

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110419\
 Data File : VN059073.D
 Acq On : 4 Nov 2019 9:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 05 01:16:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	500041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	777686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	707491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	343102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	284314	42.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.86%	
35) Dibromofluoromethane	7.56	113	220469	43.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.88%	
50) Toluene-d8	10.08	98	880288	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	
62) 4-Bromofluorobenzene	12.40	95	318804	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	256552	47.453	ug/l	98
3) Chloromethane	2.04	50	339081	46.254	ug/l	100
4) Vinyl Chloride	2.17	62	338386	47.554	ug/l	98
5) Bromomethane	2.54	94	189173	44.967	ug/l	100
6) Chloroethane	2.68	64	199294	45.731	ug/l	100
7) Trichlorofluoromethane	3.00	101	395470	46.770	ug/l	100
8) Diethyl Ether	3.38	74	160210	48.518	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	237257	47.604	ug/l	99
10) Methyl Iodide	3.92	142	297838	49.167	ug/l	99
11) Tert butyl alcohol	4.75	59	267602	218.333	ug/l	98
12) 1,1-Dichloroethene	3.71	96	234422	47.295	ug/l	99
13) Acrolein	3.58	56	171997	222.394	ug/l	98
14) Allyl chloride	4.29	41	471768	48.033	ug/l	99
15) Acrylonitrile	4.95	53	723572	235.338	ug/l	99
16) Acetone	3.79	43	906652	270.426	ug/l	100
17) Carbon Disulfide	4.02	76	726723	46.118	ug/l	100
18) Methyl Acetate	4.29	43	368209	43.352	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	813127	48.166	ug/l	99
20) Methylene Chloride	4.52	84	270386	46.068	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	251487	47.262	ug/l	98
22) Diisopropyl ether	5.92	45	927747	49.591	ug/l	99
23) Vinyl Acetate	5.86	43	3837193	257.524	ug/l	100
24) 1,1-Dichloroethane	5.81	63	502418	46.974	ug/l	100
25) 2-Butanone	6.80	43	1077595	241.383	ug/l	99
26) 2,2-Dichloropropane	6.79	77	432582	46.596	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	290405	48.469	ug/l	99
28) Bromochloromethane	7.17	49	137697	41.714	ug/l	99
29) Tetrahydrofuran	7.18	42	648769	230.271	ug/l	100
30) Chloroform	7.35	83	480757	47.005	ug/l	98
31) Cyclohexane	7.63	56	466742	45.751	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	410970	47.493	ug/l	99
36) 1,1-Dichloropropene	7.77	75	378999	49.034	ug/l	99
37) Ethyl Acetate	6.90	43	401290	46.727	ug/l	99
38) Carbon Tetrachloride	7.75	117	365251	48.488	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	443217	49.611	ug/l	98
40) Benzene	8.02	78	1116514	48.675	ug/l	99
41) Methacrylonitrile	7.18	41	567319	152.770	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	384081	48.213	ug/l	99
43) Isopropyl Acetate	8.14	43	634089	47.214	ug/l	98
44) Trichloroethene	8.82	130	274311	48.604	ug/l	96
45) 1,2-Dichloropropane	9.10	63	303950	48.996	ug/l	99
46) Dibromomethane	9.19	93	184221	48.049	ug/l	99
47) Bromodichloromethane	9.39	83	378533	48.750	ug/l	100
48) Methyl methacrylate	9.18	41	294418	48.079	ug/l	99
49) 1,4-Dioxane	9.18	88	103079	1031.931	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1970819	252.612	ug/l	99
52) Toluene	10.14	92	679647	50.567	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	441364	49.157	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	480075	50.692	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	263582	48.142	ug/l	99
56) Ethyl methacrylate	10.42	69	420027	45.399	ug/l	99
57) 1,3-Dichloropropane	10.70	76	469484	49.306	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	831177	231.559	ug/l	100
59) 2-Hexanone	10.74	43	1527211	257.671	ug/l	100
60) Dibromochloromethane	10.90	129	287596	48.741	ug/l	98
61) 1,2-Dibromoethane	11.00	107	272340	49.101	ug/l	100
64) Tetrachloroethene	10.62	164	238062	48.170	ug/l	99
65) Chlorobenzene	11.43	112	711042	48.968	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	261846	49.014	ug/l	99
67) Ethyl Benzene	11.51	91	1303126	51.842	ug/l	100
68) m/p-Xylenes	11.62	106	971261	103.476	ug/l	100
69) o-Xylene	11.95	106	462737	51.627	ug/l	99
70) Styrene	11.96	104	767618	52.849	ug/l	100
71) Bromoform	12.13	173	206529	49.945	ug/l	98
73) Isopropylbenzene	12.25	105	1253801	49.673	ug/l	100
74) N-amyl acetate	12.07	43	542404	48.308	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	400542	44.547	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	537290	66.175	ug/l #	100
77) Bromobenzene	12.53	156	299962	47.528	ug/l	99
78) n-propylbenzene	12.59	91	1490492	50.985	ug/l	100
79) 2-Chlorotoluene	12.67	91	879250	48.437	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1079590	50.325	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	148684	46.945	ug/l	98
82) 4-Chlorotoluene	12.77	91	913383	49.303	ug/l	100
83) tert-Butylbenzene	12.99	119	895154	49.121	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1075264	51.585	ug/l	100
85) sec-Butylbenzene	13.17	105	1222791	51.197	ug/l	100
86) p-Isopropyltoluene	13.29	119	1107998	51.457	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	542538	48.382	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	537326	48.442	ug/l	100
89) n-Butylbenzene	13.62	91	991858	52.864	ug/l	99
90) Hexachloroethane	13.88	117	201500	47.076	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	528653	47.379	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82686	42.575	ug/l	98

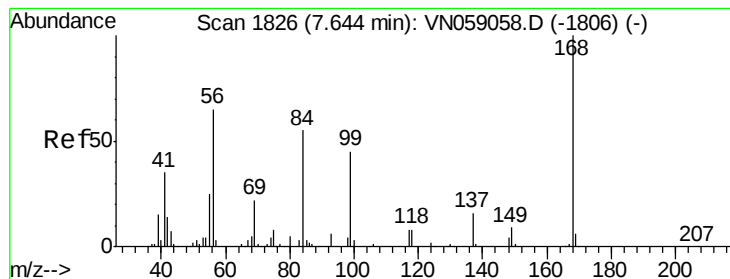
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QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	310499	51.594	ug/l	100
94) Hexachlorobutadiene	15.01	225	174938	48.434	ug/l	99
95) Naphthalene	15.13	128	843375	45.261	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	304195	49.665	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

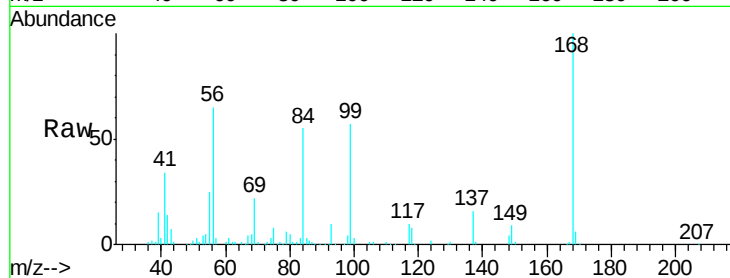
VSTDCCC050

Tgt Ion:168 Resp: 500041

Ion Ratio Lower Upper

168 100

99 56.7 44.1 66.1



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

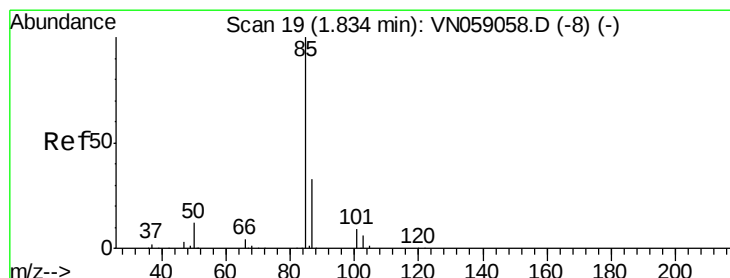
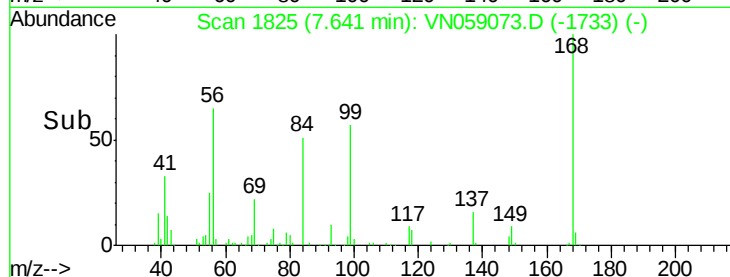
7.50

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.453 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059073.D

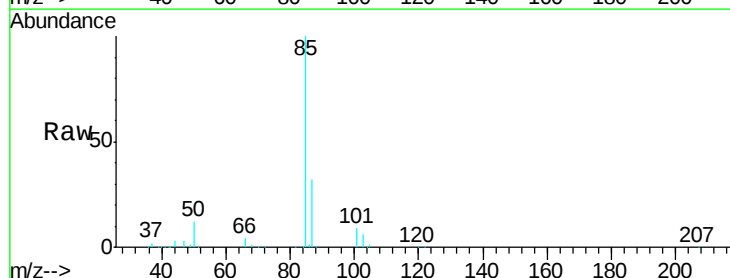
Acq: 4 Nov 2019 9:49

Tgt Ion: 85 Resp: 256552

Ion Ratio Lower Upper

85 100

87 31.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

100000

50000

0

1.75

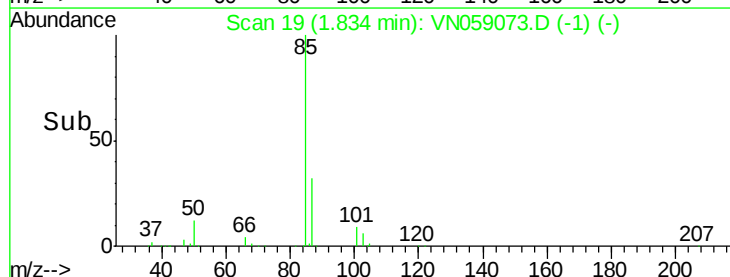
1.80

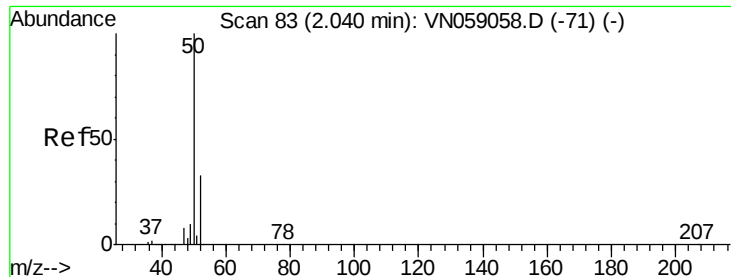
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 46.254 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

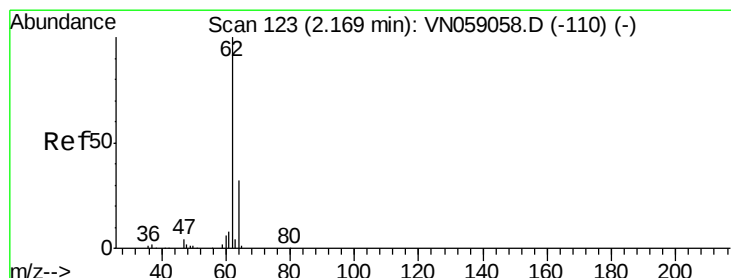
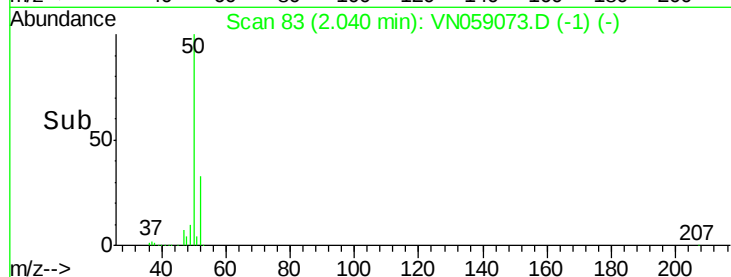
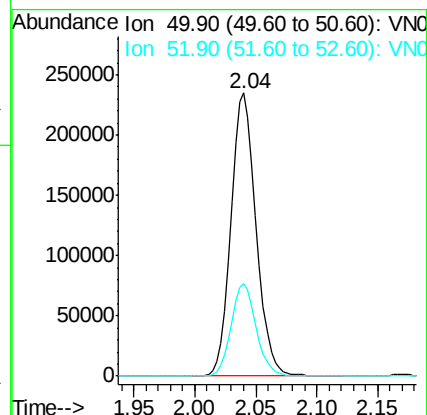
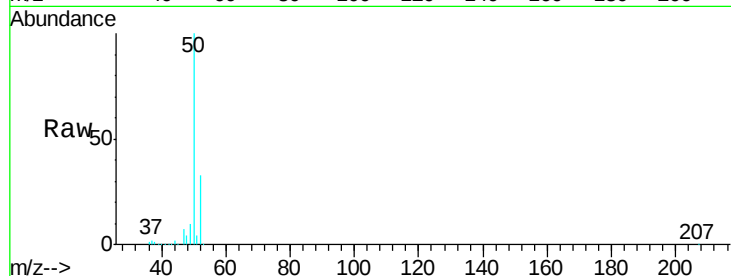
VSTDCCC050

Tgt Ion: 50 Resp: 339081

Ion Ratio Lower Upper

50 100

52 32.8 26.3 39.5



#4

Vinyl Chloride

Concen: 47.554 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059073.D

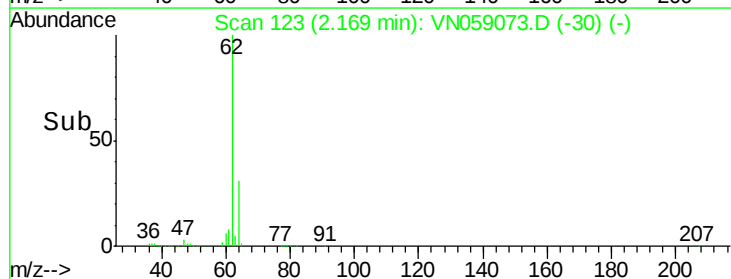
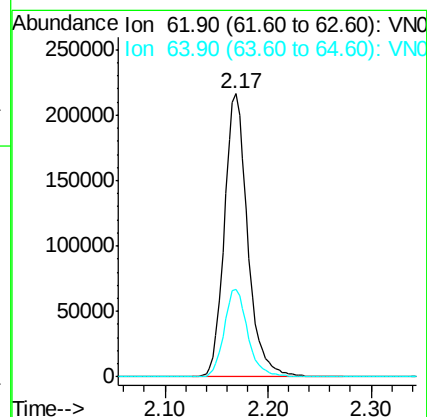
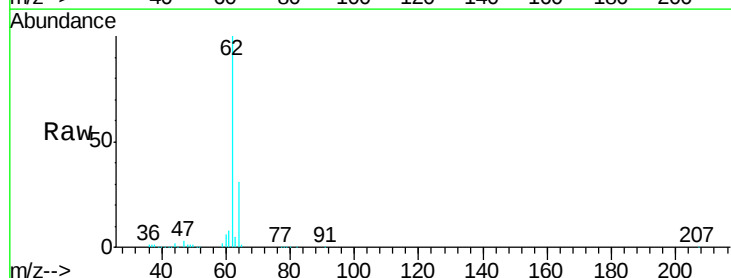
Acq: 4 Nov 2019 9:49

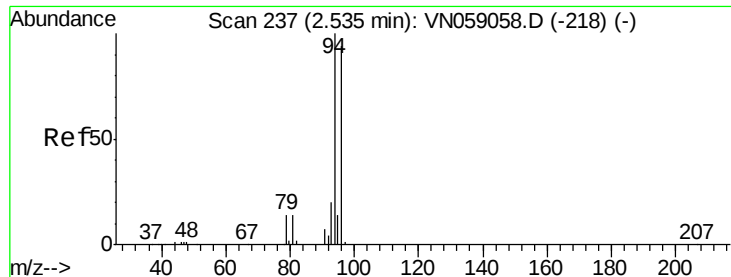
Tgt Ion: 62 Resp: 338386

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.8

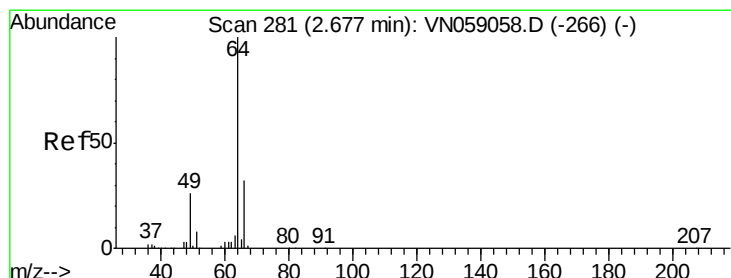
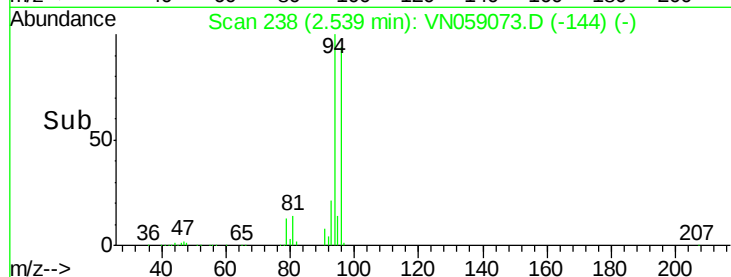
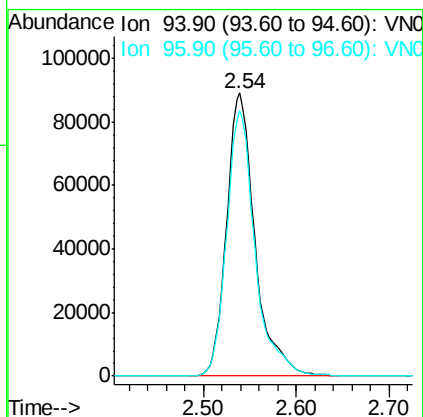
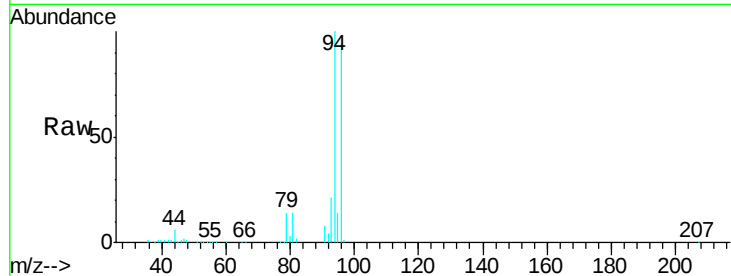




#5
Bromomethane
Concen: 44.967 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

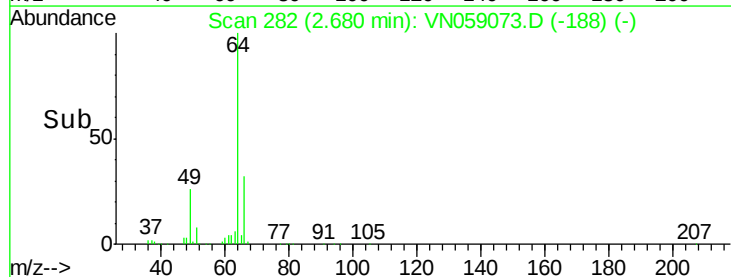
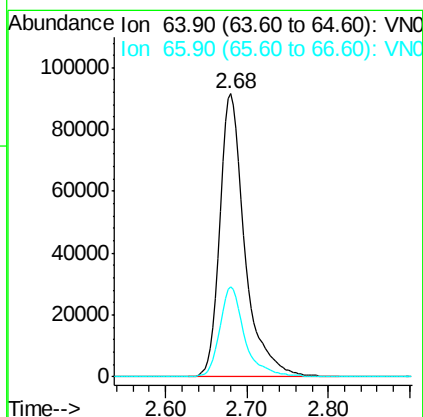
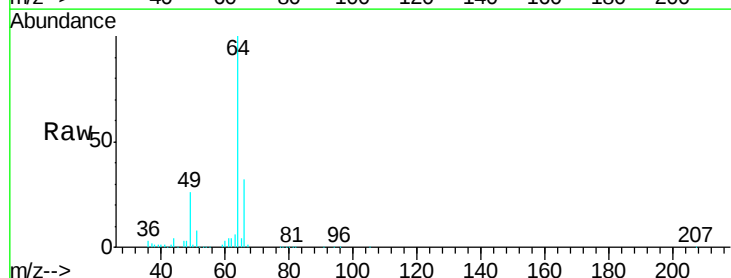
Instrument :
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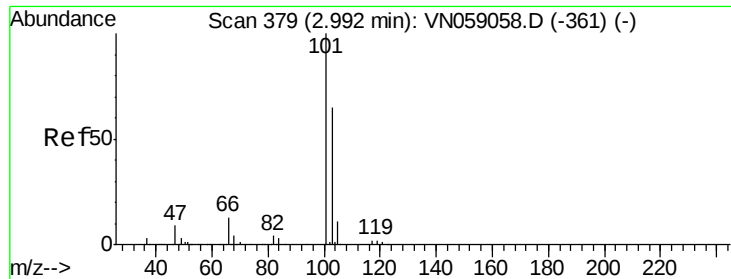
Tgt Ion: 94 Resp: 189173
Ion Ratio Lower Upper
94 100
96 93.6 75.1 112.7



#6
Chloroethane
Concen: 45.731 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion: 64 Resp: 199294
Ion Ratio Lower Upper
64 100
66 31.9 25.6 38.4



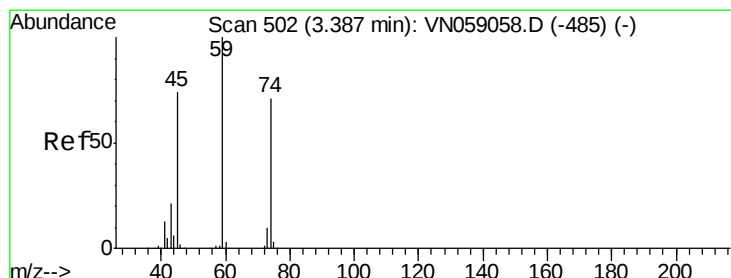
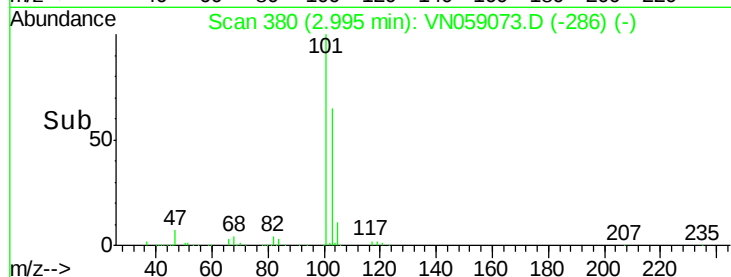
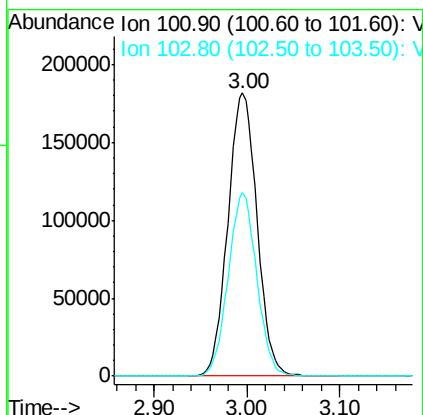
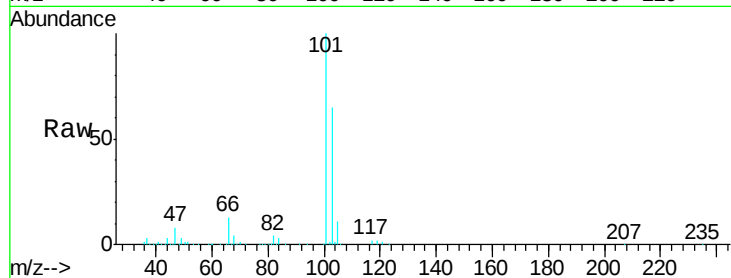


#7

Trichlorofluoromethane
Concen: 46.770 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
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ClientSampleId :
VSTDCCC050

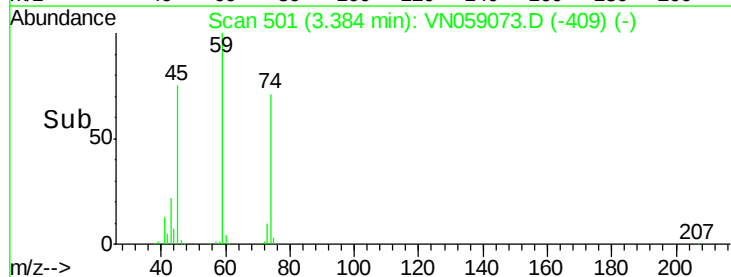
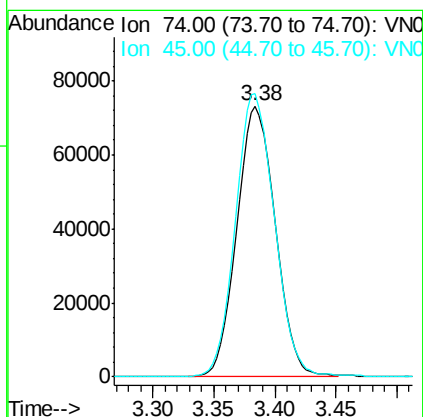
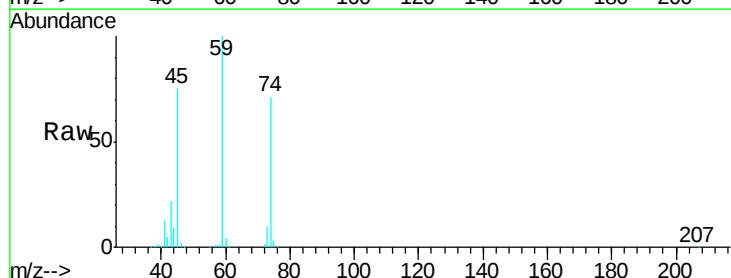
Tgt Ion: 101 Resp: 395470
Ion Ratio Lower Upper
101 100
103 64.9 51.7 77.5

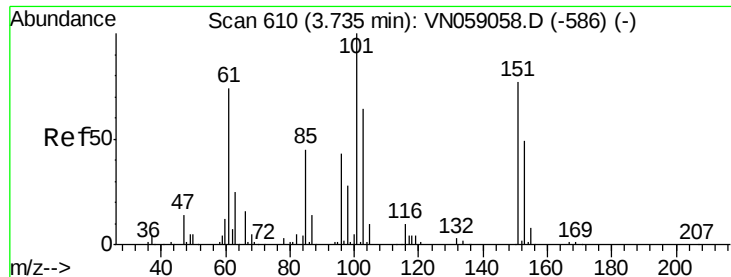


#8

Diethyl Ether
Concen: 48.518 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion: 74 Resp: 160210
Ion Ratio Lower Upper
74 100
45 106.2 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.604 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

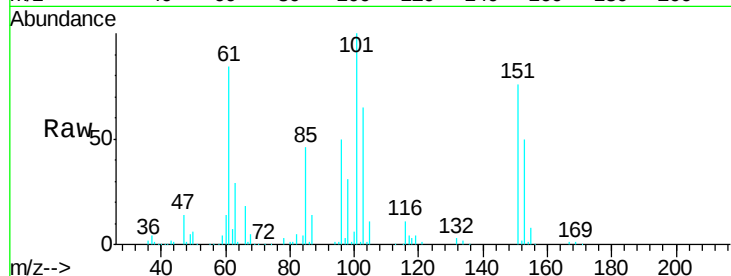
Tgt Ion:101 Resp: 237257

Ion Ratio Lower Upper

101 100

85 44.4 35.0 52.6

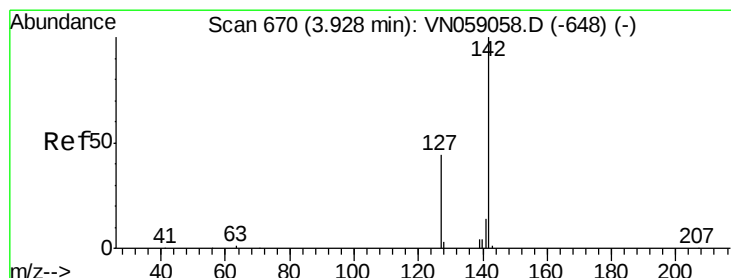
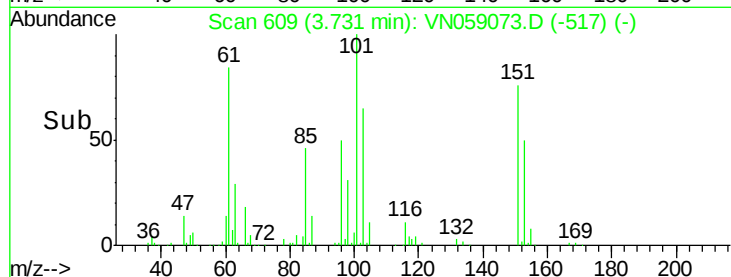
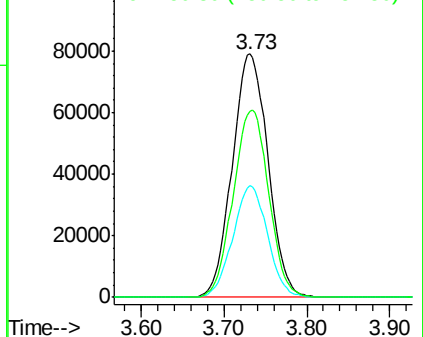
151 76.4 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.167 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

