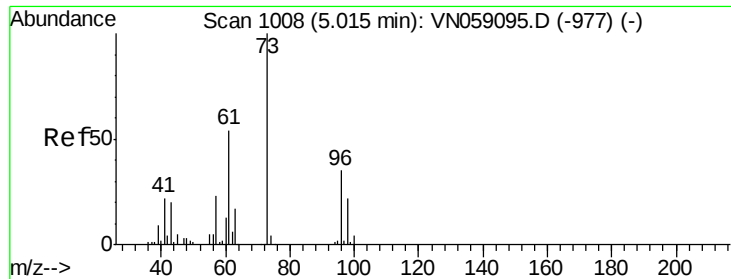
Tot Ion: 76 Resp: 701999
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 47.732 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion: 43 Resp: 389260
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.8

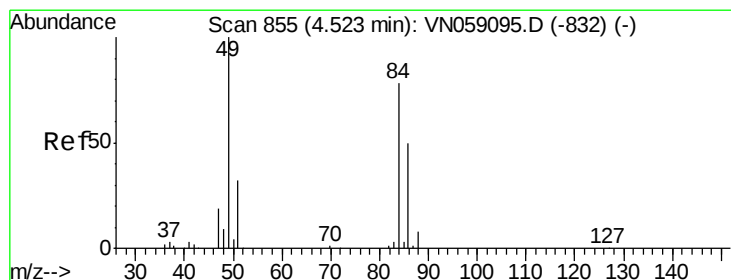
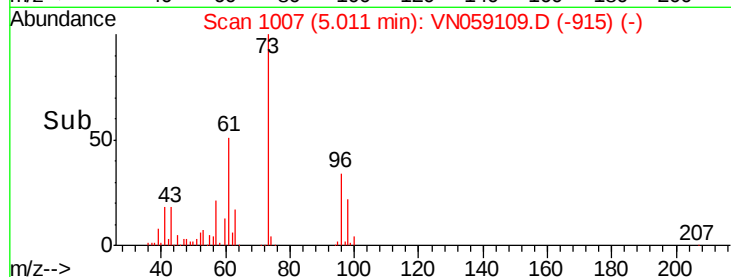
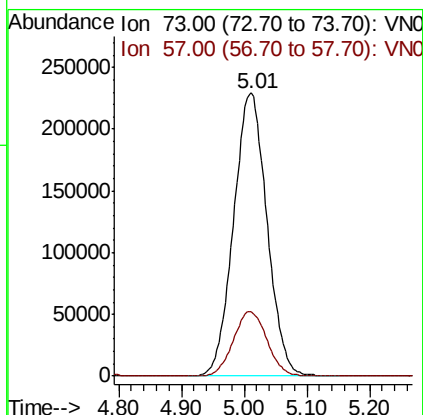
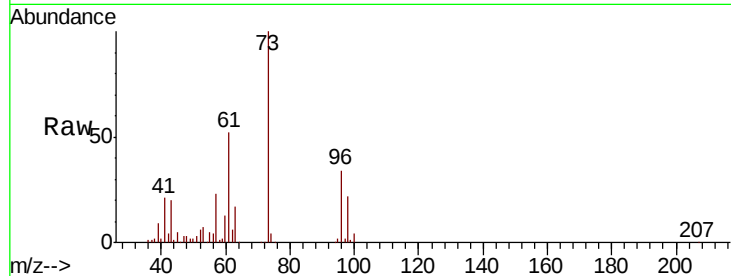




#19
Methvl tert-butvl Ether
Concen: 49.090 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

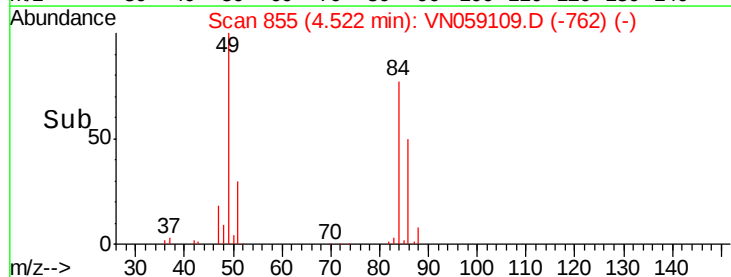
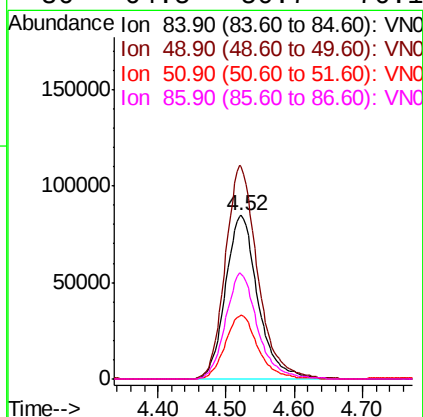
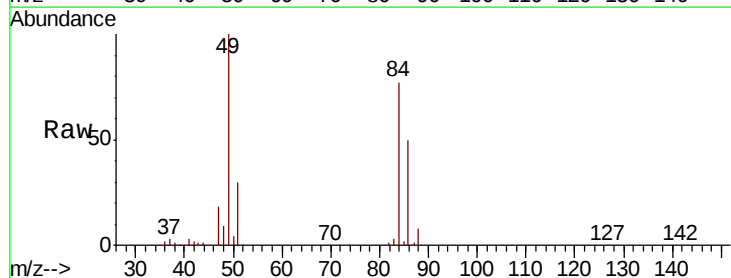
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

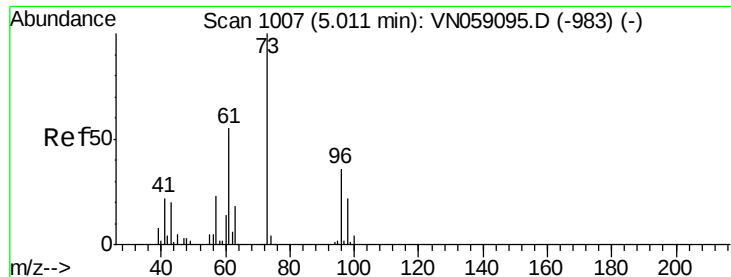
Tot Ion: 73 Resp: 847390
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6



#20
Methylene Chloride
Concen: 46.834 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion: 84 Resp: 280330
Ion Ratio Lower Upper
84 100
49 129.6 102.0 153.0
51 39.0 32.2 48.2
86 64.5 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 47.658 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

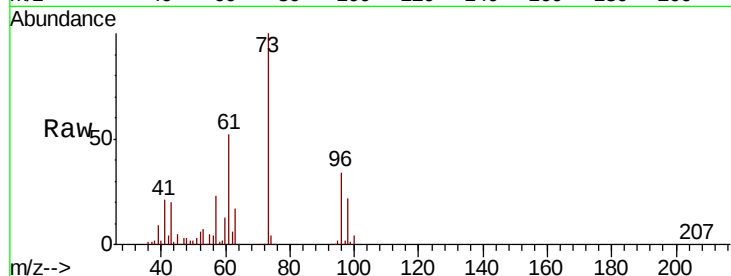
Tot Ion: 96 Resp: 256488

Ion Ratio Lower Upper

96 100

61 149.4 122.6 183.8

98 63.8 50.3 75.5

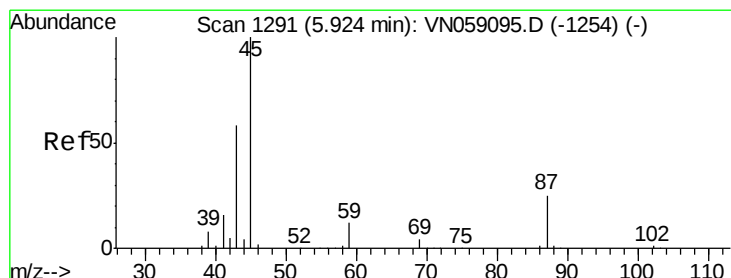
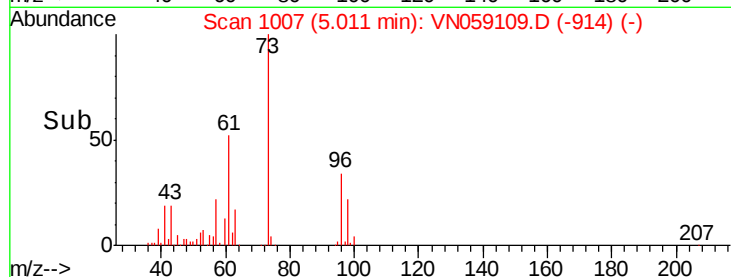
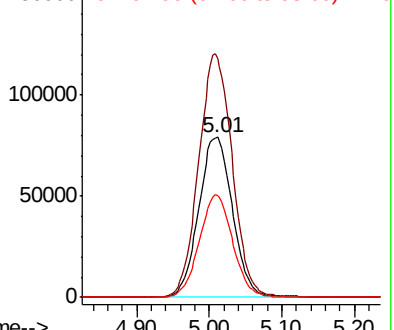


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 48.898 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Tgt Ion: 45 Resp: 951242

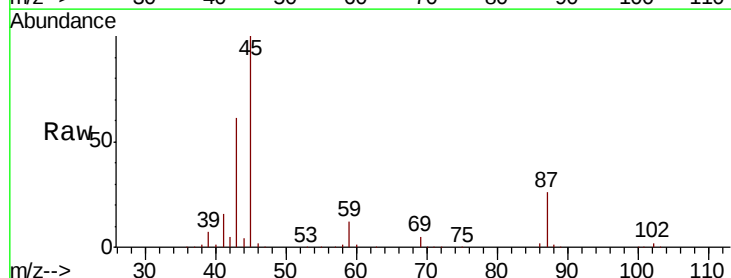
Ion Ratio Lower Upper

45 100

43 59.9 46.7 70.1

87 25.8 20.5 30.7

59 11.5 9.6 14.4



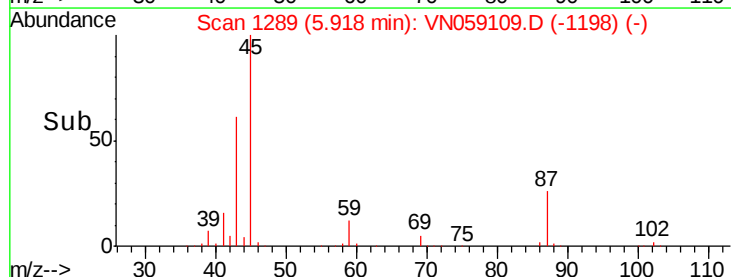
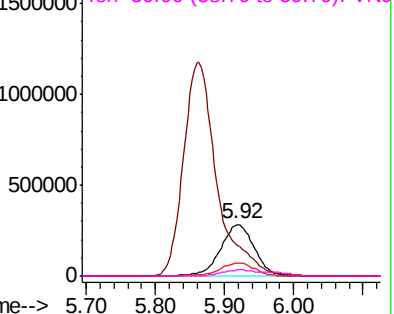
Abundance

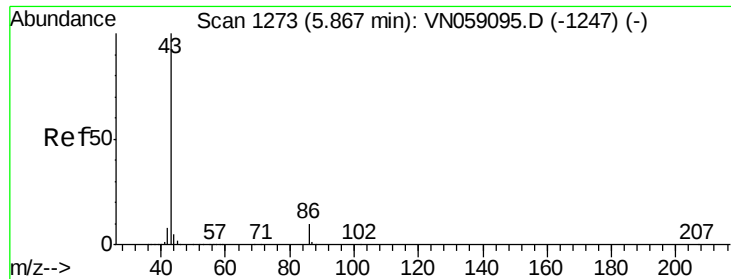
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO

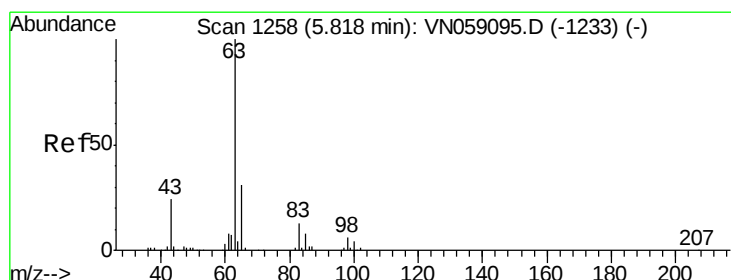
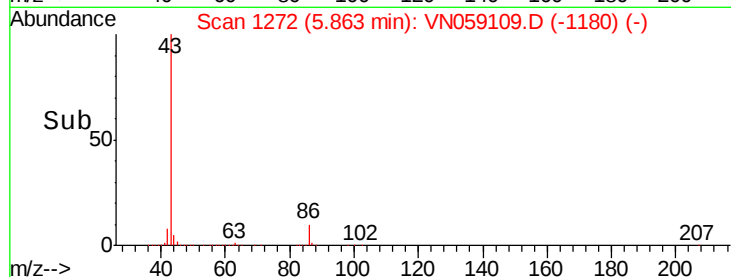
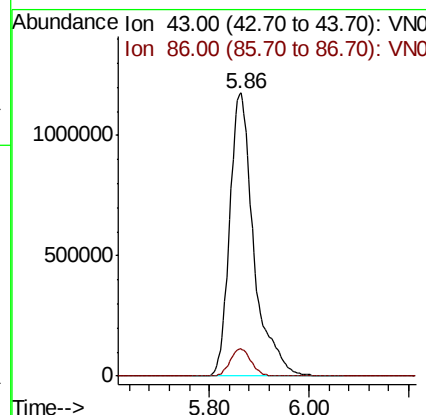
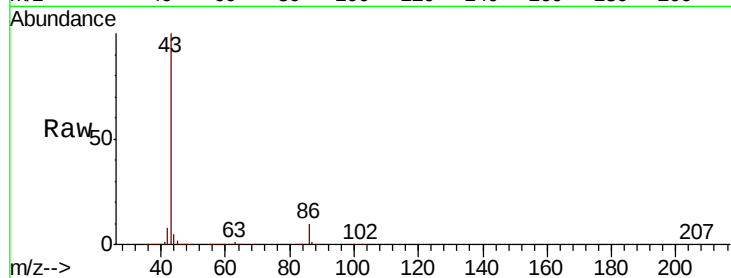




#23
 Vinyl Acetate
 Concen: 262.195 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

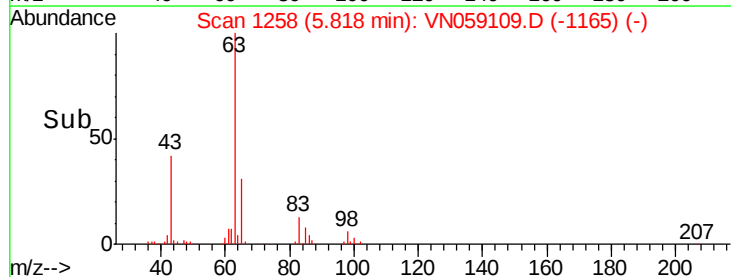
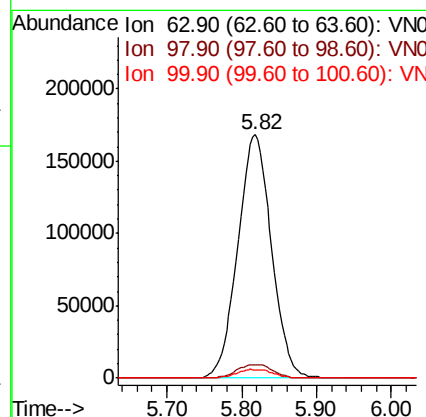
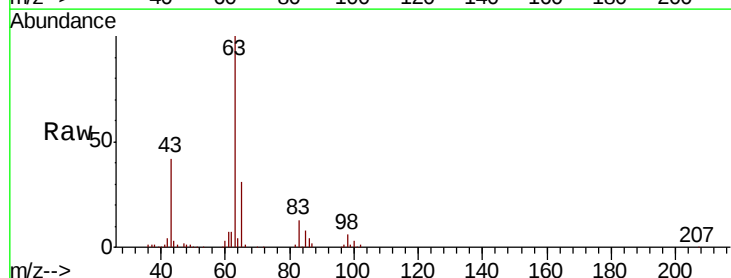
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

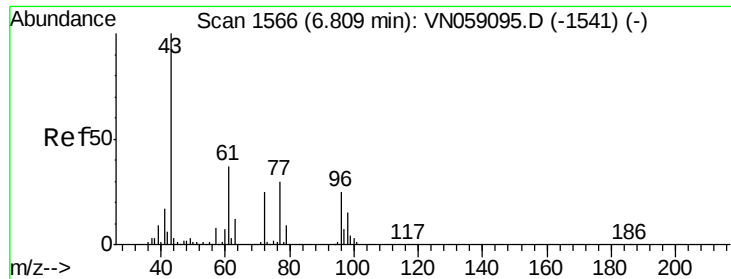
Tot Ion: 43 Resp: 3953050
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 48.395 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Tgt Ion: 63 Resp: 525825
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.8 8.4
 100 3.3 1.9 5.7





#25

2-Butanone

Concen: 250.634 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

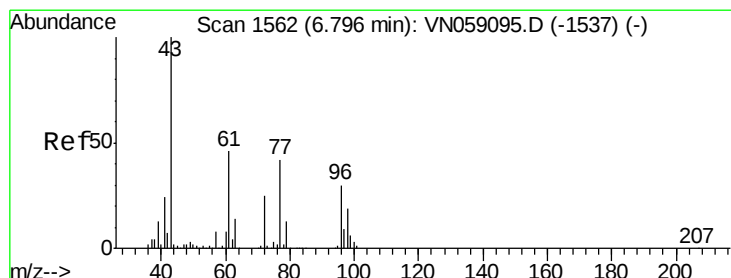
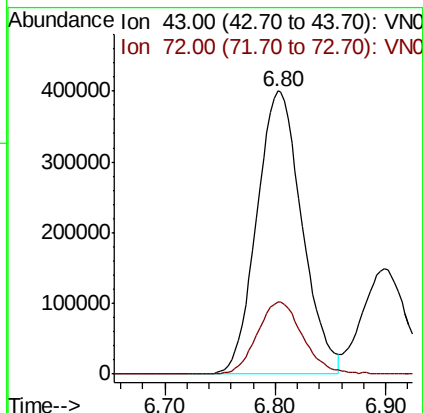
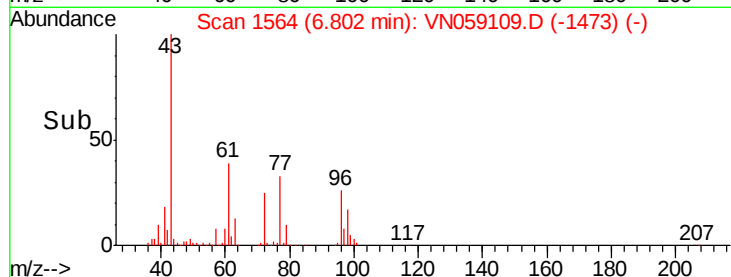
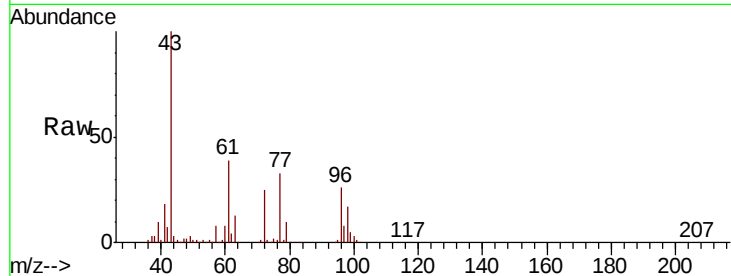
VSTDCCC050

Tot Ion: 43 Resp: 1134905

Ion Ratio Lower Upper

43 100

72 25.5 20.3 30.5



#26

2,2-Dichloropropane

Concen: 47.068 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059109.D

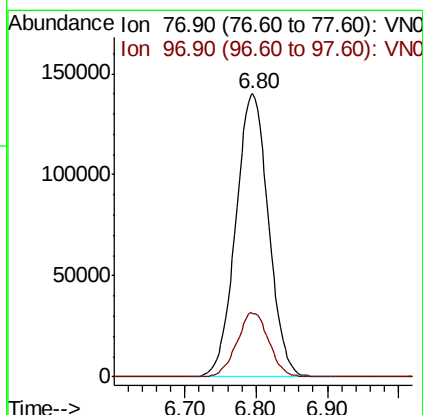
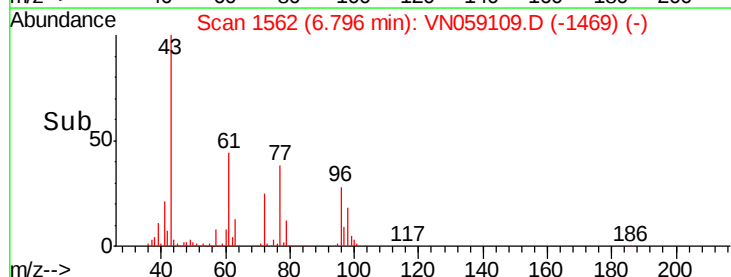
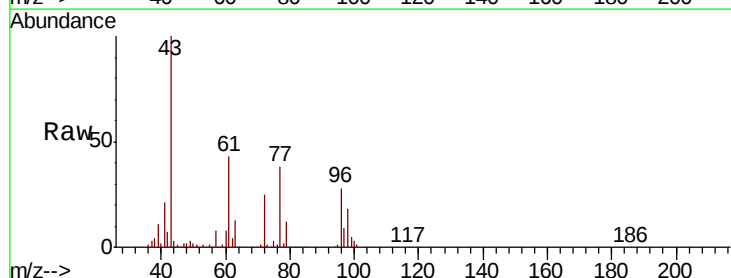
Acq: 7 Nov 2019 9:44

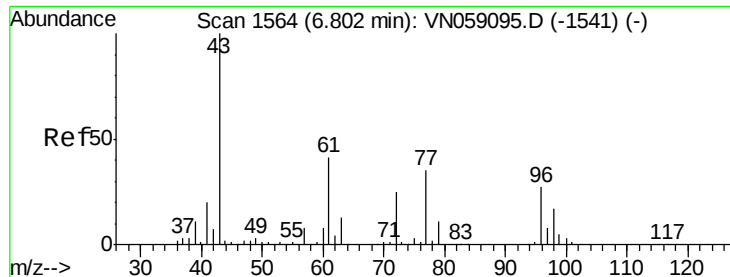
Tgt Ion: 77 Resp: 447177

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 48.178 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

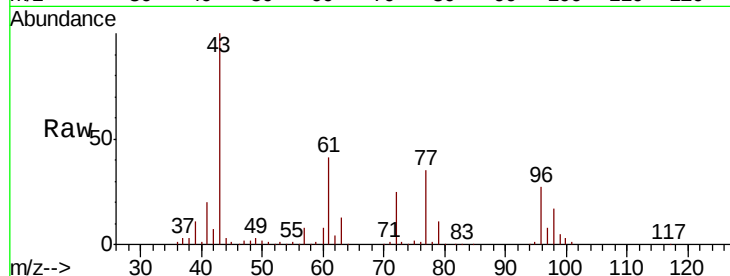
Tot Ion: 96 Resp: 300812

Ion Ratio Lower Upper

96 100

61 156.7 0.0 311.6

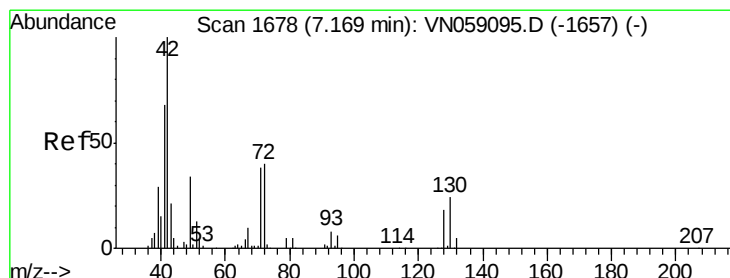
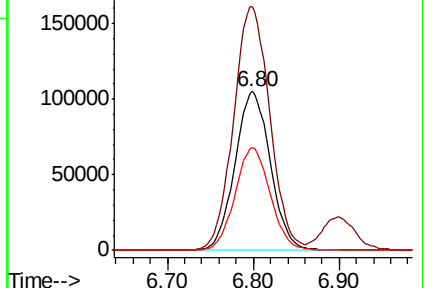
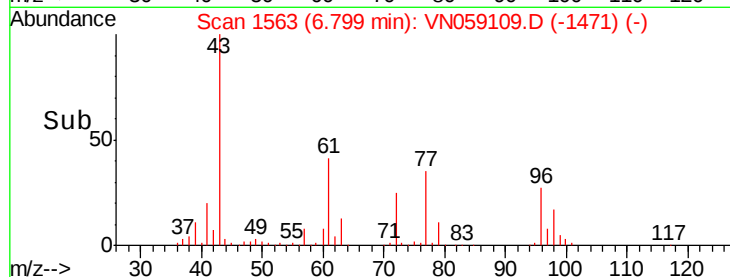
98 64.4 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059109.D (-1471) (-)