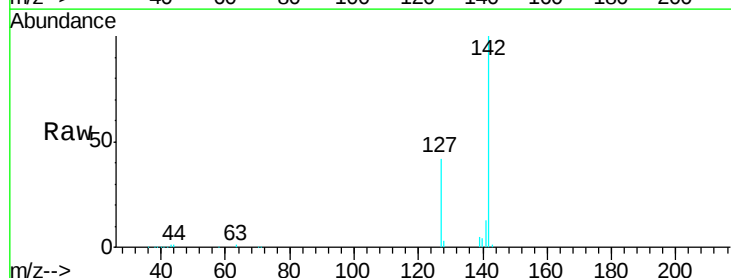
Tgt Ion:142 Resp: 297838

Ion Ratio Lower Upper

142 100

127 43.5 34.2 51.2

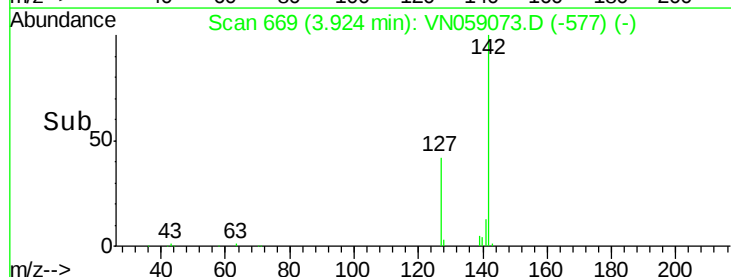
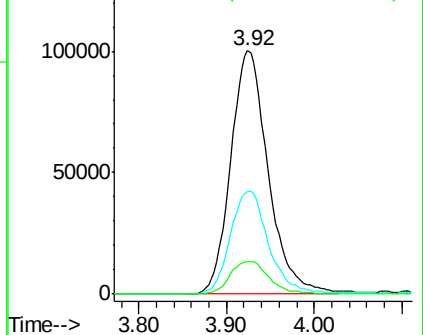
141 14.1 11.1 16.7

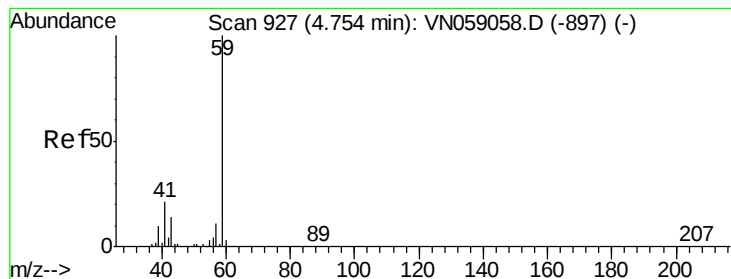


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



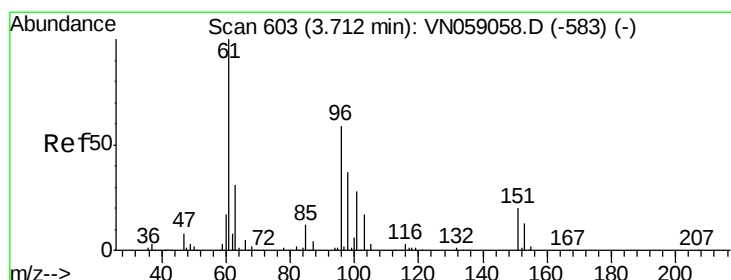
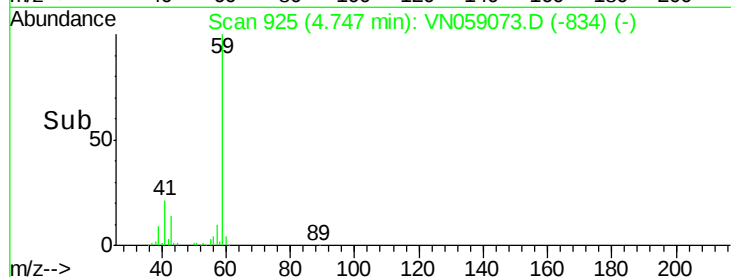
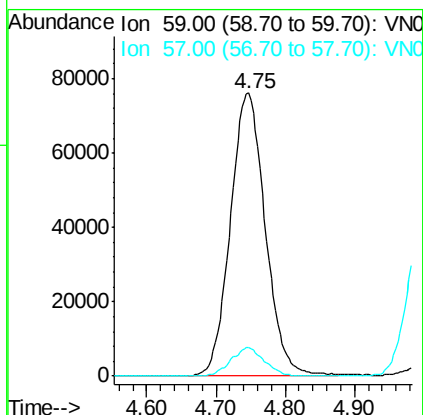
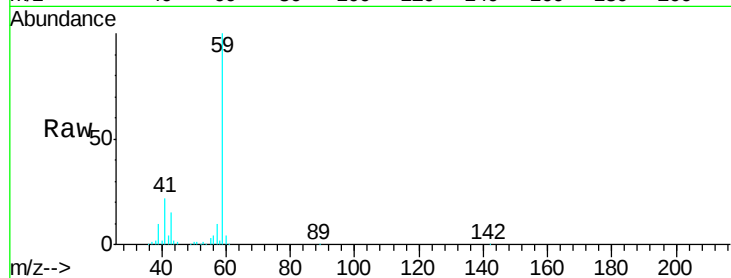


#11

Tert butyl alcohol
 Concen: 218.333 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

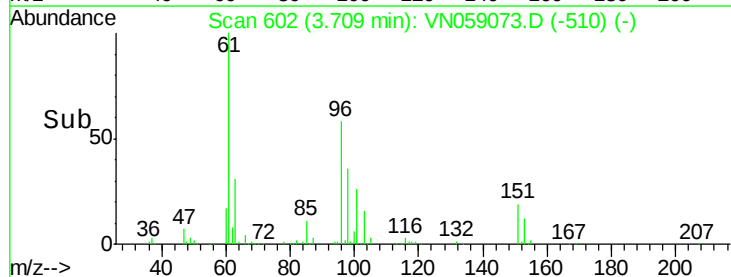
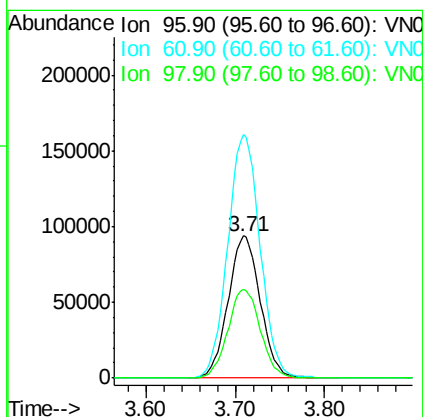
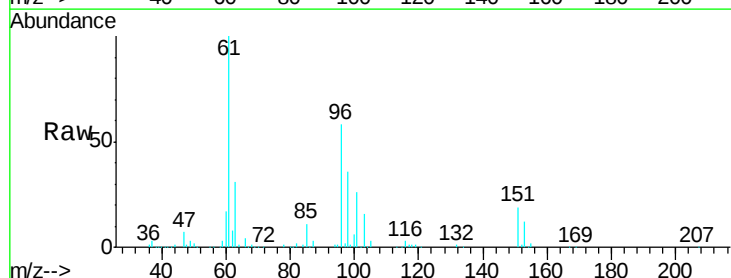
Tgt Ion: 59 Resp: 267602
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.2 12.4

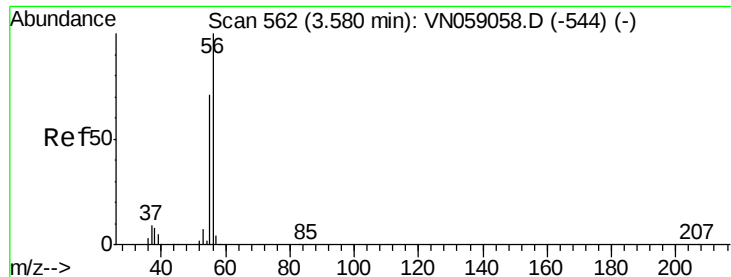


#12

1,1-Dichloroethene
 Concen: 47.295 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion: 96 Resp: 234422
 Ion Ratio Lower Upper
 96 100
 61 171.2 135.3 202.9
 98 62.5 49.4 74.2





#13

Acrolein

Concen: 222.394 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

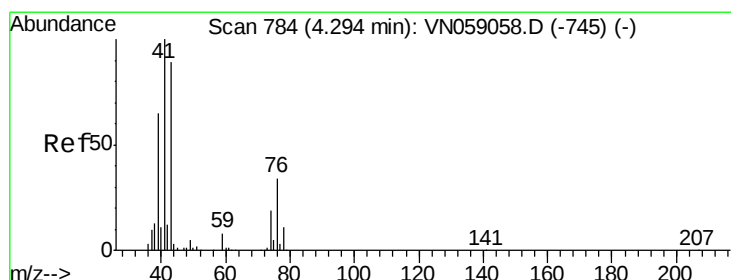
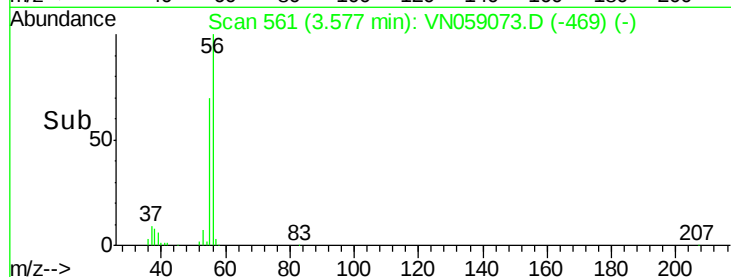
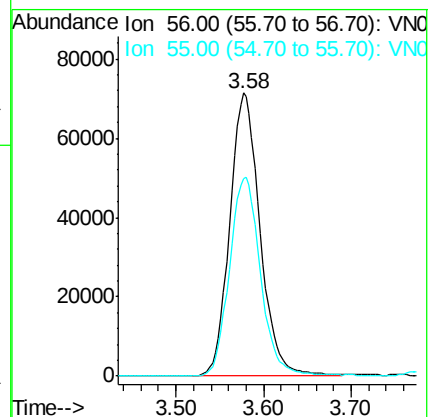
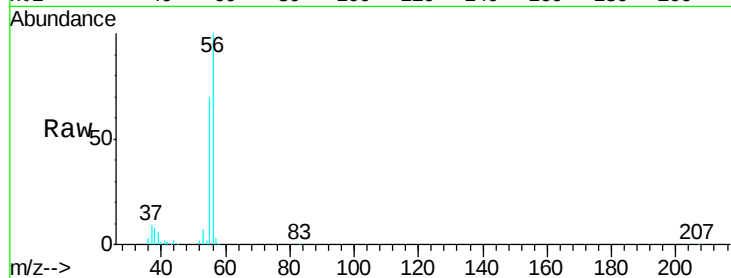
VSTDCCC050

Tgt Ion: 56 Resp: 171997

Ion Ratio Lower Upper

56 100

55 71.7 56.1 84.1



#14

Allyl chloride

Concen: 48.033 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

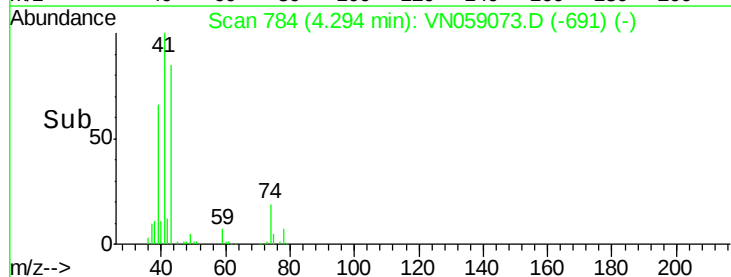
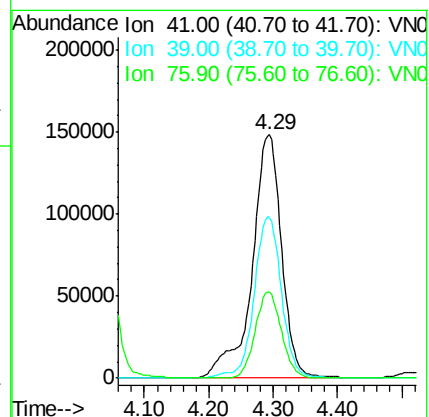
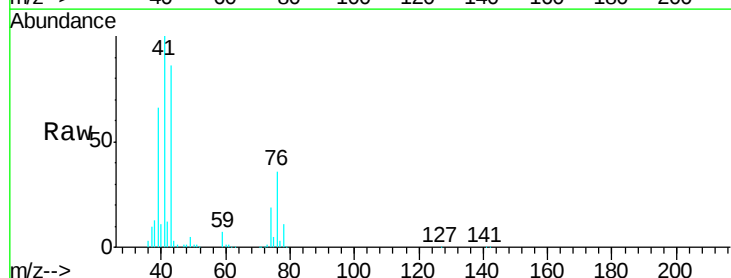
Tgt Ion: 41 Resp: 471768

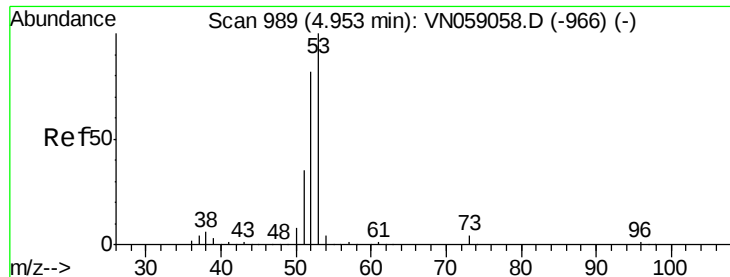
Ion Ratio Lower Upper

41 100

39 61.8 49.4 74.2

76 31.6 24.6 37.0





#15

Acrylonitrile

Concen: 235.338 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.01 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

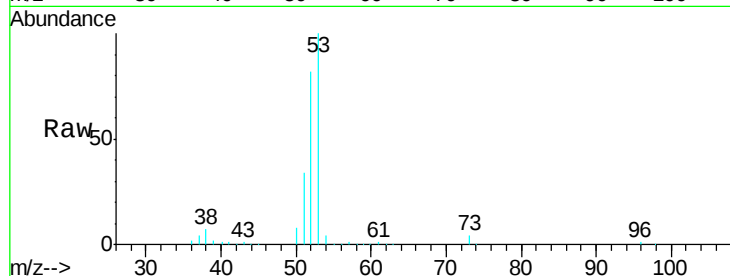
Tgt Ion: 53 Resp: 723572

Ion Ratio Lower Upper

53 100

52 81.6 66.0 99.0

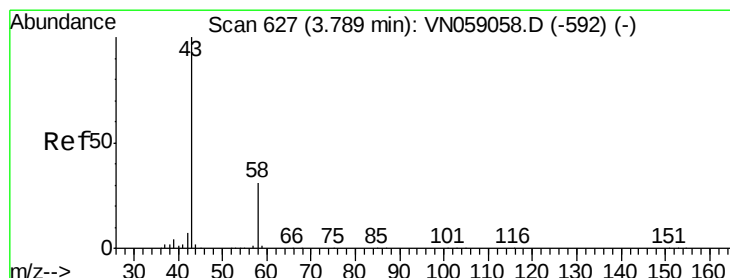
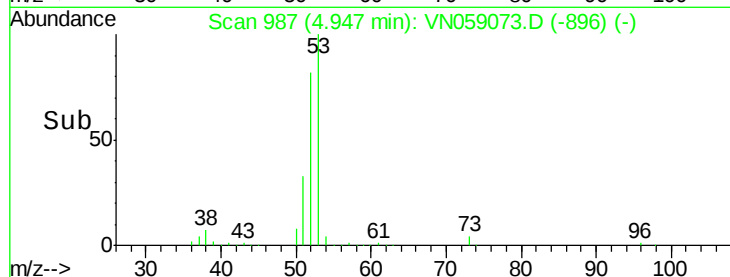
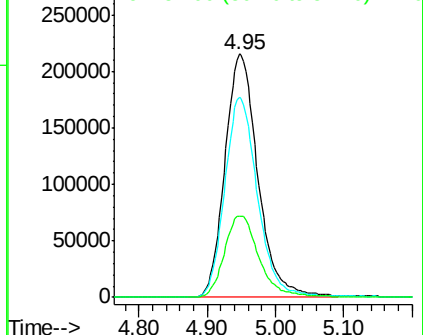
51 35.4 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN059058.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059058.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059058.D (-966) (-)



#16

Acetone

Concen: 270.426 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059073.D

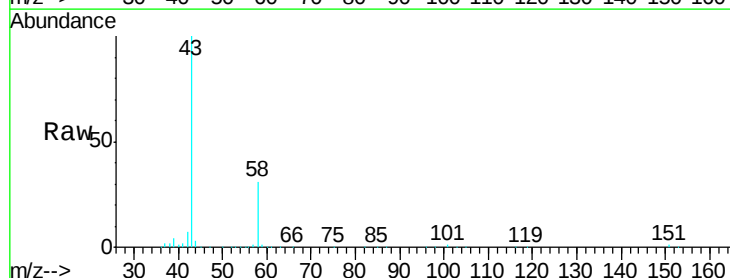
Acq: 4 Nov 2019 9:49

Tgt Ion: 43 Resp: 906652

Ion Ratio Lower Upper

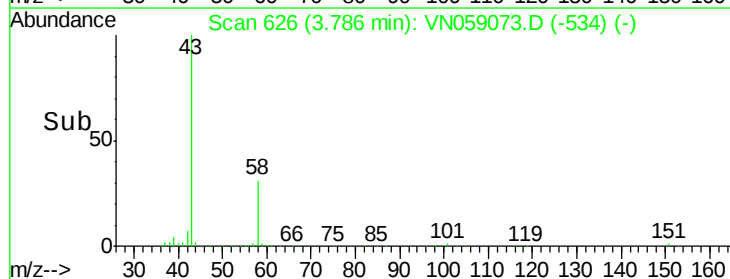
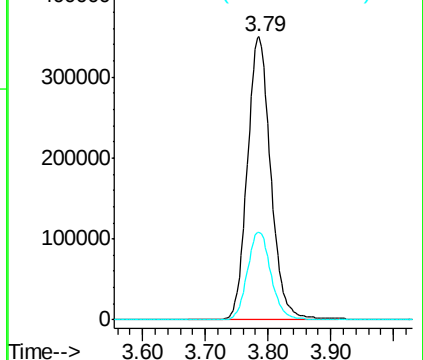
43 100

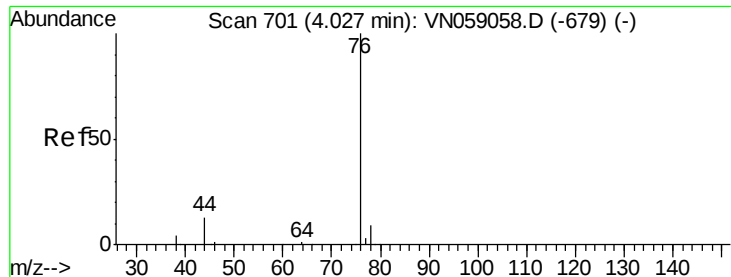
58 31.0 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN059058.D (-592) (-)

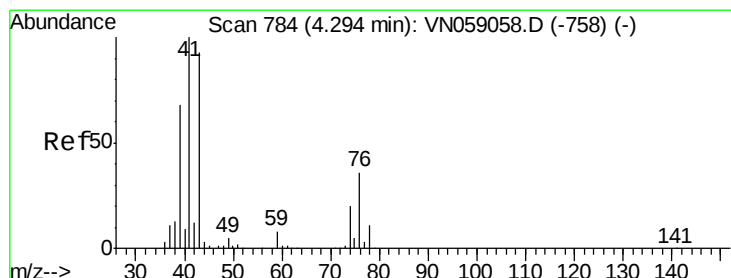
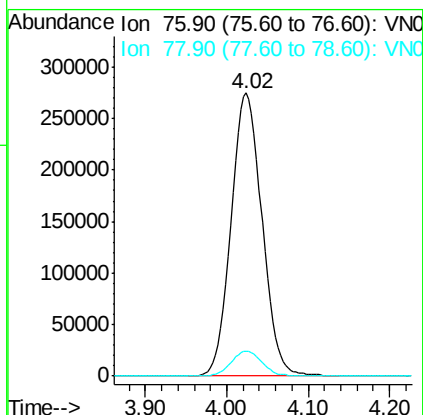
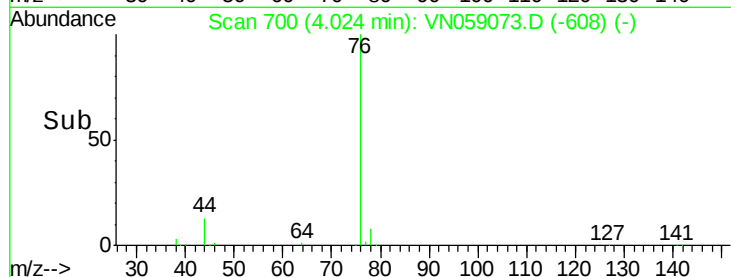
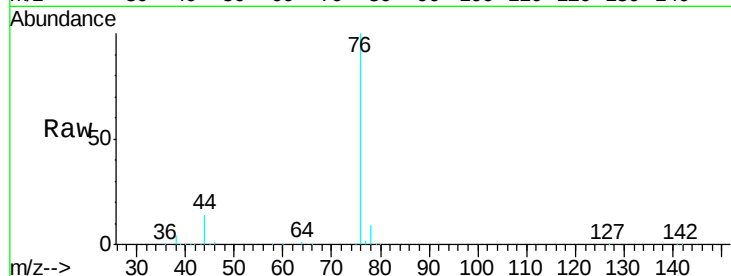




#17
Carbon Disulfide
Concen: 46.118 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

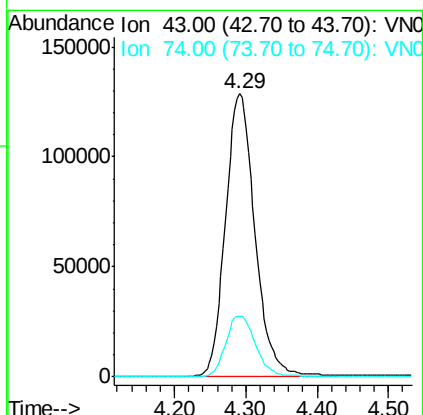
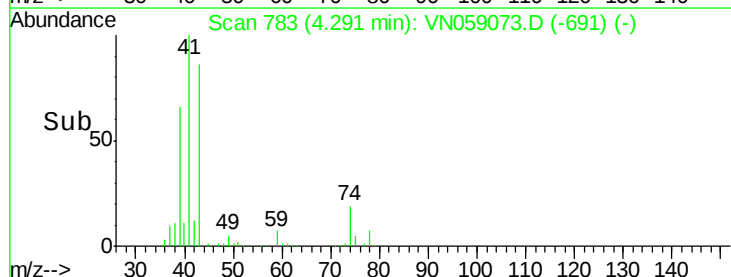
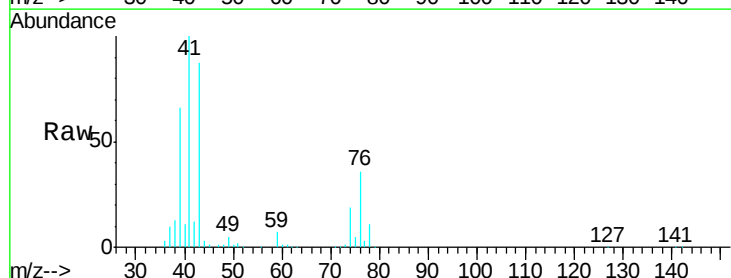
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

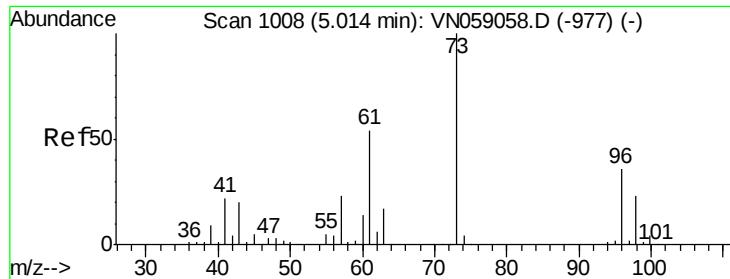
Tgt Ion: 76 Resp: 726723
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 43.352 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion: 43 Resp: 368209
Ion Ratio Lower Upper
43 100
74 21.8 17.5 26.3

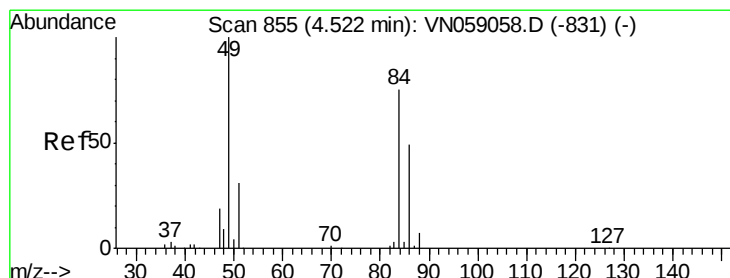
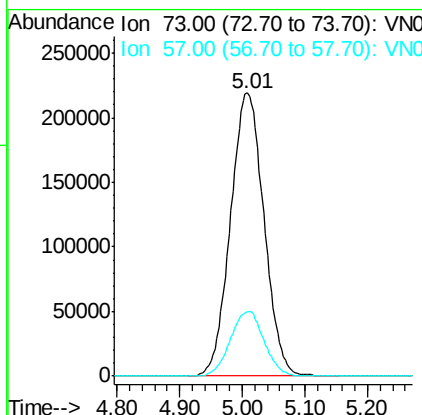
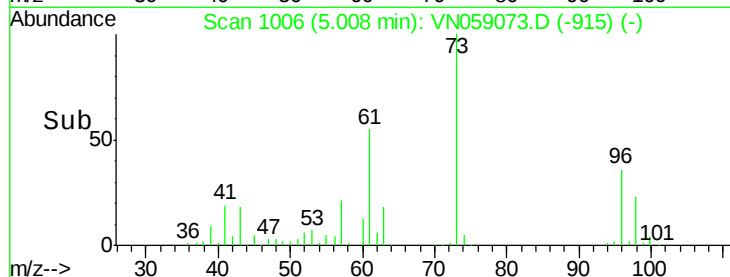
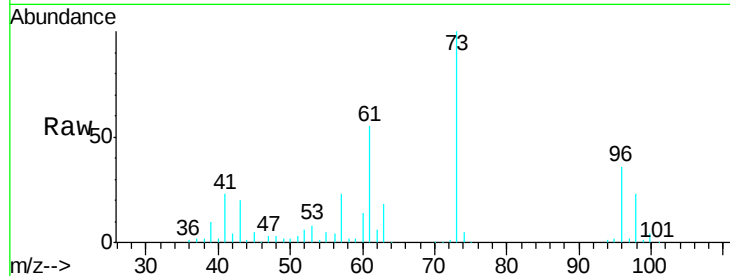




#19
Methyl tert-butyl Ether
Concen: 48.166 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

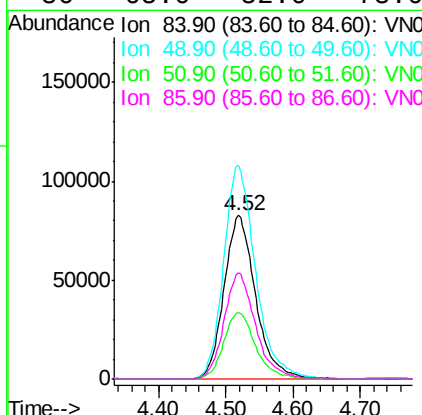
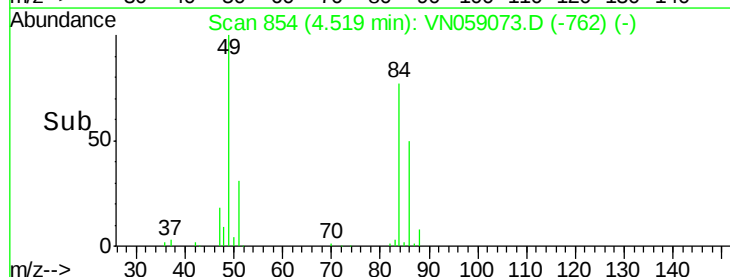
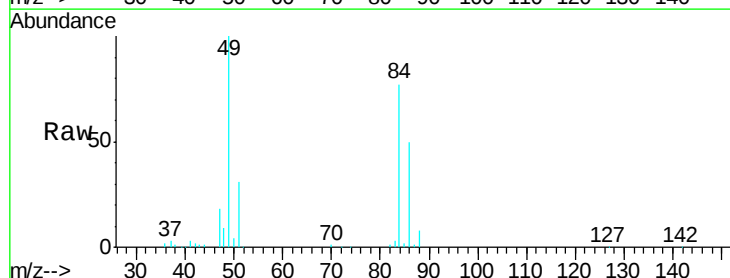
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

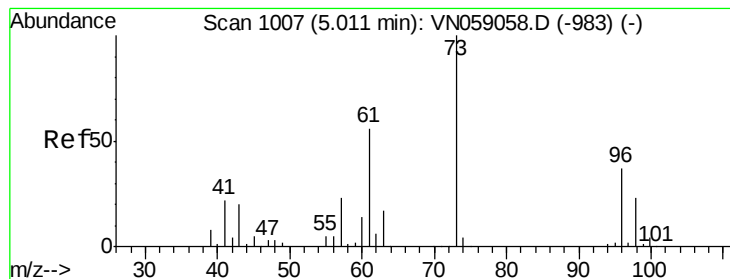
Tgt Ion: 73 Resp: 813127
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6



#20
Methylene Chloride
Concen: 46.068 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion: 84 Resp: 270386
Ion Ratio Lower Upper
84 100
49 130.2 106.4 159.6
51 40.3 33.0 49.4
86 65.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 47.262 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

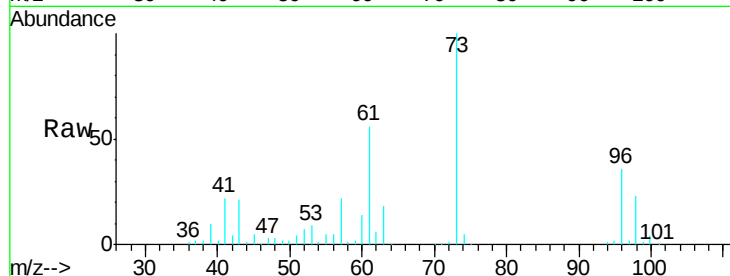
Tgt Ion: 96 Resp: 251487

Ion Ratio Lower Upper

96 100

61 154.9 121.7 182.5

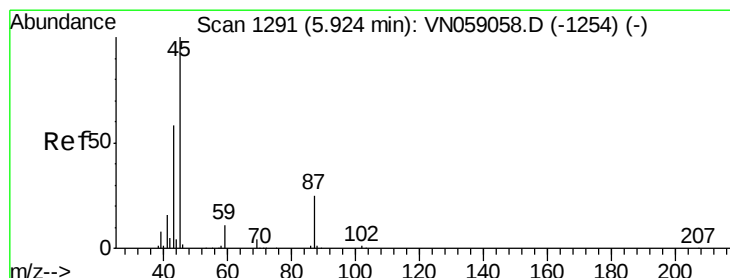
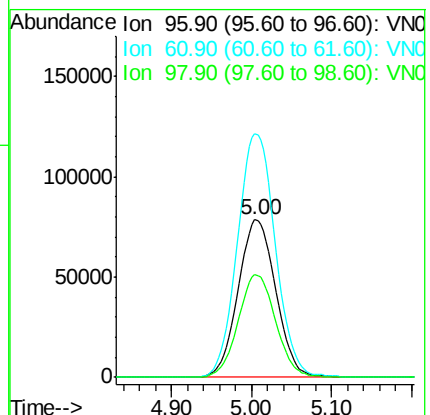
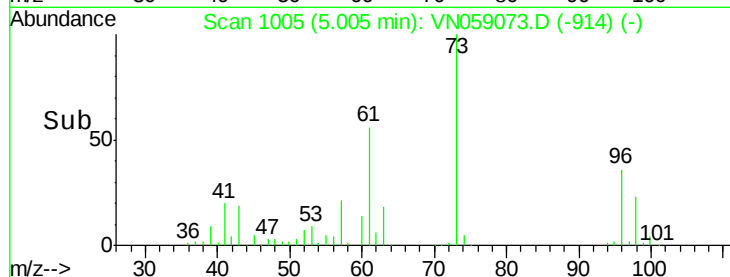
98 65.1 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN059058.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VN059058.D (-983) (-)

Ion 97.90 (97.60 to 98.60): VN059058.D (-983) (-)



#22

Diisopropyl ether

Concen: 49.591 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Tgt Ion: 45 Resp: 927747

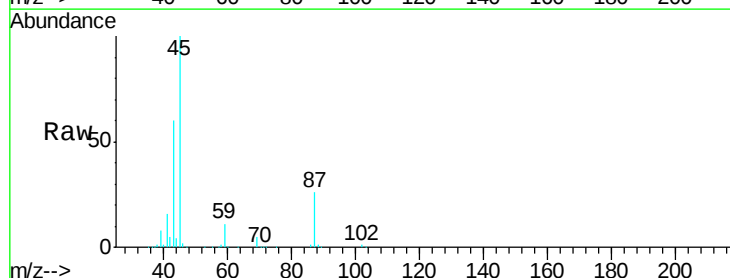
Ion Ratio Lower Upper

45 100

43 59.4 46.9 70.3

87 25.6 20.1 30.1

59 11.2 9.0 13.4

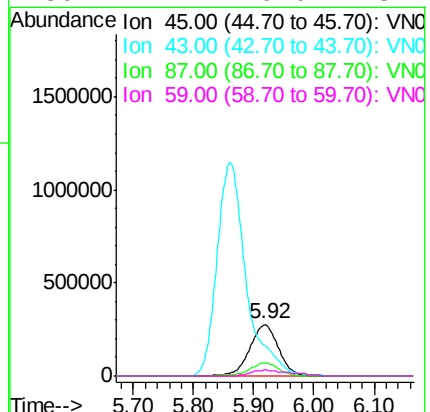
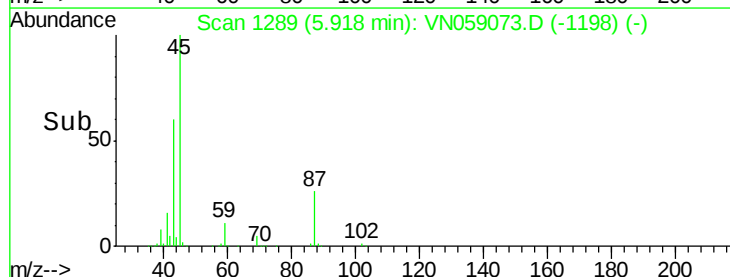


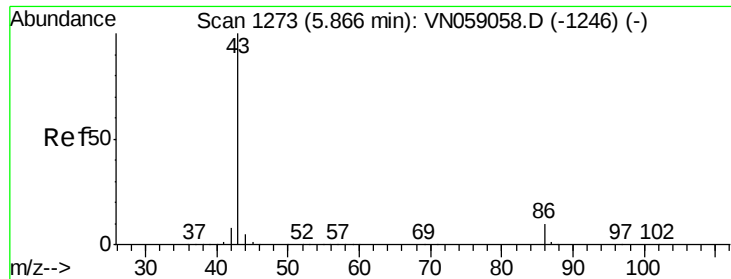
Abundance Ion 45.00 (44.70 to 45.70): VN059058.D (-1254) (-)

Ion 43.00 (42.70 to 43.70): VN059058.D (-1254) (-)

Ion 87.00 (86.70 to 87.70): VN059058.D (-1254) (-)

Ion 59.00 (58.70 to 59.70): VN059058.D (-1254) (-)

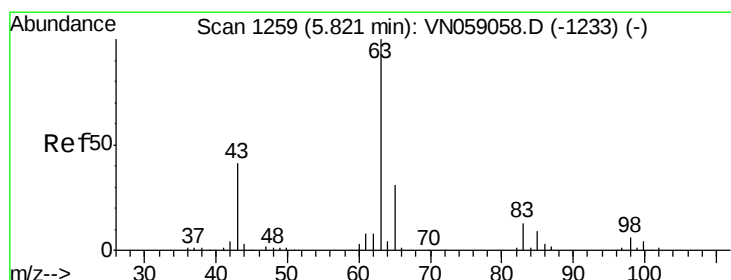
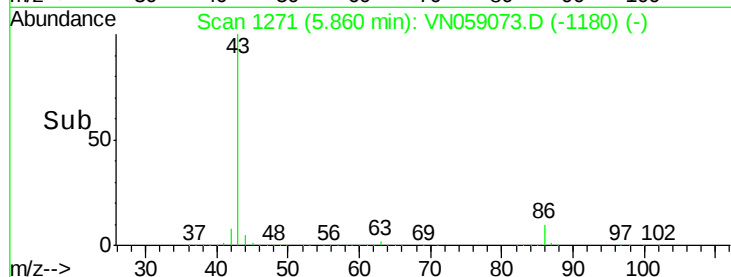
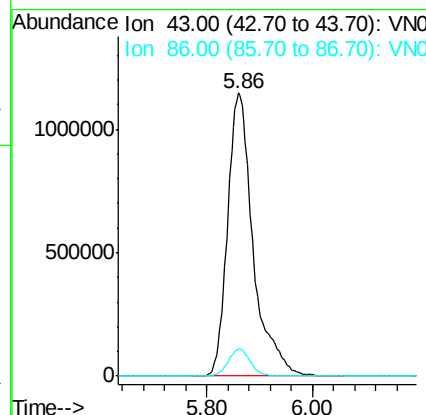
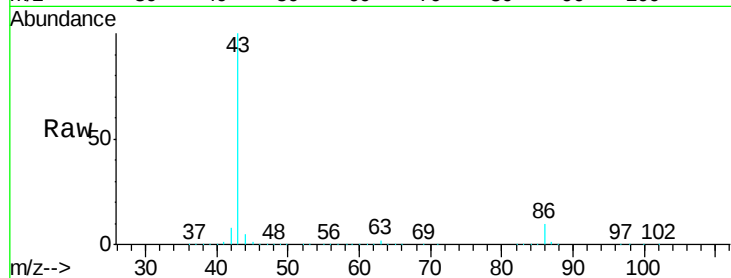




#23
 Vinyl Acetate
 Concen: 257.524 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

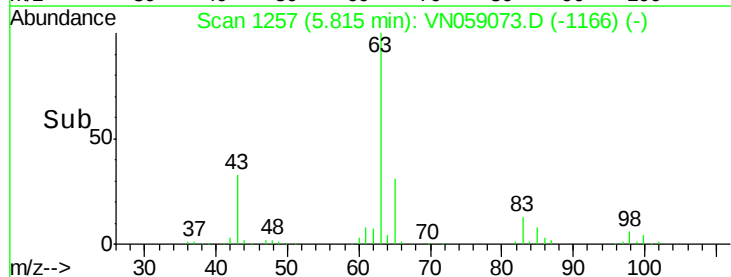
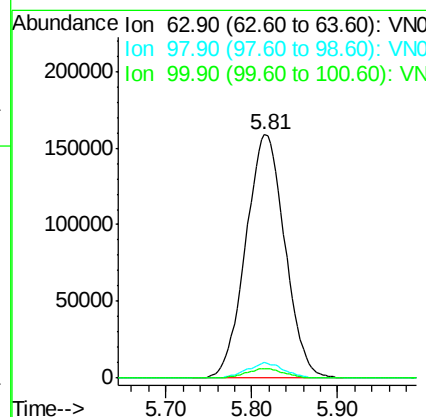
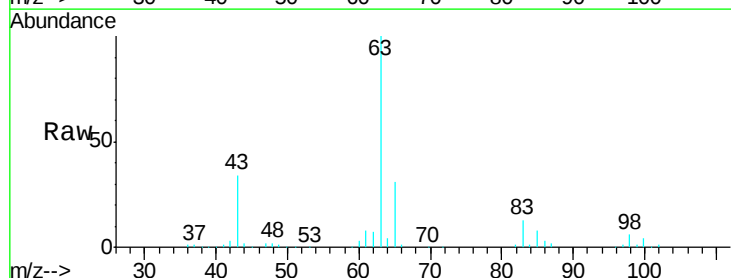
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

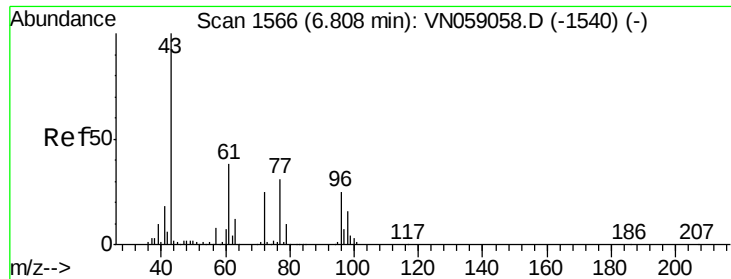
Tgt Ion: 43 Resp: 3837193
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 46.974 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion: 63 Resp: 502418
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.2 9.6
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 241.383 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

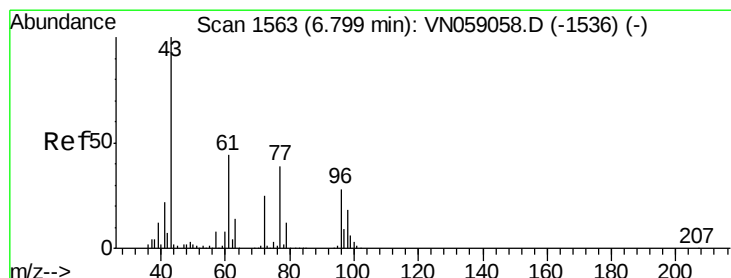
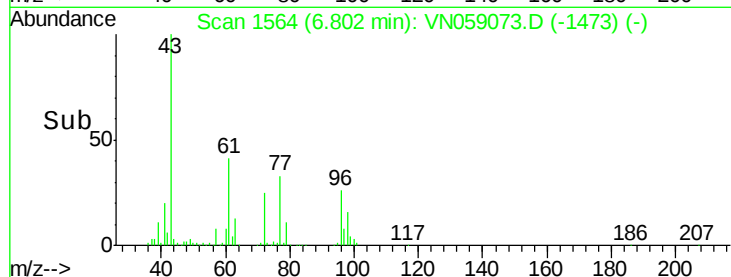
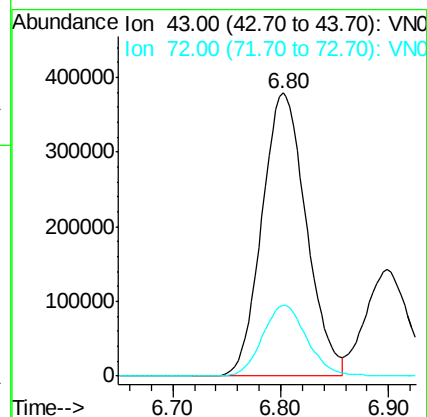
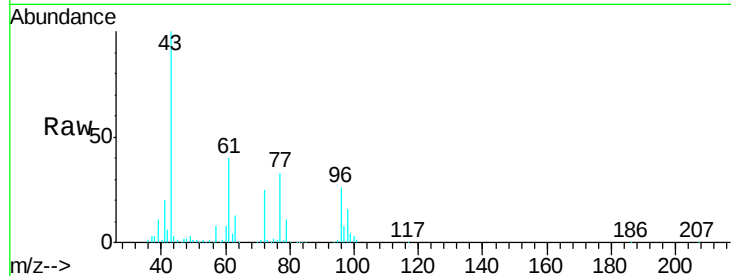
VSTDCCC050

Tgt Ion: 43 Resp: 1077595

Ion Ratio Lower Upper

43 100

72 25.2 19.9 29.9



#26

2,2-Dichloropropane

Concen: 46.596 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059073.D

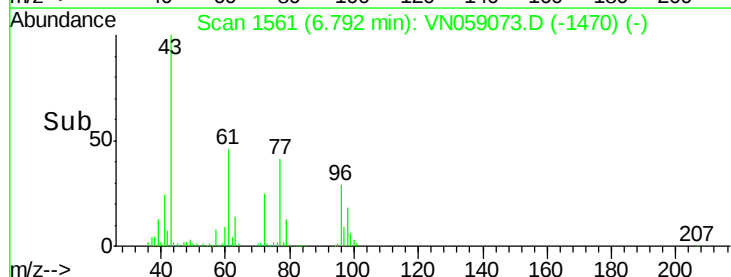
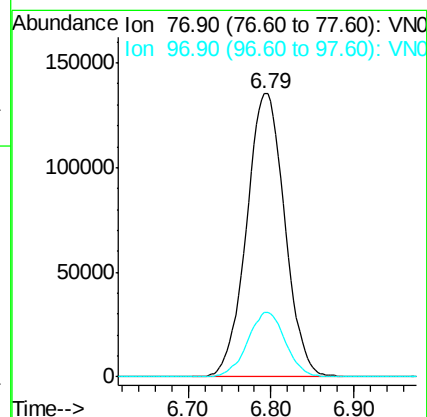
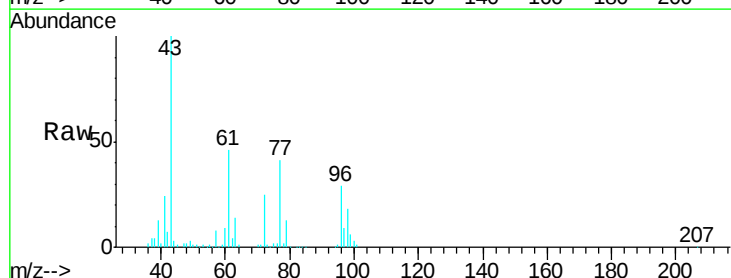
Acq: 4 Nov 2019 9:49

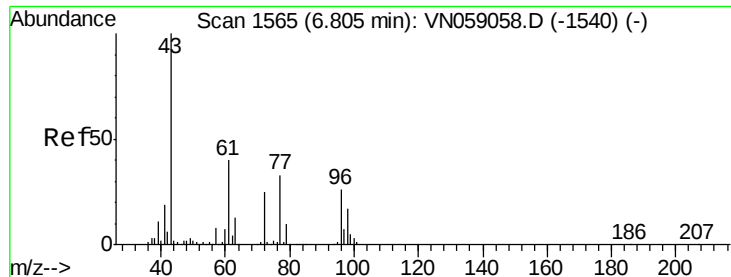
Tgt Ion: 77 Resp: 432582

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 48.469 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

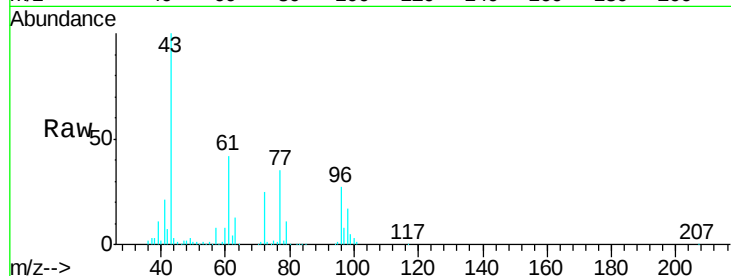
Tgt Ion: 96 Resp: 290405

Ion Ratio Lower Upper

96 100

61 157.4 0.0 316.4

98 63.7 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN059073.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN059073.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN059073.D (-1472) (-)

200000

150000

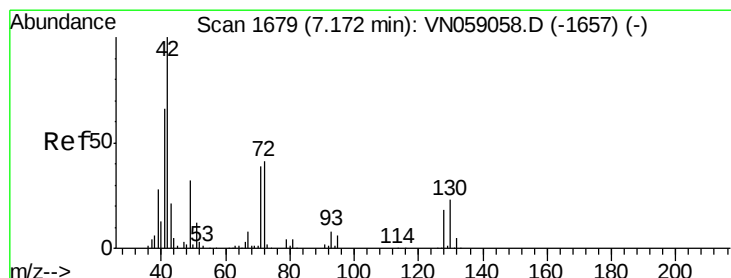
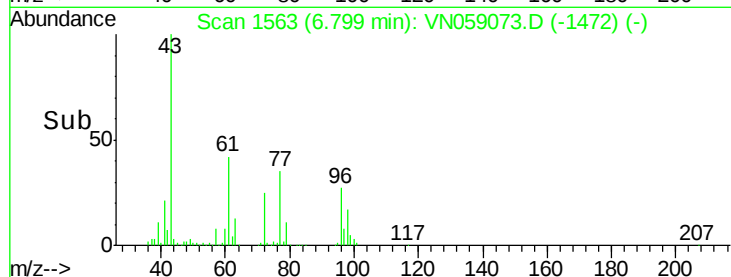
100000

50000

0

6.70 6.80 6.90

Time-->



#28

Bromochloromethane

Concen: 41.714 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

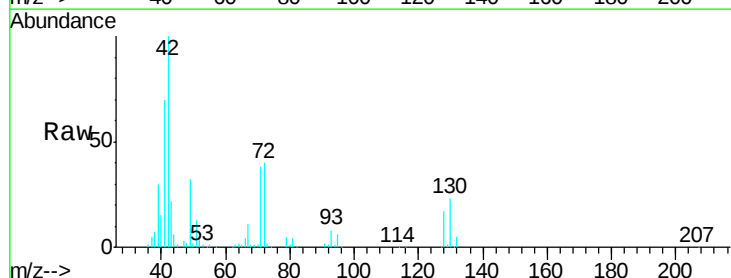
Tgt Ion: 49 Resp: 137697

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.4

130 67.9 55.0 82.6



Abundance Ion 48.90 (48.60 to 49.60): VN059073.D (-1586) (-)

Ion 128.80 (128.50 to 129.50): VN059073.D (-1586) (-)

Ion 129.80 (129.50 to 130.50): VN059073.D (-1586) (-)

60000

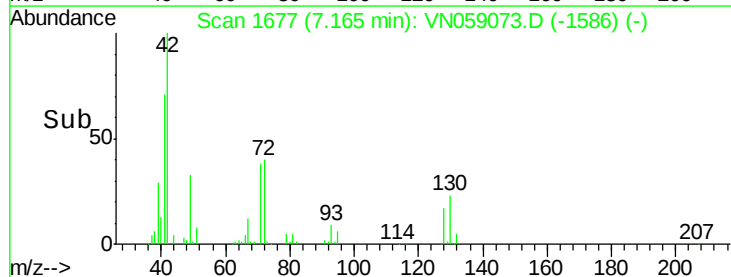
40000

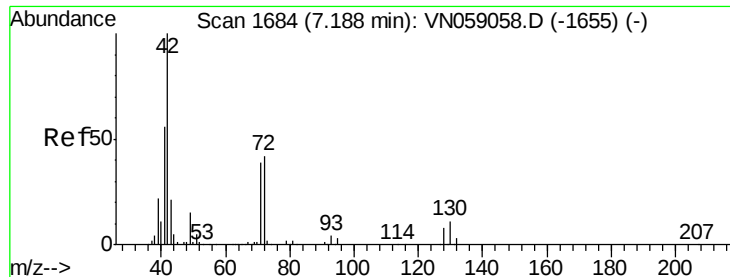
20000

0

7.10 7.20 7.30

Time-->





#29

Tetrahydrofuran

Concen: 230.271 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

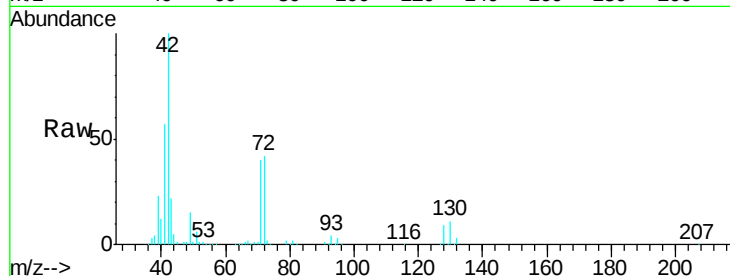
Tgt Ion: 42 Resp: 648769

Ion Ratio Lower Upper

42 100

72 41.1 32.7 49.1

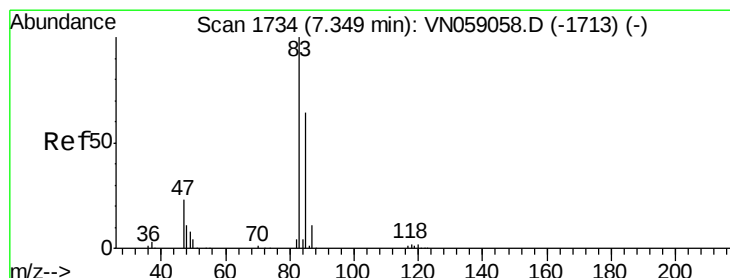
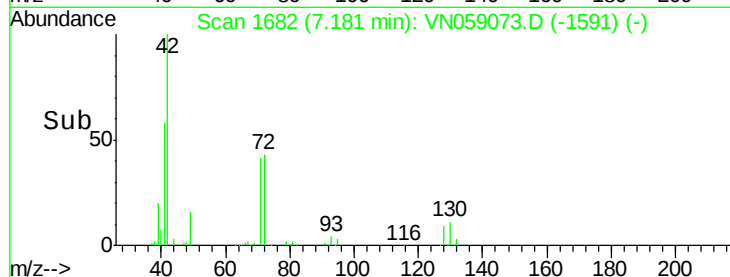
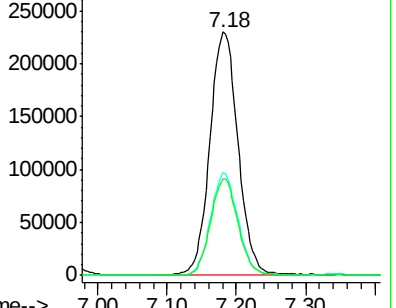
71 38.7 31.2 46.8



Abundance Ion 42.00 (41.70 to 42.70): VN059058.D (-1655) (-)

Ion 72.00 (71.70 to 72.70): VN059058.D (-1655) (-)

Ion 71.00 (70.70 to 71.70): VN059058.D (-1655) (-)



#30

Chloroform

Concen: 47.005 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059073.D

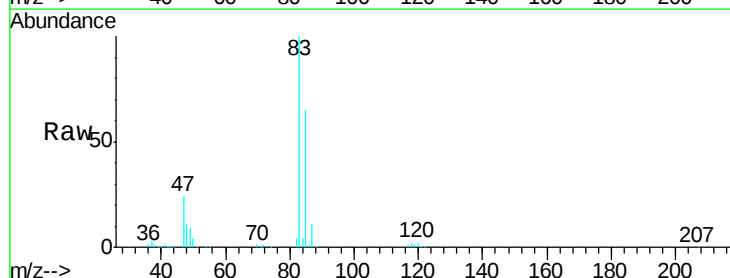
Acq: 4 Nov 2019 9:49

Tgt Ion: 83 Resp: 480757

Ion Ratio Lower Upper

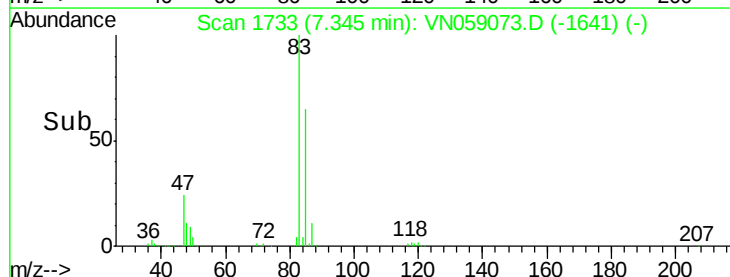
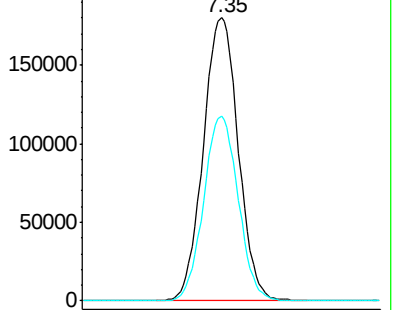
83 100

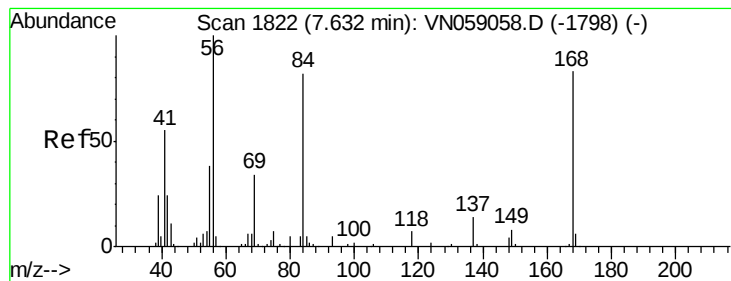
85 65.1 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VN059058.D (-1713) (-)

Ion 84.90 (84.60 to 85.60): VN059058.D (-1713) (-)





#31

Cyclohexane

Concen: 45.751 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

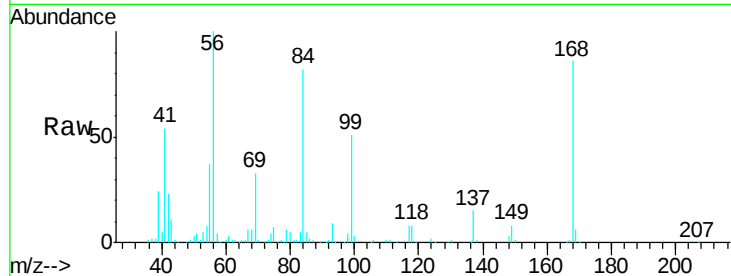
Tgt Ion: 56 Resp: 466742

Ion Ratio Lower Upper

56 100

69 32.9 27.2 40.8

84 80.5 65.2 97.8

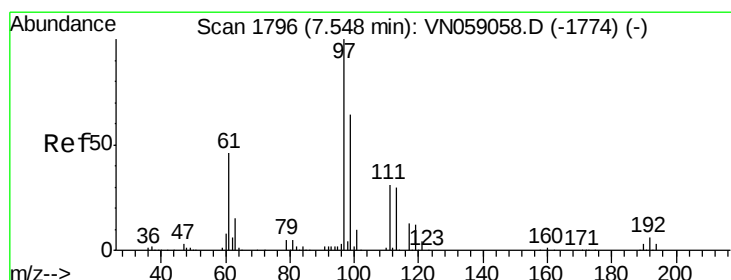
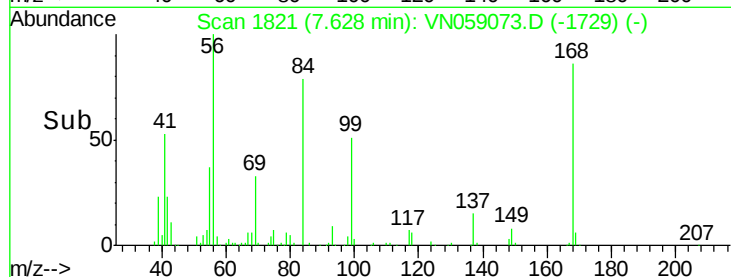
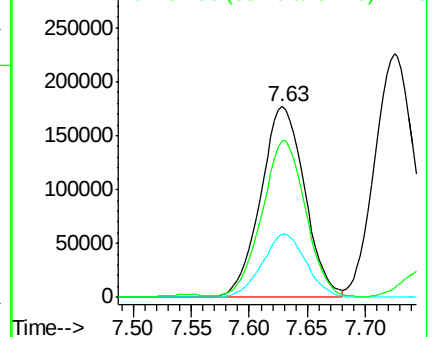