Ion 60.90 (60.60 to 61.60): VN059109.D (-1471) (-)

Ion 97.90 (97.60 to 98.60): VN059109.D (-1471) (-)



#28

Bromochloromethane

Concen: 48.329 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

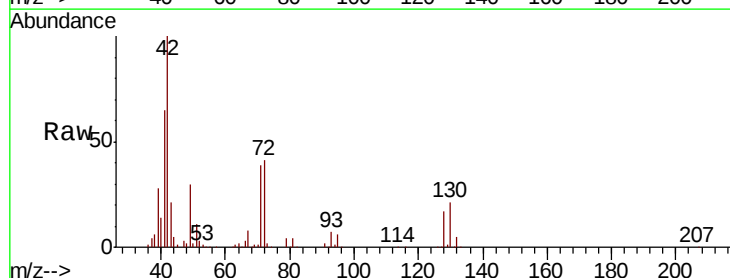
Tgt Ion: 49 Resp: 157982

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

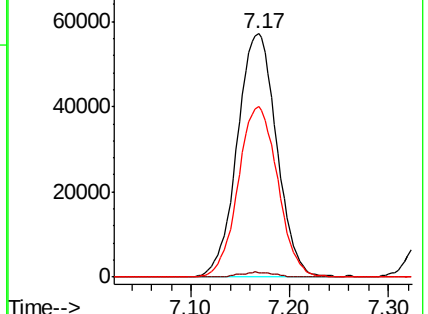
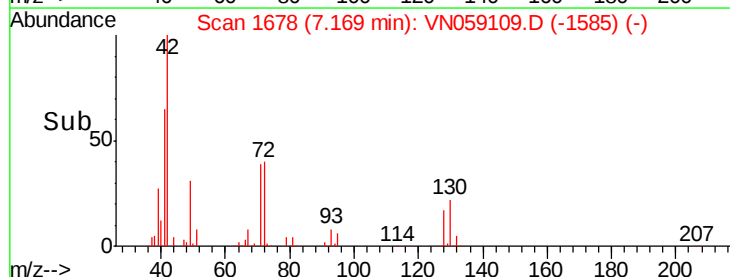
130 70.2 55.6 83.4

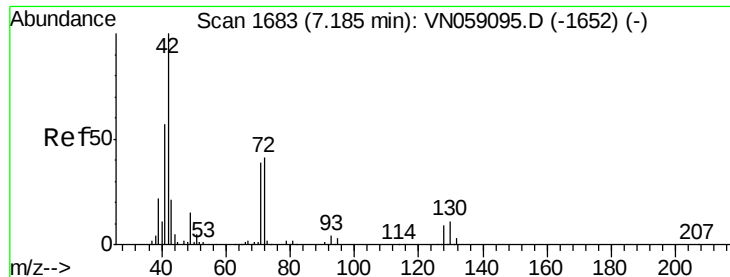


Abundance Ion 48.90 (48.60 to 49.60): VN059109.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059109.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059109.D (-1585) (-)





#29

Tetrahydrofuran

Concen: 238.996 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

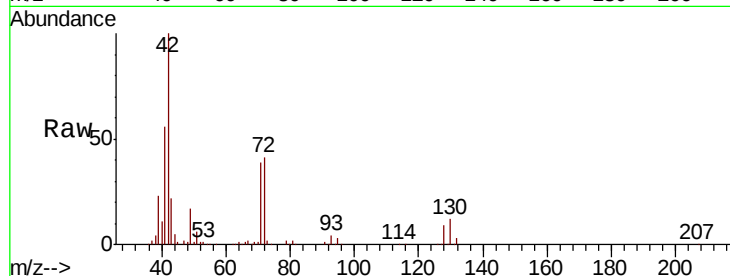
Tot Ion: 42 Resp: 687633

Ion Ratio Lower Upper

42 100

72 41.6 33.1 49.7

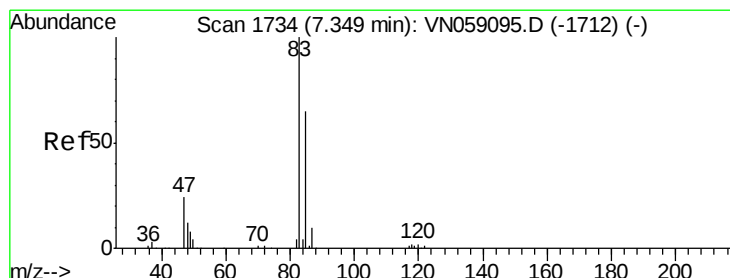
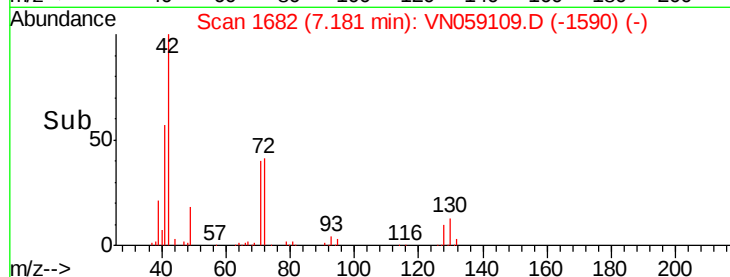
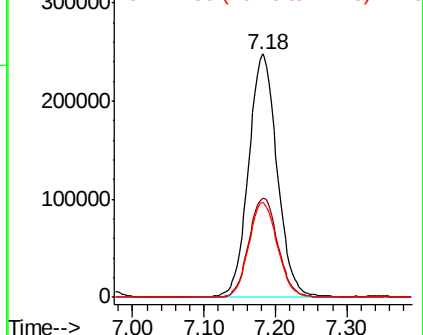
71 39.3 30.9 46.3



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: 47.321 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059109.D

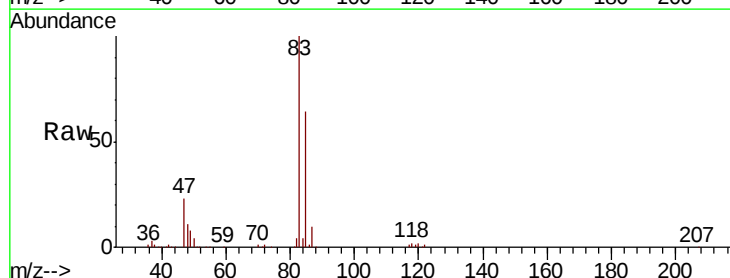
Acq: 7 Nov 2019 9:44

Tgt Ion: 83 Resp: 493220

Ion Ratio Lower Upper

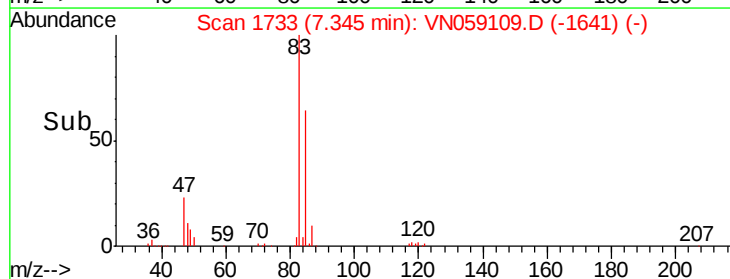
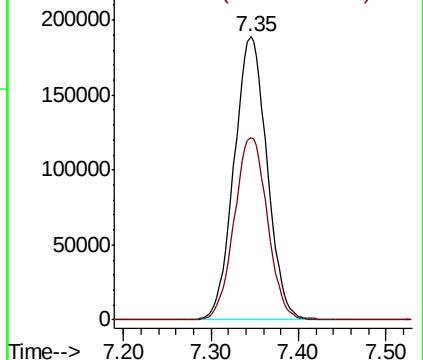
83 100

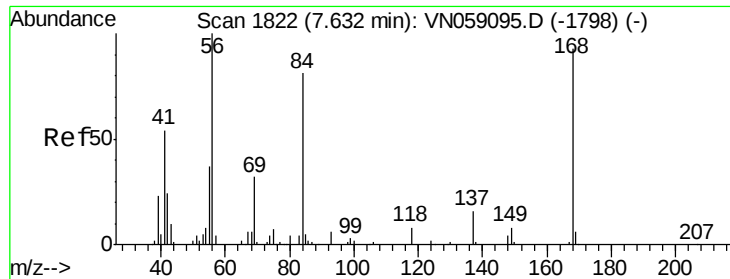
85 64.4 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

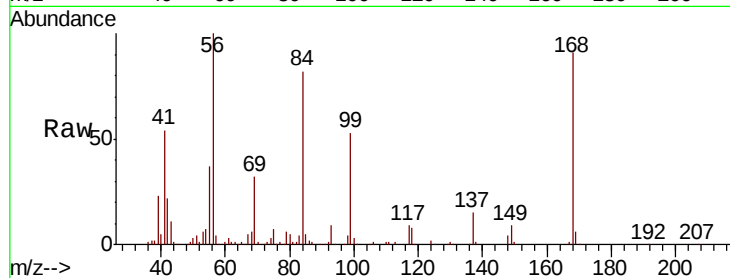




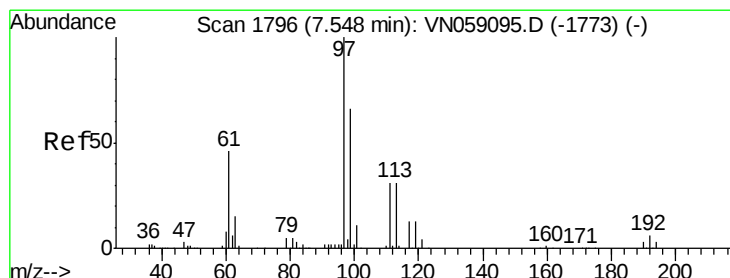
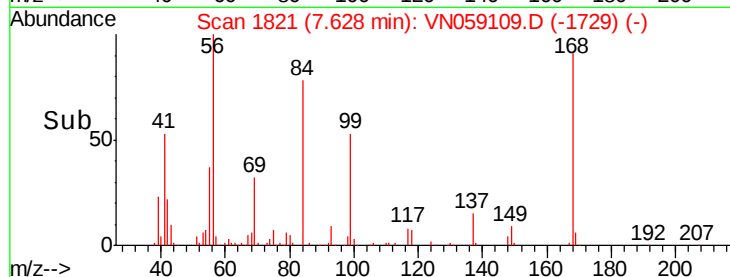
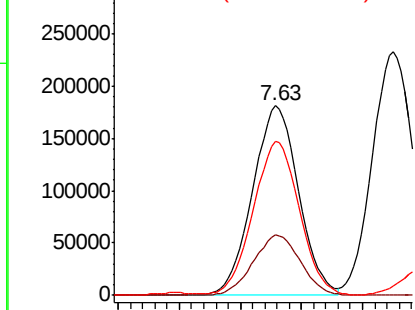
#31
Cyclohexane
Concen: 46.199 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 475200
Ion Ratio Lower Upper
56 100
69 31.9 25.8 38.8
84 80.6 65.0 97.4

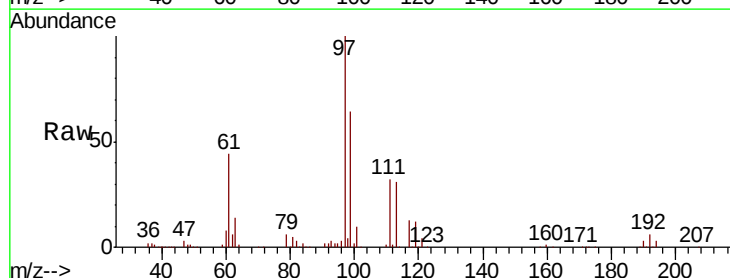


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

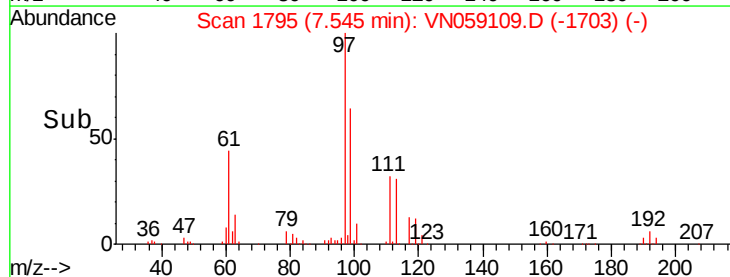
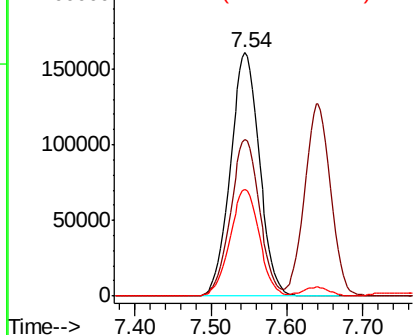


#32
1,1,1-Trichloroethane
Concen: 48.535 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion: 97 Resp: 425312
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.6
61 44.4 35.8 53.8



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





#33

1,2-Dichloroethane-d4

Concen: 49.689 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

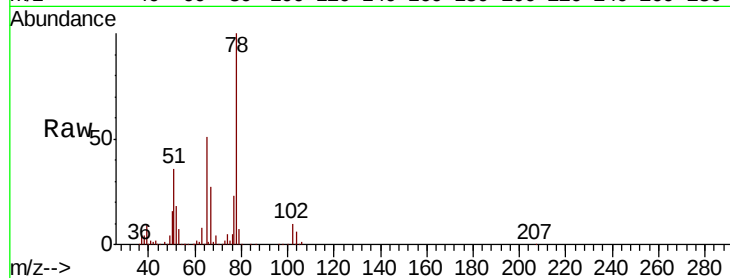
VSTDCCC050

Tot Ion: 65 Resp: 328296

Ion Ratio Lower Upper

65 100

67 54.3 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059109.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059109.D (-1845) (-)

8.00

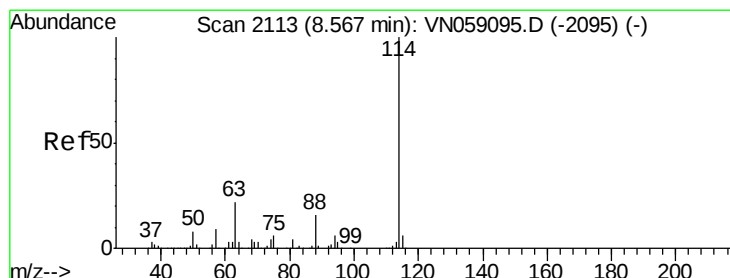
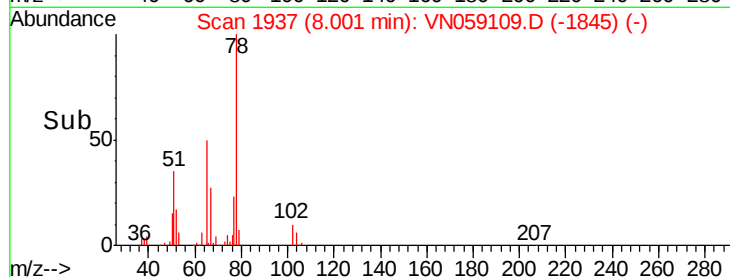
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

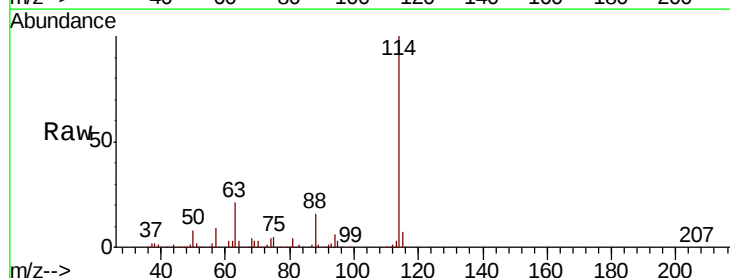
Tgt Ion: 114 Resp: 849320

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.4

88 16.5 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059109.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059109.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059109.D (-2020) (-)

8.56

500000

400000

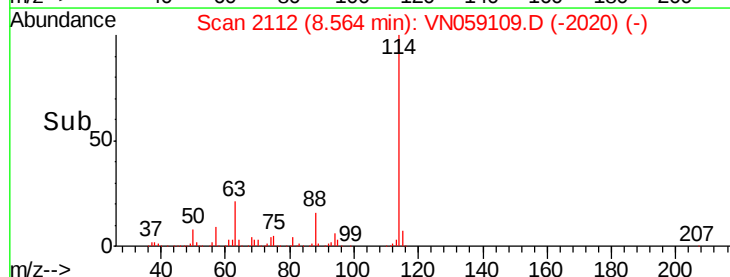
300000

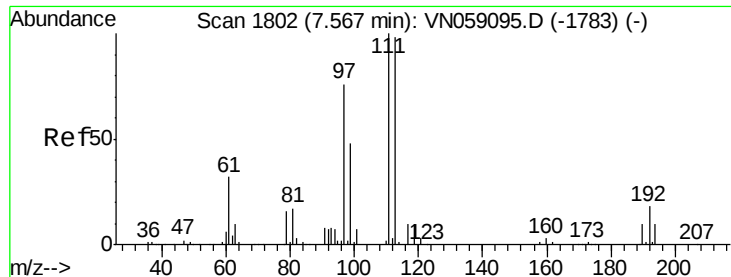
200000

100000

0

Time-->

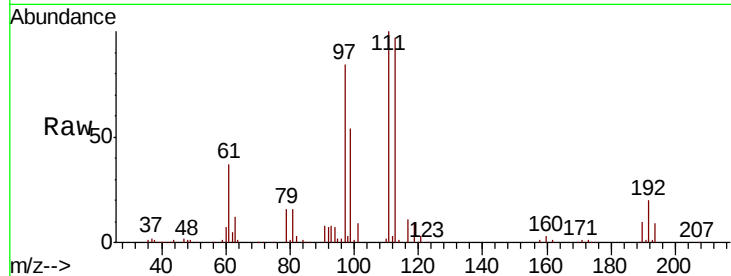




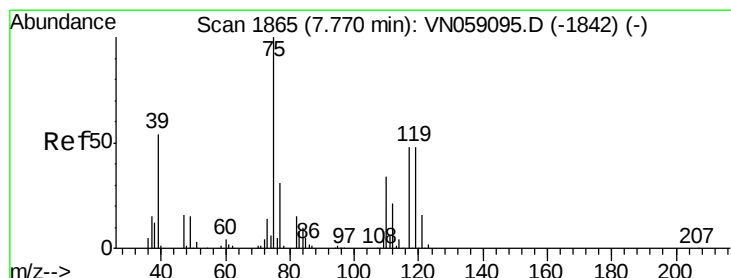
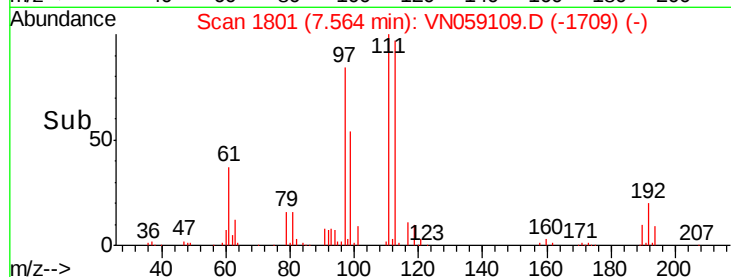
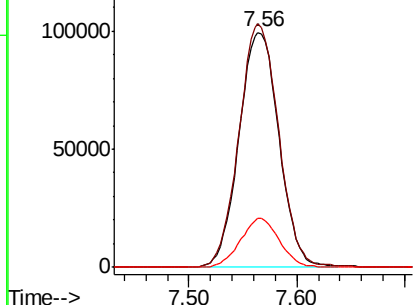
#35
 Dibromofluoromethane
 Concen: 50.575 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 256481
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.8 124.2
 192 20.3 16.1 24.1

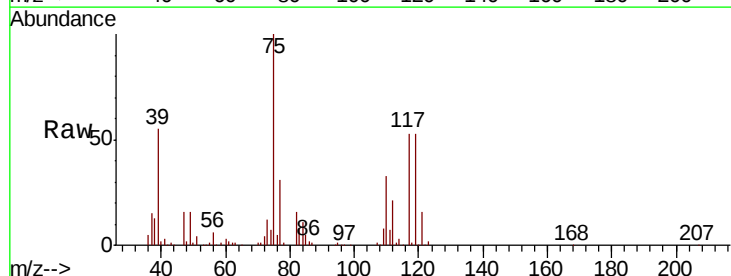


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

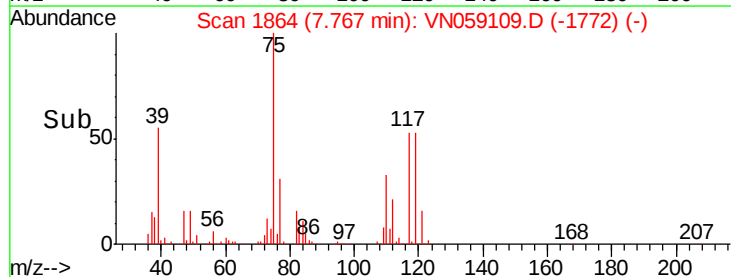
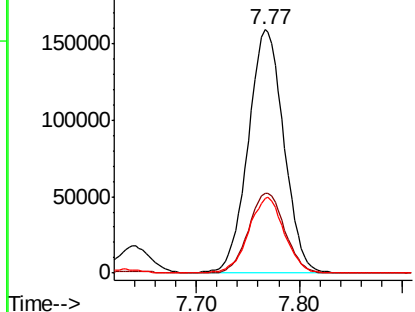


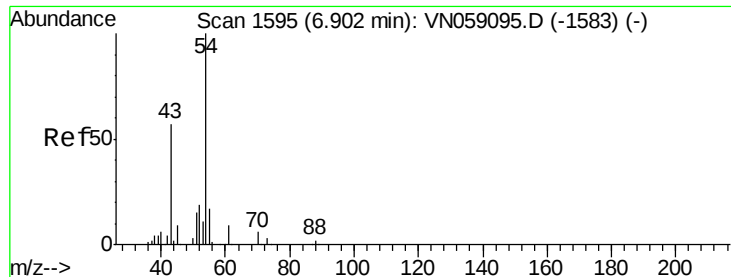
#36
 1,1-Dichloropropene
 Concen: 47.953 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Tgt Ion: 75 Resp: 380682
 Ion Ratio Lower Upper
 75 100
 110 33.4 17.1 51.2
 77 31.0 24.8 37.2



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

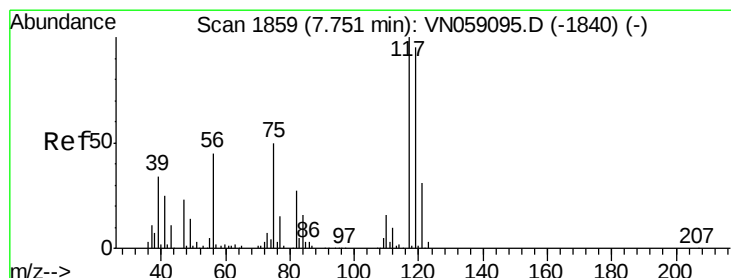
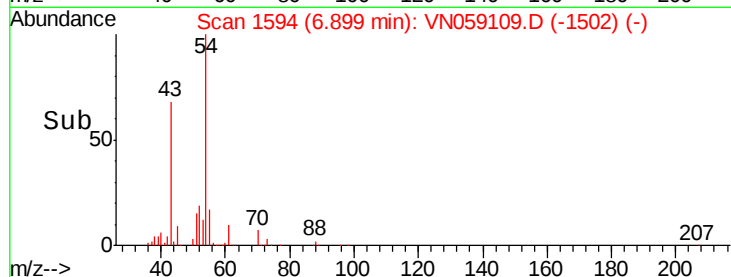
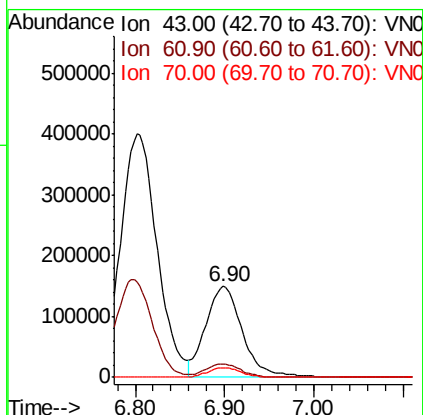
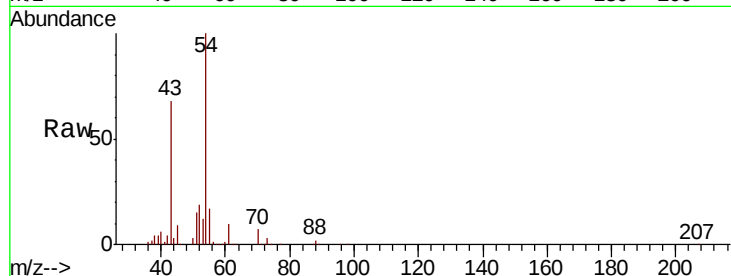