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 47.493 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

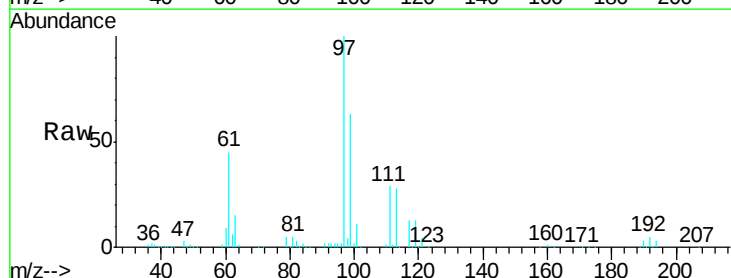
Tgt Ion: 97 Resp: 410970

Ion Ratio Lower Upper

97 100

99 64.3 50.7 76.1

61 45.2 36.3 54.5

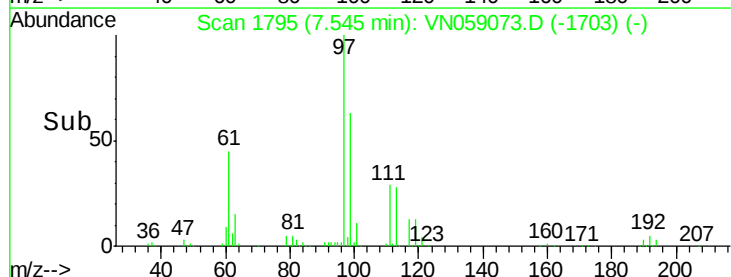
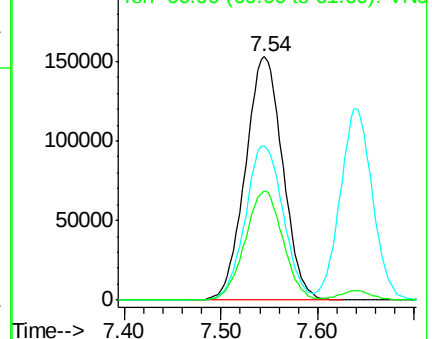


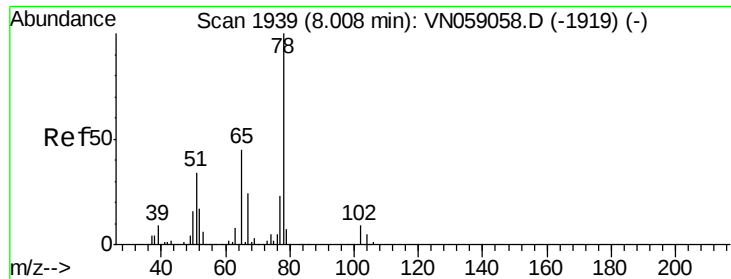
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 42.932 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.01 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

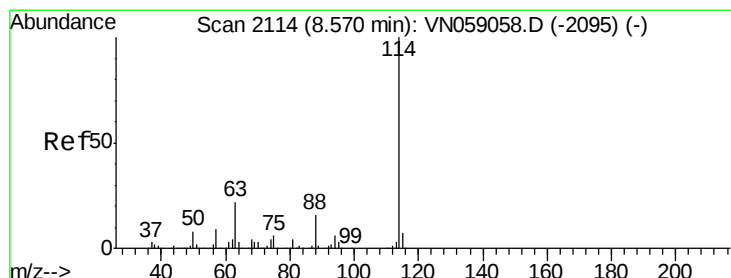
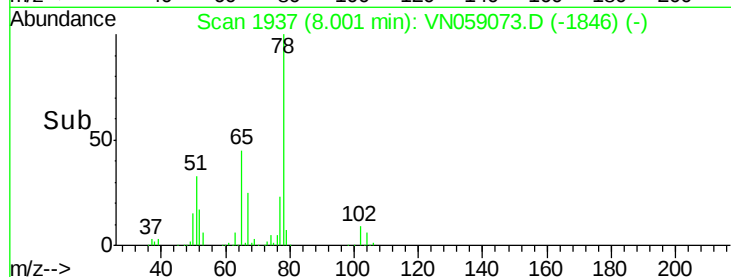
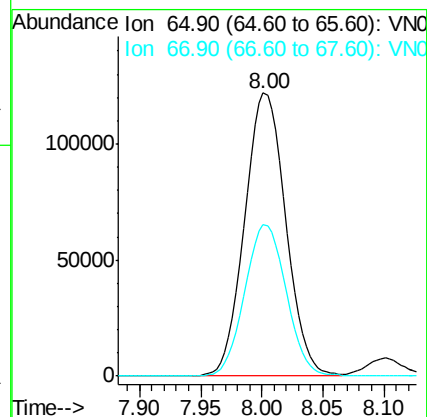
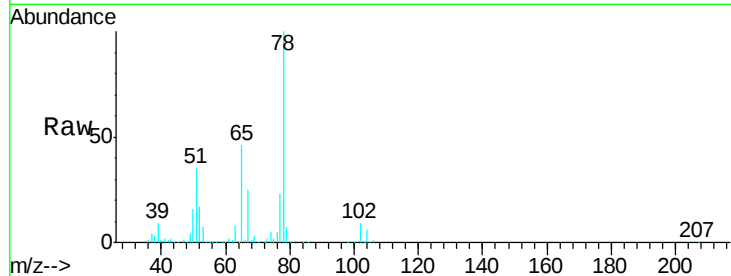
VSTDCCC050

Tgt Ion: 65 Resp: 284314

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.01 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

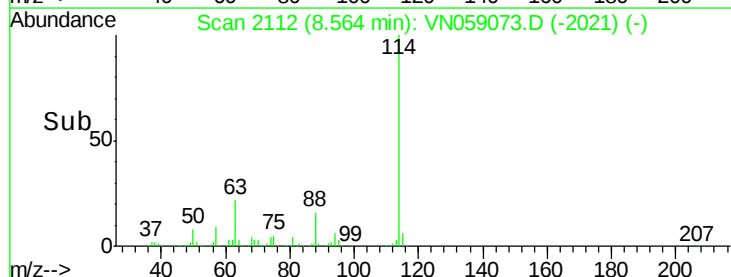
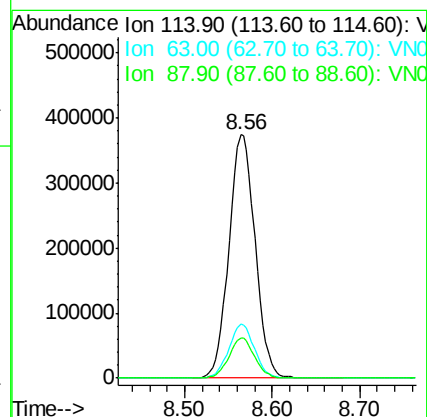
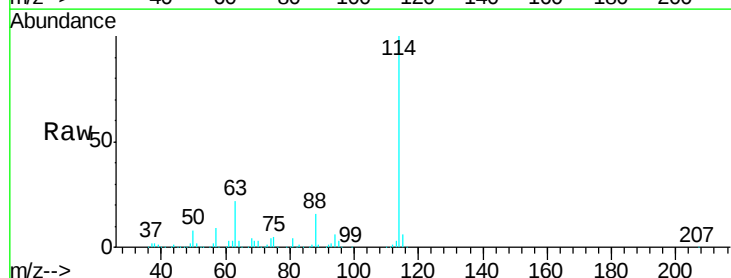
Tgt Ion: 114 Resp: 777686

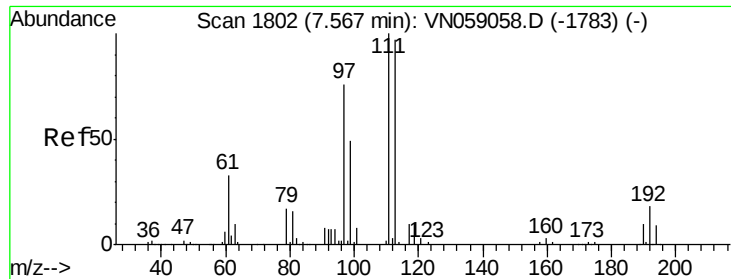
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.2

88 16.3 0.0 33.0

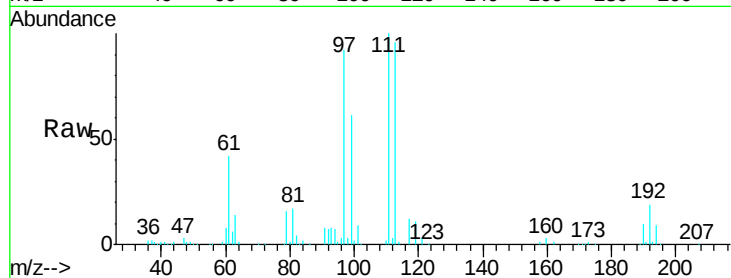




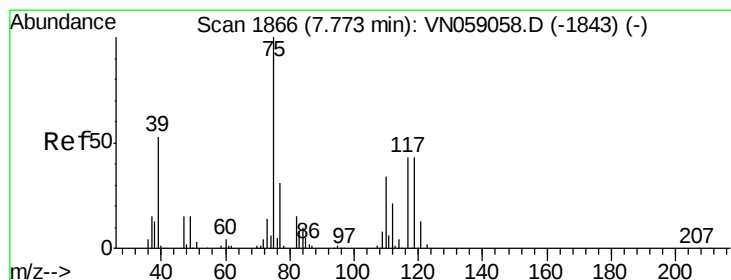
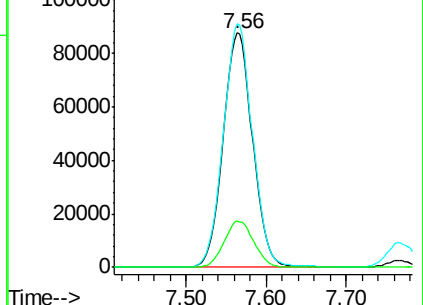
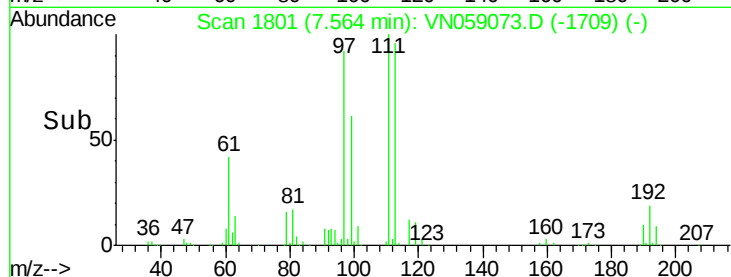
#35
 Dibromofluoromethane
 Concen: 43.944 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 113 Resp: 220469
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.9 124.3
 192 19.8 15.9 23.9

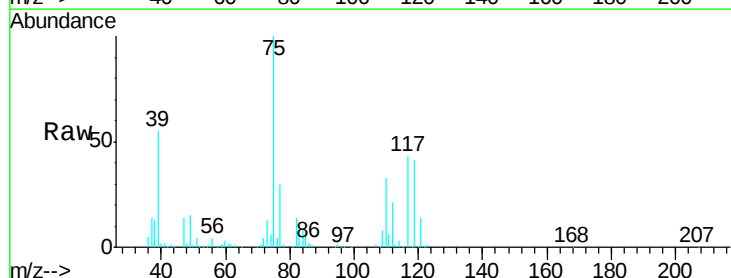


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

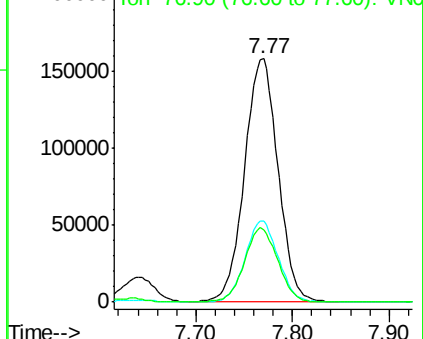
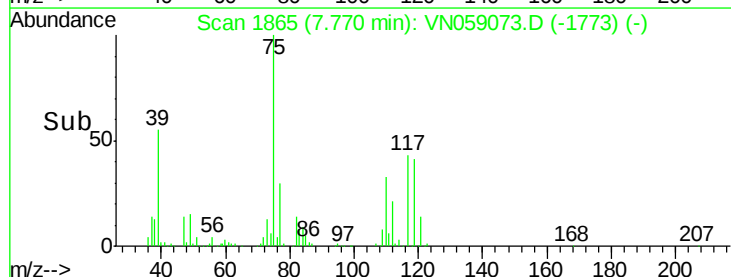


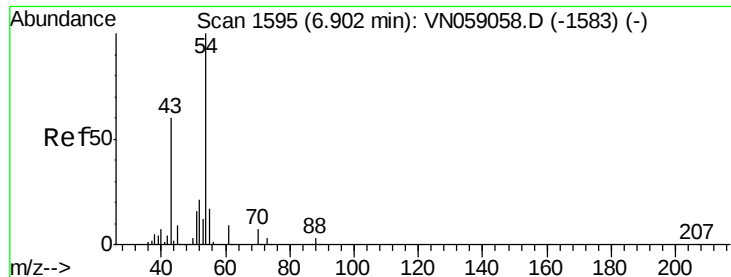
#36
 1,1-Dichloropropene
 Concen: 49.034 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion: 75 Resp: 378999
 Ion Ratio Lower Upper
 75 100
 110 33.1 16.9 50.6
 77 30.8 25.0 37.4



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

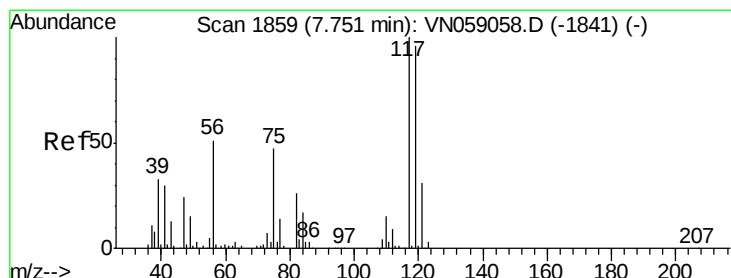
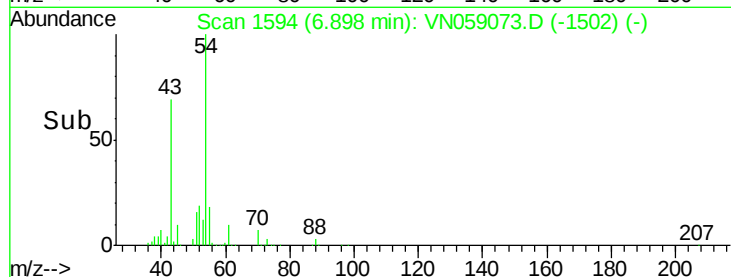
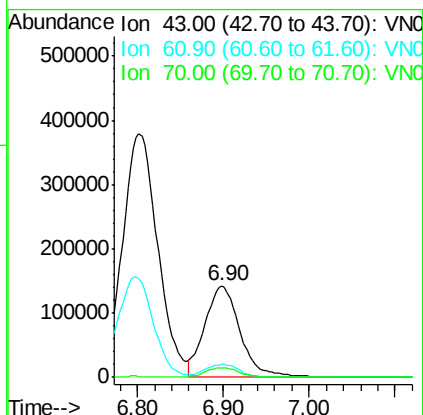
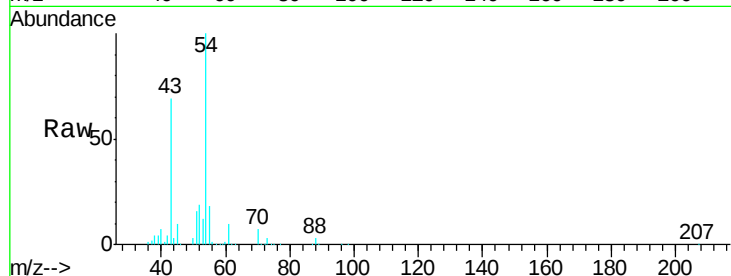




#37
 Ethyl Acetate
 Concen: 46.727 ug/l
 RT: 6.90 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

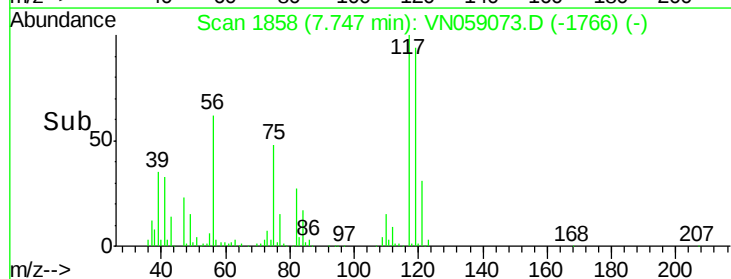
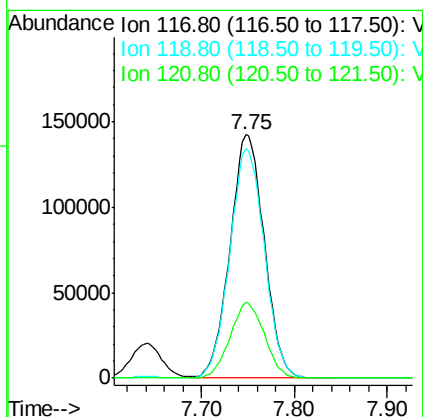
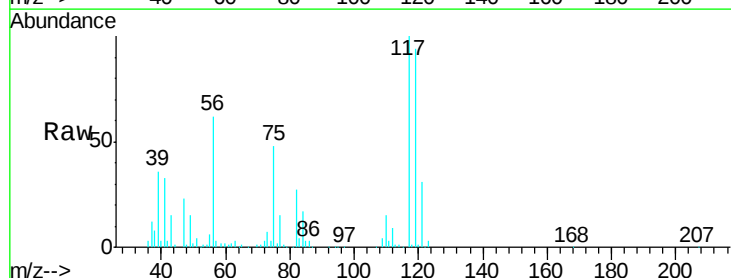
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

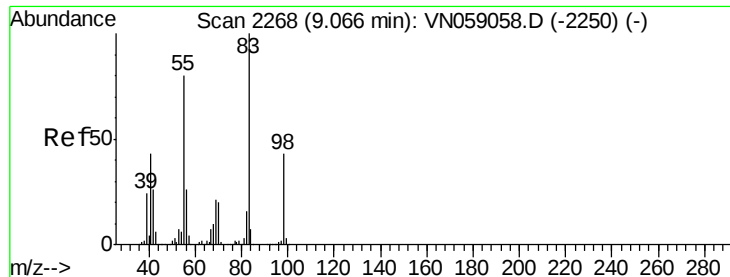
Tgt Ion: 43 Resp: 401290
 Ion Ratio Lower Upper
 43 100
 61 13.7 11.2 16.8
 70 10.2 8.0 12.0



#38
 Carbon Tetrachloride
 Concen: 48.488 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion: 117 Resp: 365251
 Ion Ratio Lower Upper
 117 100
 119 94.2 76.6 114.8
 121 31.1 24.6 37.0

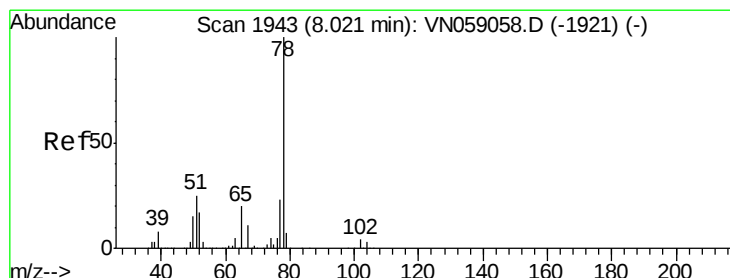
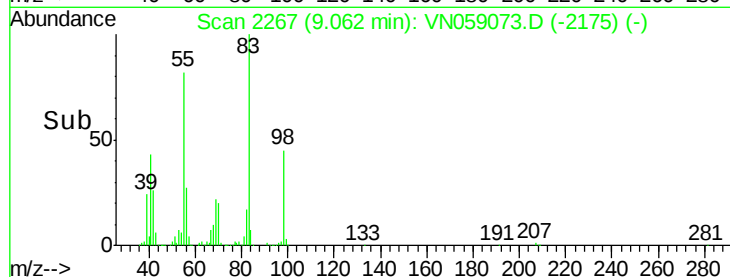
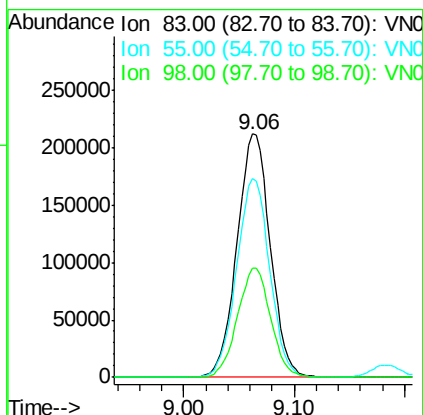
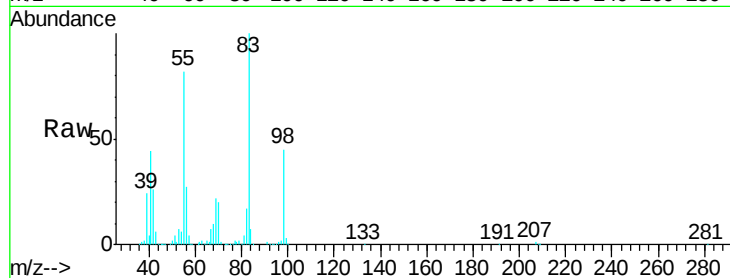




#39
Methylcyclohexane
Concen: 49.611 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

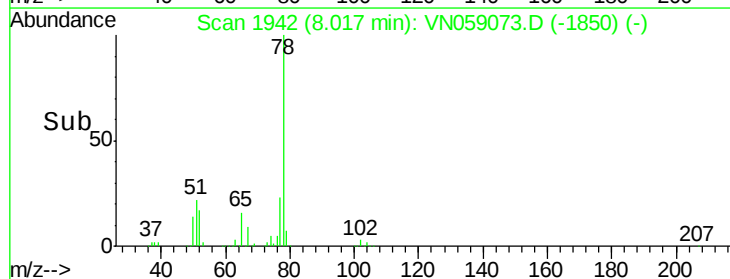
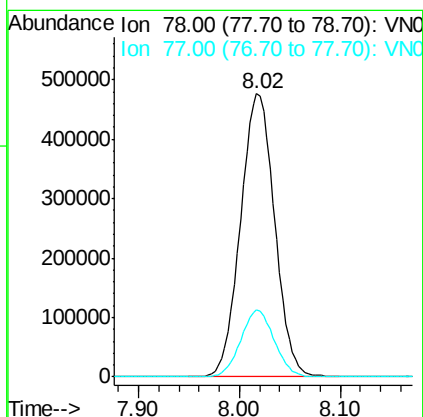
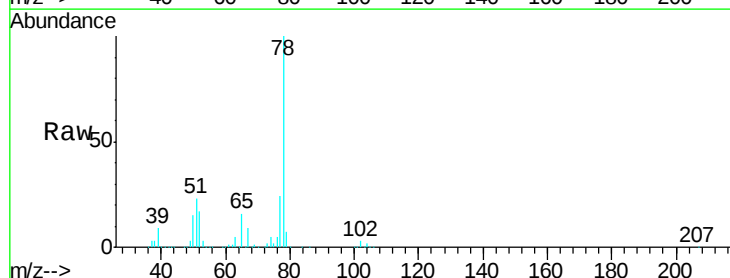
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

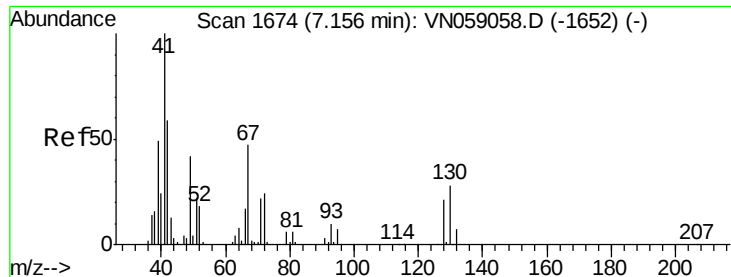
Tgt Ion: 83 Resp: 443217
Ion Ratio Lower Upper
83 100
55 81.5 64.1 96.1
98 44.8 34.3 51.5



#40
Benzene
Concen: 48.675 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion: 78 Resp: 1116514
Ion Ratio Lower Upper
78 100
77 23.7 18.6 27.8





#41

Methacrylonitrile

Concen: 152.770 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.03 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 567319

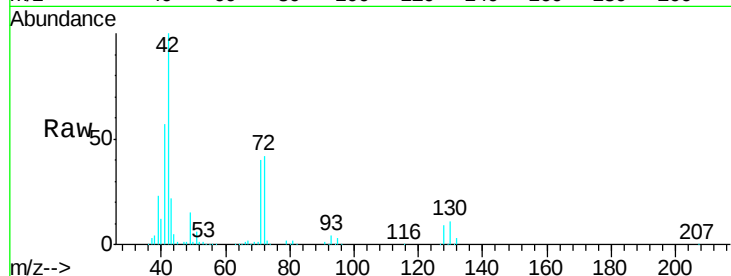
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

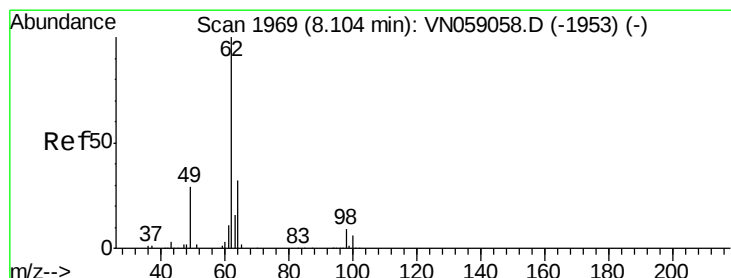
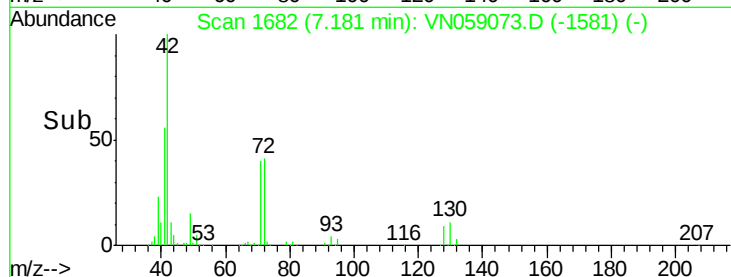
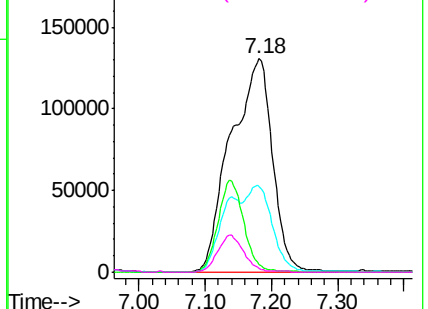


Abundance Ion 41.00 (40.70 to 41.70): VN059073.D (-1682) (-)

Ion 39.00 (38.70 to 39.70): VN059073.D (-1682) (-)

Ion 67.00 (66.70 to 67.70): VN059073.D (-1682) (-)

Ion 52.00 (51.70 to 52.70): VN059073.D (-1682) (-)



#42

1,2-Dichloroethane

Concen: 48.213 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN059073.D

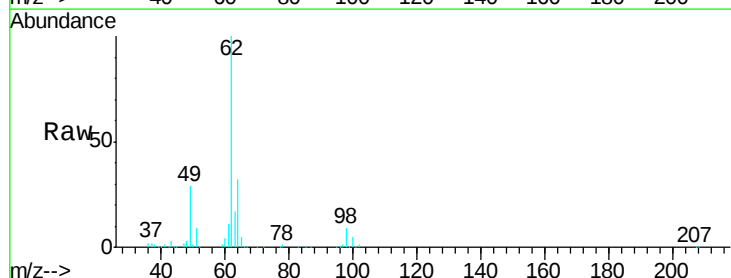
Acq: 4 Nov 2019 9:49

Tgt Ion: 62 Resp: 384081

Ion Ratio Lower Upper

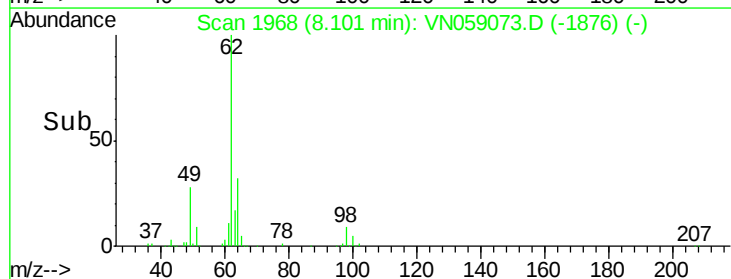
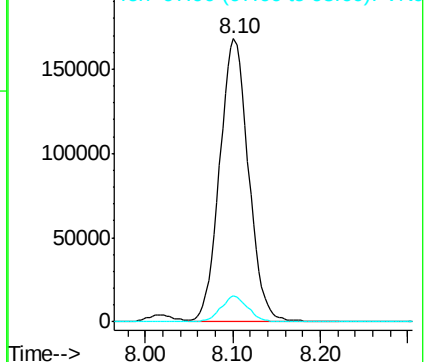
62 100