#37
Ethyl Acetate
Concen: 47.538 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

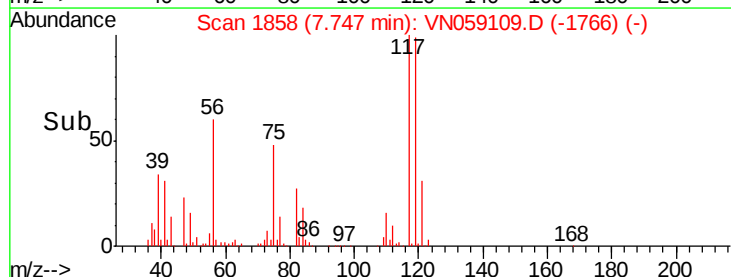
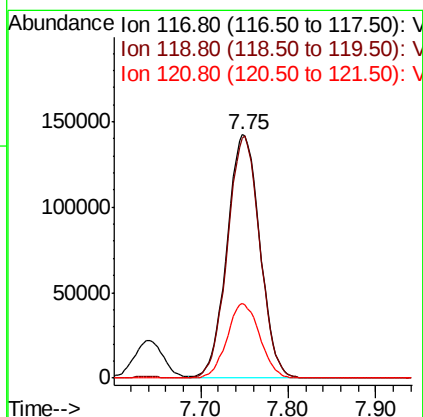
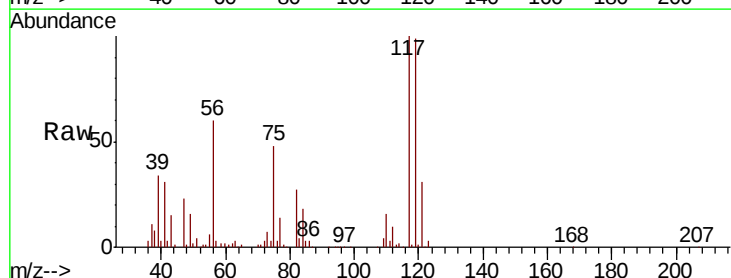
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

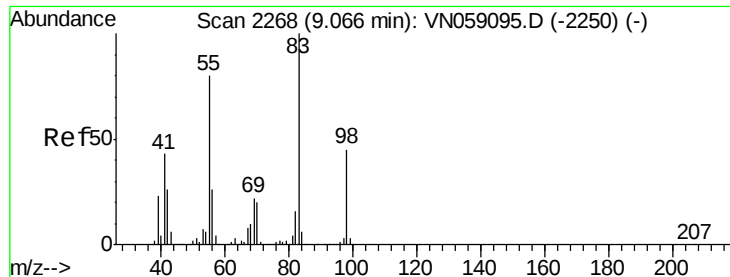
Tot Ion: 43 Resp: 419835
Ion Ratio Lower Upper
43 100
61 14.4 11.2 16.8
70 10.2 7.8 11.8



#38
Carbon Tetrachloride
Concen: 46.989 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion: 117 Resp: 371281
Ion Ratio Lower Upper
117 100
119 98.6 75.6 113.4
121 30.7 24.6 36.8

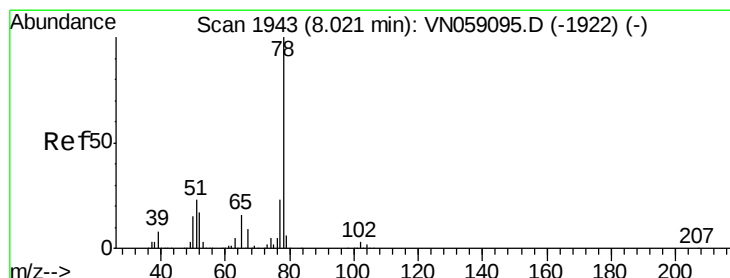
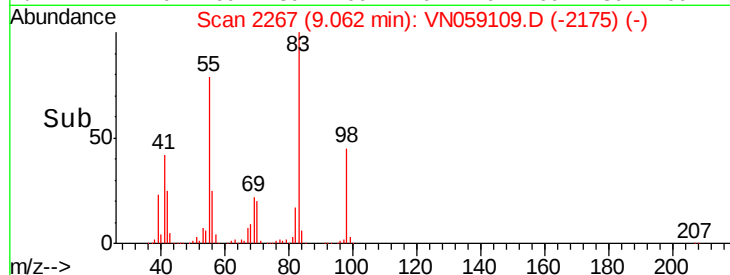
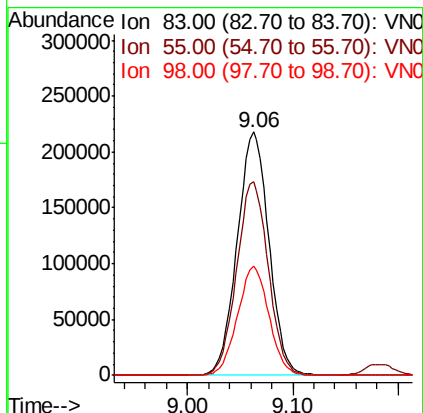
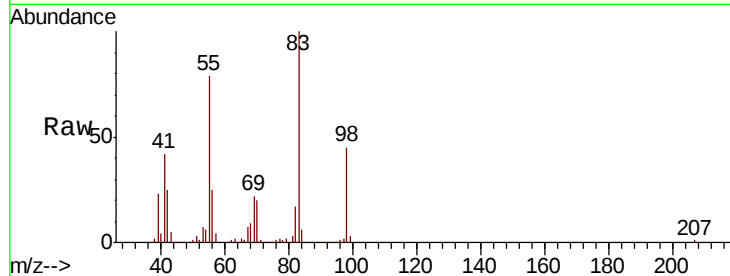




#39
Methvlcvclohexane
Concen: 49.334 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

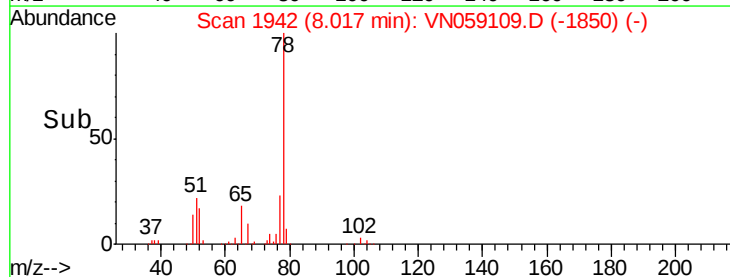
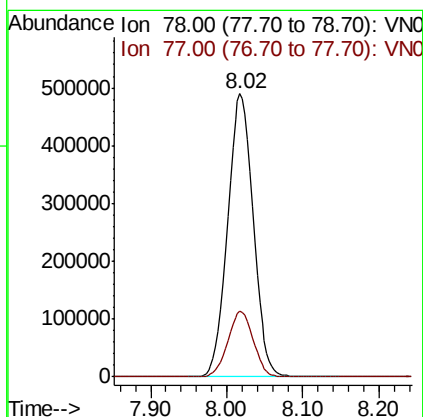
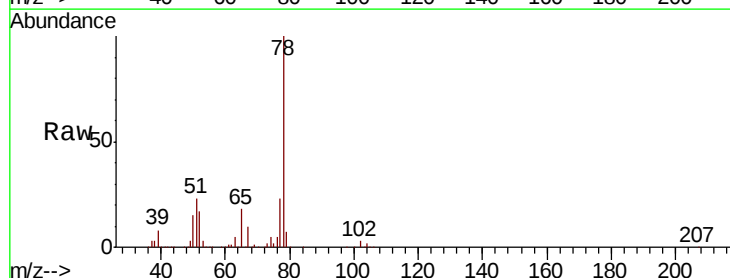
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

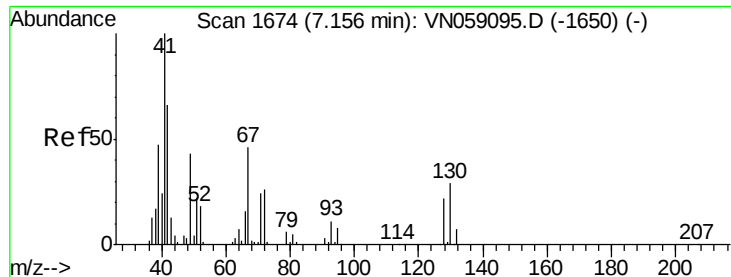
Tot Ion: 83 Resp: 454538
Ion Ratio Lower Upper
83 100
55 79.4 63.9 95.9
98 44.6 35.6 53.4



#40
Benzene
Concen: 48.028 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion: 78 Resp: 1148161
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

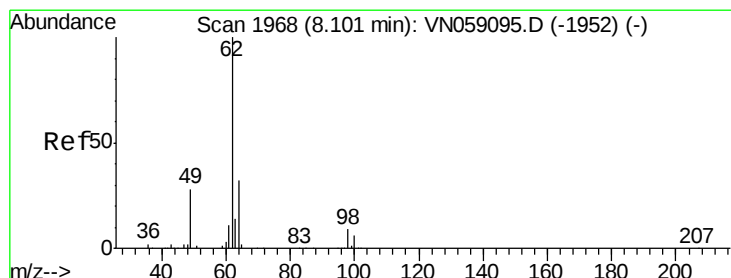
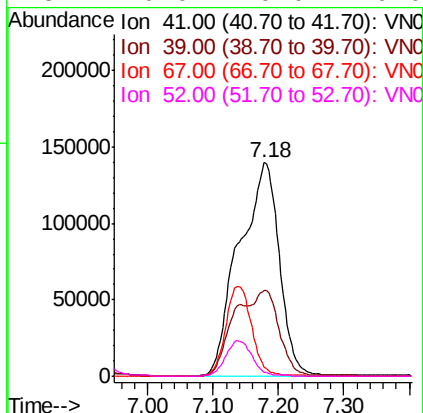
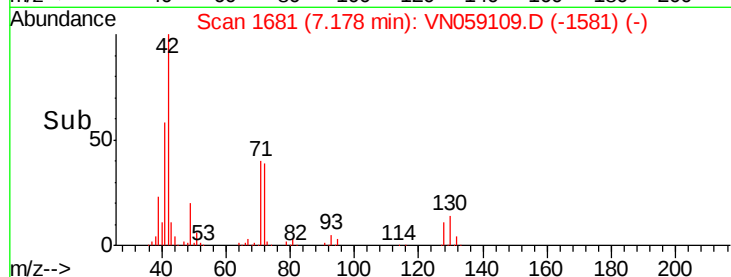
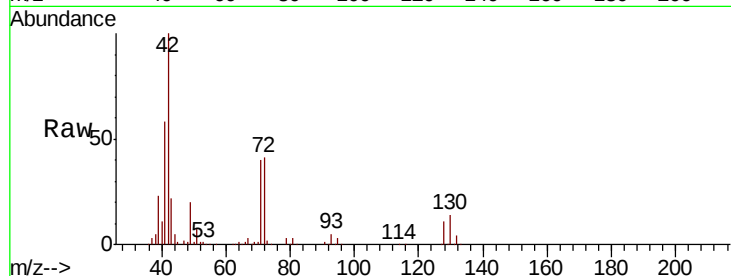




#41
Methacrylonitrile
Concen: 155.897 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.02 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

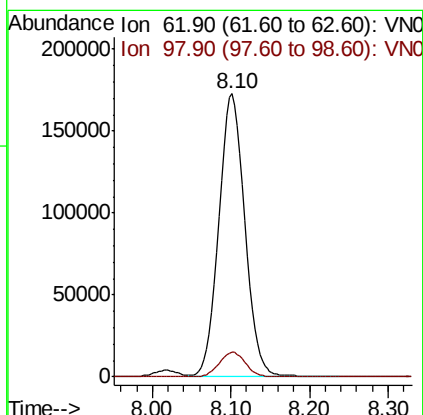
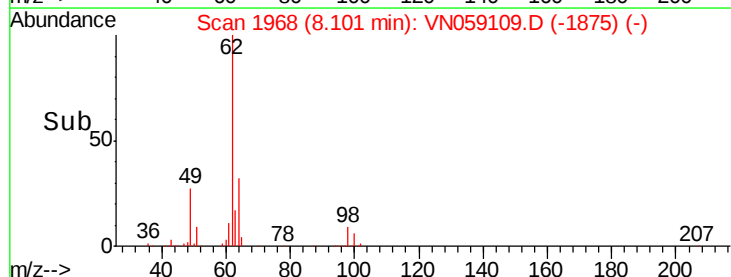
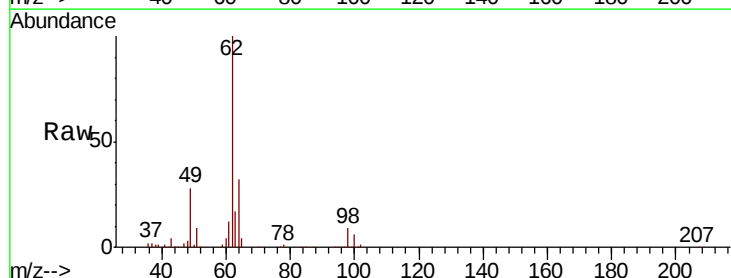
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

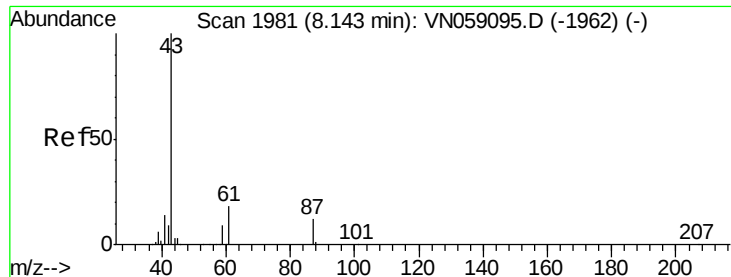
Tot Ion:	41	Resp:	598696
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 47.986 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion:	62	Resp:	393445
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





#43

Isopropyl Acetate

Concen: 47.835 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

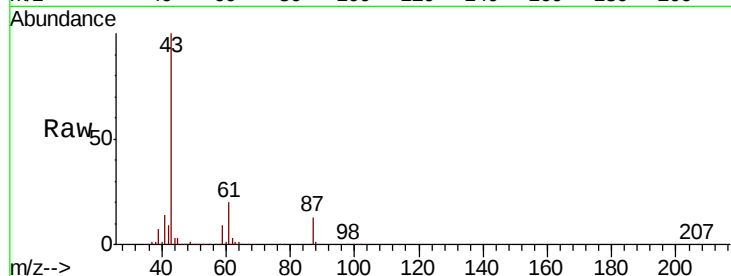
Tot Ion: 43 Resp: 673497

Ion Ratio Lower Upper

43 100

61 26.4 21.0 31.6

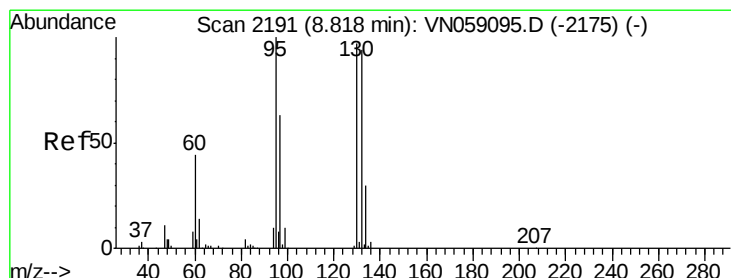
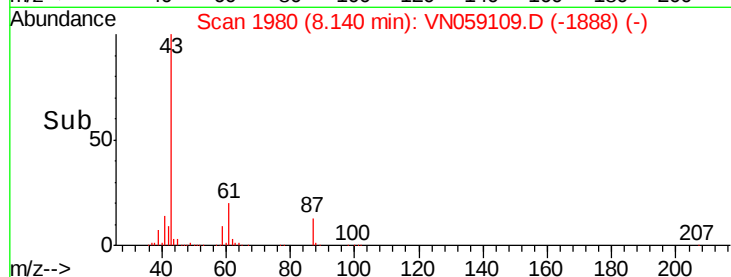
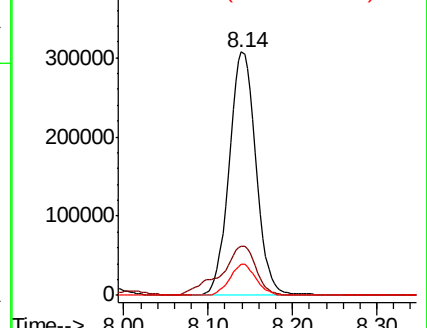
87 12.6 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059109.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN059109.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN059109.D (-1962) (-)



#44

Trichloroethene

Concen: 48.129 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN059109.D

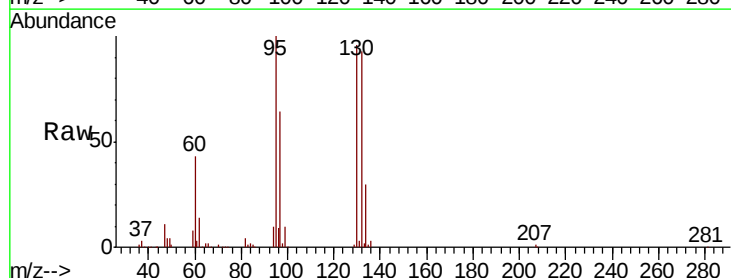
Acq: 7 Nov 2019 9:44

Tgt Ion:130 Resp: 282833

Ion Ratio Lower Upper

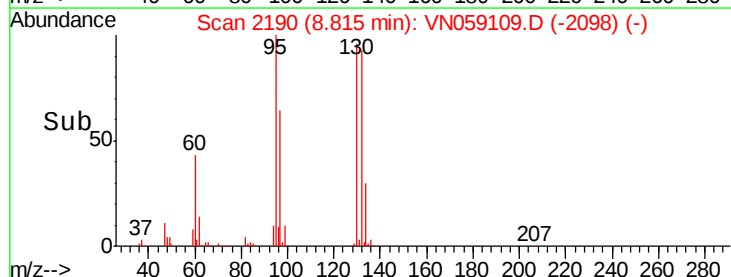
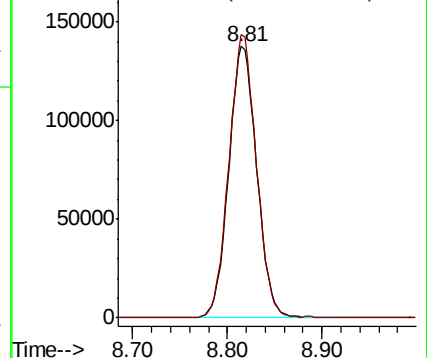
130 100

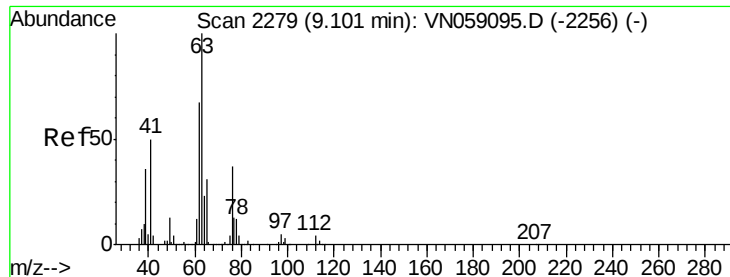
95 104.3 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059109.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059109.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 48.781 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

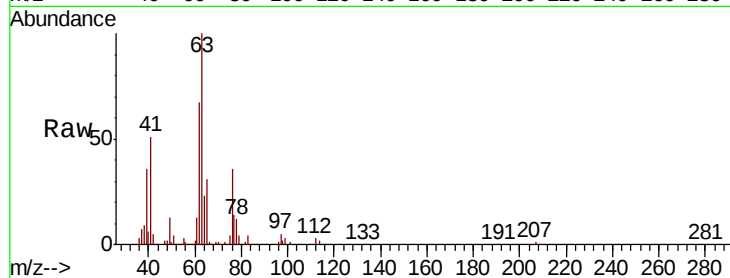
VSTDCCC050

Tot Ion: 63 Resp: 316748

Ion Ratio Lower Upper

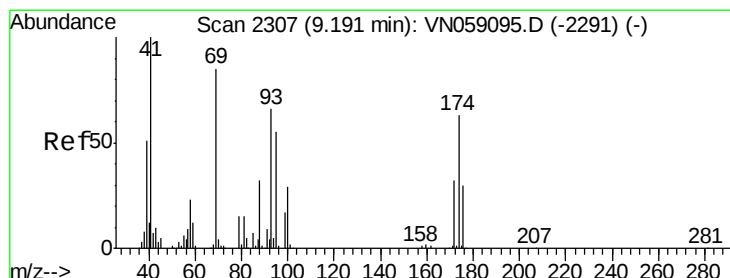
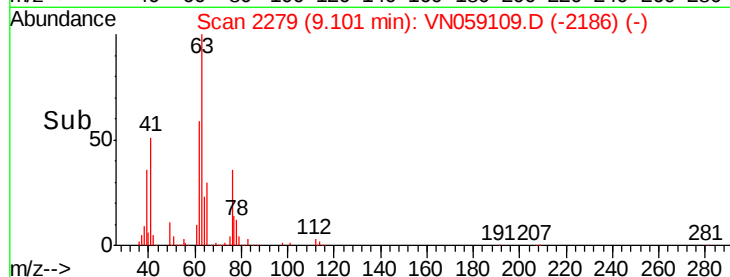
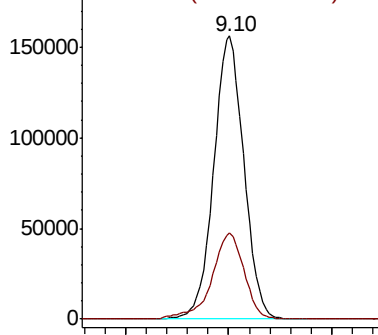
63 100

65 30.5 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 47.467 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

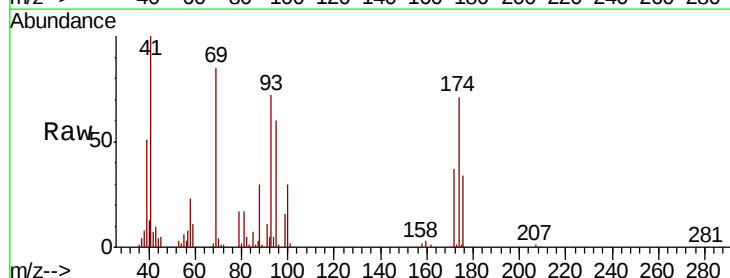
Tgt Ion: 93 Resp: 192065

Ion Ratio Lower Upper

93 100

95 82.9 66.6 100.0

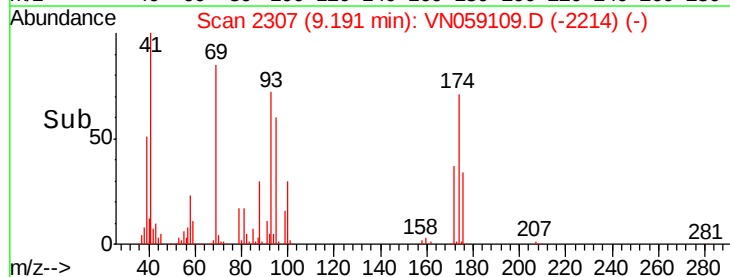
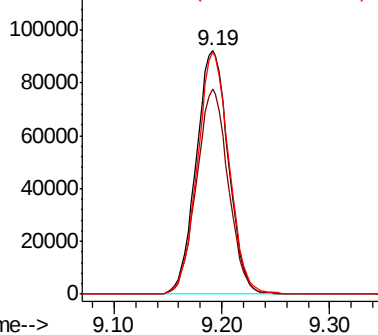
174 97.4 78.2 117.2

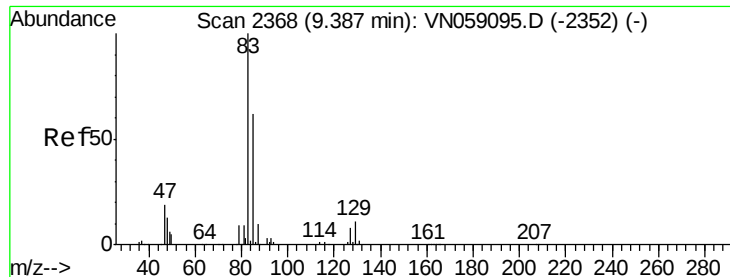


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 48.502 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

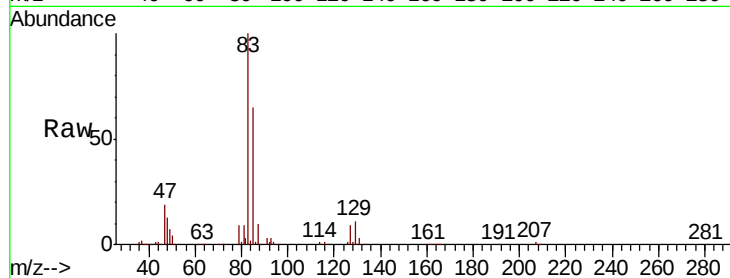
Tot Ion: 83 Resp: 391890

Ion Ratio Lower Upper

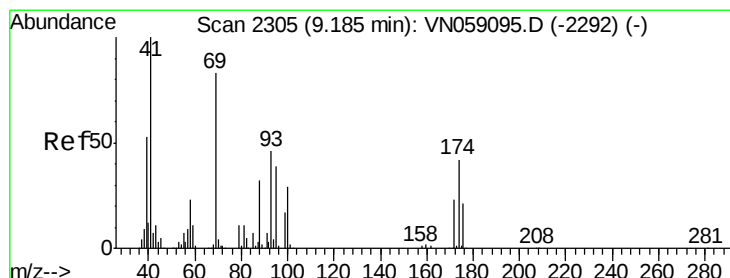
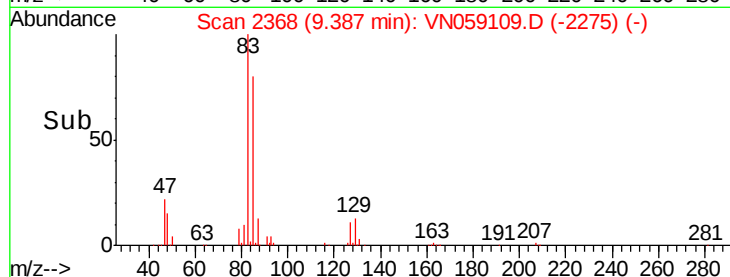
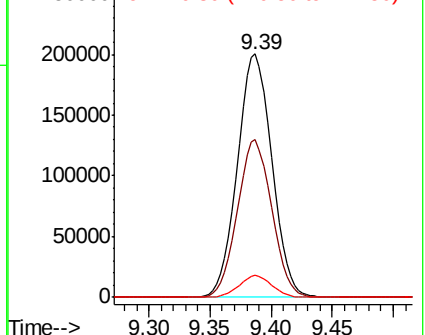
83 100

85 64.6 49.7 74.5

127 8.9 6.4 9.6



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



#48

Methyl methacrylate

Concen: 48.202 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

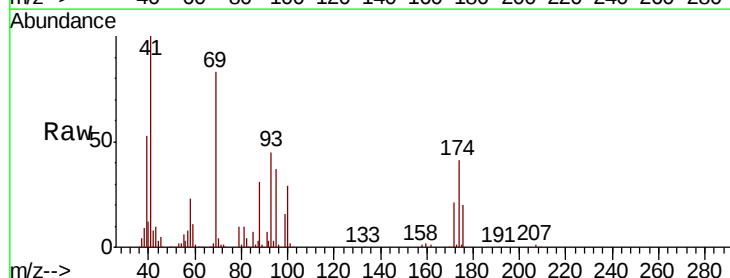
Tgt Ion: 41 Resp: 303568

Ion Ratio Lower Upper

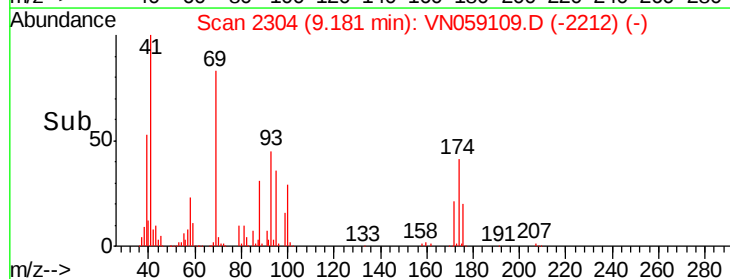
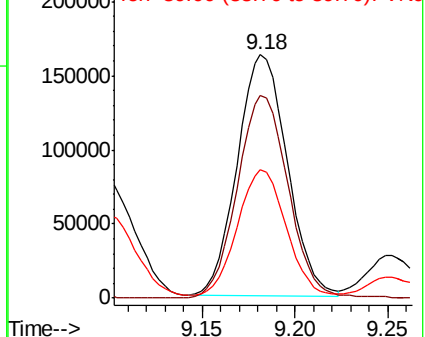
41 100

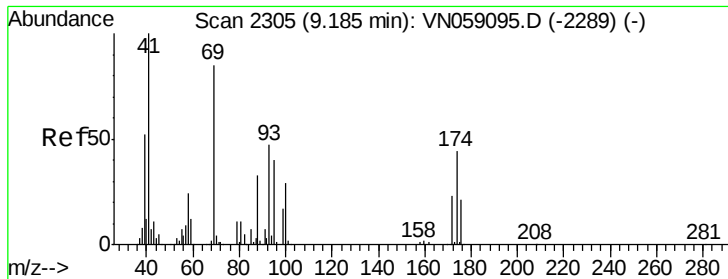
69 86.2 67.3 100.9

39 51.0 43.3 64.9



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





#49

1,4-Dioxane

Concen: 937.276 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

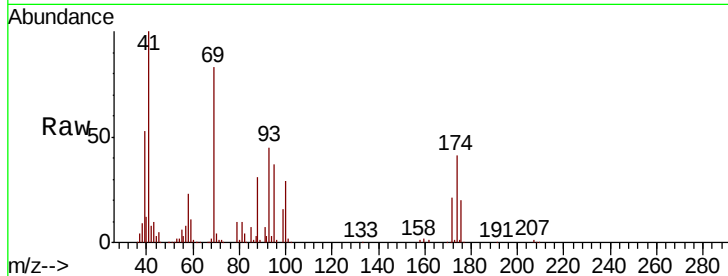
Tot Ion: 88 Resp: 104901

Ion Ratio Lower Upper

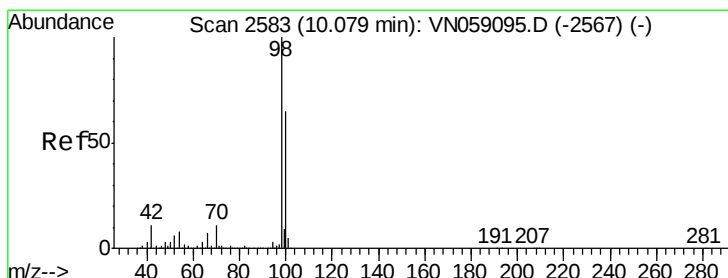
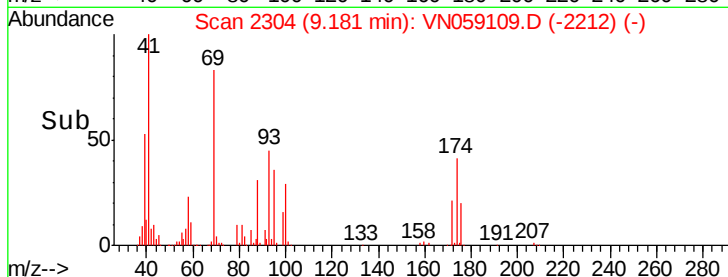
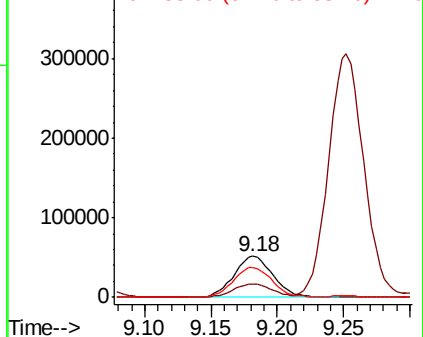
88 100

43 32.3 26.3 39.5

58 74.2 60.6 90.8



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: 50.923 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059109.D

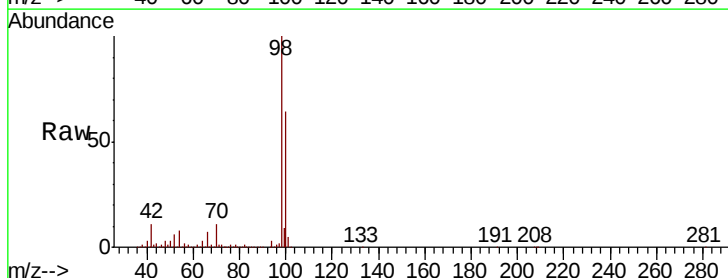
Acq: 7 Nov 2019 9:44

Tgt Ion: 98 Resp: 1017194

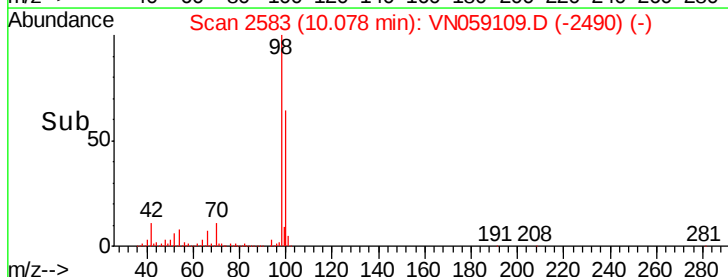
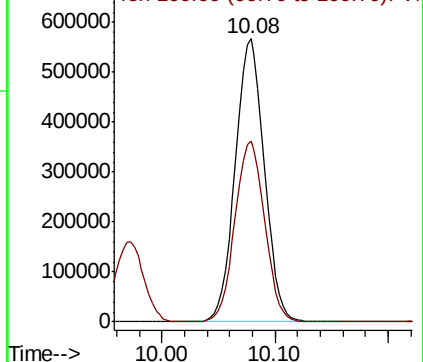
Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



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: 259.479 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

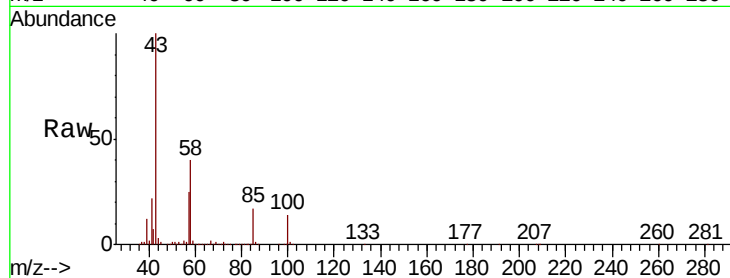
VSTDCCC050

Tot Ion: 43 Resp: 2067175

Ion Ratio Lower Upper

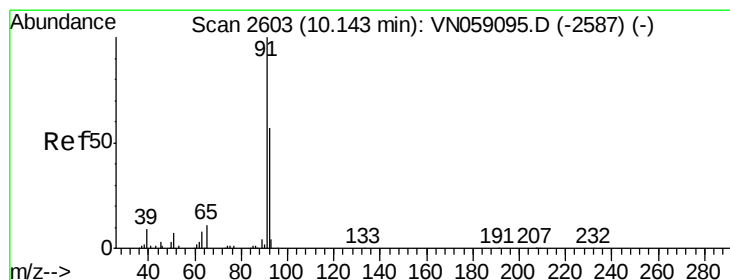
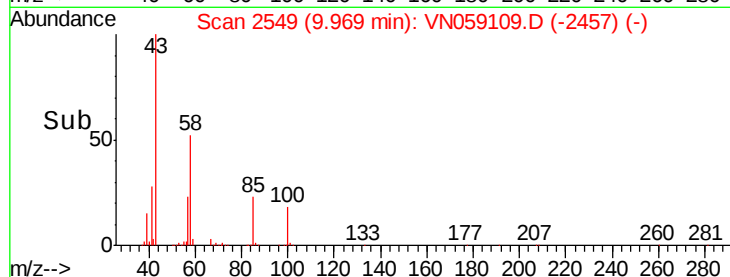
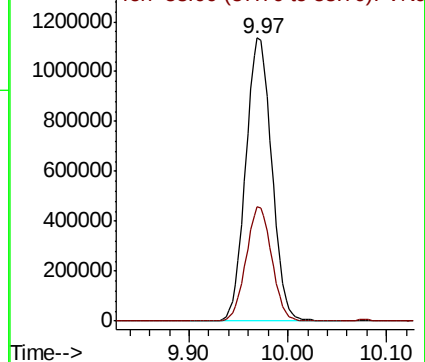
43 100

58 39.8 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.922 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059109.D

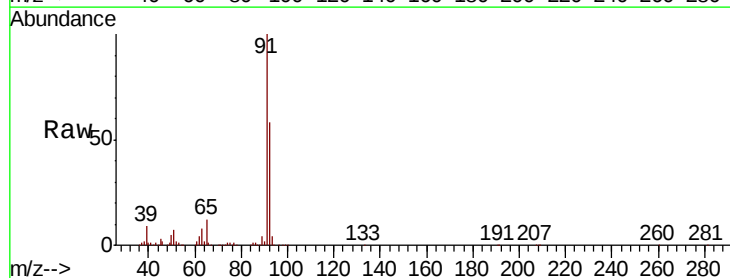
Acq: 7 Nov 2019 9:44

Tgt Ion: 92 Resp: 700988

Ion Ratio Lower Upper

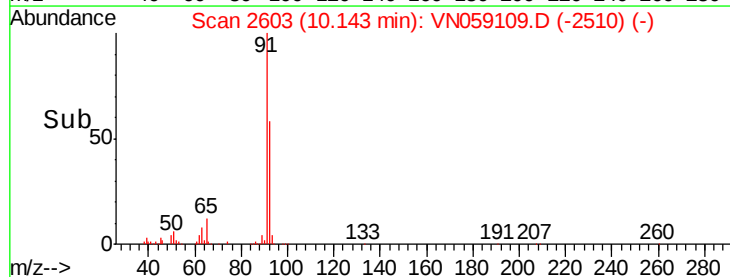
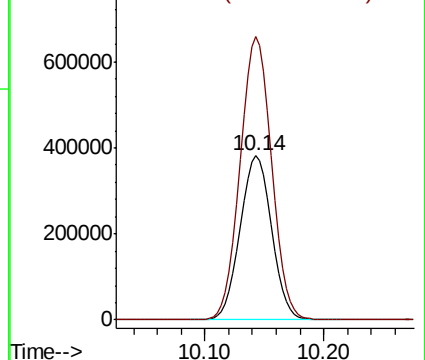
92 100

91 171.9 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 49.160 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

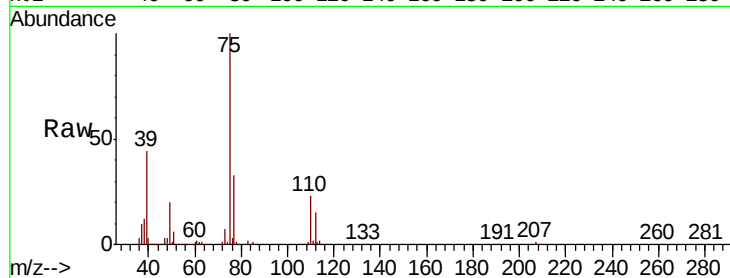
VSTDCCC050

Tot Ion: 75 Resp: 458899

Ion Ratio Lower Upper

75 100

77 32.7 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

250000

200000

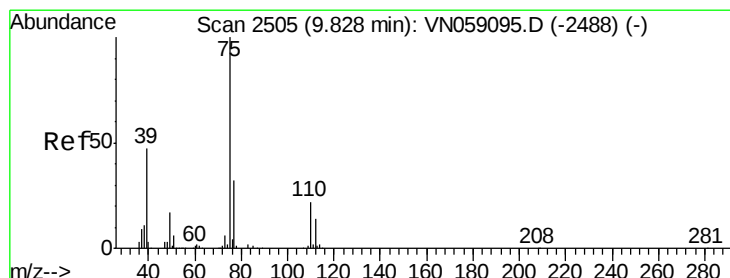
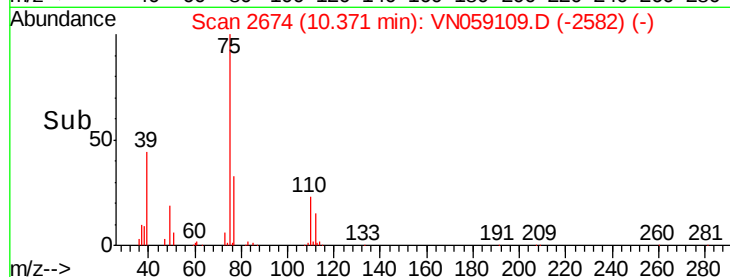
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.229 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

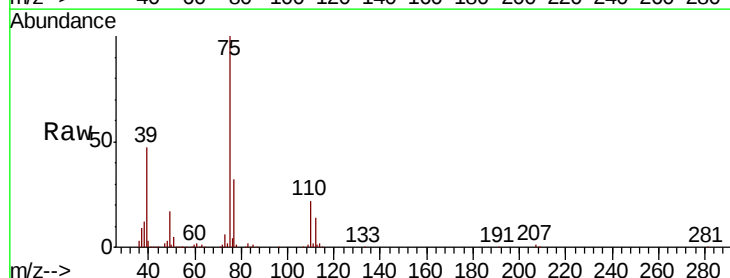
Tgt Ion: 75 Resp: 494321

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 46.7 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.82

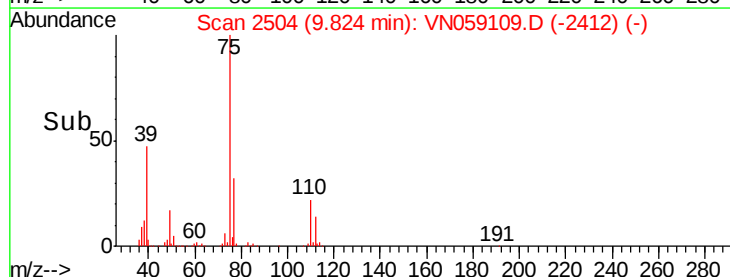
300000

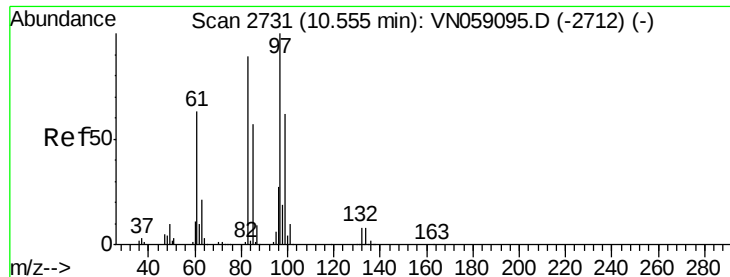
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 47.207 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 273752

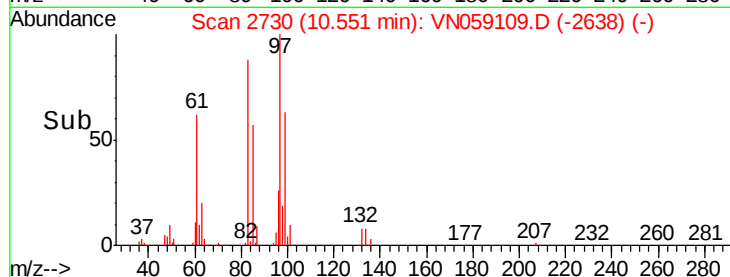
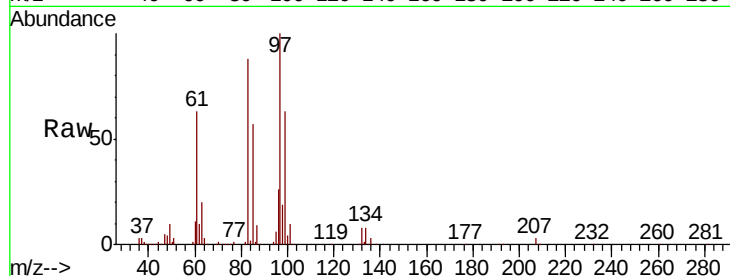
Ion Ratio Lower Upper

97 100

83 88.3 71.0 106.4

85 56.9 45.8 68.8

99 62.7 49.4 74.0

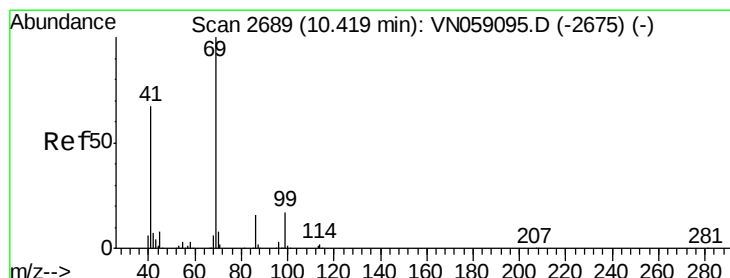
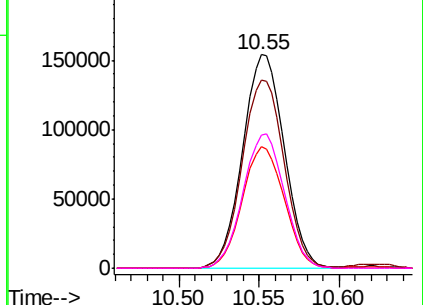


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 45.774 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

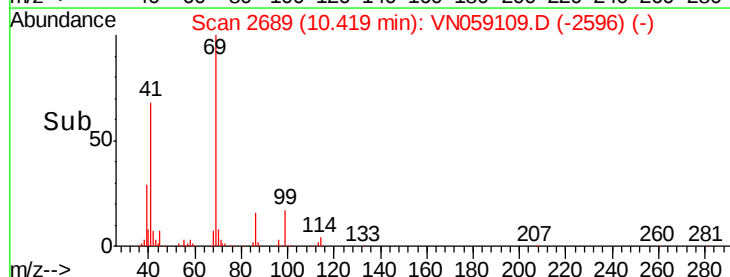
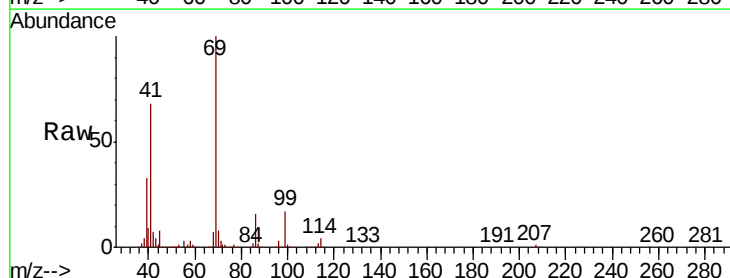
Tgt Ion: 69 Resp: 441135

Ion Ratio Lower Upper

69 100

41 66.8 53.6 80.4

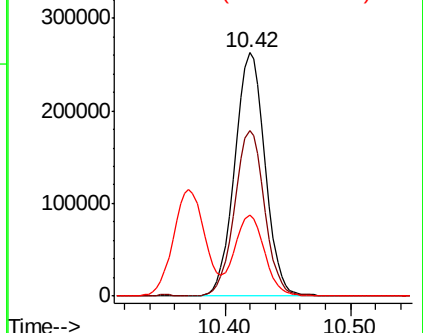
39 32.9 26.2 39.4

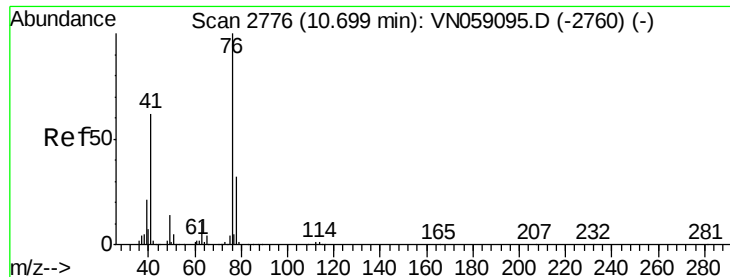


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 48.353 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

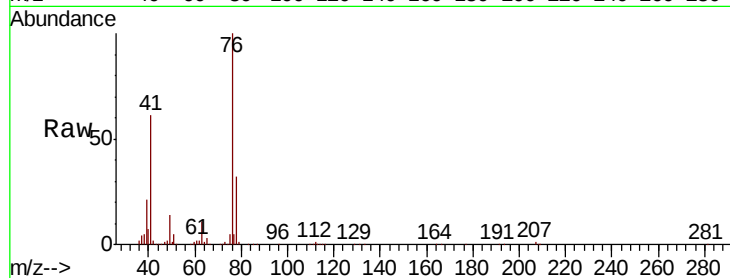
VSTDCCC050

Tot Ion: 76 Resp: 482586

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN059109.D (-2760) (-)