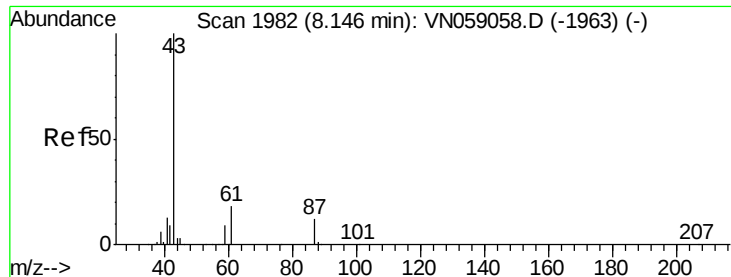
98 8.6 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VN059073.D (-1968) (-)

Ion 97.90 (97.60 to 98.60): VN059073.D (-1968) (-)

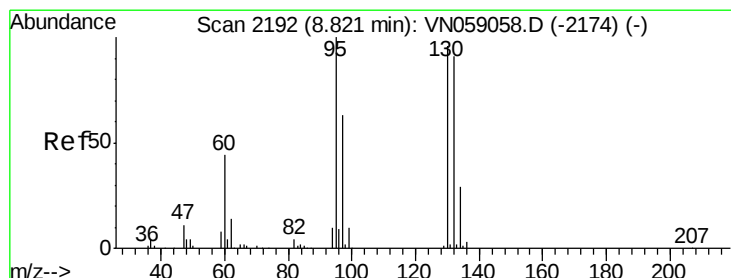
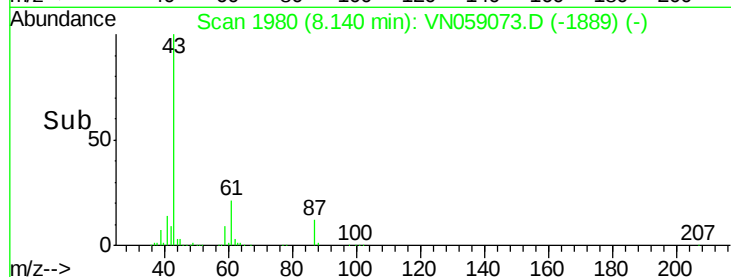
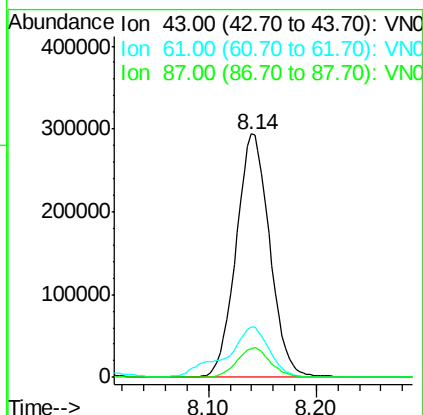
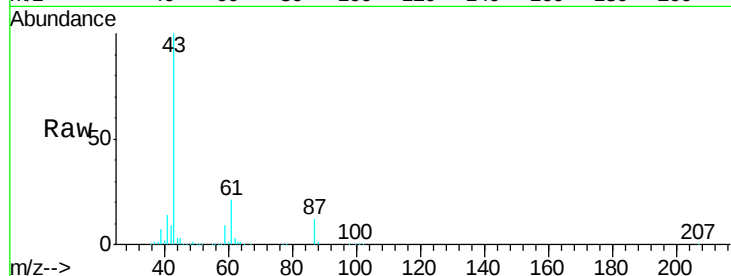




#43
Isopropyl Acetate
Concen: 47.214 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.01 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

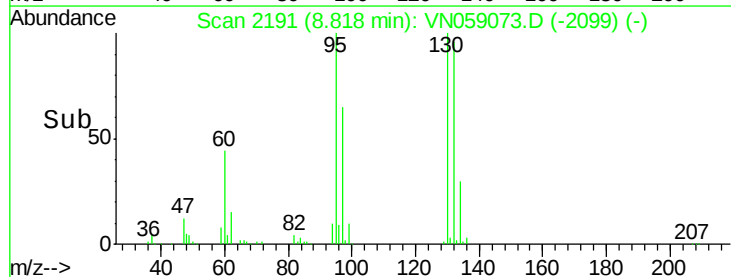
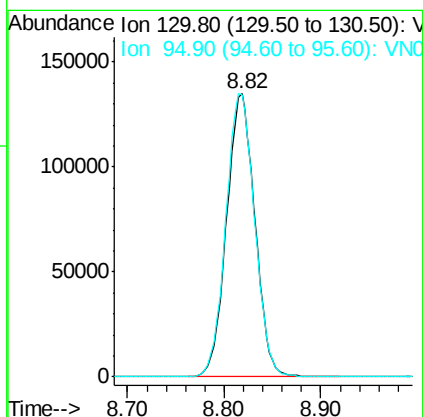
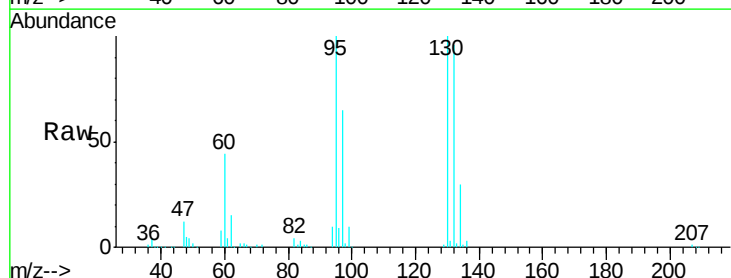
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

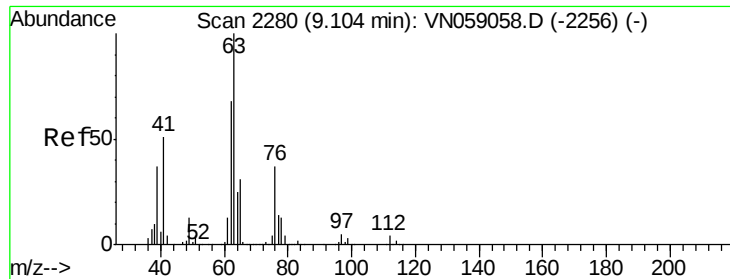
Tgt Ion: 43 Resp: 634089
Ion Ratio Lower Upper
43 100
61 27.0 20.5 30.7
87 12.3 9.8 14.8



#44
Trichloroethene
Concen: 48.604 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion: 130 Resp: 274311
Ion Ratio Lower Upper
130 100
95 99.5 0.0 207.6

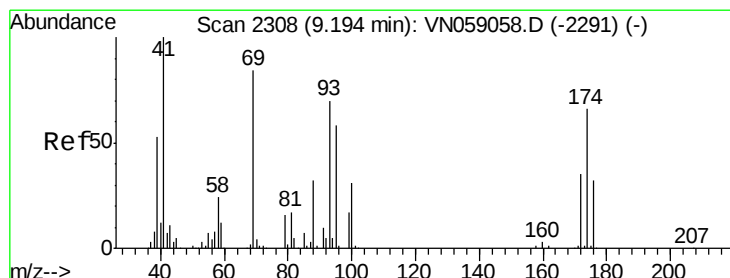
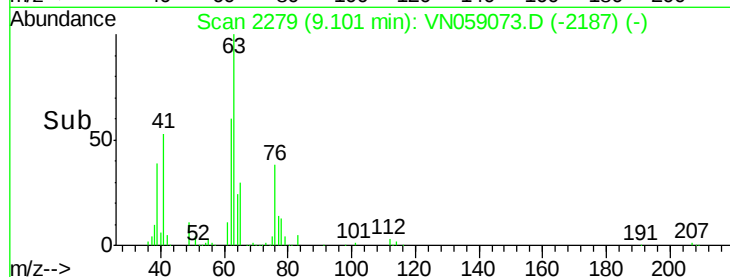
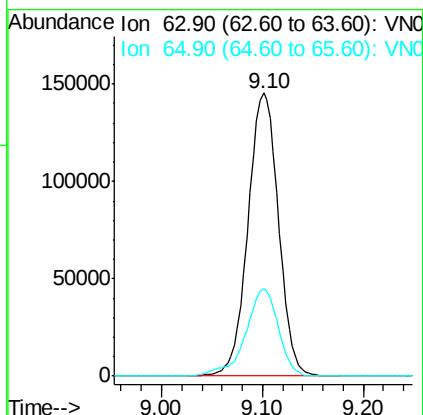
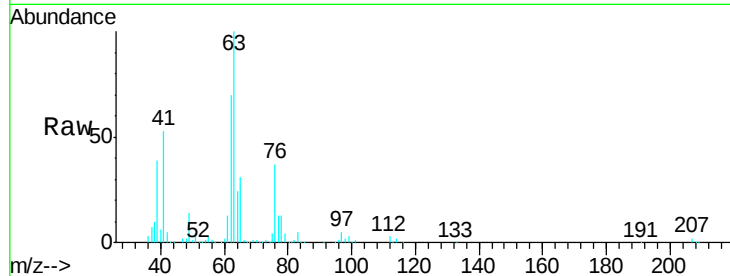




#45
 1,2-Dichloropropane
 Concen: 48.996 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

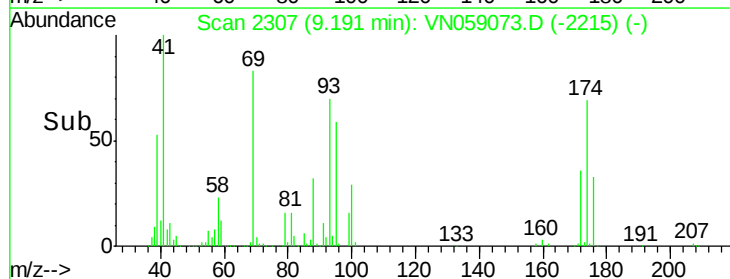
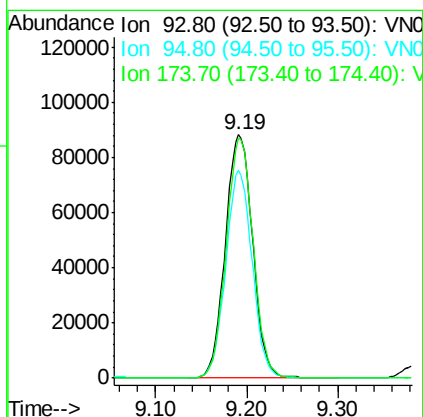
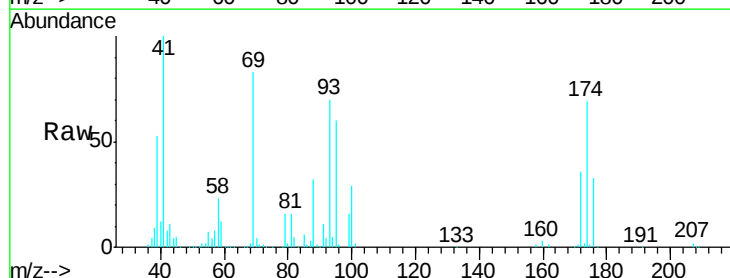
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

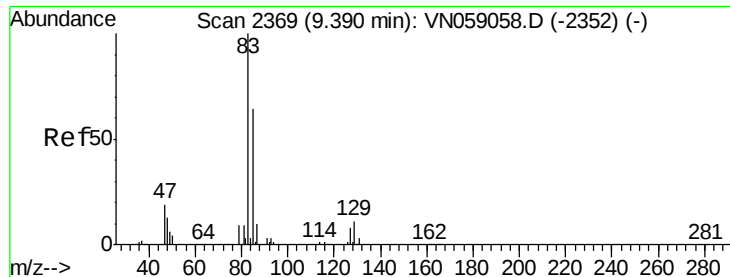
Tgt Ion: 63 Resp: 303950
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6



#46
 Dibromomethane
 Concen: 48.049 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion: 93 Resp: 184221
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.2 100.8
 174 97.3 78.3 117.5





#47

Bromodichloromethane

Concen: 48.750 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

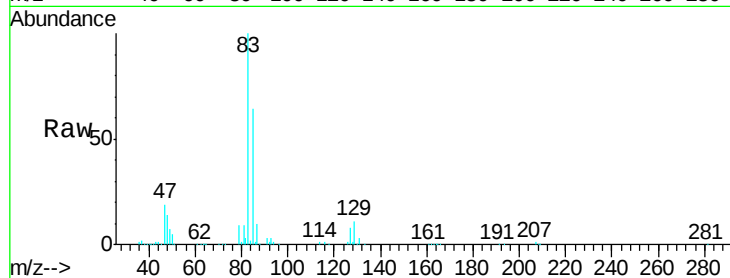
Tgt Ion: 83 Resp: 378533

Ion Ratio Lower Upper

83 100

85 64.1 51.2 76.8

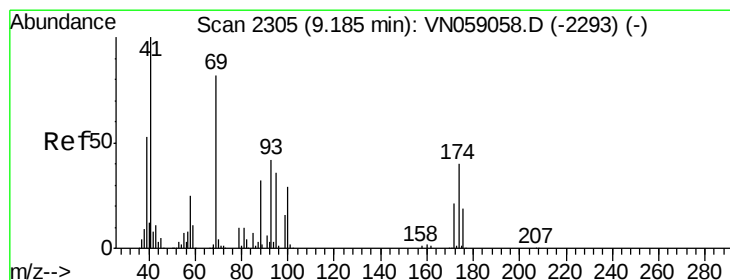
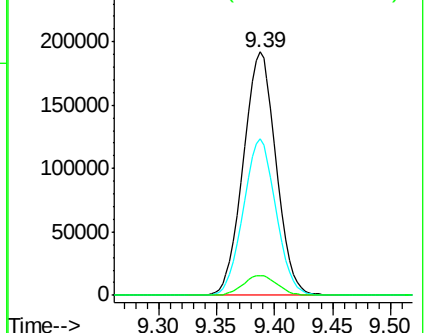
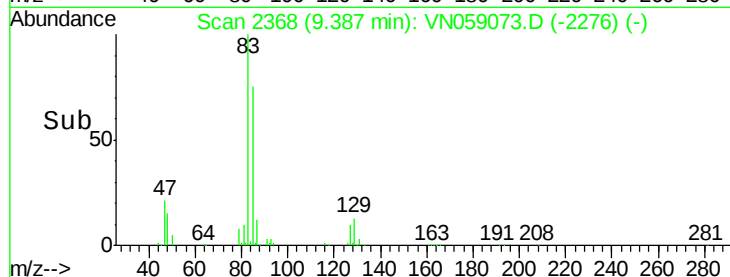
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN059073.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059073.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059073.D (-2276) (-)



#48

Methyl methacrylate

Concen: 48.079 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

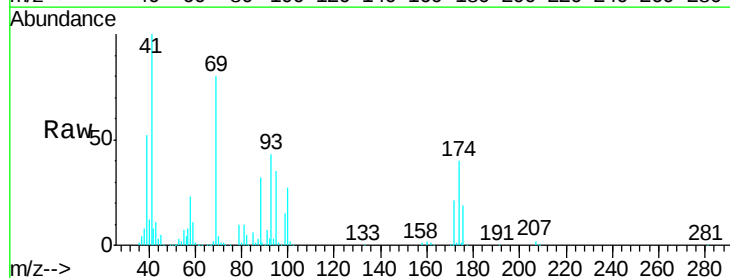
Tgt Ion: 41 Resp: 294418

Ion Ratio Lower Upper

41 100

69 83.1 67.1 100.7

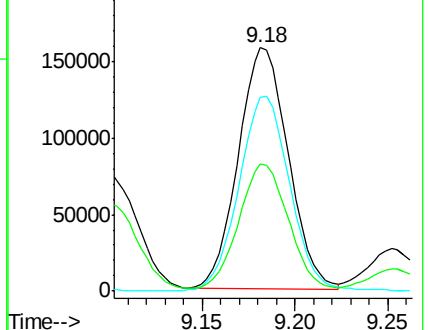
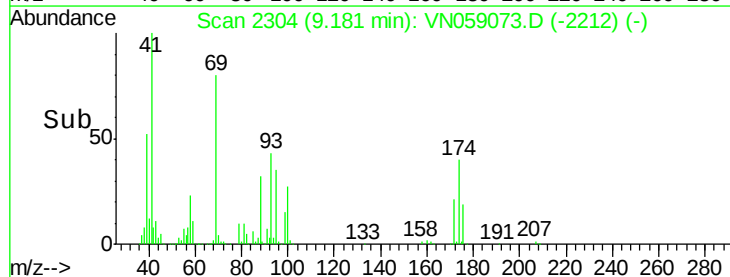
39 52.9 43.3 64.9

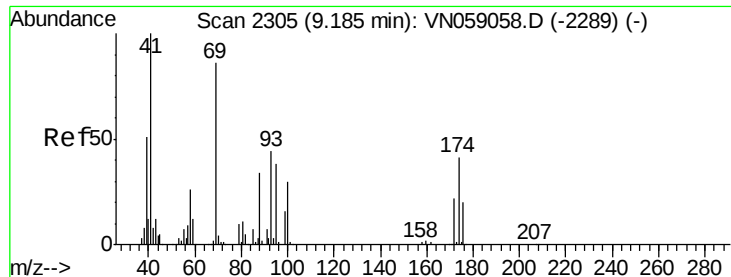


Abundance Ion 41.00 (40.70 to 41.70): VN059073.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059073.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059073.D (-2212) (-)

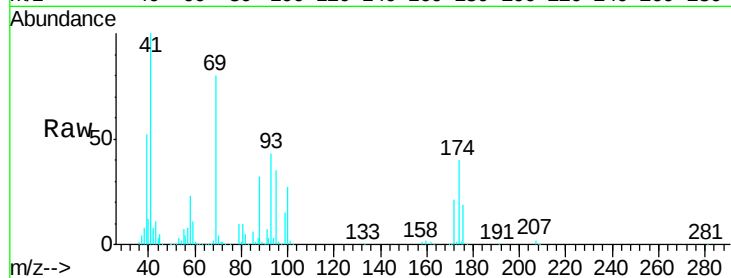




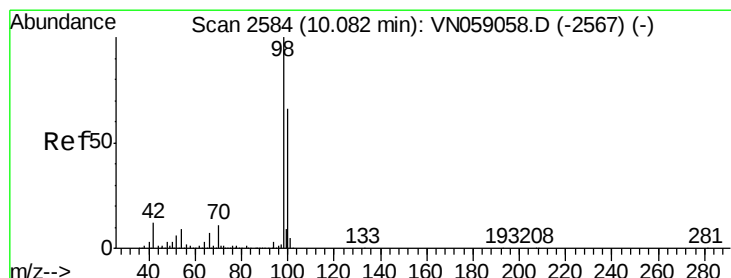
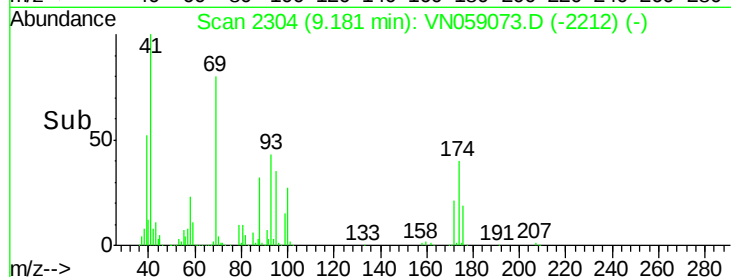
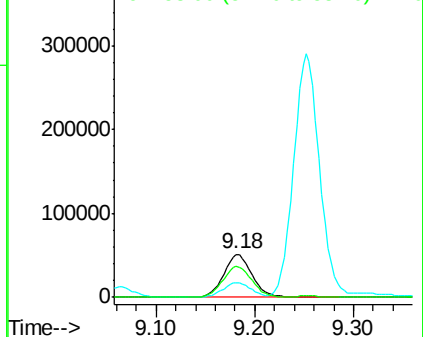
#49
1,4-Dioxane
Concen: 1031.931 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 103079
Ion Ratio Lower Upper
88 100
43 33.6 26.2 39.2
58 73.8 59.1 88.7

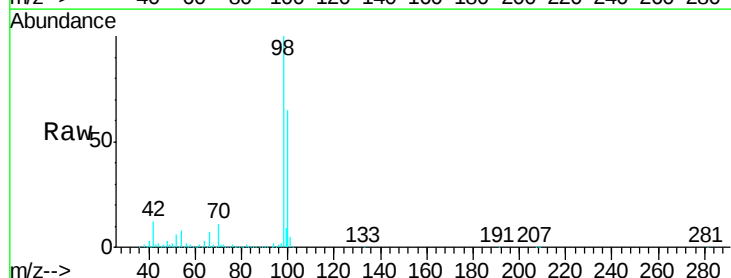


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

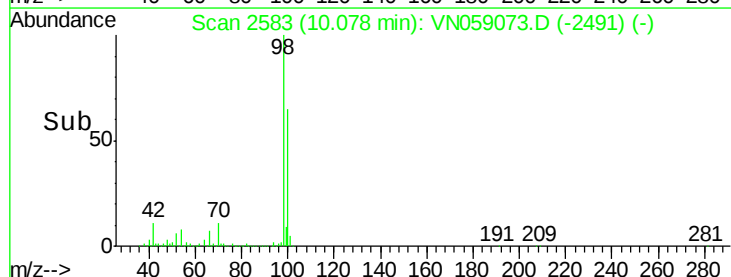
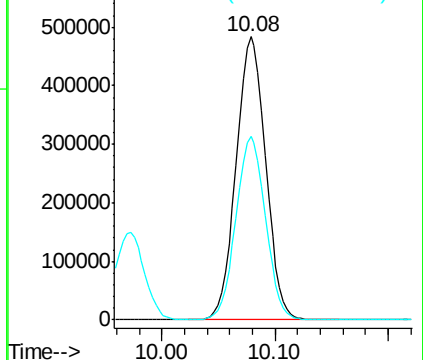


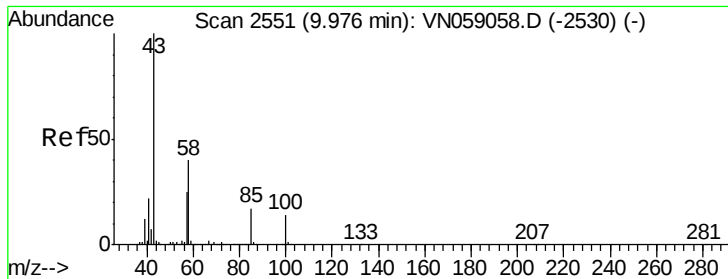
#50
Toluene-d8
Concen: 45.067 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion: 98 Resp: 880288
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



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

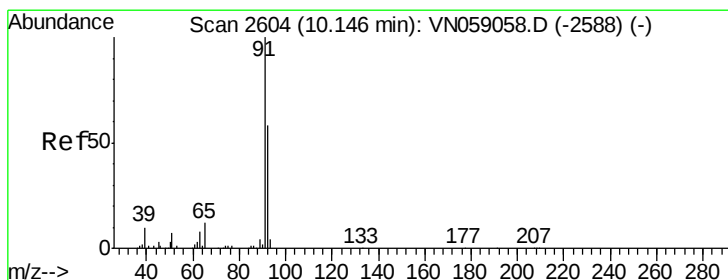
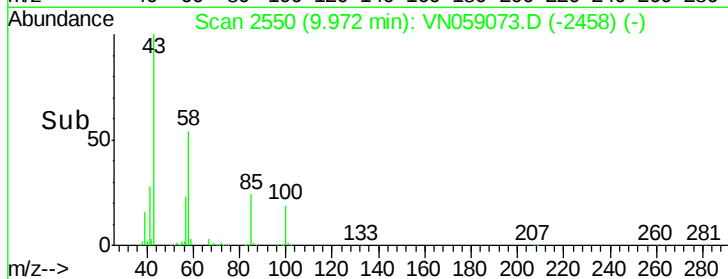
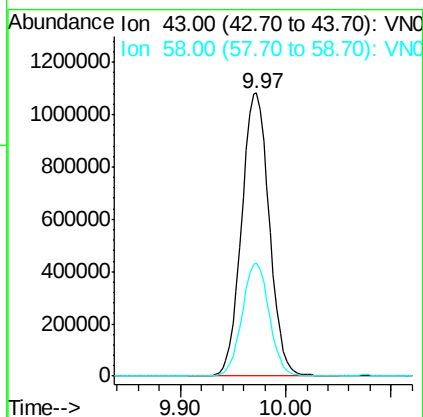
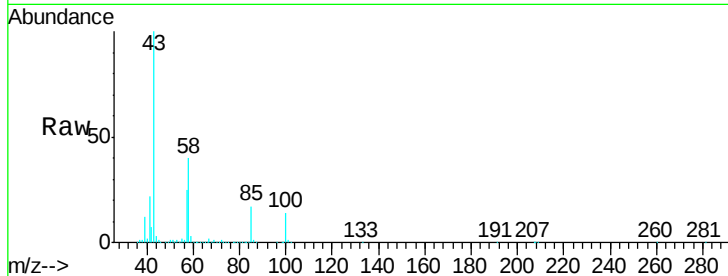




#51
 4-Methyl-2-Pentanone
 Concen: 252.612 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

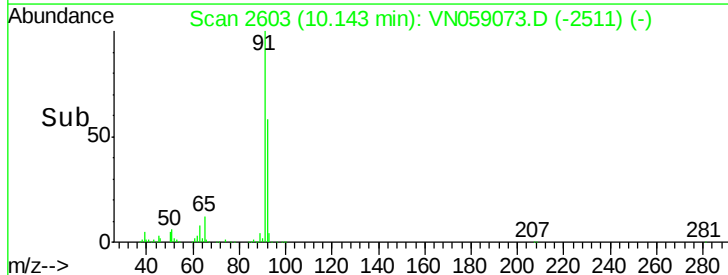
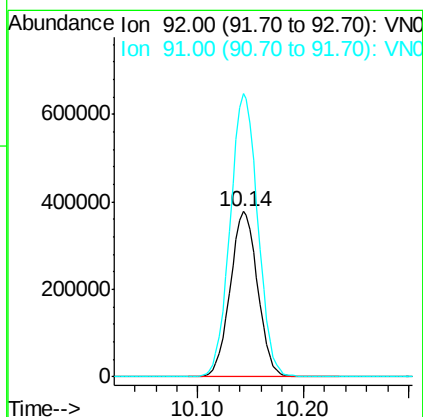
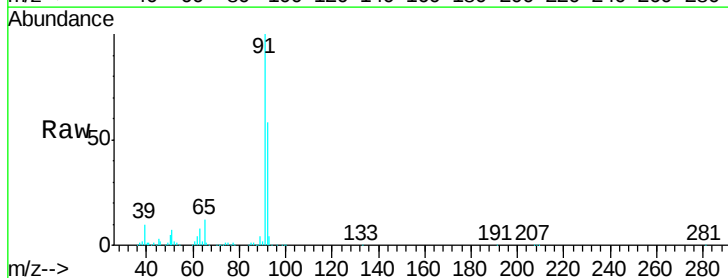
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

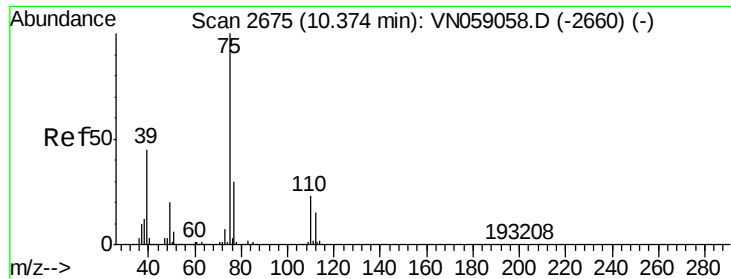
Tgt Ion: 43 Resp: 1970819
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.8 47.6



#52
 Toluene
 Concen: 50.567 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion: 92 Resp: 679647
 Ion Ratio Lower Upper
 92 100
 91 172.8 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 49.157 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

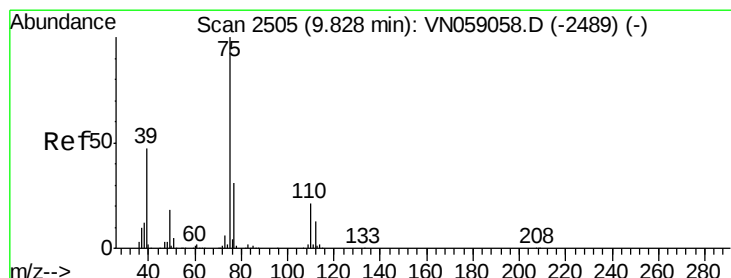
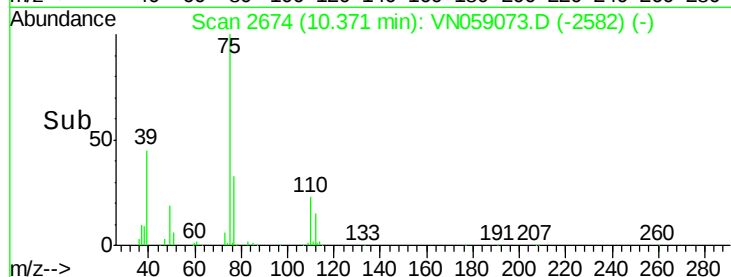
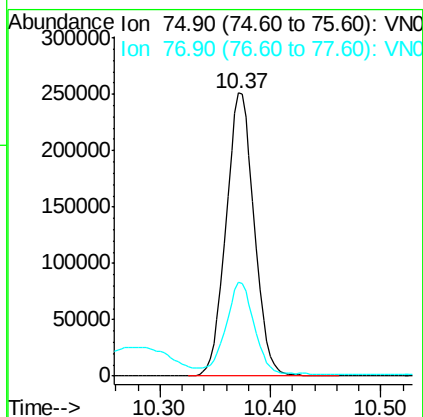
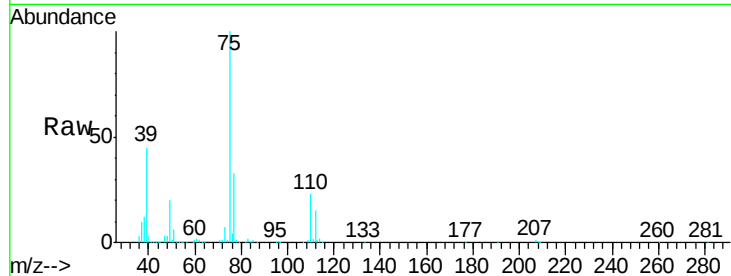
VSTDCCC050