Ion 77.90 (77.60 to 78.60): VN059109.D (-2760) (-)

10.70

250000

200000

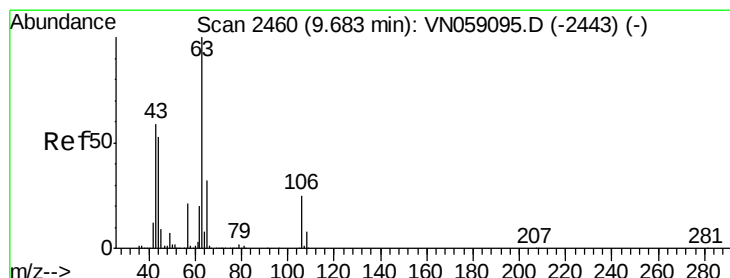
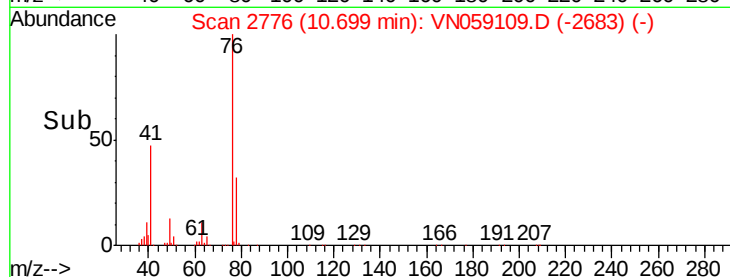
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 267.595 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059109.D

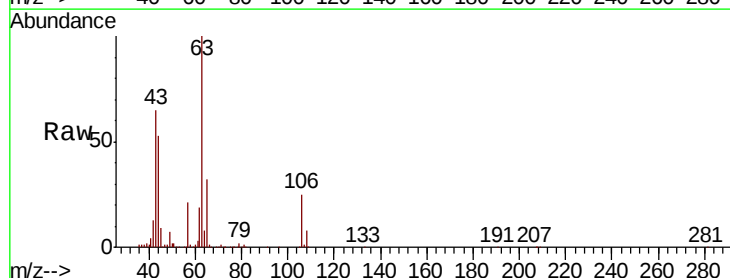
Acq: 7 Nov 2019 9:44

Tgt Ion: 63 Resp: 863597

Ion Ratio Lower Upper

63 100

106 25.1 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059109.D (-2443) (-)

Ion 105.90 (105.60 to 106.60): VN059109.D (-2443) (-)

9.68

500000

400000

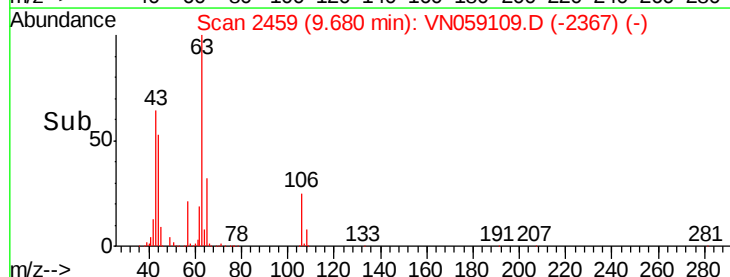
300000

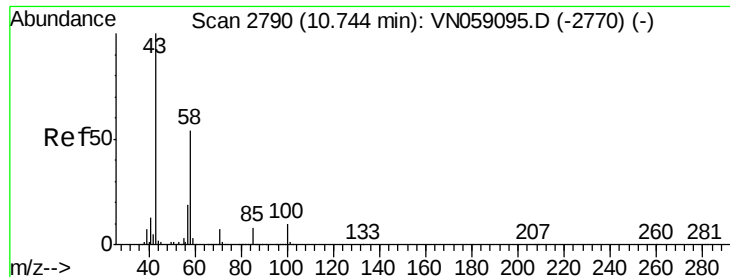
200000

100000

0

Time-->

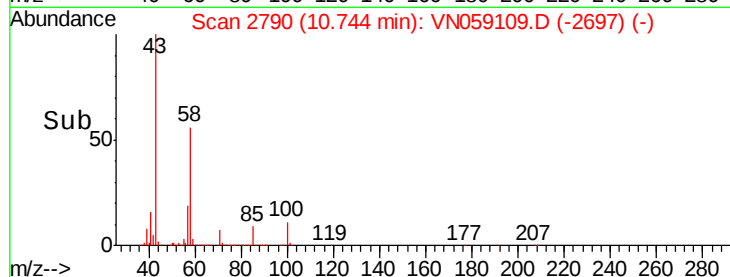
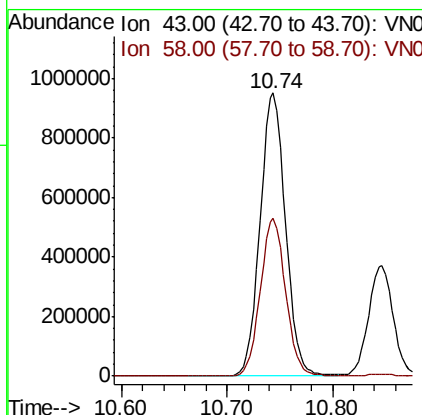
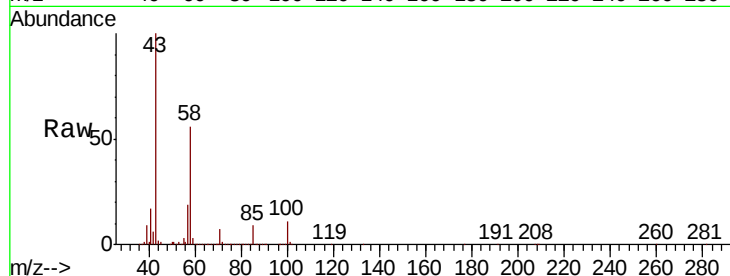




#59
2-Hexanone
Concen: 262.151 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

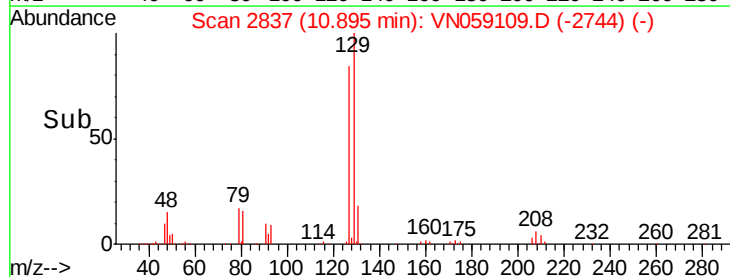
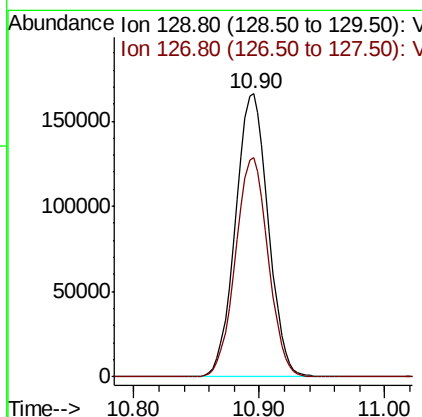
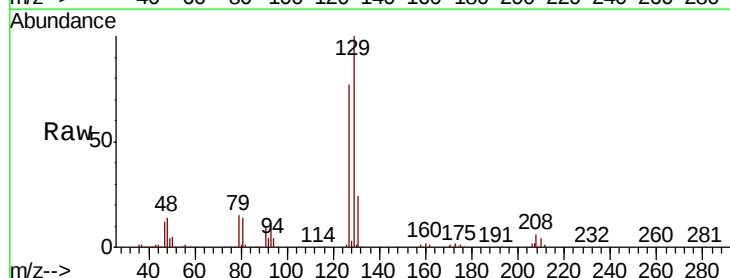
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

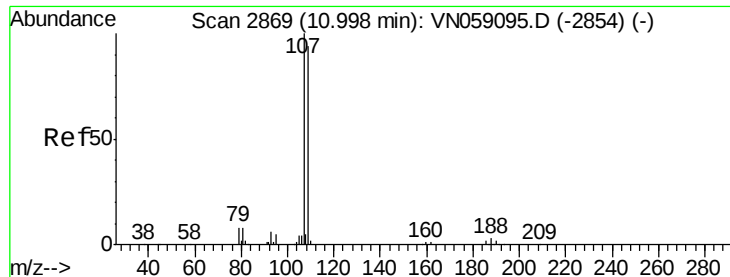
Tot Ion: 43 Resp: 1602993
Ion Ratio Lower Upper
43 100
58 55.4 27.3 81.8



#60
Dibromochloromethane
Concen: 49.210 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion: 129 Resp: 301711
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

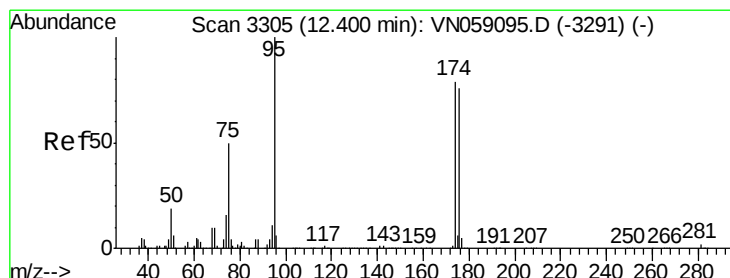
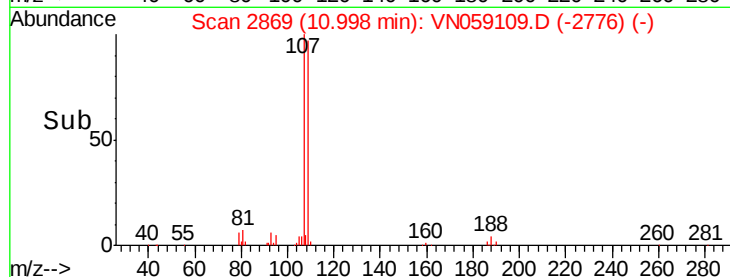
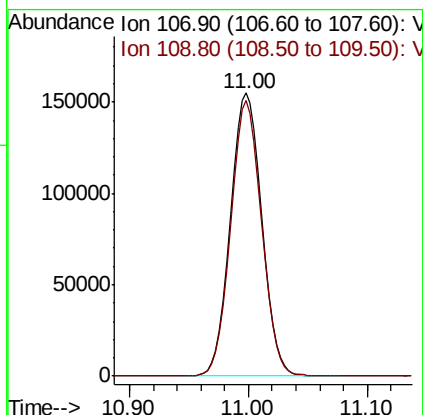
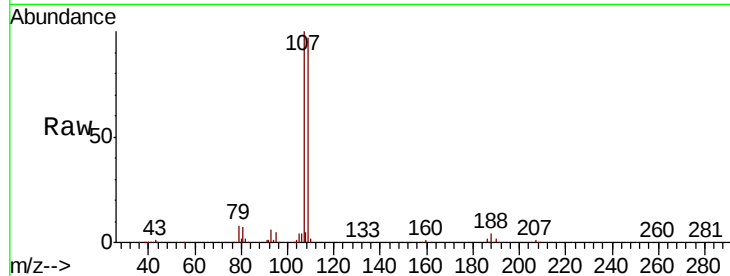




#61
 1,2-Dibromoethane
 Concen: 48.291 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

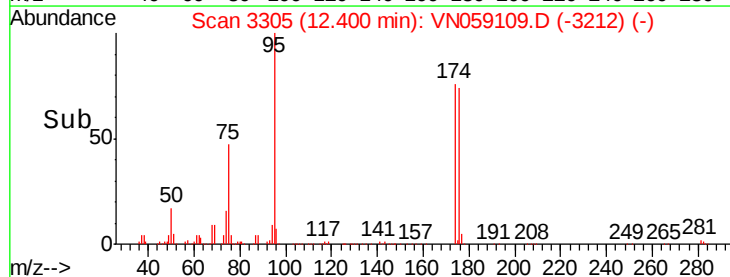
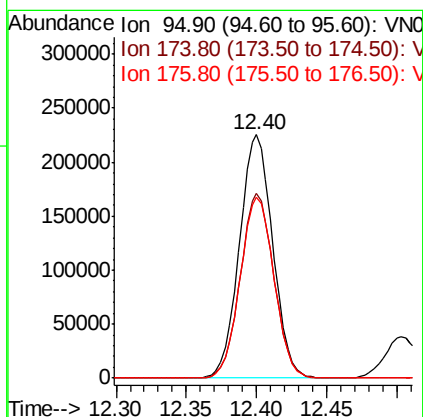
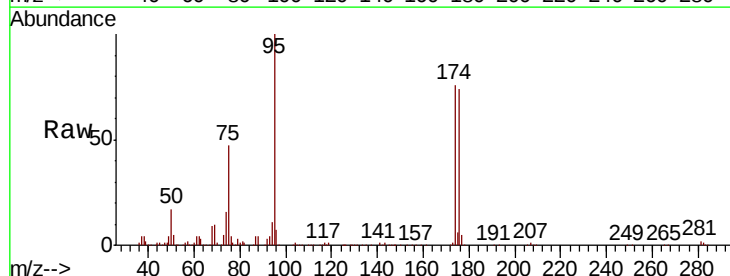
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

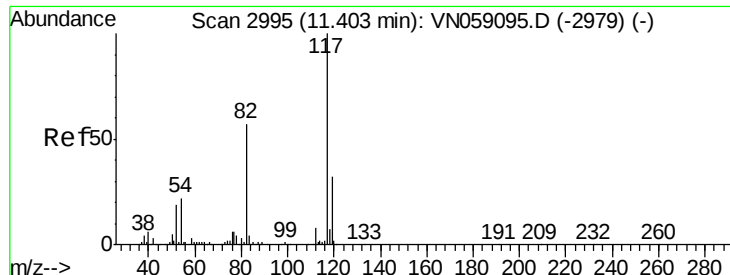
Tot Ion:107 Resp: 283483
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 51.737 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Tgt Ion: 95 Resp: 372627
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 158.2
 176 75.7 0.0 151.8

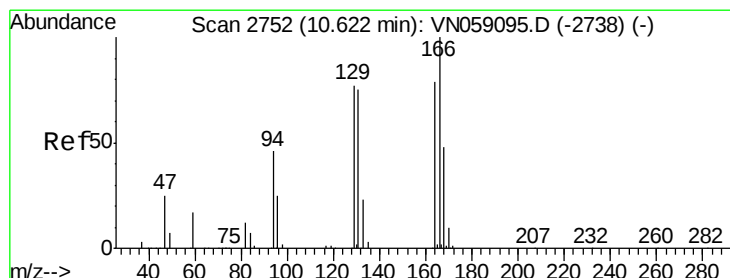
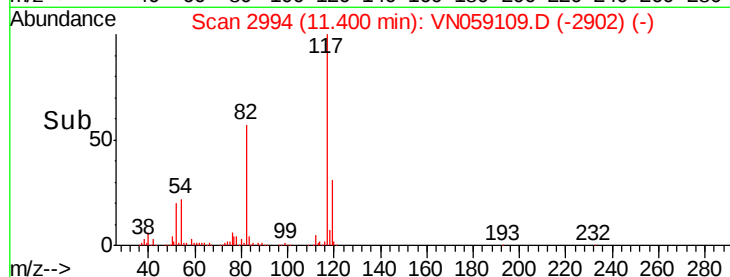
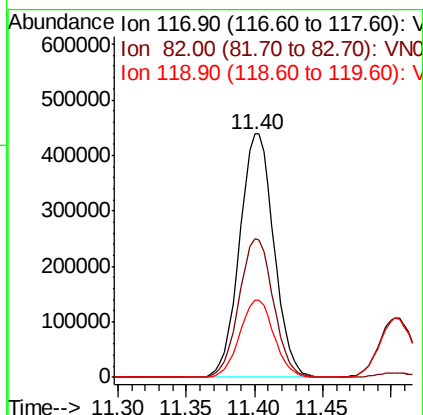
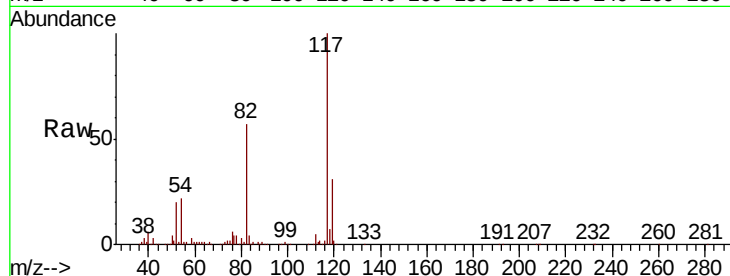




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

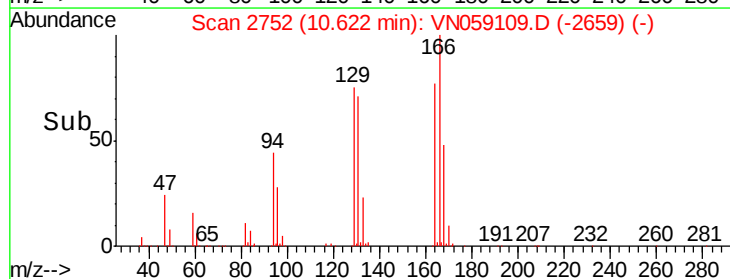
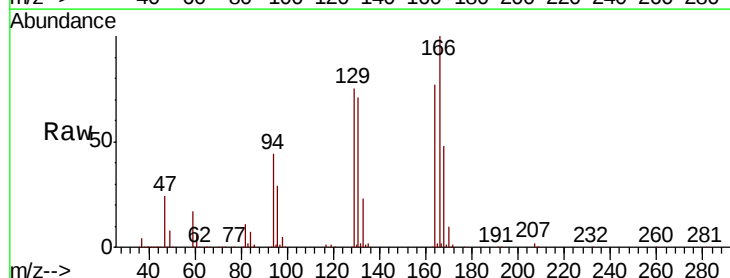
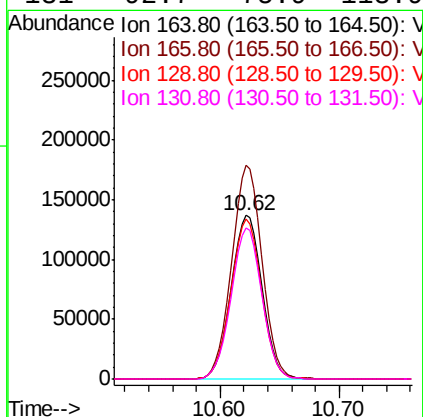
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

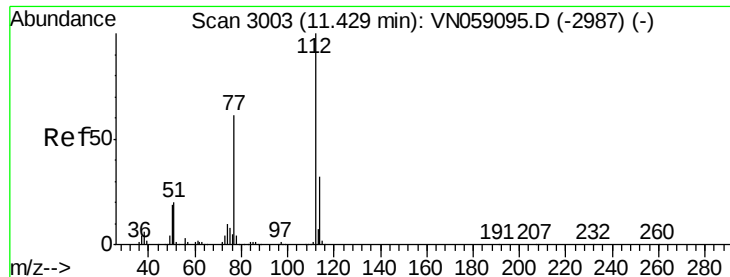
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.8	68.8
119	31.5	25.8	38.6



#64
Tetrachloroethene
Concen: 47.493 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	101.5	152.3
129	97.5	78.3	117.5
131	92.7	75.9	113.9

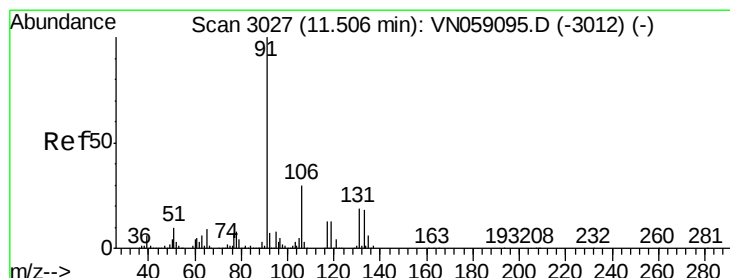
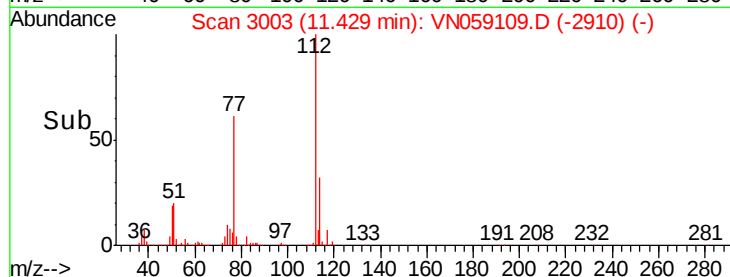
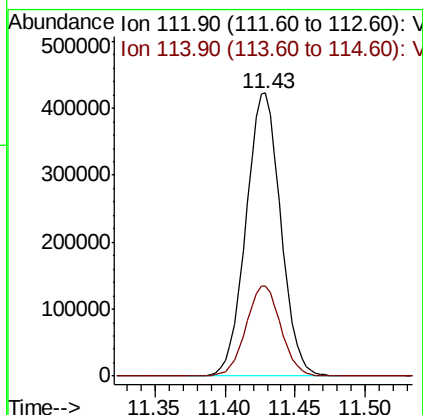
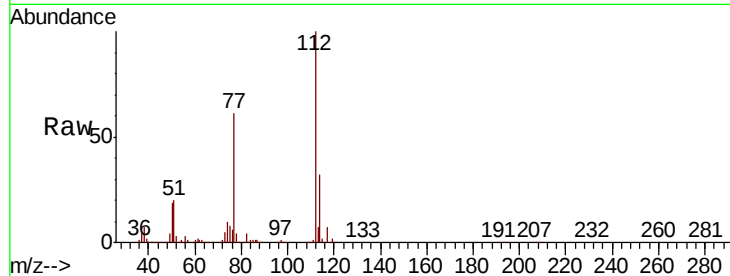




#65
Chlorobenzene
Concen: 48.853 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

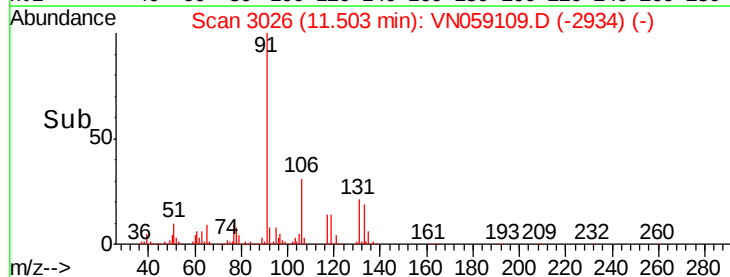
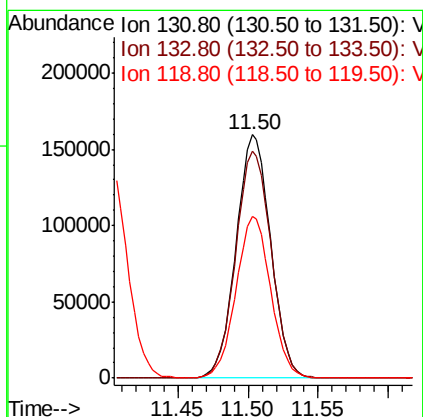
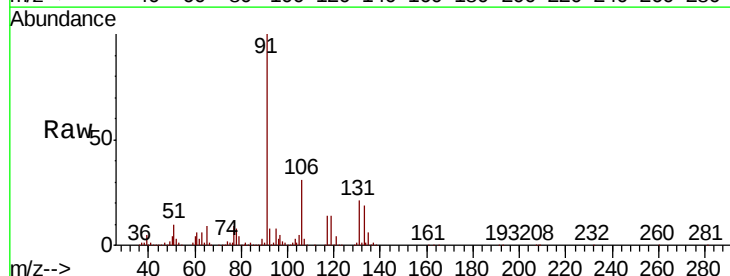
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 729330
Ion Ratio Lower Upper
112 100
114 32.0 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.998 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion:131 Resp: 274404
Ion Ratio Lower Upper
131 100
133 96.0 47.4 142.3
119 66.6 33.2 99.6

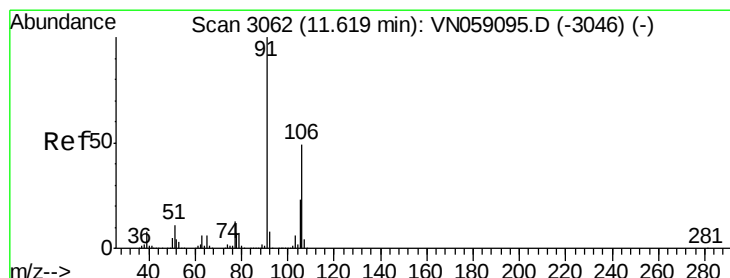
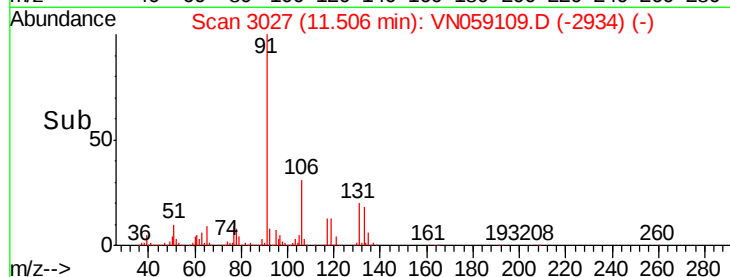
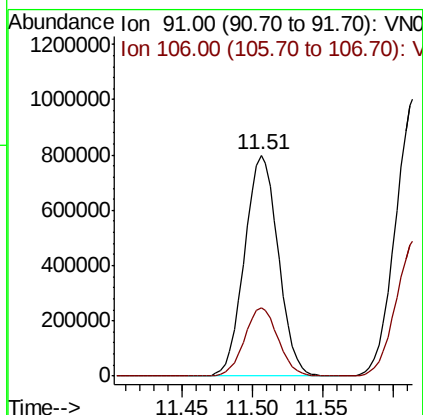
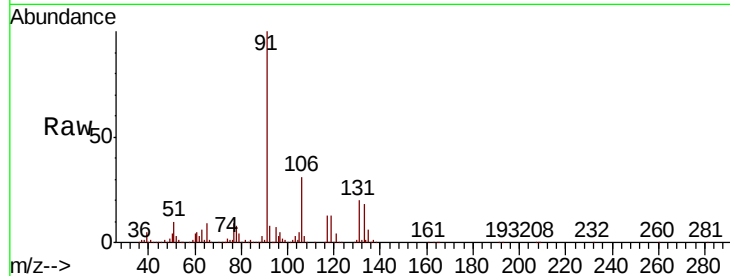




#67
Ethyl Benzene
Concen: 50.619 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

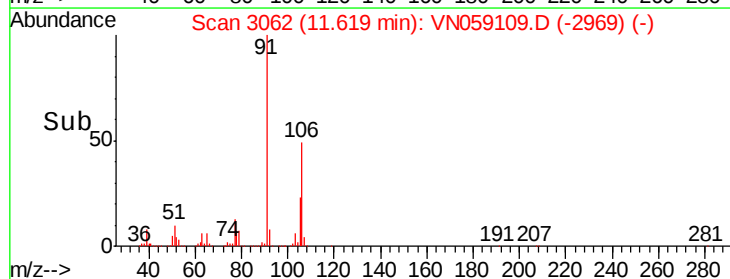
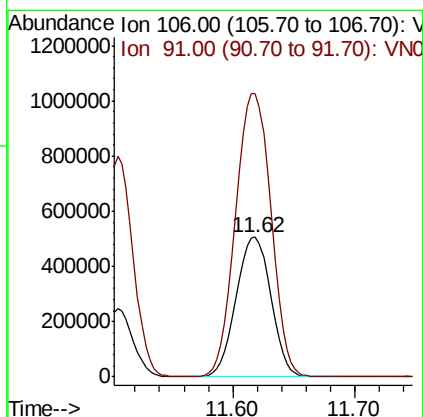
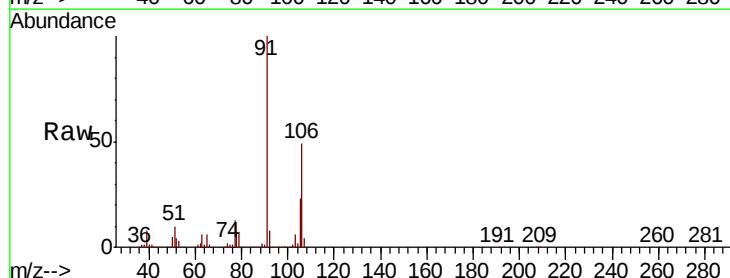
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

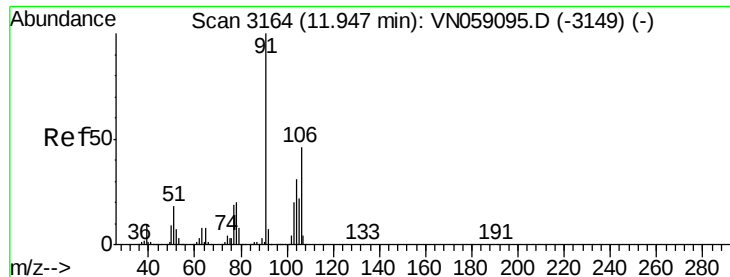
Tot Ion: 91 Resp: 1340774
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1



#68
m/p-Xylenes
Concen: 100.508 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion: 106 Resp: 997239
Ion Ratio Lower Upper
106 100
91 207.1 164.7 247.1





#69

o-Xylene

Concen: 49.422 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

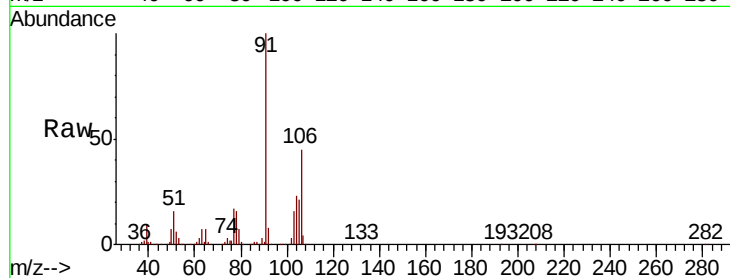
VSTDCCC050

Tot Ion:106 Resp: 473887

Ion Ratio Lower Upper

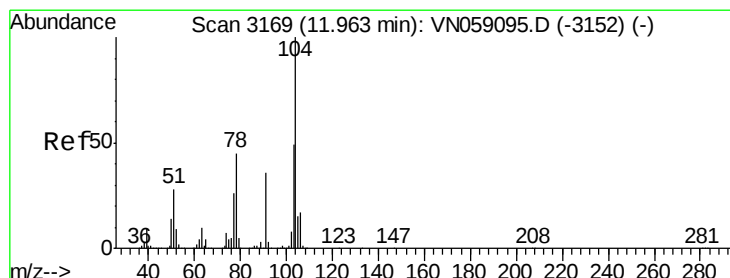
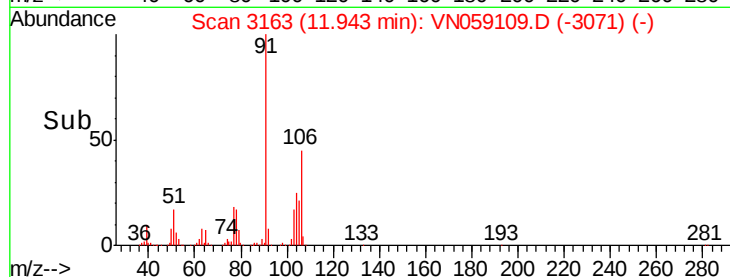
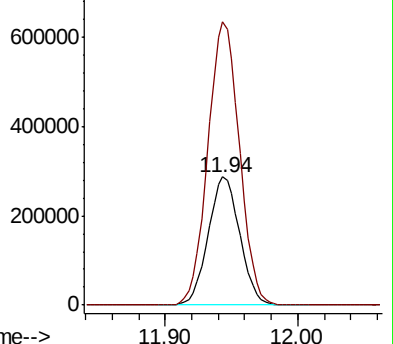
106 100

91 221.4 110.1 330.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 52.245 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

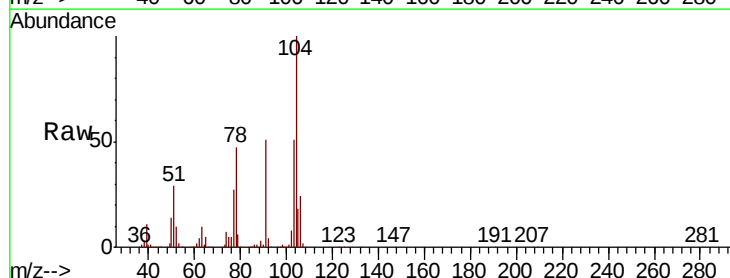
Tgt Ion:104 Resp: 787870

Ion Ratio Lower Upper

104 100

78 51.6 41.2 61.8

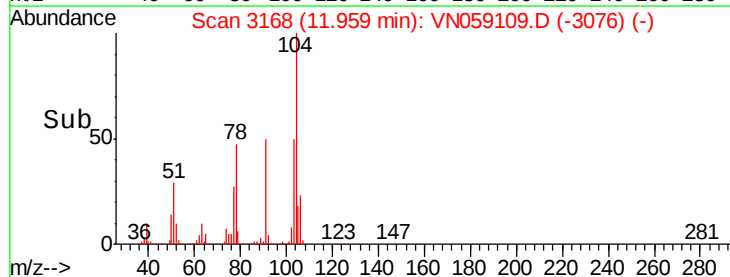
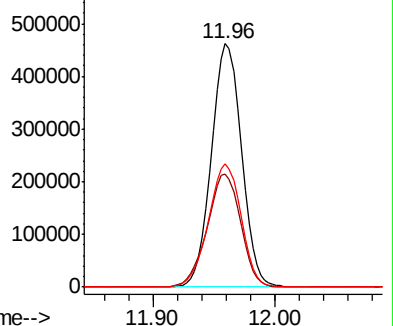
103 55.1 43.8 65.6

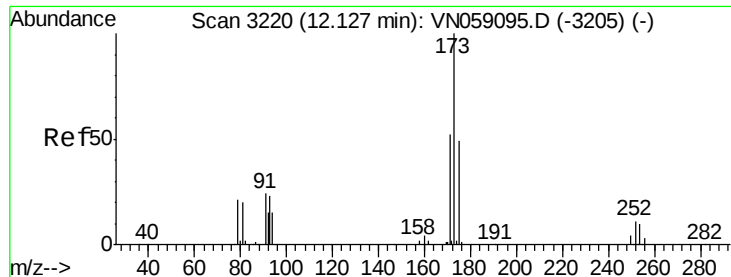


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.111 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

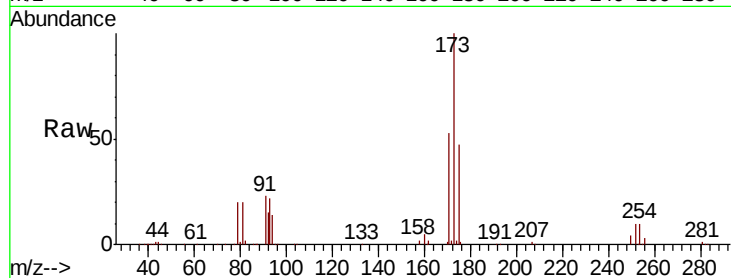
Tot Ion:173 Resp: 218290

Ion Ratio Lower Upper

173 100

175 48.2 24.2 72.6

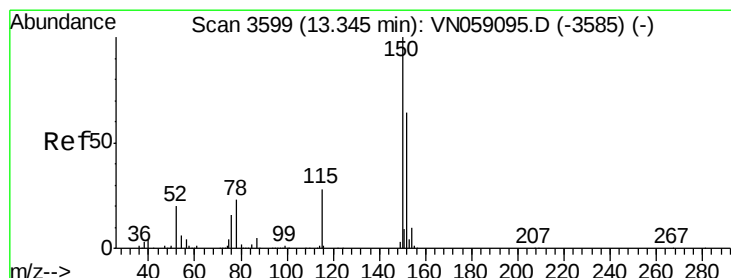
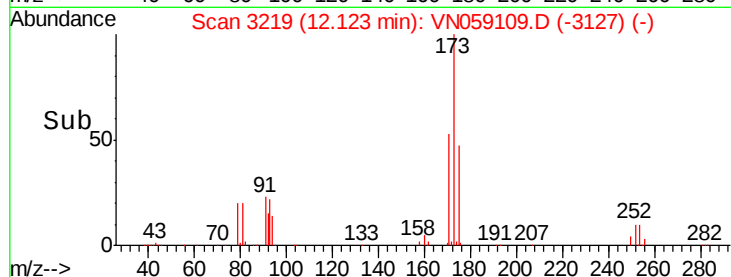
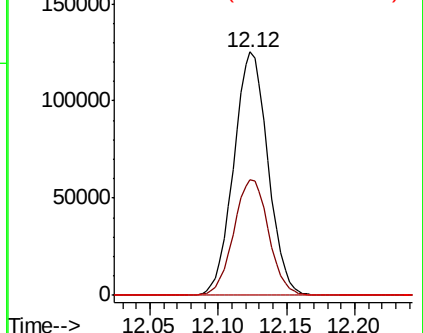
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

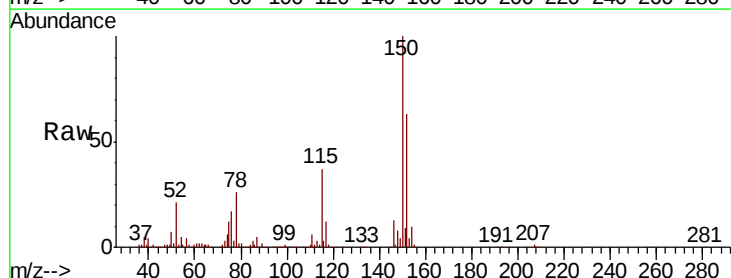
Tgt Ion:152 Resp: 360714

Ion Ratio Lower Upper

152 100

115 59.0 29.4 88.2

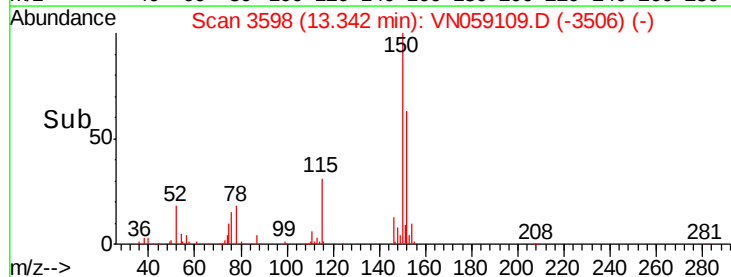
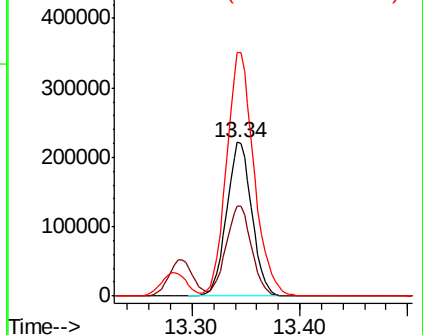
150 171.9 0.0 345.8

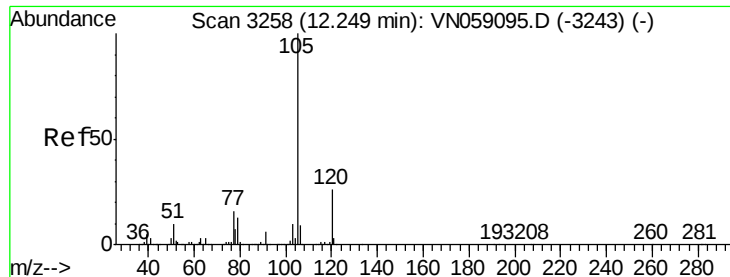


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.625 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

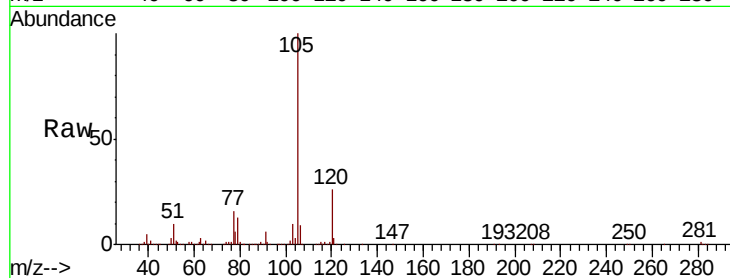
VSTDCCC050

Tot Ion:105 Resp: 1302094

Ion Ratio Lower Upper

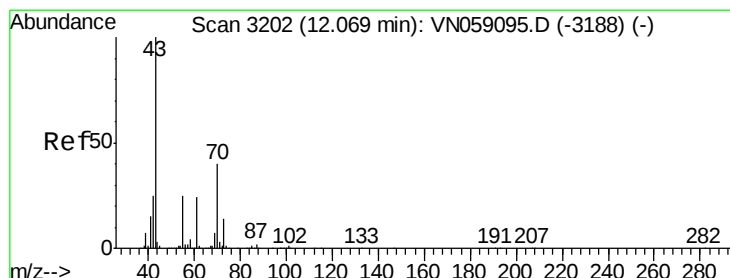
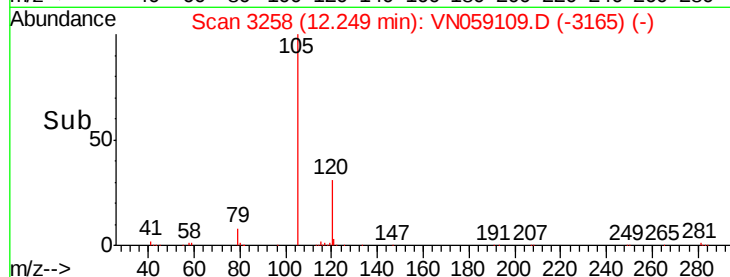
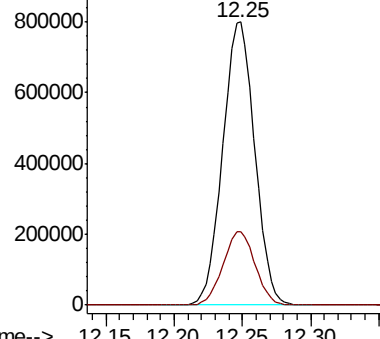
105 100

120 26.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.410 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Tgt Ion: 43 Resp: 560471

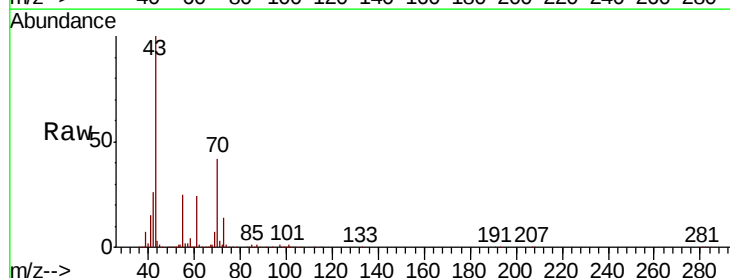
Ion Ratio Lower Upper

43 100

70 41.9 32.2 48.4

55 25.3 20.4 30.6

61 24.2 19.3 28.9

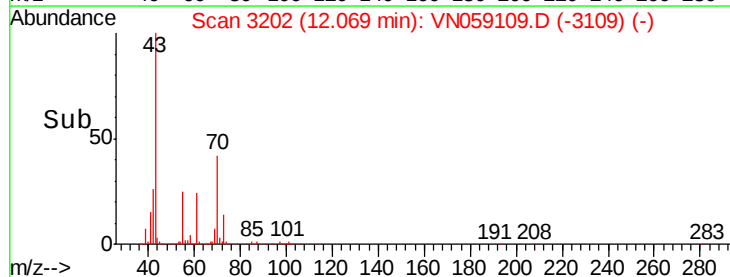
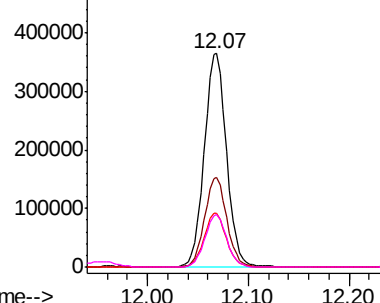


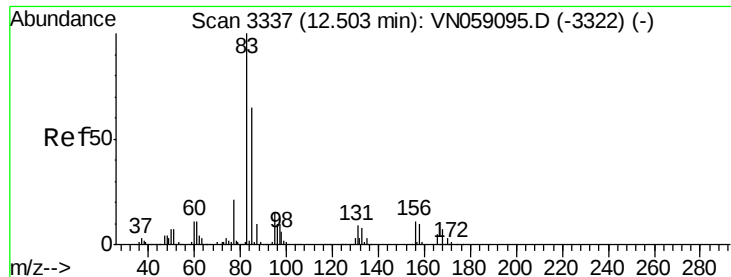
Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC





#75

1,1,2,2-Tetrachloroethane

Concen: 47.220 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

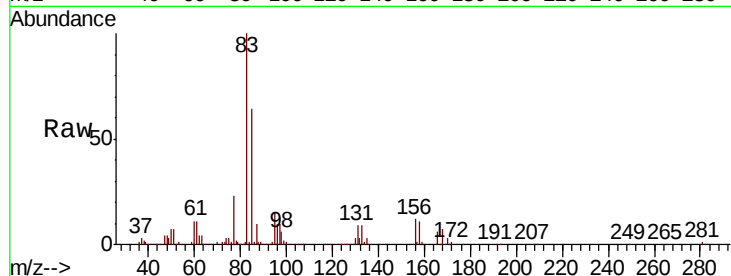
Tot Ion: 83 Resp: 421933

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

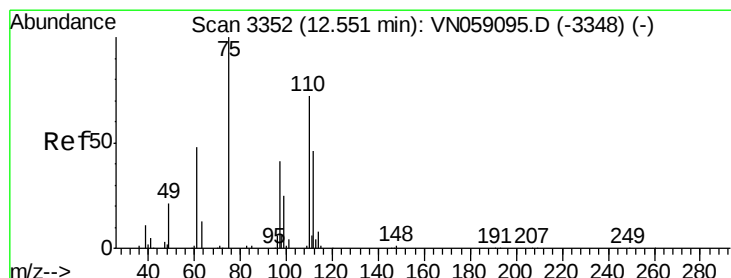
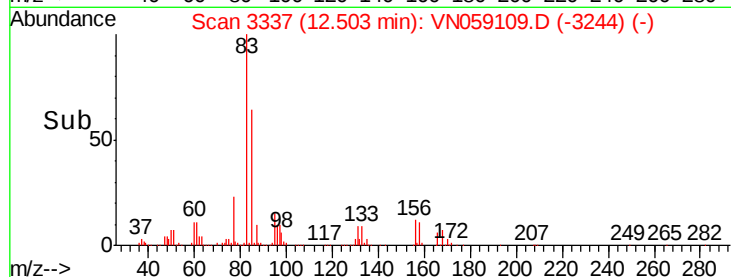
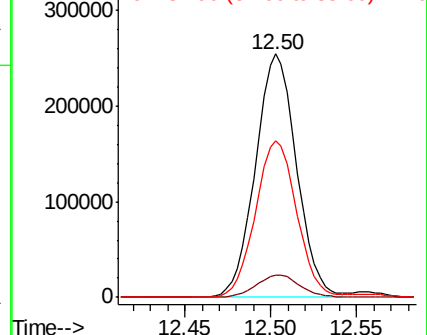
85 64.6 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059109.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059109.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059109.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 68.471 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059109.D

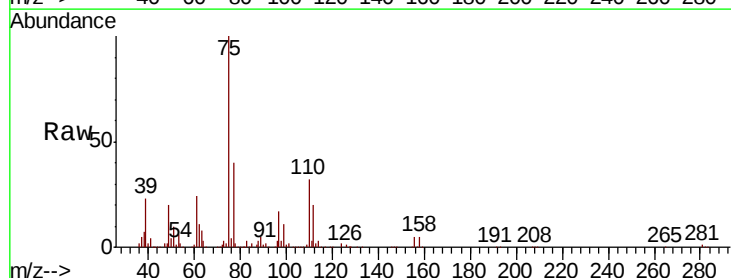
Acq: 7 Nov 2019 9:44

Tgt Ion: 75 Resp: 562302

Ion Ratio Lower Upper

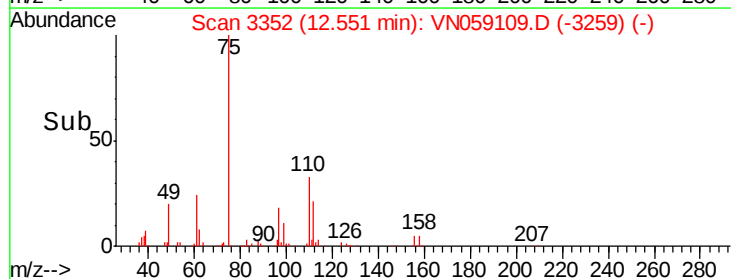
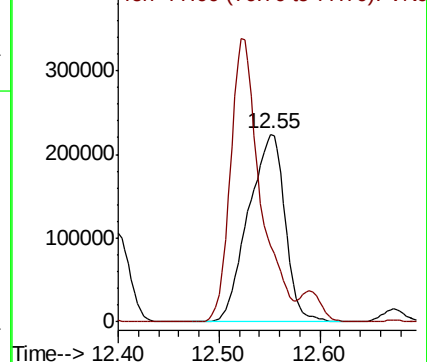
75 100