Tgt Ion: 75 Resp: 441364

Ion Ratio Lower Upper

75 100

77 32.5 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 50.692 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

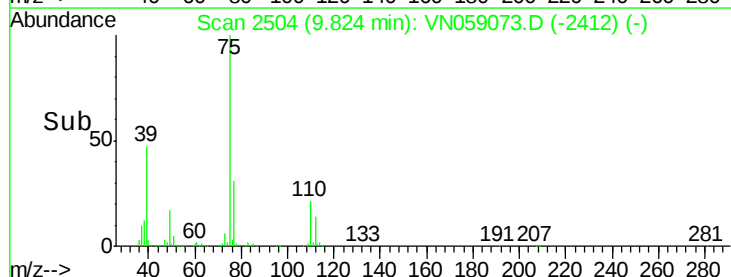
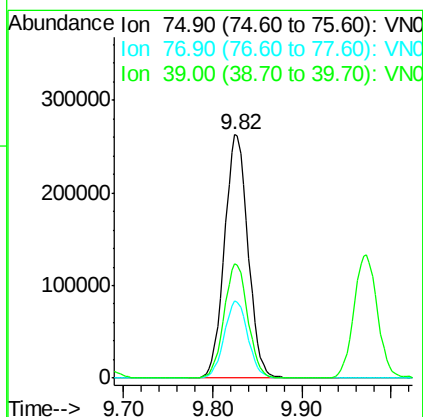
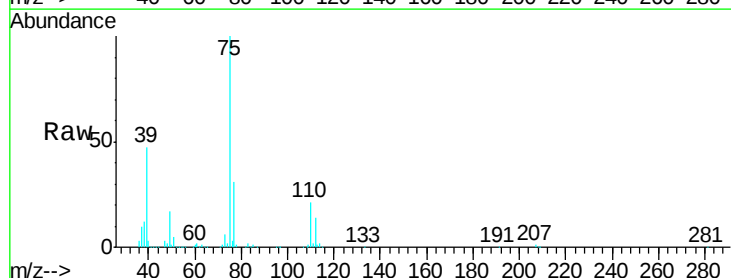
Tgt Ion: 75 Resp: 480075

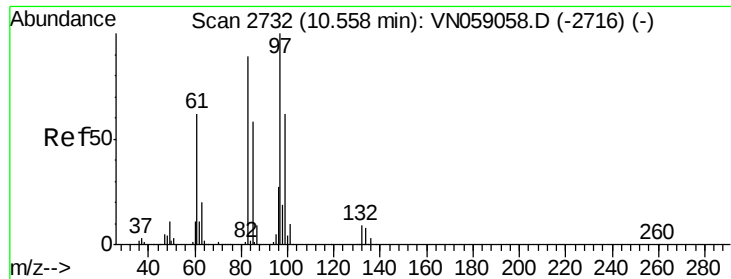
Ion Ratio Lower Upper

75 100

77 31.5 24.6 37.0

39 46.8 37.4 56.2





#55

1,1,2-Trichloroethane

Concen: 48.142 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 263582

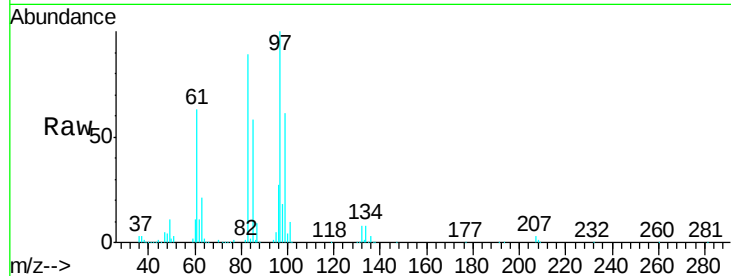
Ion Ratio Lower Upper

97 100

83 89.2 71.4 107.2

85 57.5 46.6 70.0

99 61.5 49.7 74.5

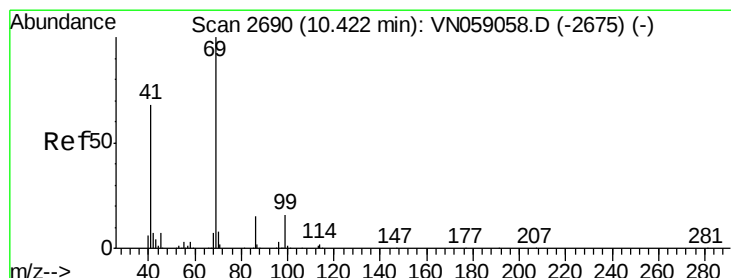
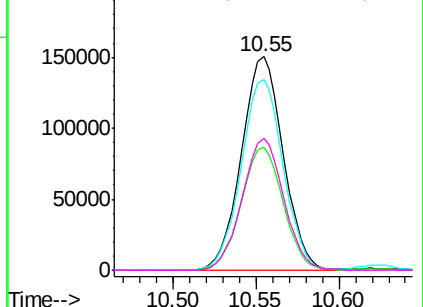
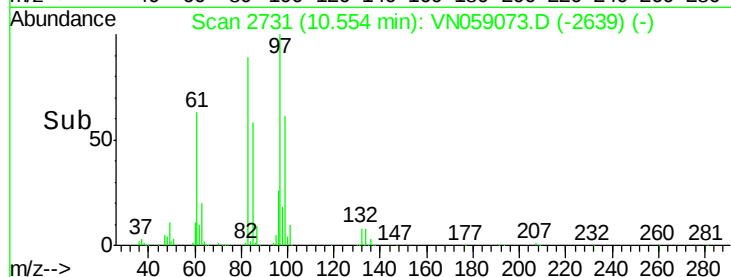


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 45.399 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

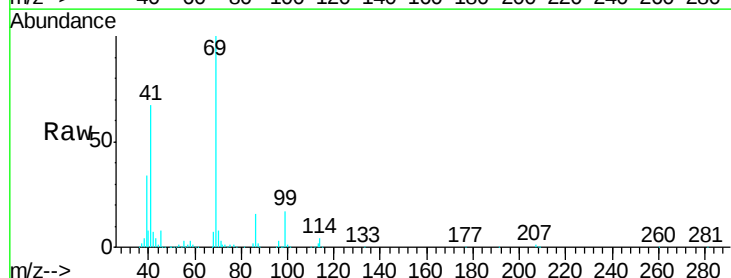
Tgt Ion: 69 Resp: 420027

Ion Ratio Lower Upper

69 100

41 67.6 53.8 80.8

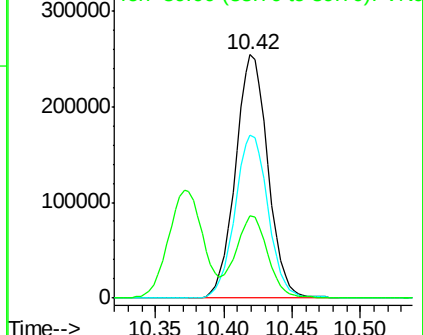
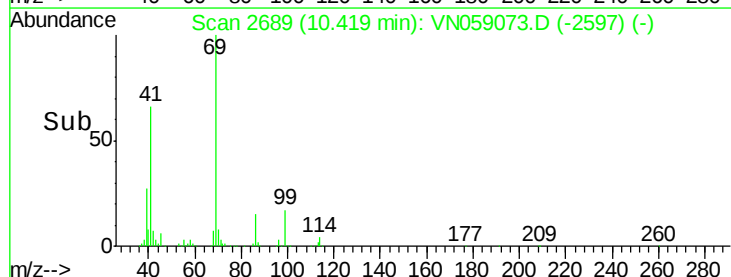
39 33.2 26.2 39.2

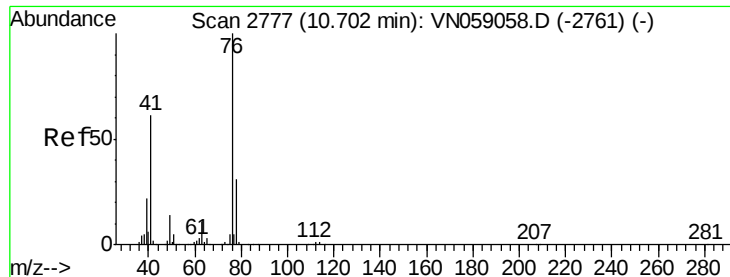


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.306 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

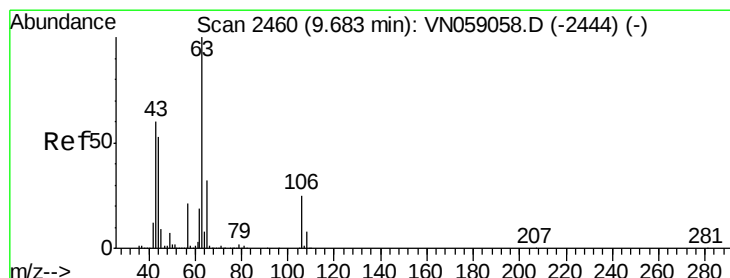
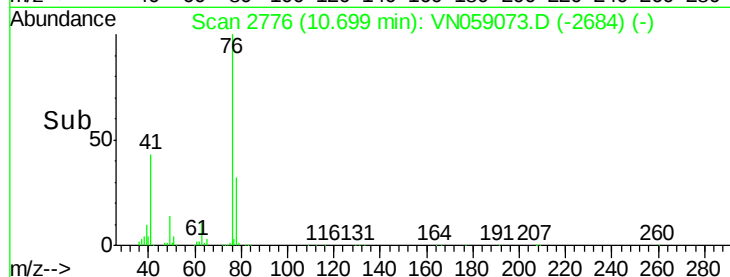
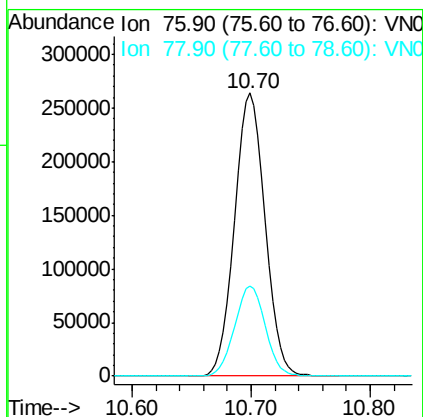
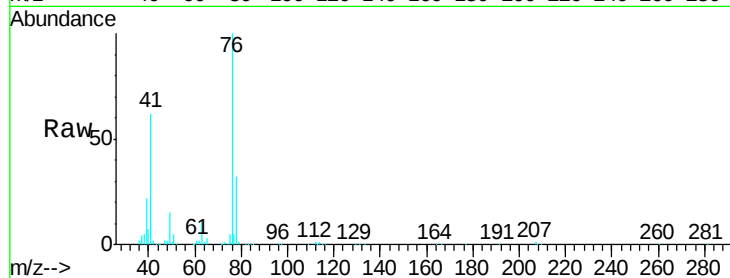
VSTDCCC050

Tgt Ion: 76 Resp: 469484

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 231.559 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059073.D

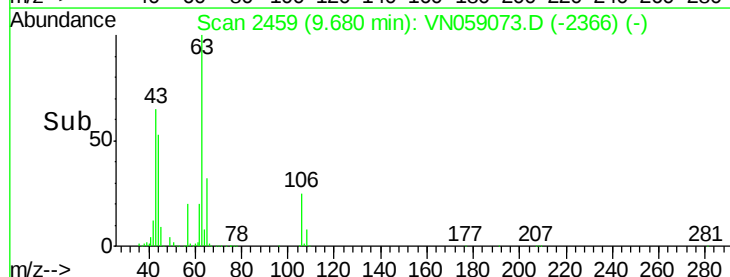
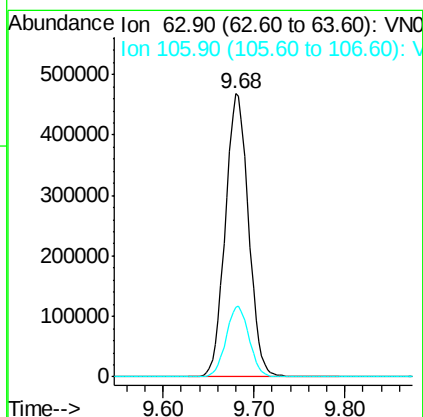
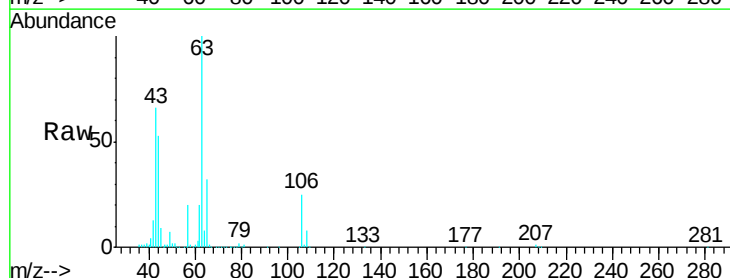
Acq: 4 Nov 2019 9:49

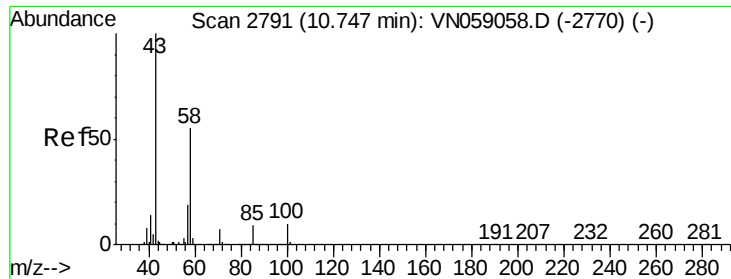
Tgt Ion: 63 Resp: 831177

Ion Ratio Lower Upper

63 100

106 24.8 19.8 29.6

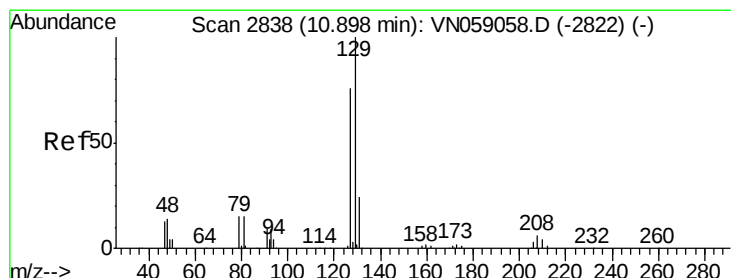
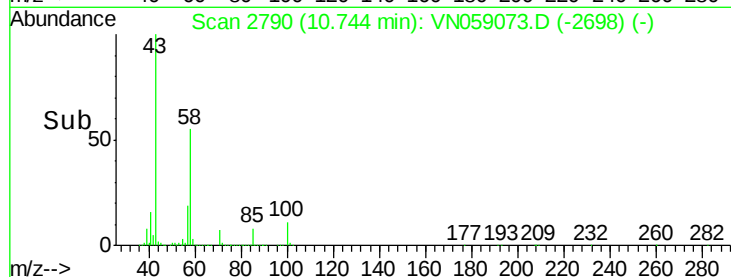
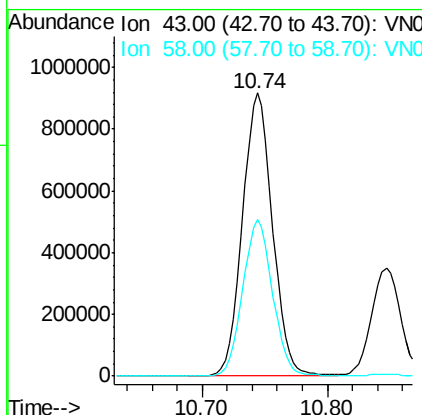
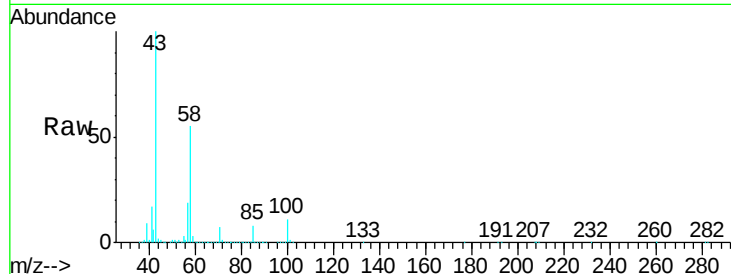




#59
2-Hexanone
Concen: 257.671 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

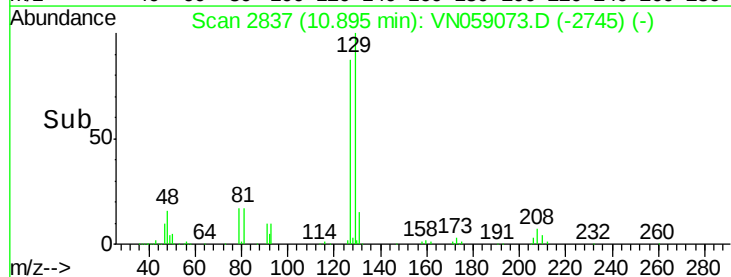
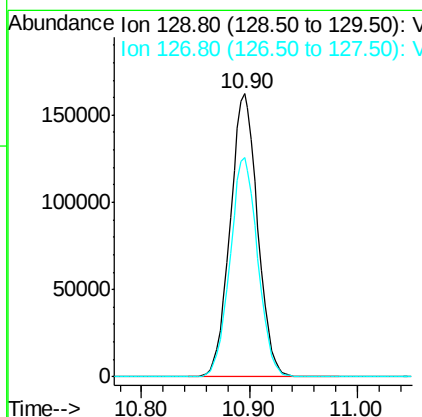
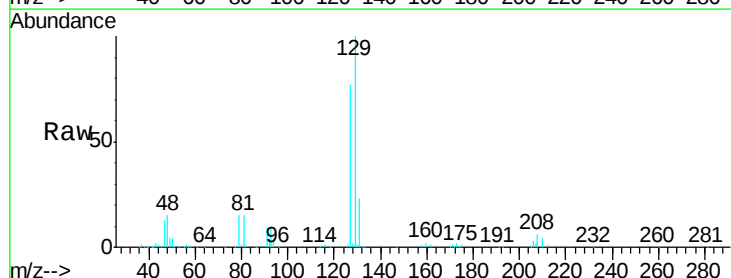
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

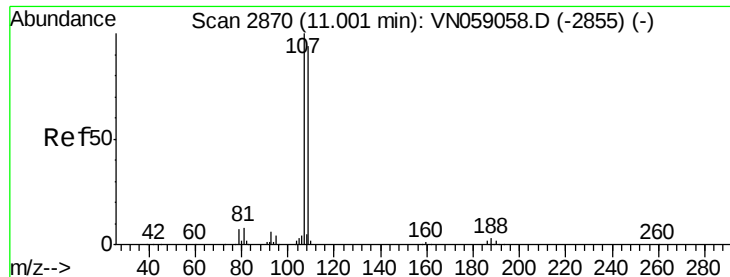
Tgt Ion: 43 Resp: 1527211
Ion Ratio Lower Upper
43 100
58 55.1 27.4 82.2



#60
Dibromochloromethane
Concen: 48.741 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion: 129 Resp: 287596
Ion Ratio Lower Upper
129 100
127 78.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 49.101 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

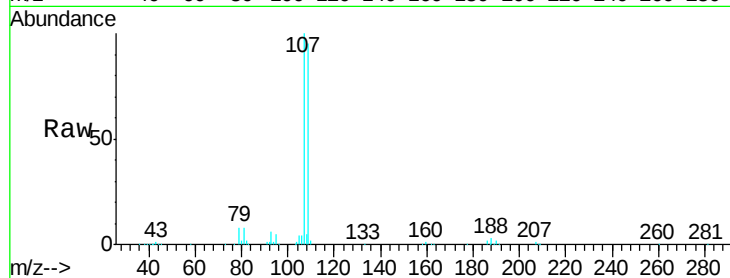
VSTDCCC050

Tgt Ion: 107 Resp: 272340

Ion Ratio Lower Upper

107 100

109 94.1 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

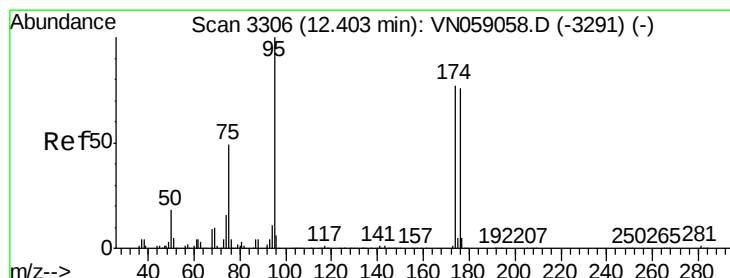
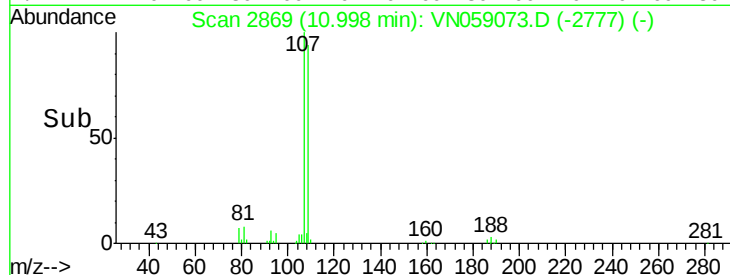
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.404 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

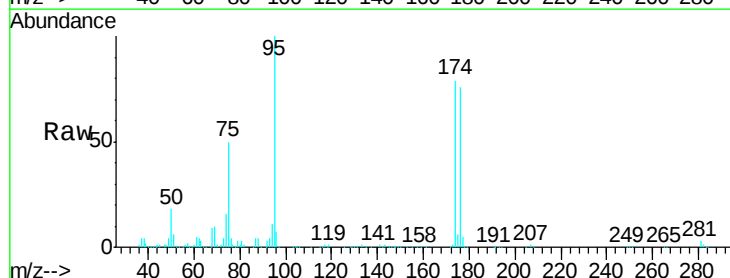
Tgt Ion: 95 Resp: 318804

Ion Ratio Lower Upper

95 100

174 78.3 0.0 155.8

176 75.5 0.0 151.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

250000

200000

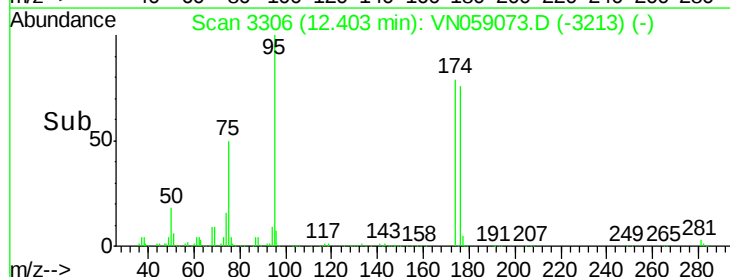
150000

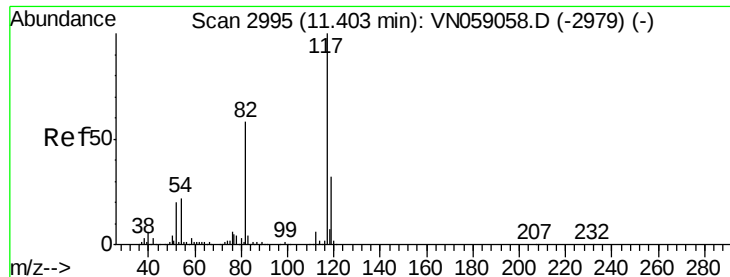
100000

50000

0

Time-->

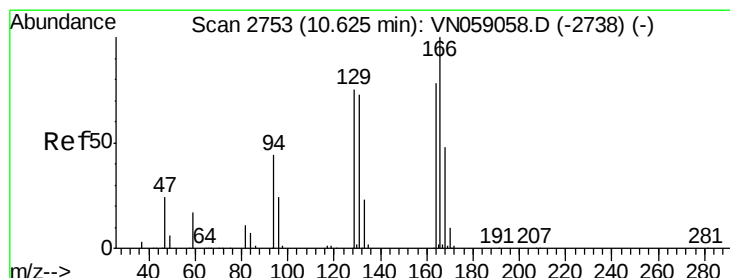
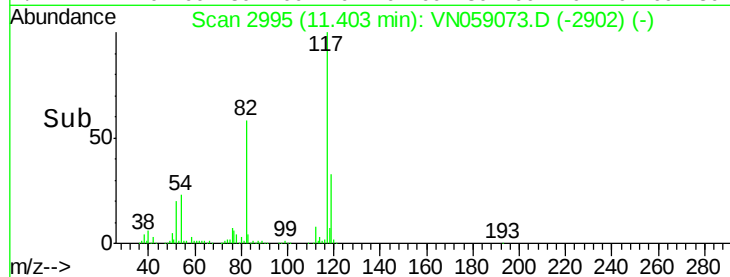
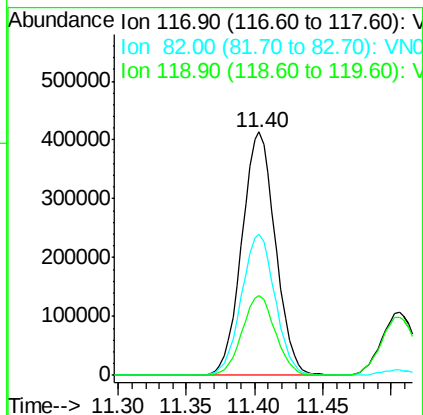
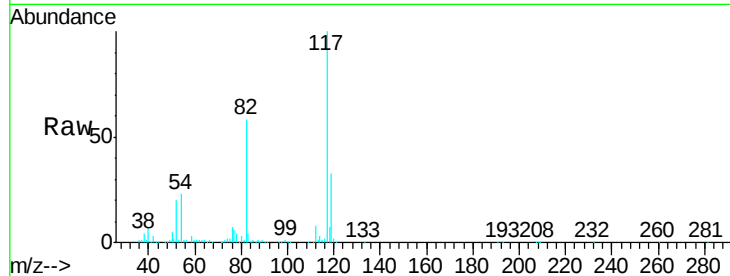




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

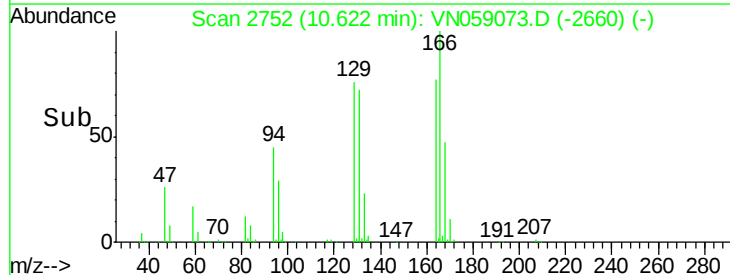
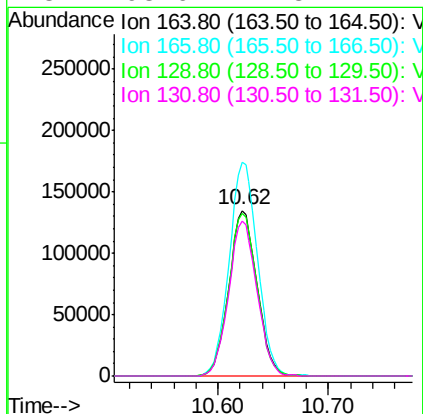
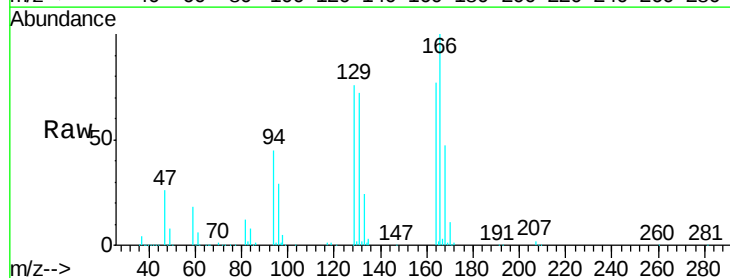
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

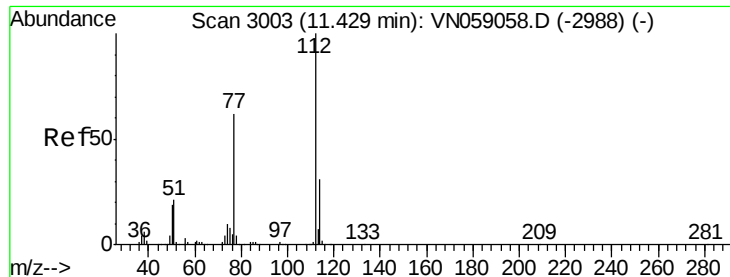
Tgt Ion:117 Resp: 707491
Ion Ratio Lower Upper
117 100
82 57.9 46.0 69.0
119 32.7 25.6 38.4



#64
Tetrachloroethene
Concen: 48.170 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion:164 Resp: 238062
Ion Ratio Lower Upper
164 100
166 129.1 102.7 154.1
129 98.6 77.3 115.9
131 93.6 74.8 112.2





#65

Chlorobenzene

Concen: 48.968 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

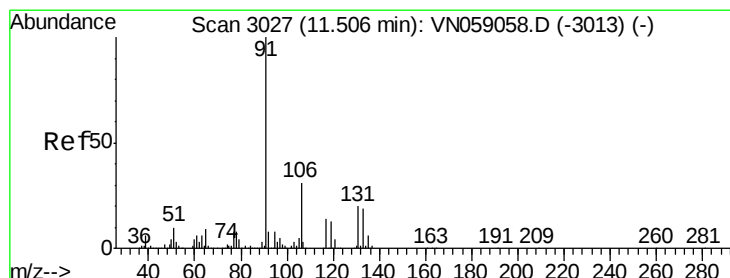
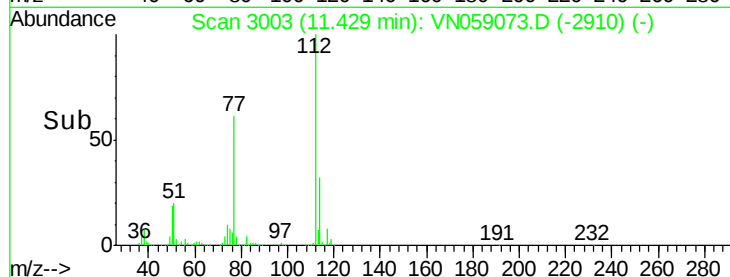
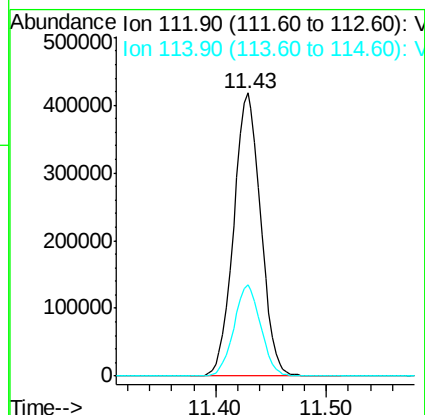
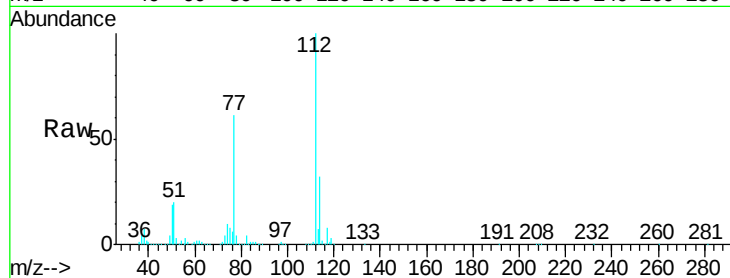
VSTDCCC050

Tgt Ion:112 Resp: 711042

Ion Ratio Lower Upper

112 100

114 32.2 25.0 37.6



#66

1,1,1,2-Tetrachloroethane

Concen: 49.014 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

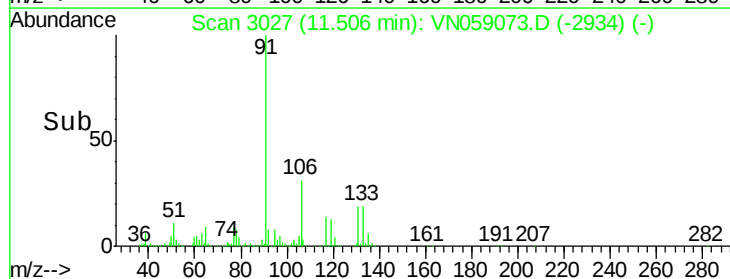
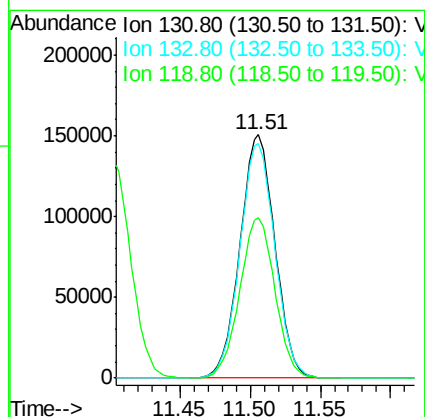
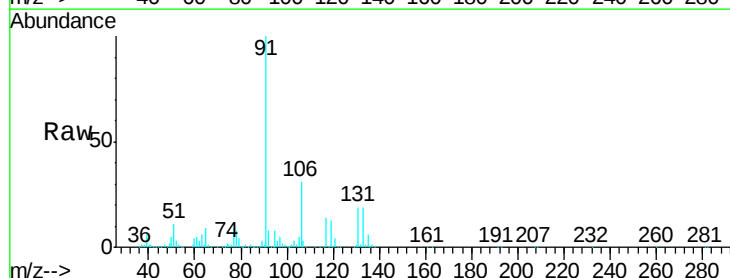
Tgt Ion:131 Resp: 261846

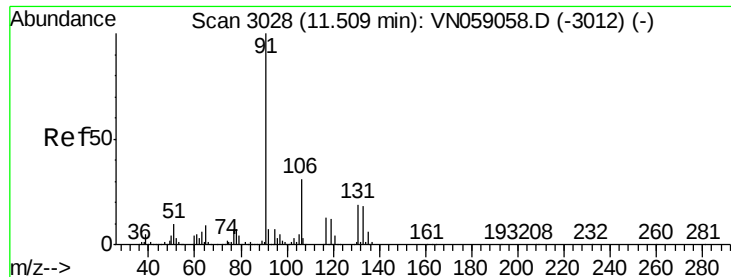
Ion Ratio Lower Upper

131 100

133 96.6 47.9 143.6

119 66.4 33.5 100.5





#67

Ethyl Benzene

Concen: 51.842 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

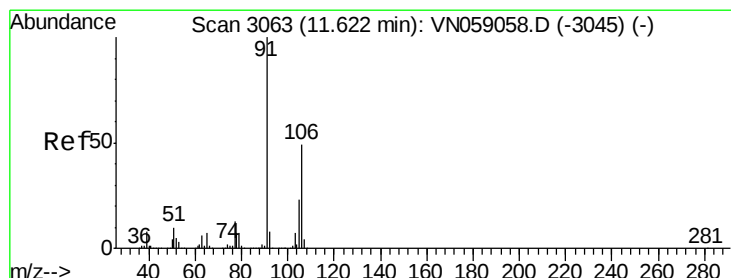
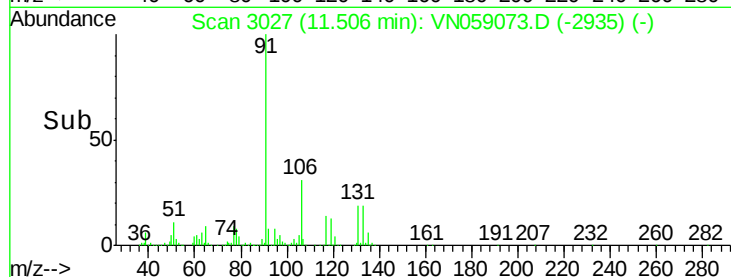
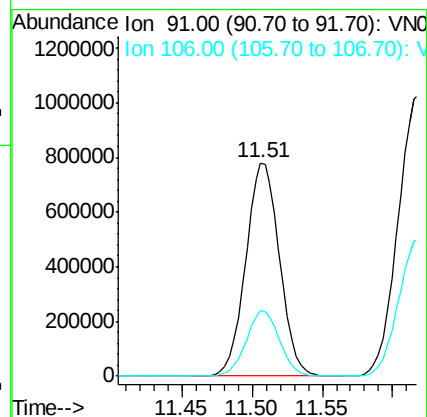
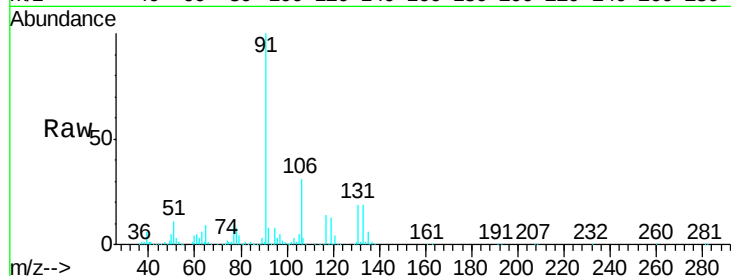
VSTDCCC050

Tgt Ion: 91 Resp: 1303126

Ion Ratio Lower Upper

91 100

106 30.6 24.6 36.8



#68

m/p-Xylenes

Concen: 103.476 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059073.D

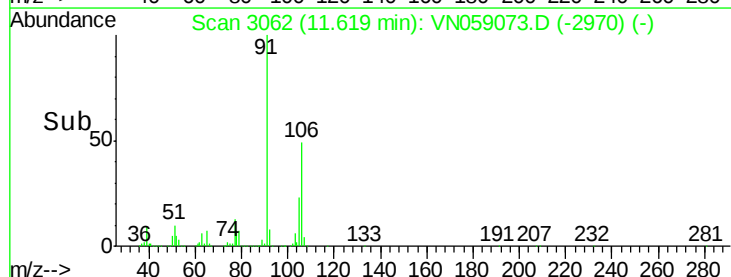
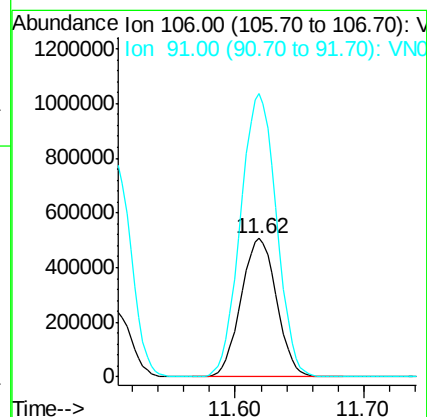
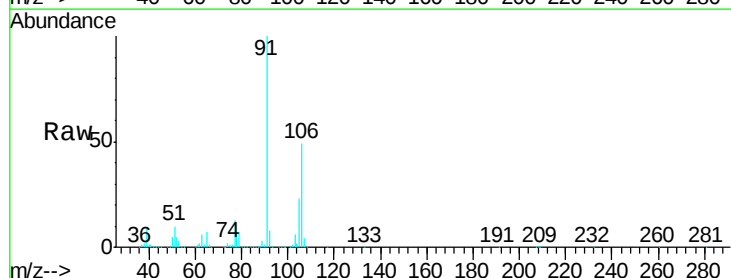
Acq: 4 Nov 2019 9:49

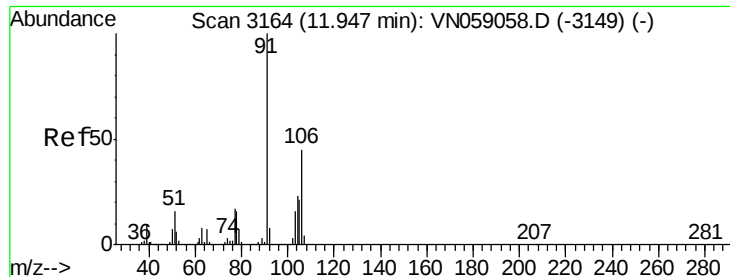
Tgt Ion: 106 Resp: 971261

Ion Ratio Lower Upper

106 100

91 206.8 165.7 248.5





#69

o-Xylene

Concen: 51.627 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

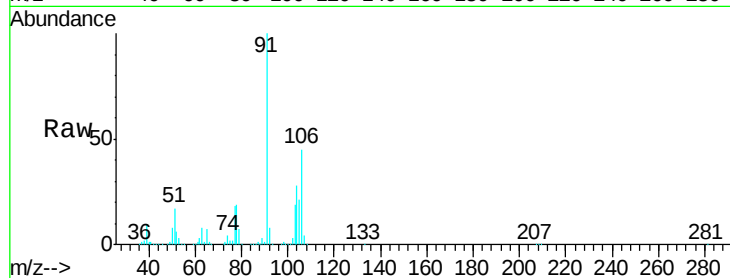
VSTDCCC050

Tgt Ion:106 Resp: 462737

Ion Ratio Lower Upper

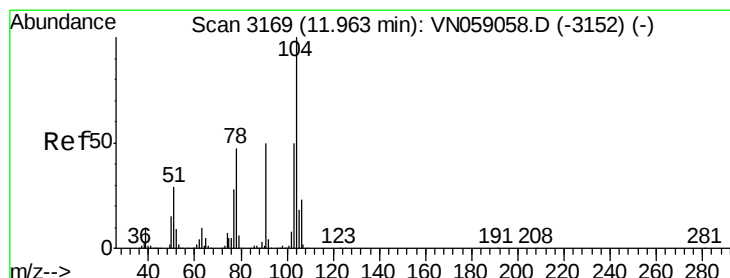
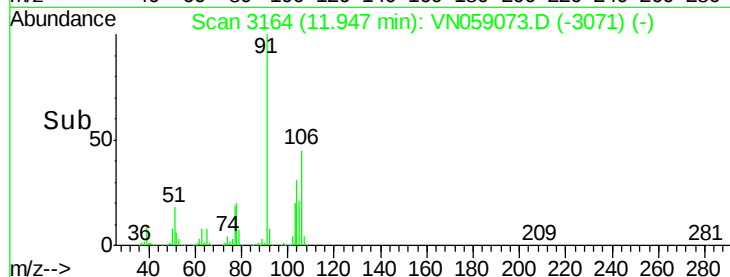
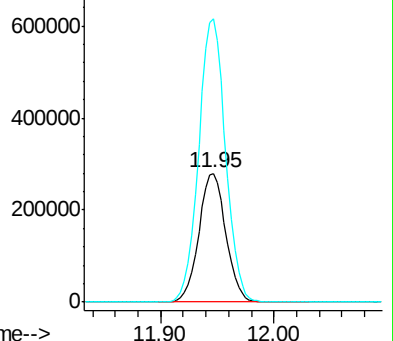
106 100

91 219.4 110.4 331.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 52.849 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

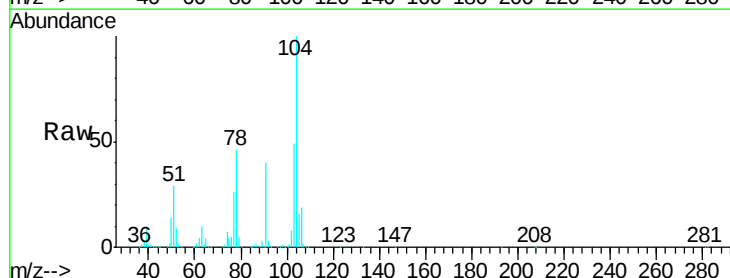
Tgt Ion:104 Resp: 767618

Ion Ratio Lower Upper

104 100

78 51.7 41.2 61.8

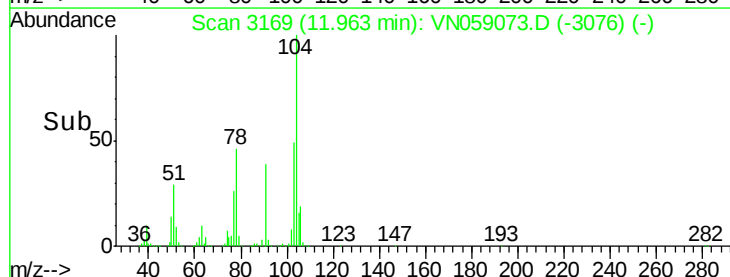
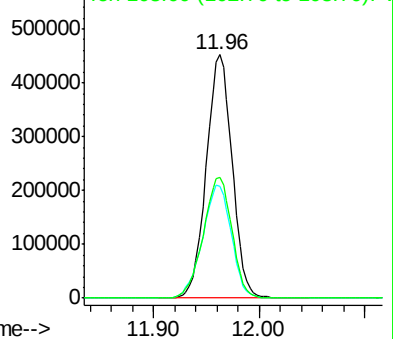
103 54.8 43.9 65.9

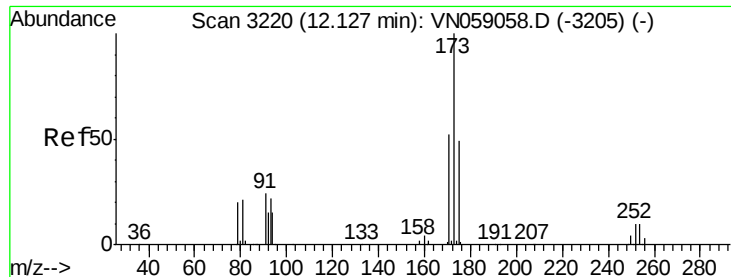


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.945 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

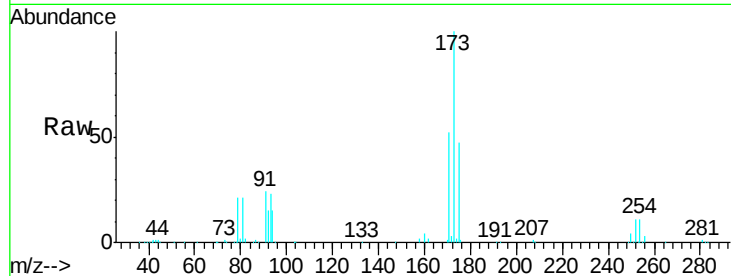
Tgt Ion:173 Resp: 206529

Ion Ratio Lower Upper

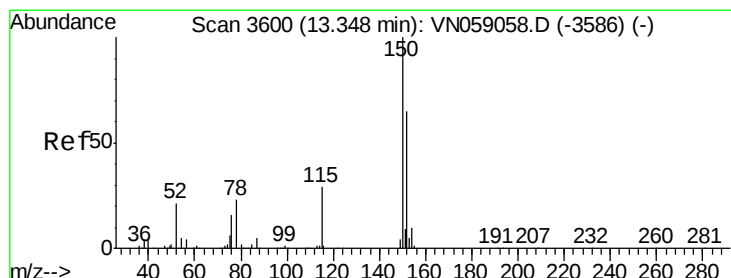
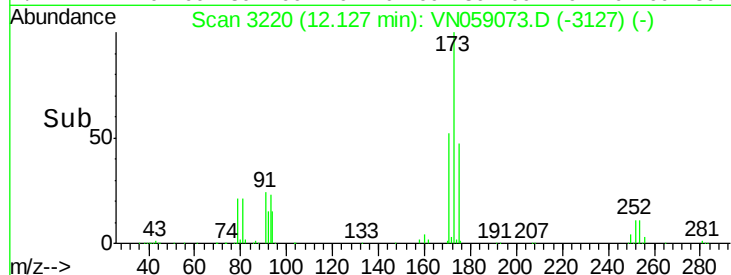
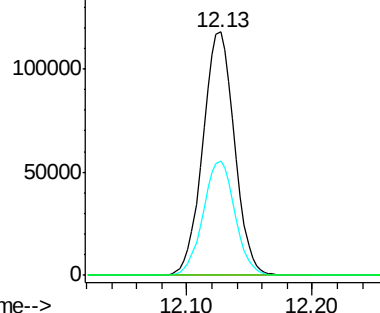
173 100

175 47.1 24.4 73.2

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

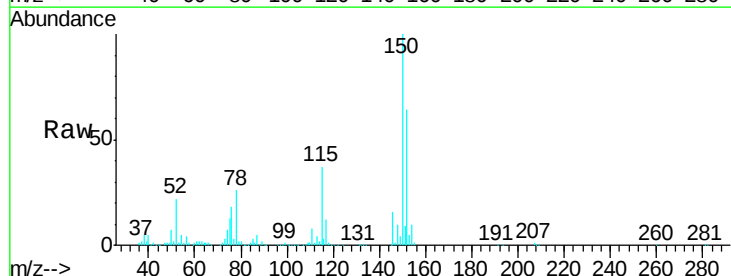
Tgt Ion:152 Resp: 343102

Ion Ratio Lower Upper

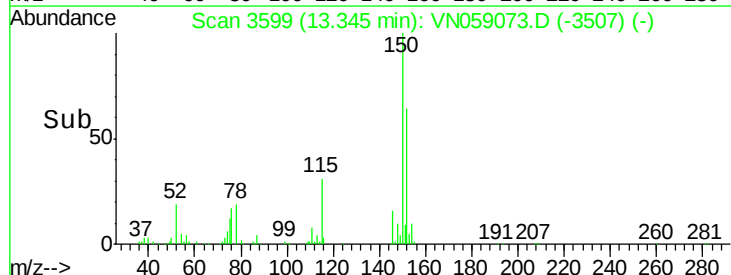
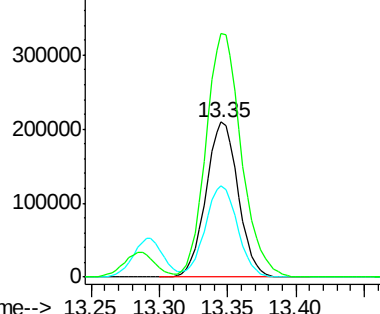
152 100

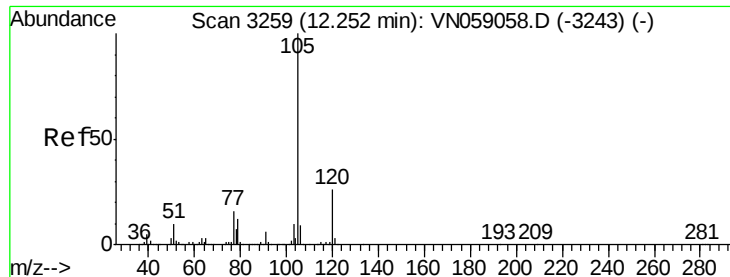
115 59.2 29.6 88.9

150 172.3 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: 49.673 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

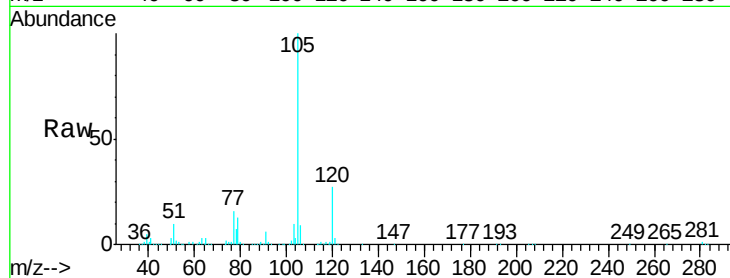
VSTDCCC050

Tgt Ion:105 Resp: 1253801

Ion Ratio Lower Upper

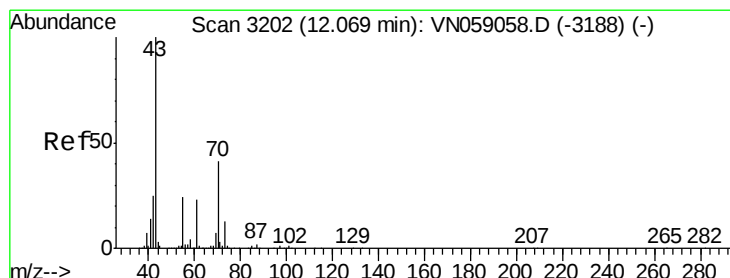
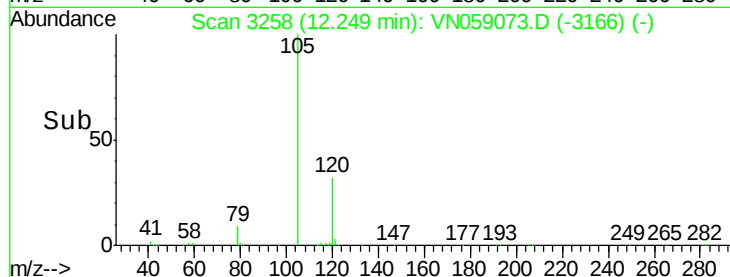
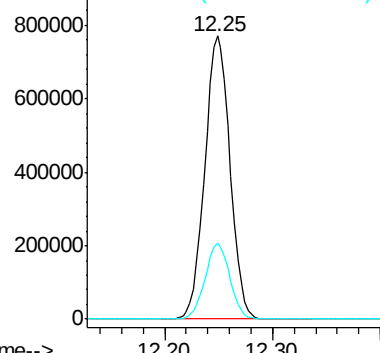
105 100

120 26.3 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.308 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Tgt Ion: 43 Resp: 542404

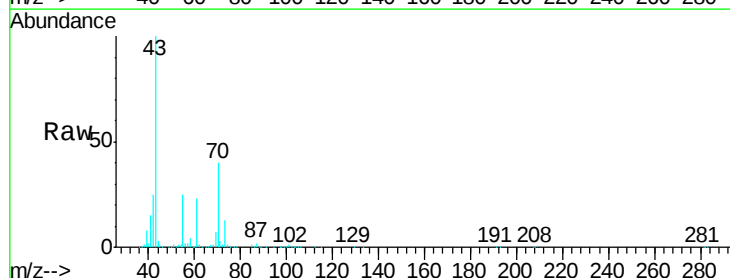
Ion Ratio Lower Upper

43 100

70 40.8 32.6 49.0

55 25.7 19.7 29.5

61 23.6 19.0 28.6

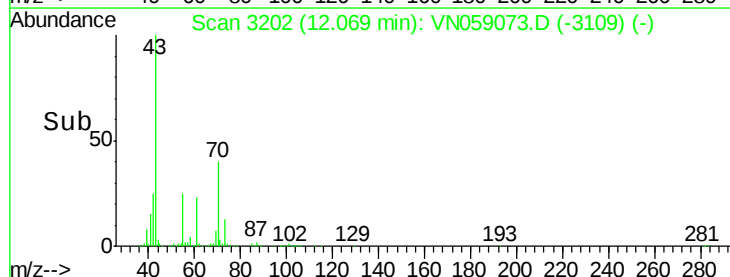
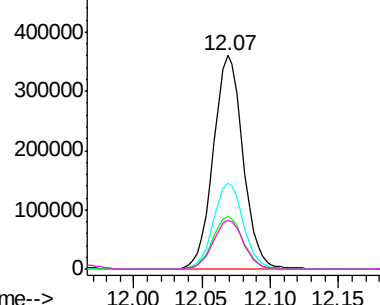


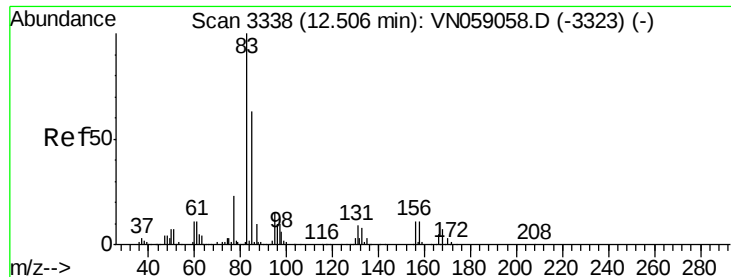
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.547 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

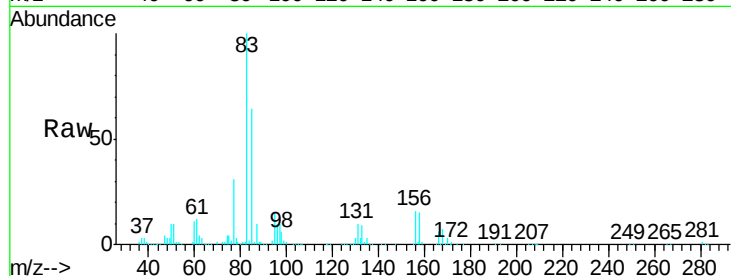
Tgt Ion: 83 Resp: 400542

Ion Ratio Lower Upper

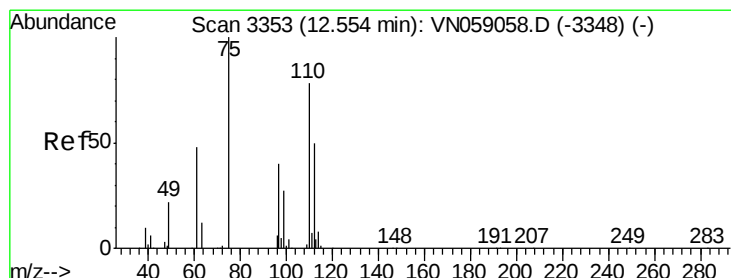
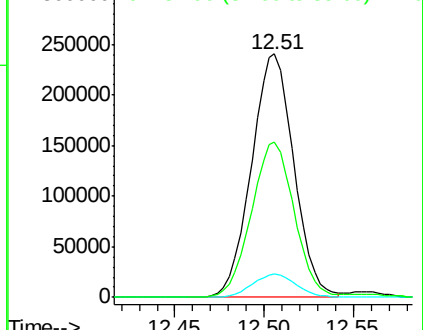
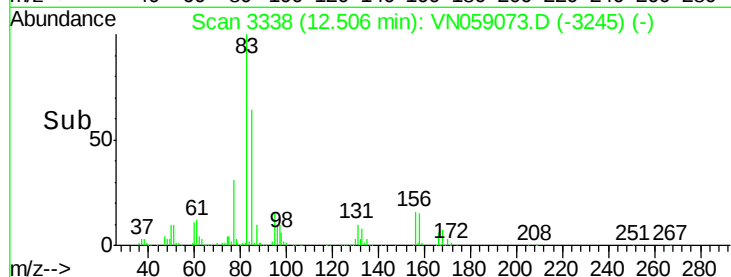
83 100

131 9.8 4.9 14.7

85 64.5 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN059073.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 66.175 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN059073.D