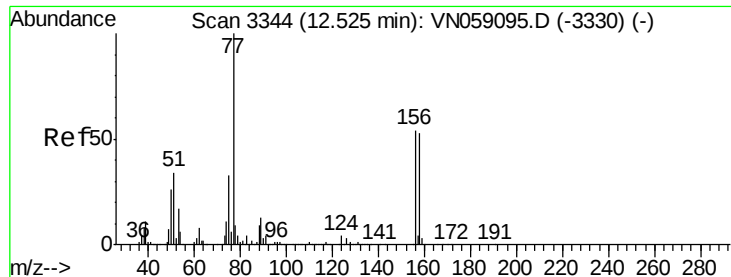
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059109.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN059109.D (-3352) (-)





#77

Bromobenzene

Concen: 46.608 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

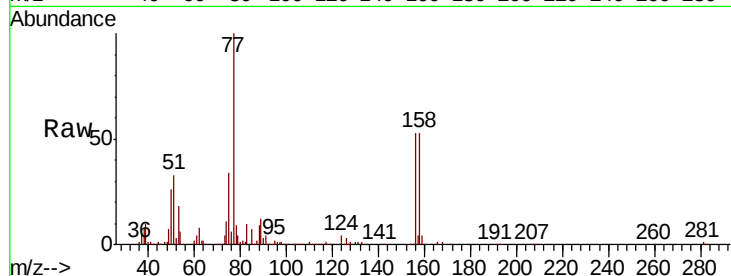
Tot Ion:156 Resp: 307251

Ion Ratio Lower Upper

156 100

77 228.5 112.8 338.3

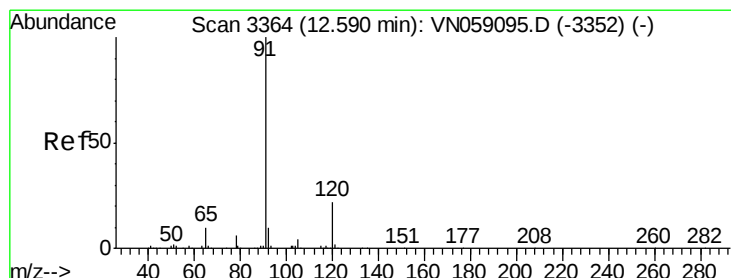
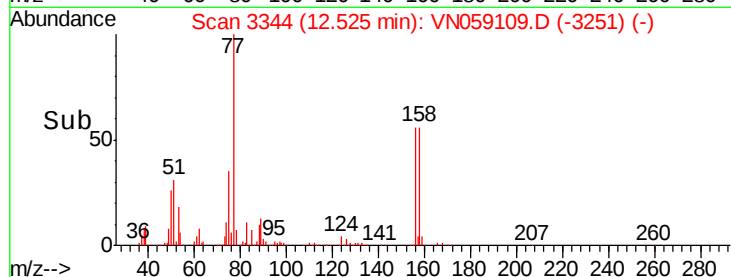
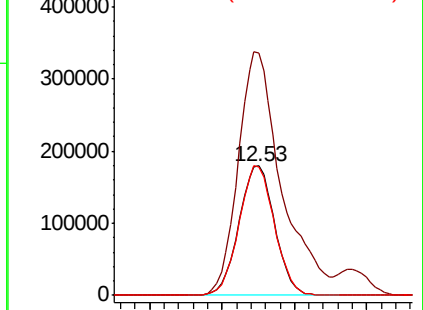
158 99.1 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.478 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059109.D

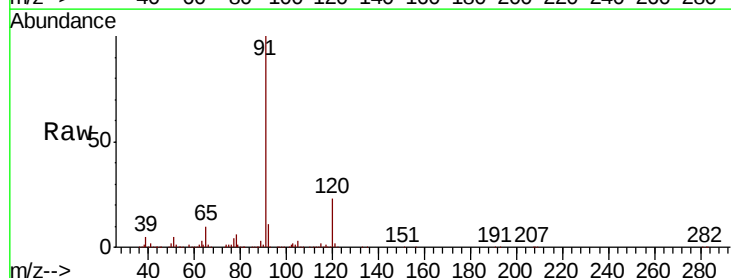
Acq: 7 Nov 2019 9:44

Tgt Ion: 91 Resp: 1516512

Ion Ratio Lower Upper

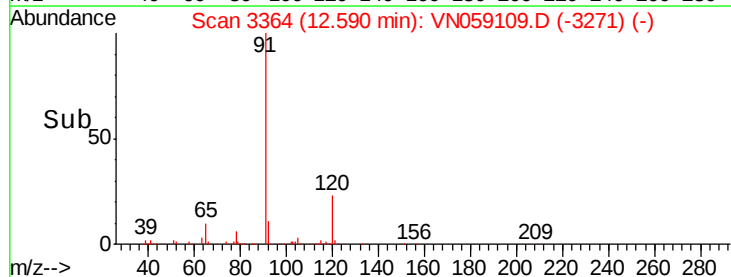
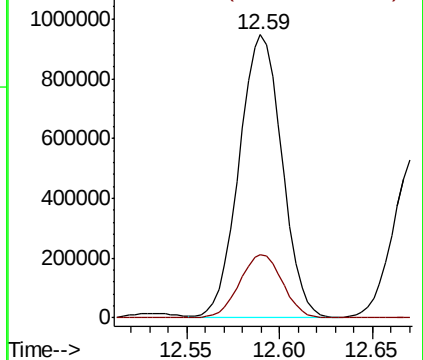
91 100

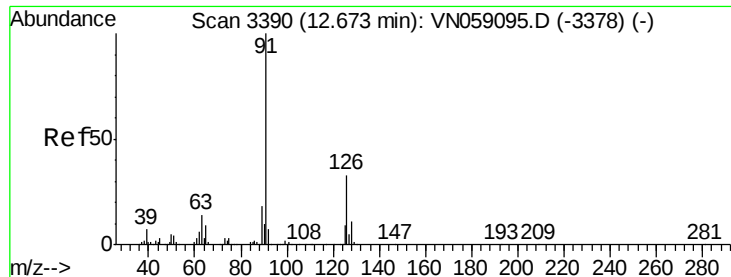
120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.289 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

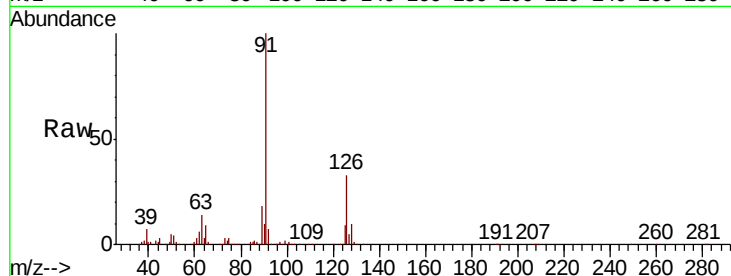
VSTDCCC050

Tot Ion: 91 Resp: 899971

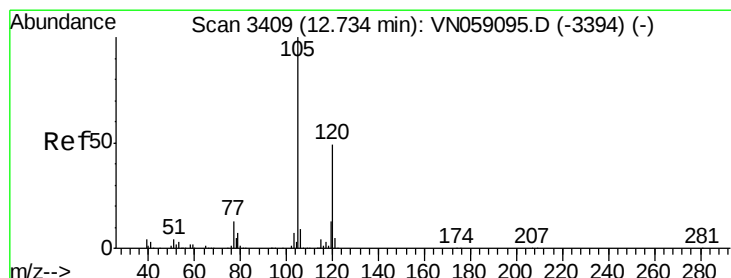
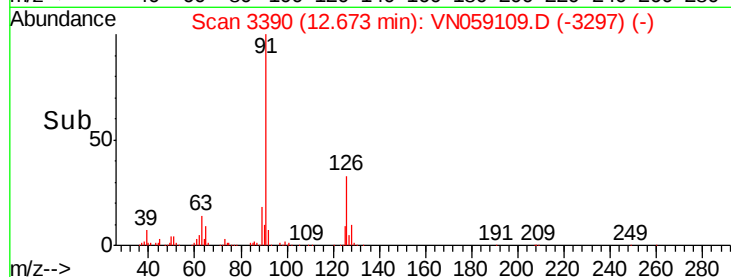
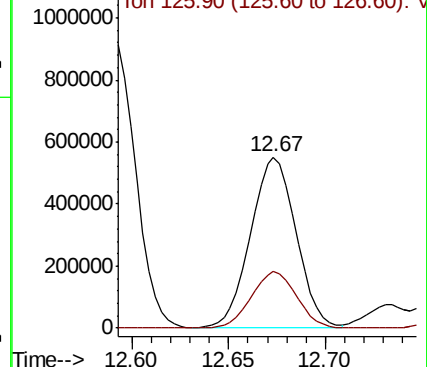
Ion Ratio Lower Upper

91 100

126 33.2 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059109.D (-3397) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.836 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059109.D

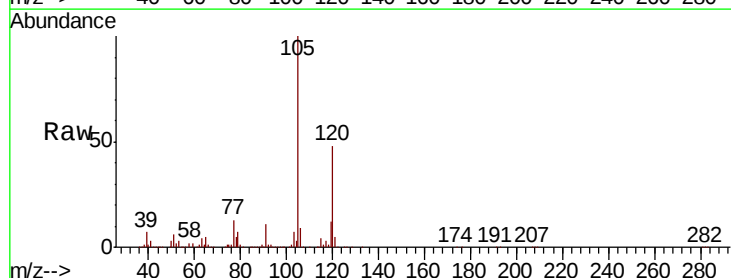
Acq: 7 Nov 2019 9:44

Tgt Ion: 105 Resp: 1108010

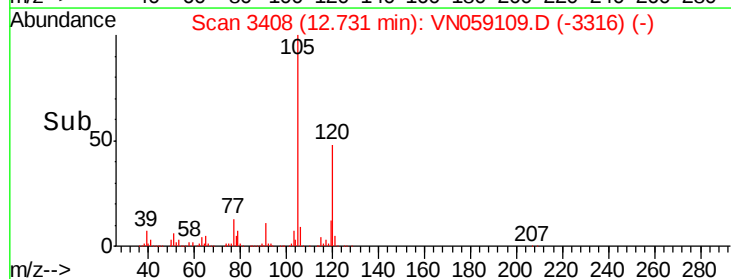
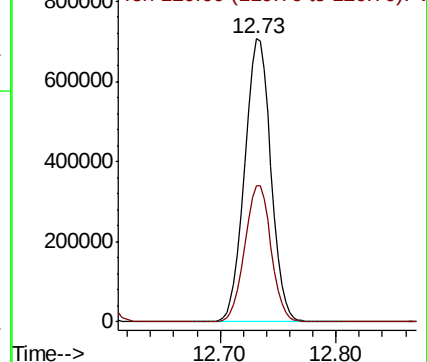
Ion Ratio Lower Upper

105 100

120 48.6 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059109.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.499 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

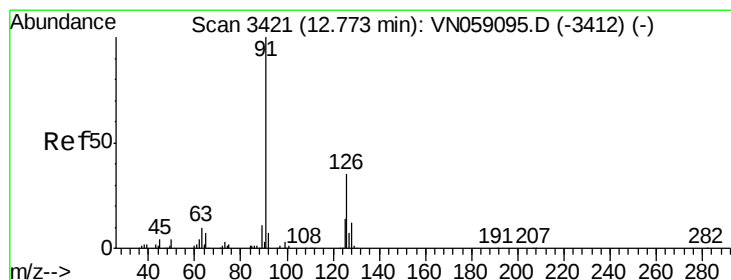
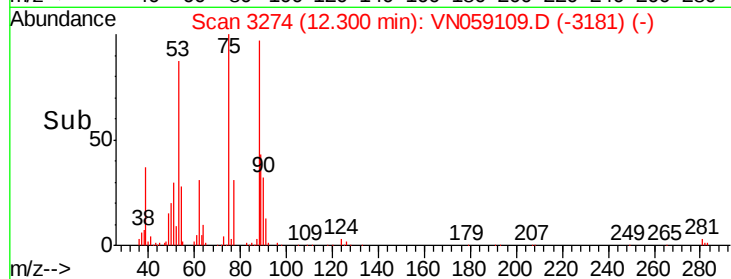
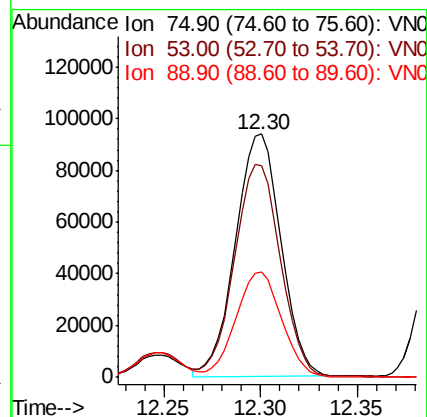
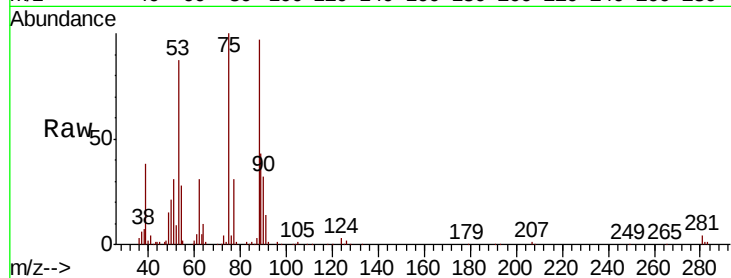
Tot Ion: 75 Resp: 153902

Ion Ratio Lower Upper

75 100

53 89.6 72.2 108.2

89 43.8 35.8 53.8



#82

4-Chlorotoluene

Concen: 49.374 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059109.D

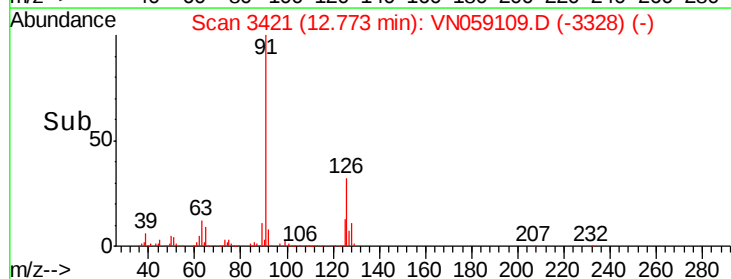
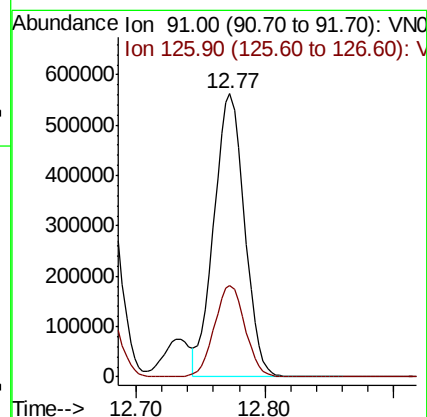
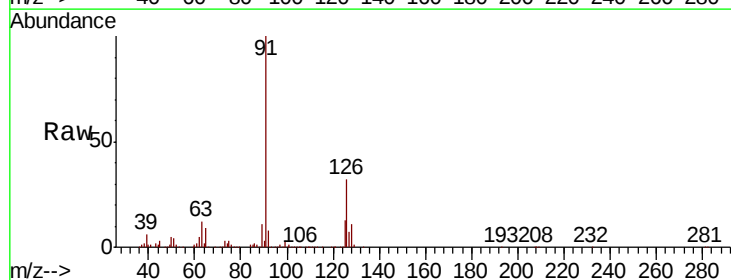
Acq: 7 Nov 2019 9:44

Tgt Ion: 91 Resp: 922932

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.2

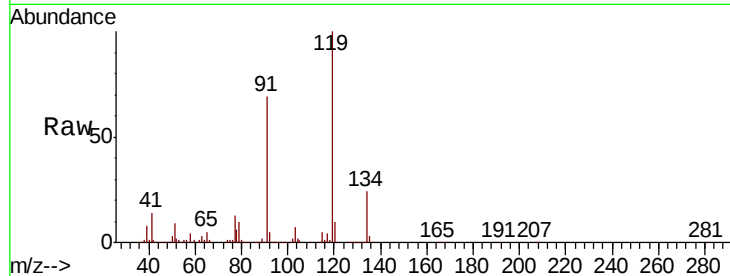




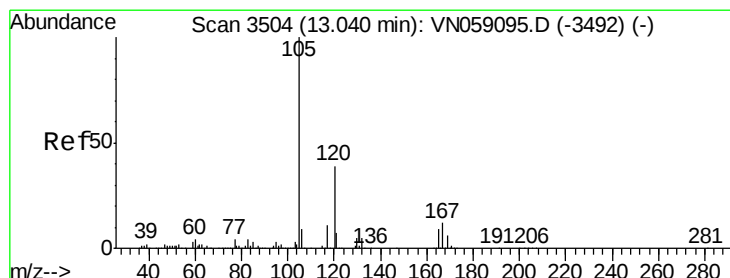
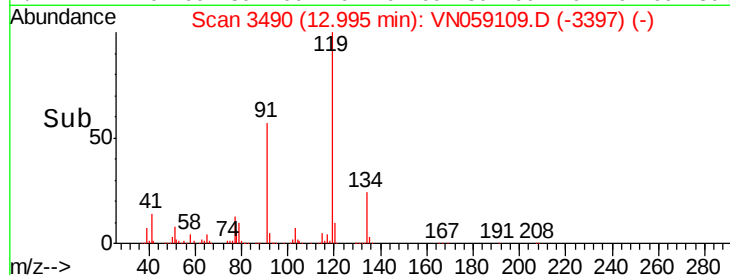
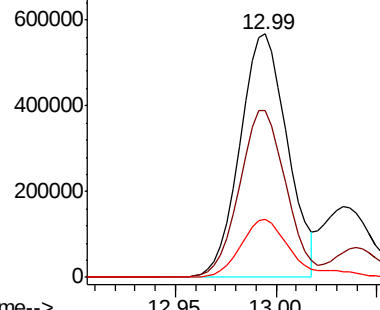
#83
tert-Butylbenzene
Concen: 48.222 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 925864
Ion Ratio Lower Upper
119 100
91 66.9 33.2 99.6
134 25.7 12.7 38.1

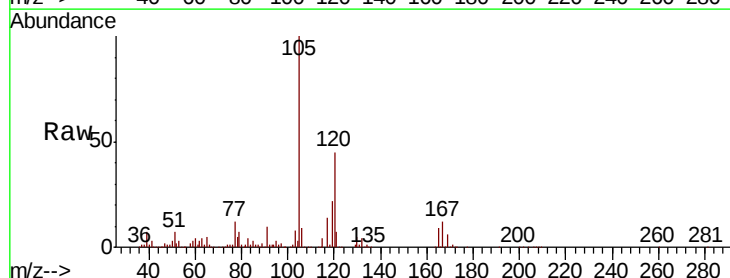


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

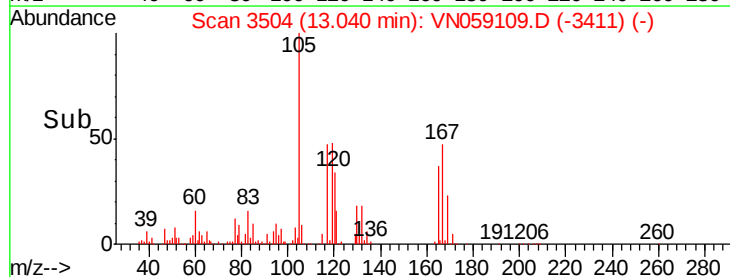
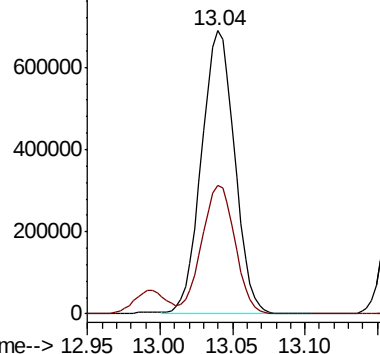


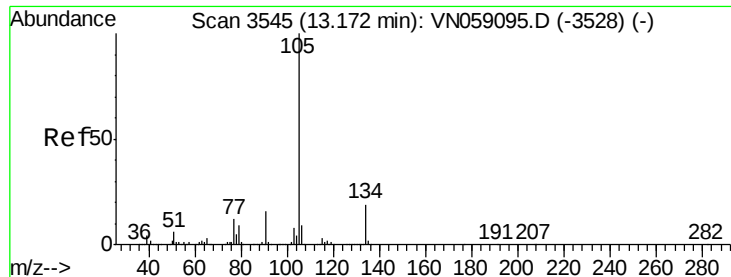
#84
1,2,4-Trimethylbenzene
Concen: 50.782 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion:105 Resp: 1092344
Ion Ratio Lower Upper
105 100
120 45.7 22.8 68.4



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





#85

sec-Butylbenzene

Concen: 50.489 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

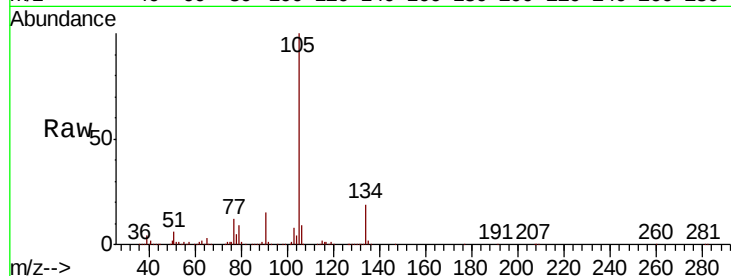
VSTDCCC050

Tot Ion:105 Resp: 1260742

Ion Ratio Lower Upper

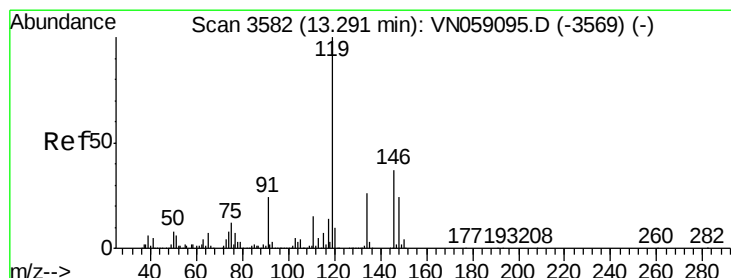
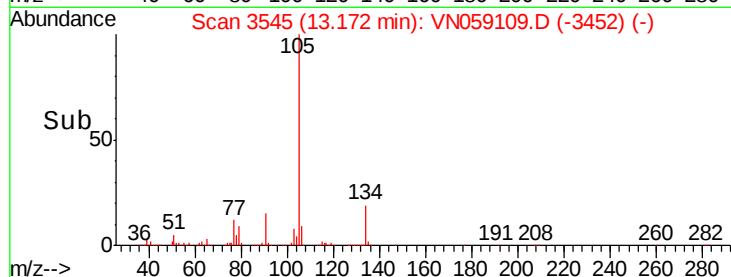
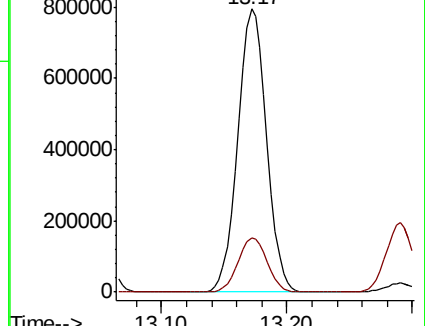
105 100

134 19.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.827 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

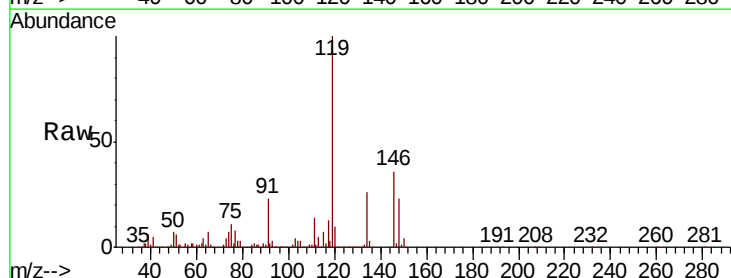
Tgt Ion:119 Resp: 1142692

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

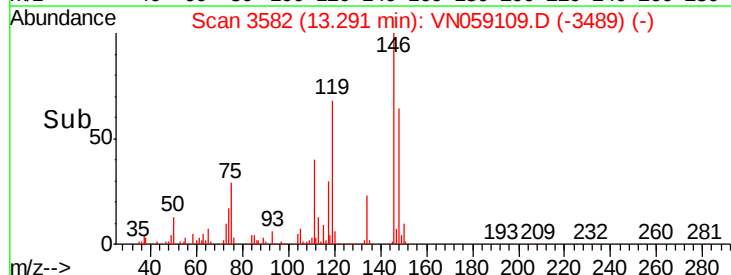
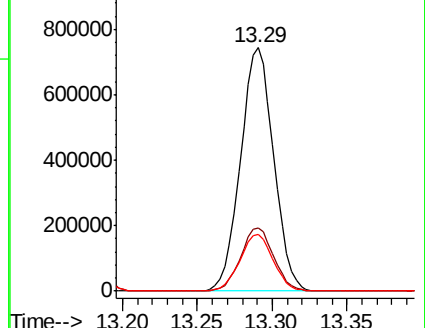
91 23.3 11.7 35.1



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: 49.197 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

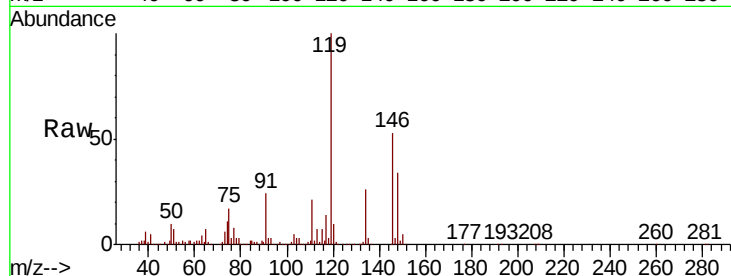
Tot Ion:146 Resp: 555358

Ion Ratio Lower Upper

146 100

111 40.6 20.4 61.3

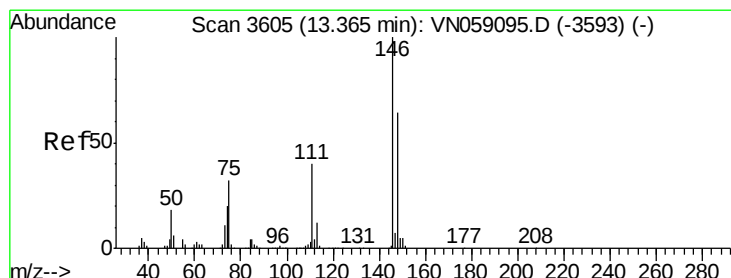
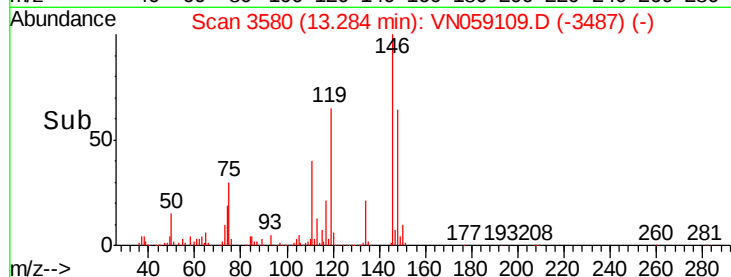
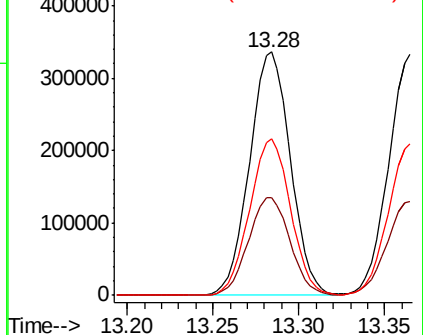
148 64.2 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.457 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

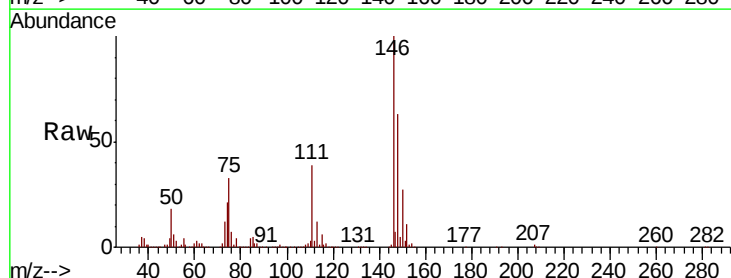
Tgt Ion:146 Resp: 547295

Ion Ratio Lower Upper

146 100

111 40.2 20.3 60.9

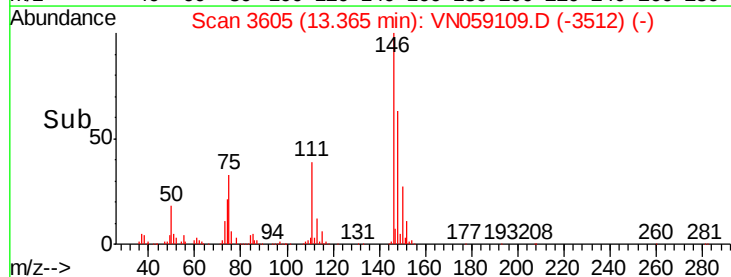
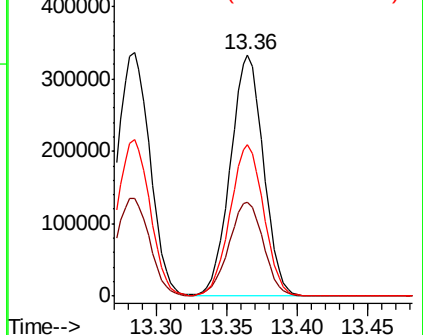
148 63.6 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

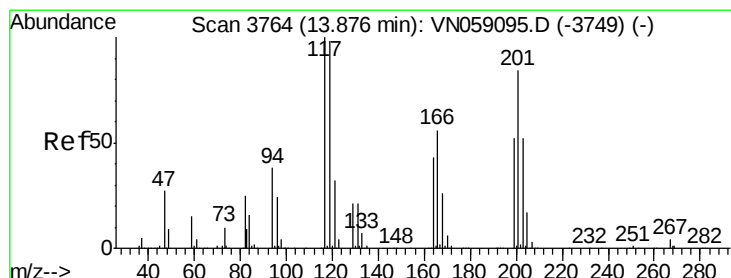
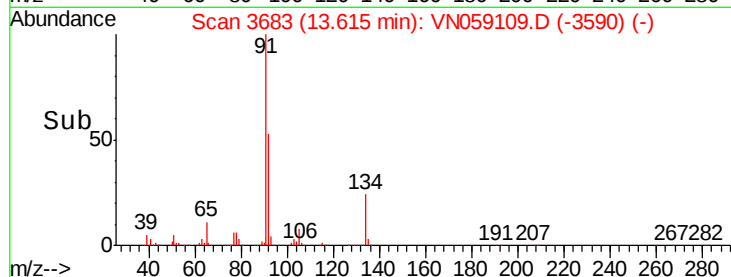
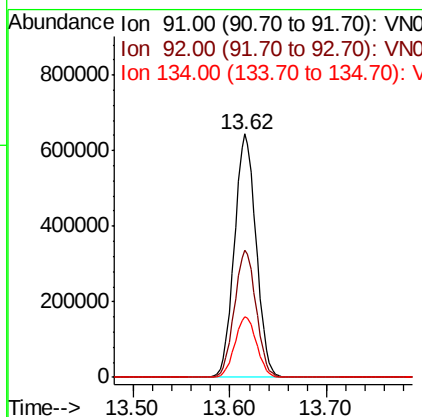
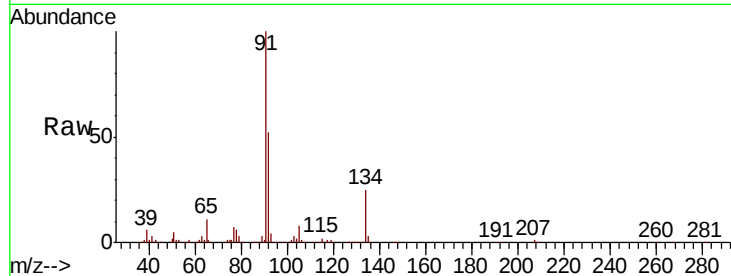




#89
n-Butylbenzene
Concen: 51.964 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

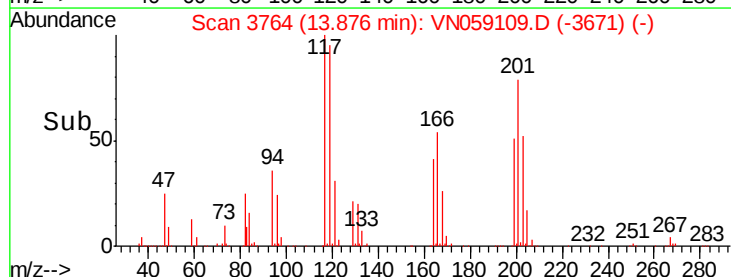
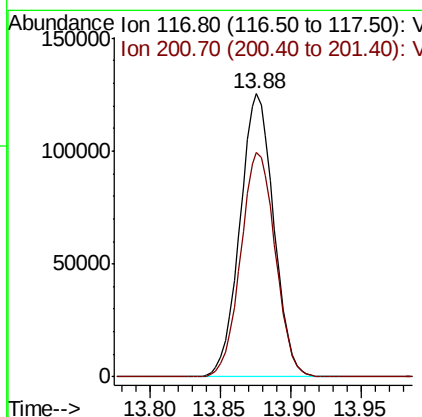
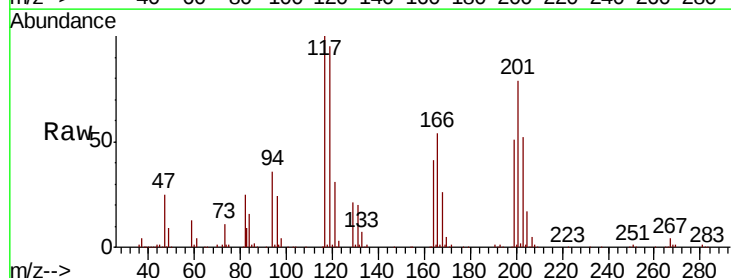
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

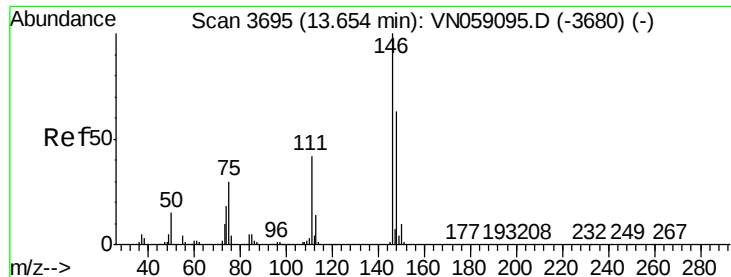
Tot Ion: 91 Resp: 1002769
Ion Ratio Lower Upper
91 100
92 52.3 26.1 78.3
134 25.0 12.6 37.8



#90
Hexachloroethane
Concen: 47.511 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion: 117 Resp: 210347
Ion Ratio Lower Upper
117 100
201 81.1 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 48.901 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

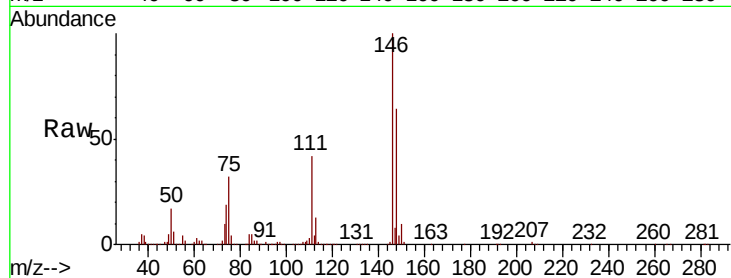
Tot Ion:146 Resp: 543030

Ion Ratio Lower Upper

146 100

111 42.5 21.2 63.6

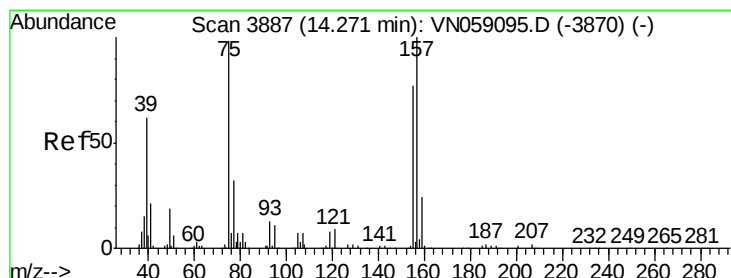
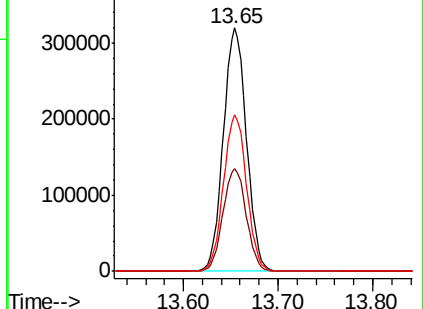
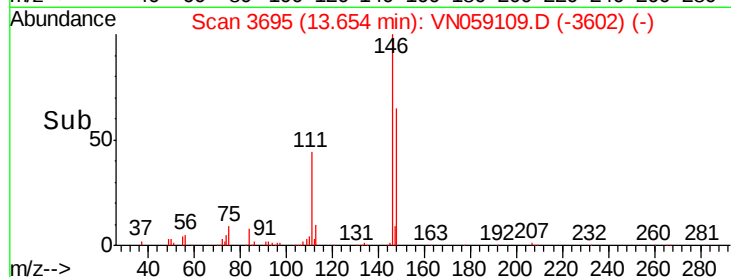
148 64.3 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.260 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

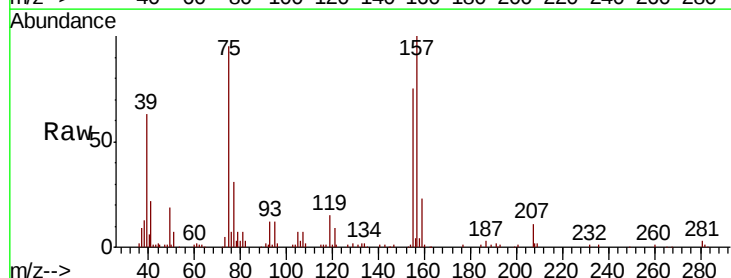
Tgt Ion: 75 Resp: 84248

Ion Ratio Lower Upper

75 100

155 79.8 40.2 120.6

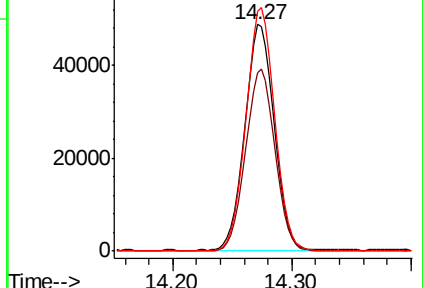
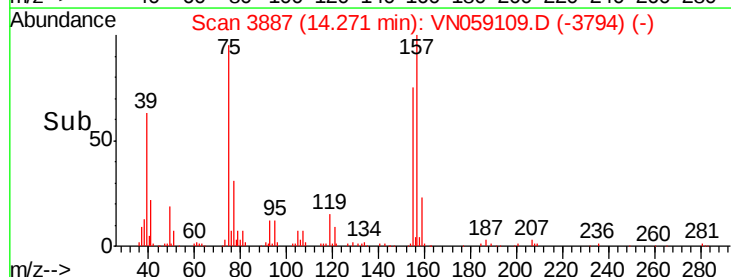
157 104.1 51.8 155.5

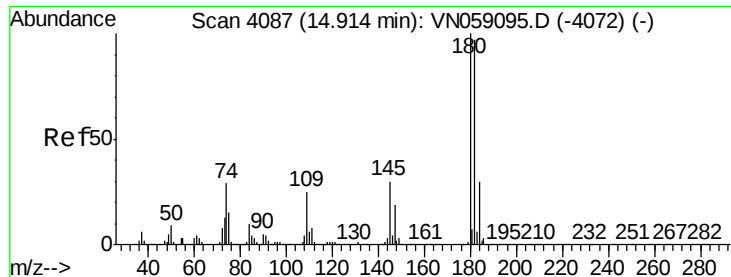


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

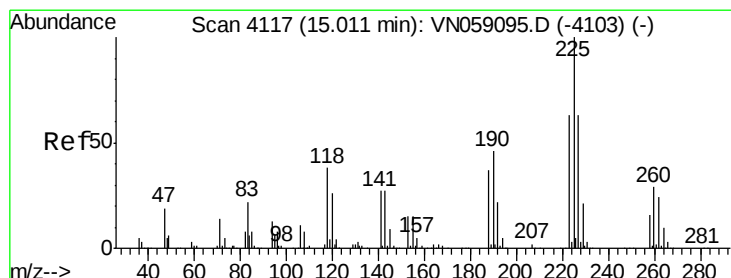
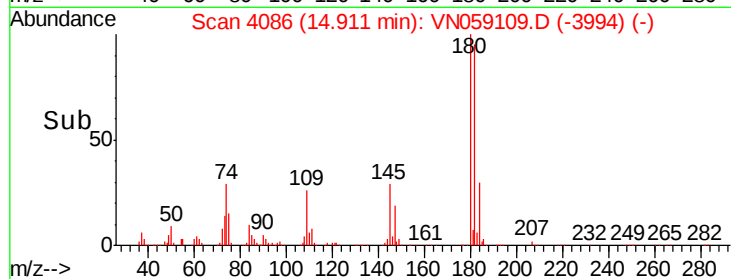
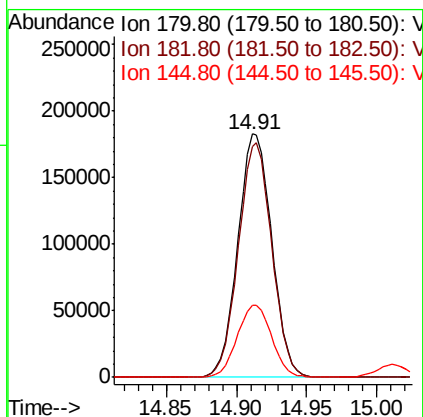
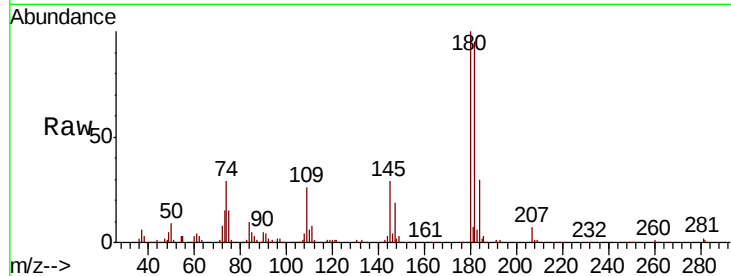




#93
1,2,4-Trichlorobenzene
Concen: 46.118 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

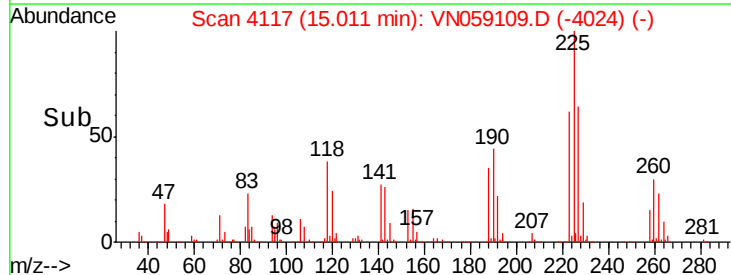
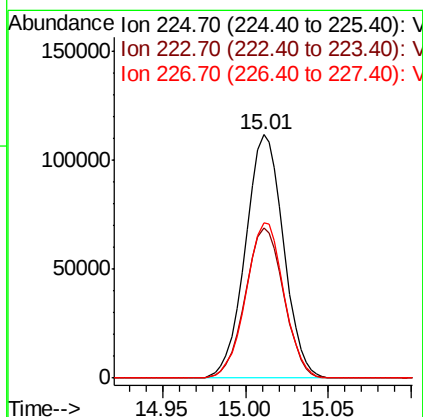
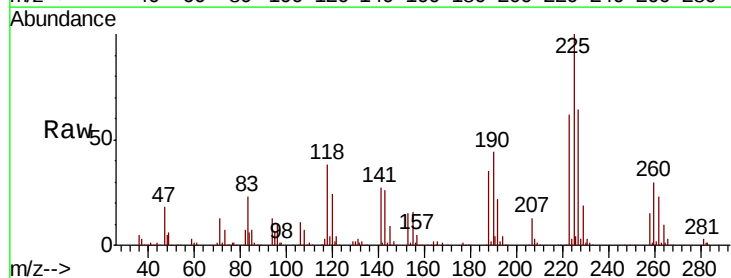
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

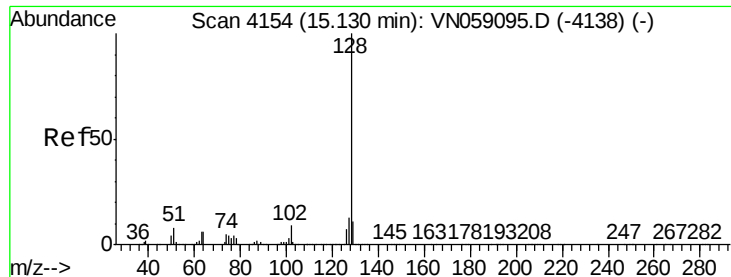
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.3
145	30.0	15.1	45.3



#94
Hexachlorobutadiene
Concen: 46.422 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.3	93.9
227	63.7	31.5	94.5

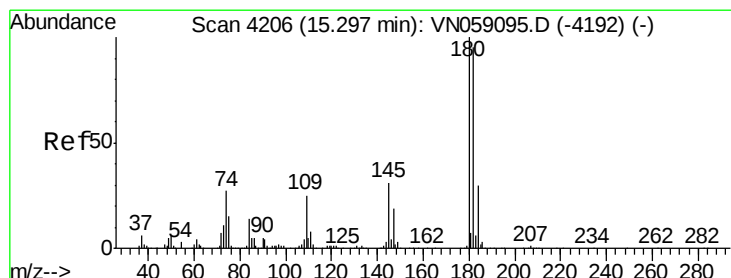
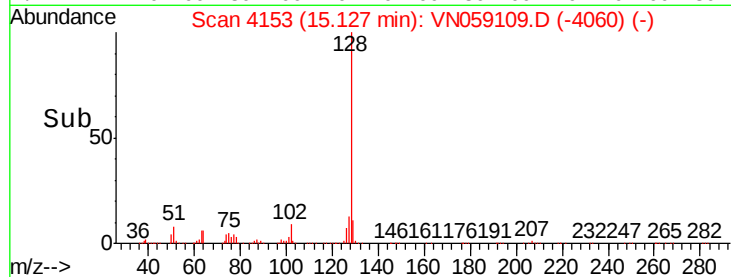
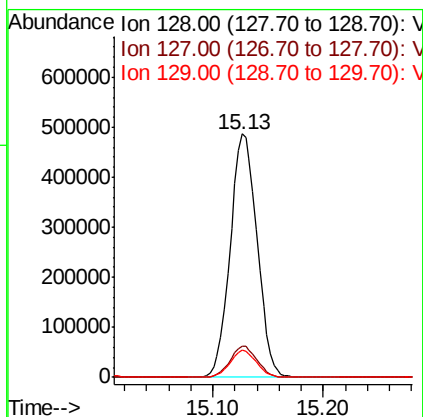
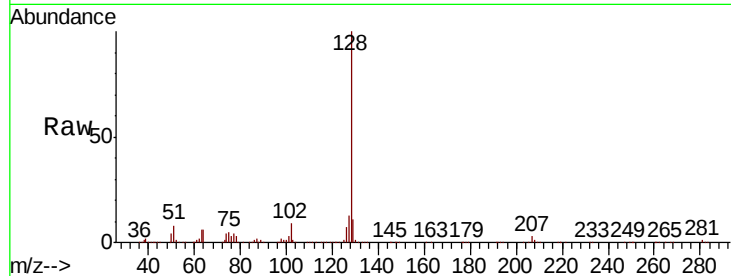




#95
Naphthalene
Concen: 44.382 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 822780
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 48.548 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion:180 Resp: 302129
Ion Ratio Lower Upper
180 100
182 94.7 47.3 141.8
145 32.2 15.8 47.3