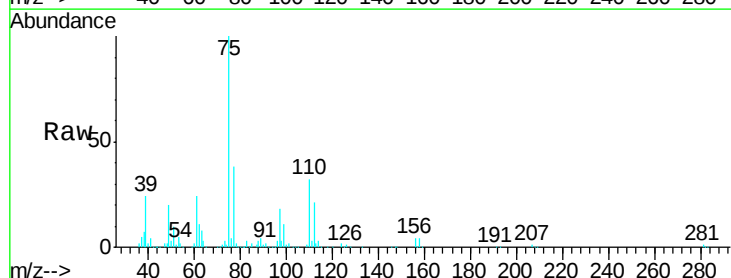
Acq: 4 Nov 2019 9:49

Tgt Ion: 75 Resp: 537290

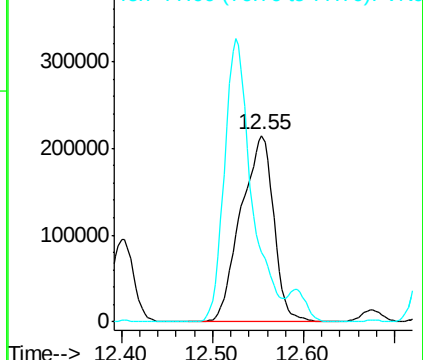
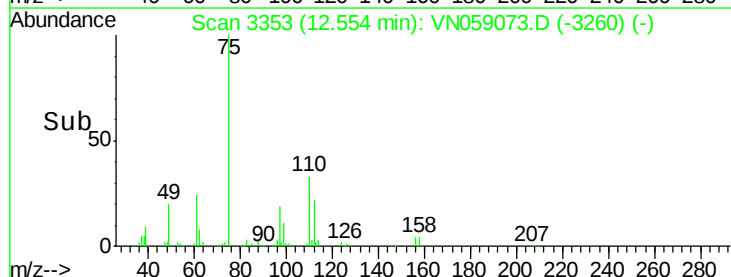
Ion Ratio Lower Upper

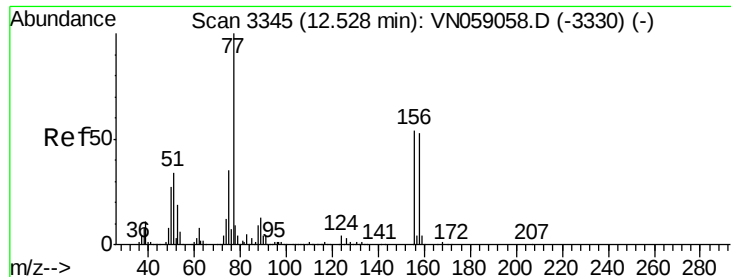
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059073.D (-3260) (-)





#77

Bromobenzene

Concen: 47.528 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

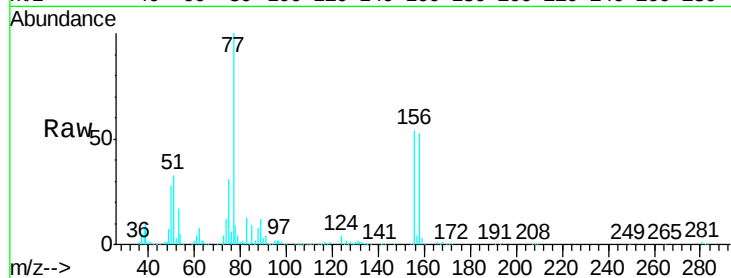
Tgt Ion:156 Resp: 299962

Ion Ratio Lower Upper

156 100

77 226.3 114.2 342.6

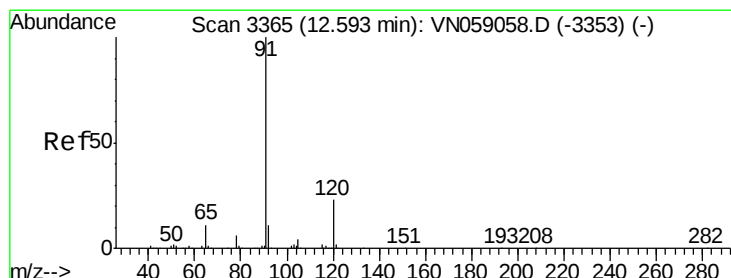
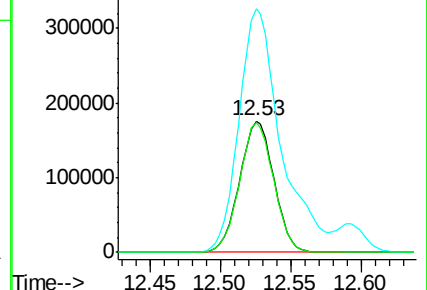
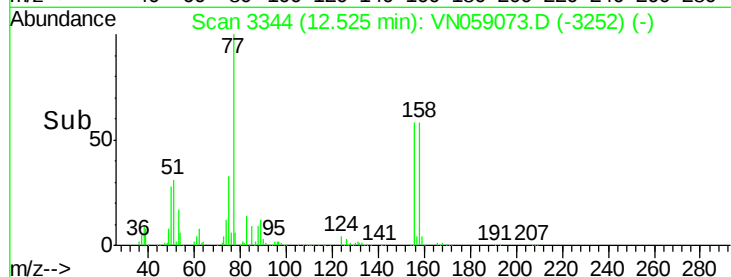
158 97.9 49.6 149.0



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: 50.985 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN059073.D

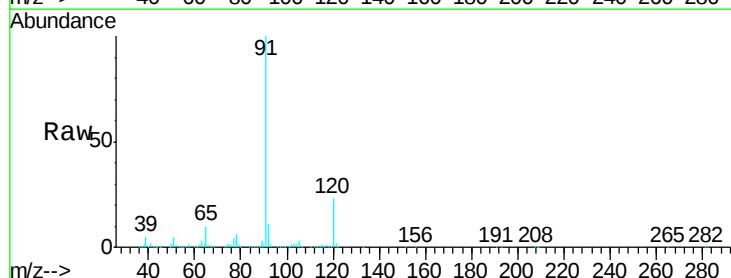
Acq: 4 Nov 2019 9:49

Tgt Ion: 91 Resp: 1490492

Ion Ratio Lower Upper

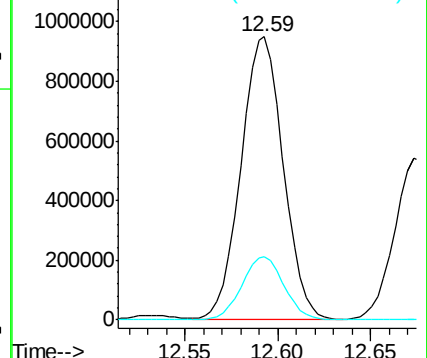
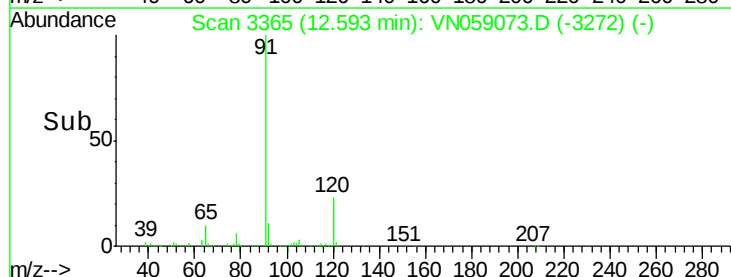
91 100

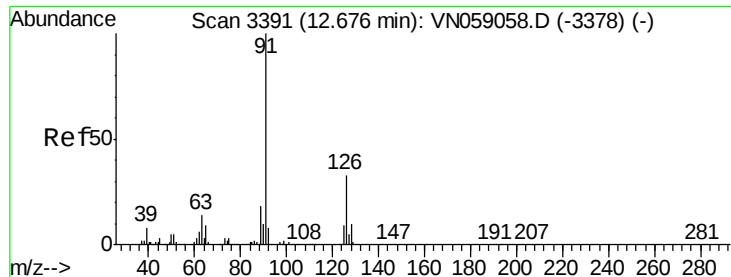
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.437 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

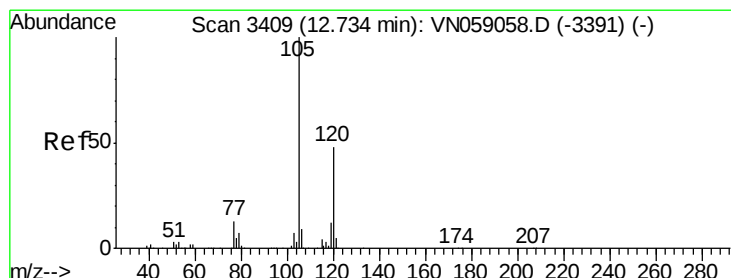
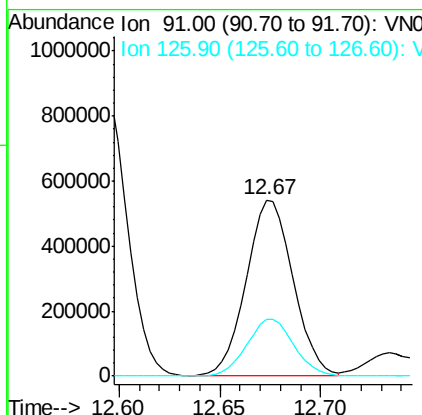
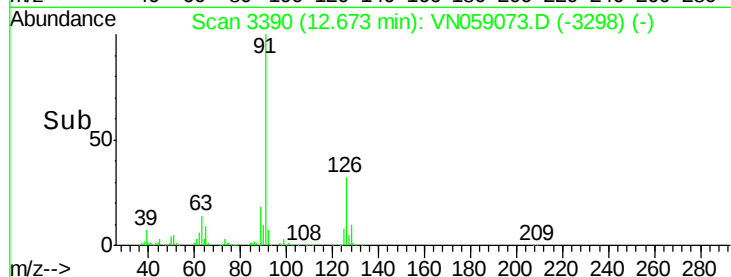
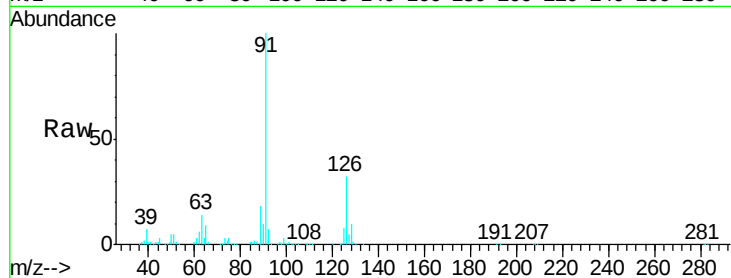
VSTDCCC050

Tgt Ion: 91 Resp: 879250

Ion Ratio Lower Upper

91 100

126 32.7 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 50.325 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059073.D

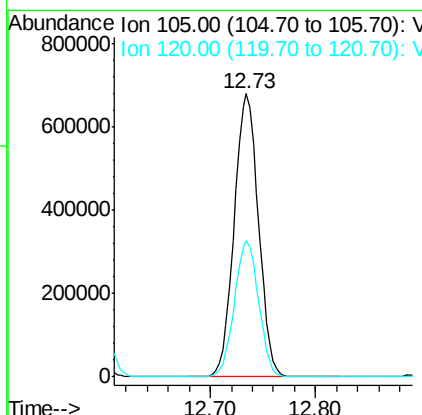
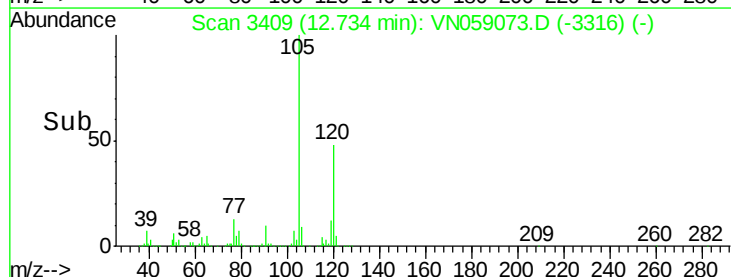
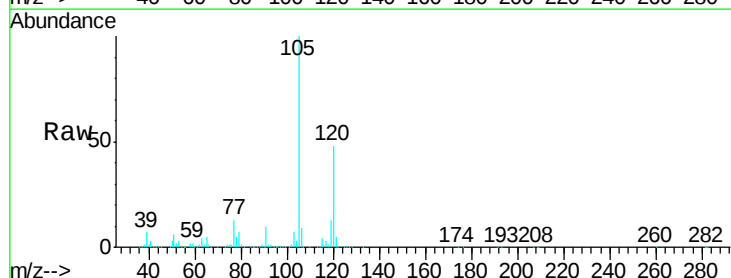
Acq: 4 Nov 2019 9:49

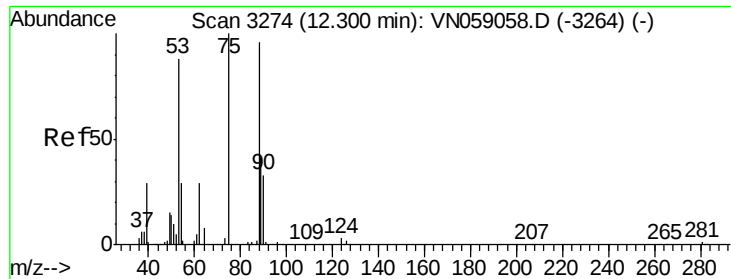
Tgt Ion: 105 Resp: 1079590

Ion Ratio Lower Upper

105 100

120 48.1 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 46.945 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

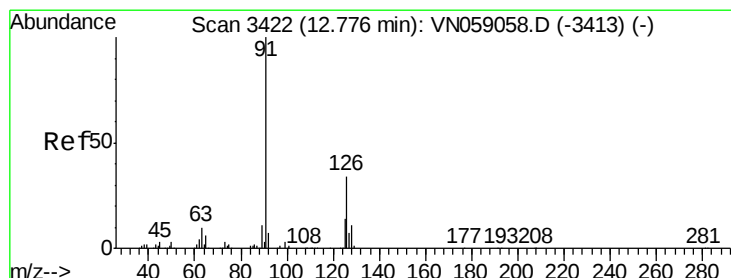
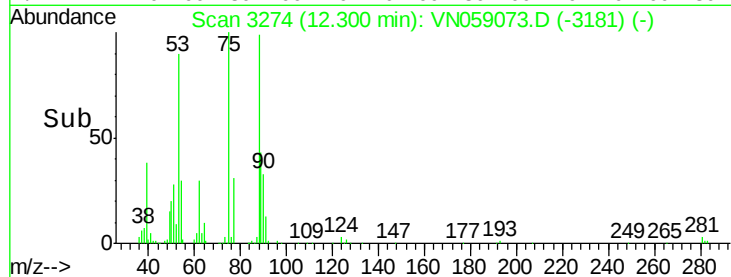
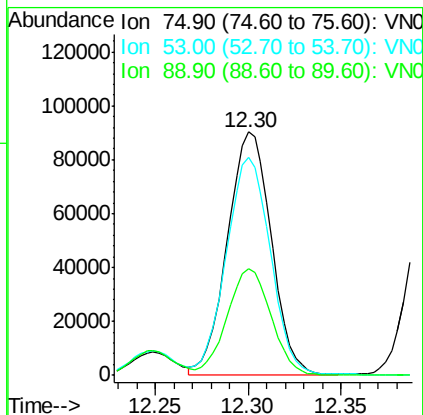
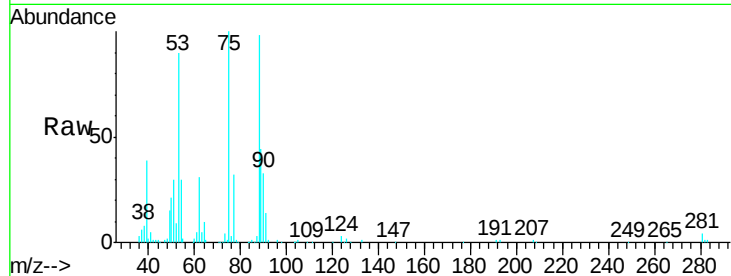
Tgt Ion: 75 Resp: 148684

Ion Ratio Lower Upper

75 100

53 90.3 70.4 105.6

89 44.0 34.2 51.2



#82

4-Chlorotoluene

Concen: 49.303 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059073.D

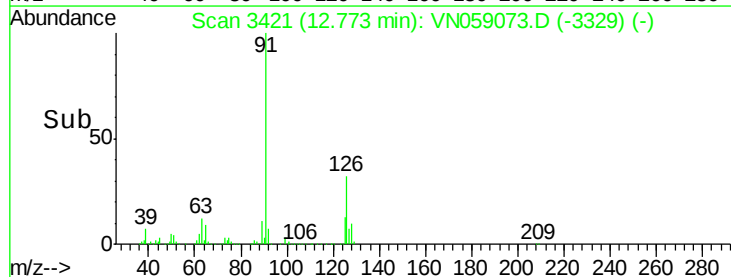
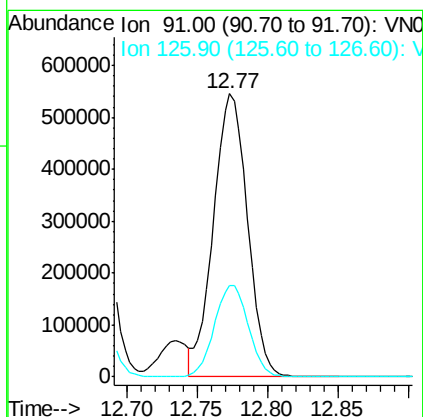
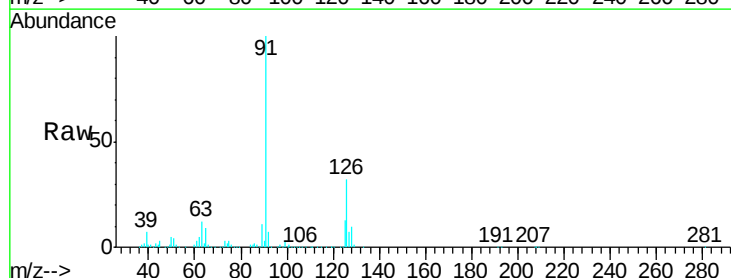
Acq: 4 Nov 2019 9:49

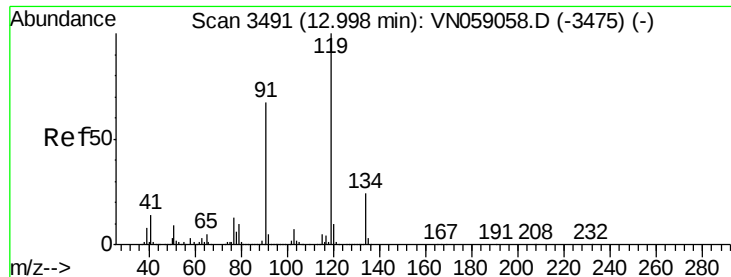
Tgt Ion: 91 Resp: 913383

Ion Ratio Lower Upper

91 100

126 32.1 16.0 47.9

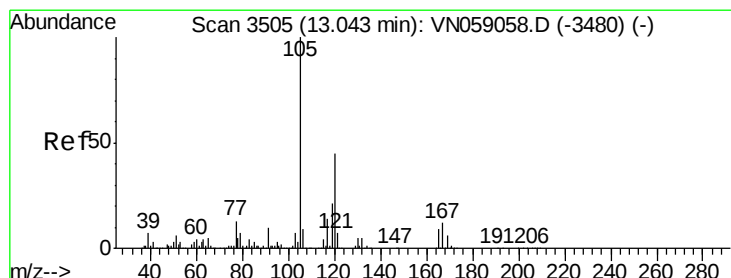
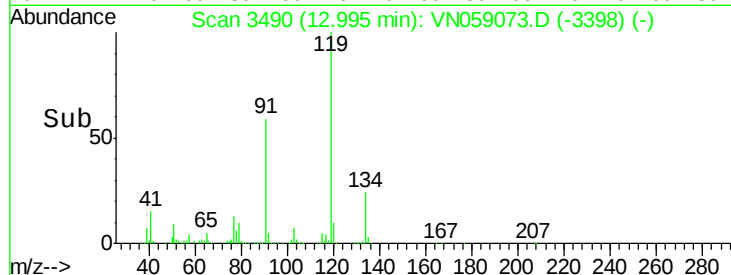
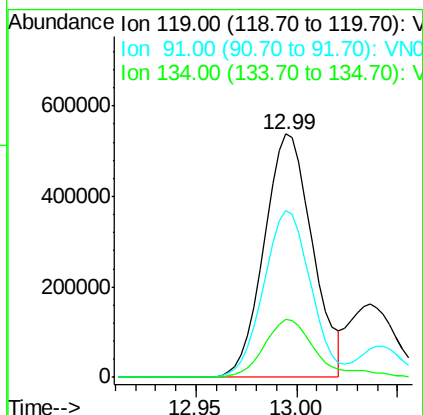
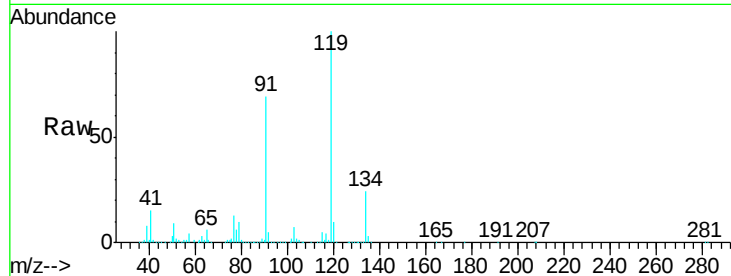




#83
 tert-Butylbenzene
 Concen: 49.121 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

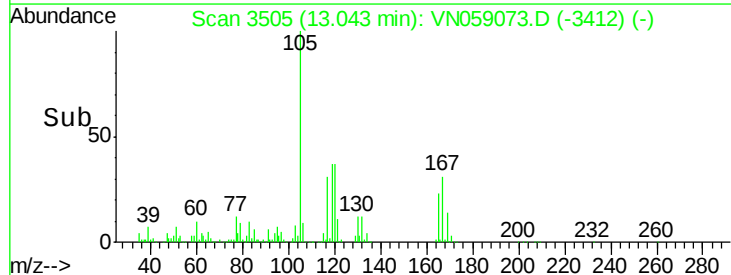
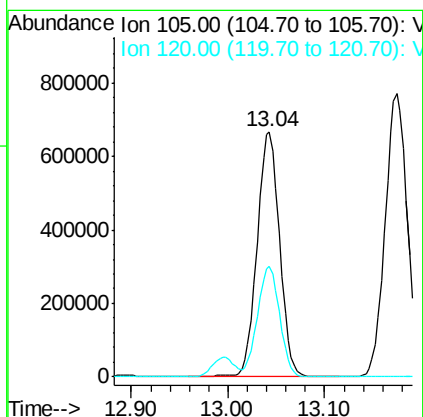
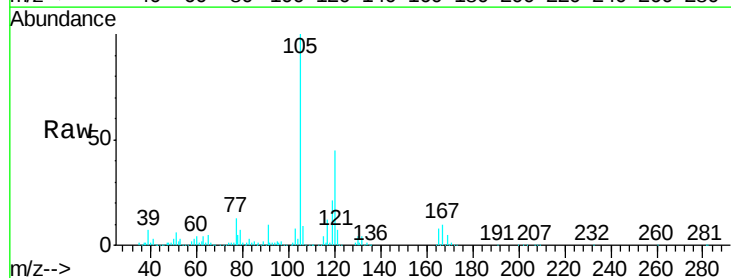
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

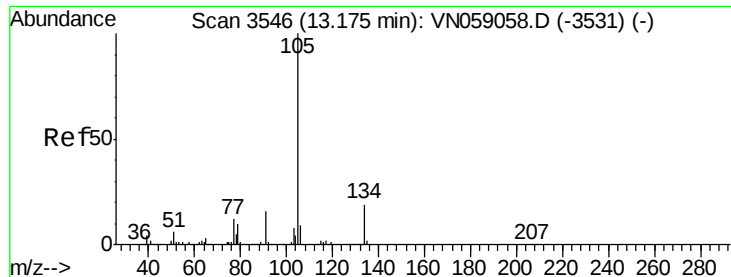
Tgt Ion:119 Resp: 895154
 Ion Ratio Lower Upper
 119 100
 91 66.9 33.7 101.0
 134 25.6 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 51.585 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion:105 Resp: 1075264
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.3 66.9

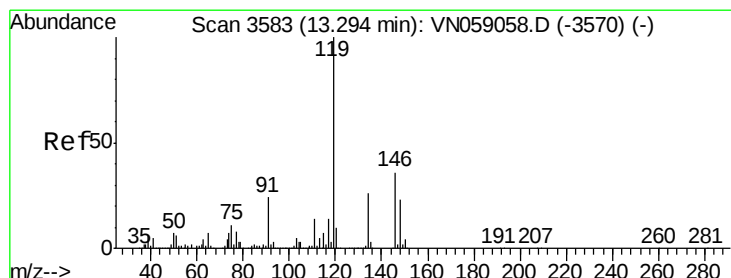
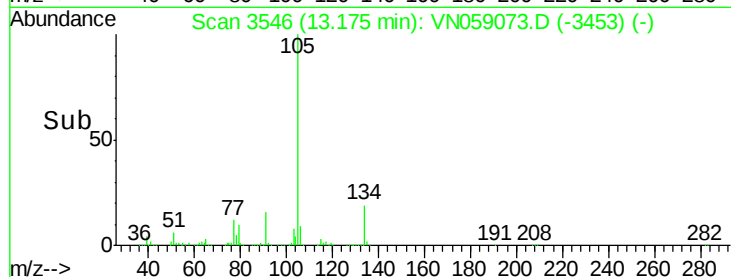
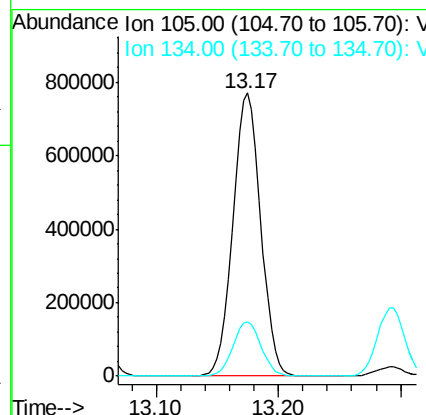
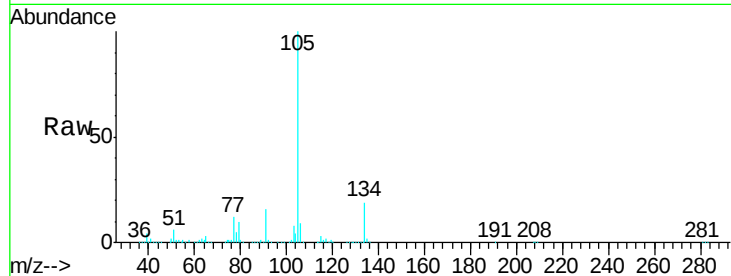




#85
 sec-Butylbenzene
 Concen: 51.197 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

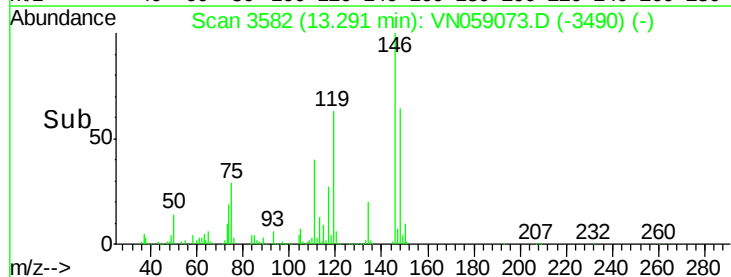
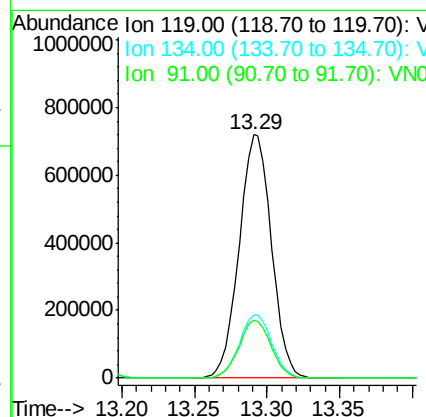
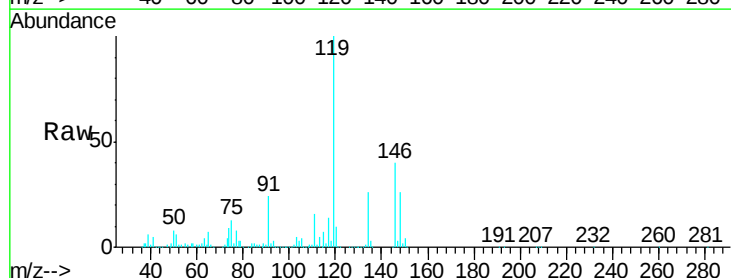
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

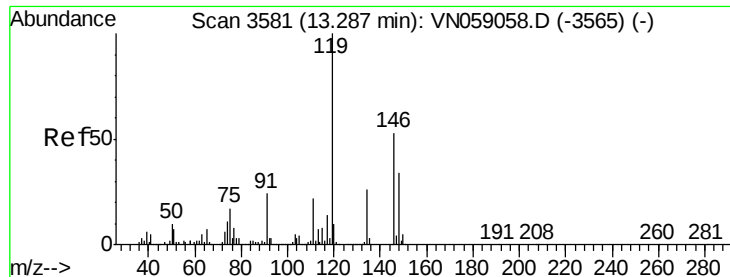
Tgt Ion:105 Resp: 1222791
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 51.457 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion:119 Resp: 1107998
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 39.0
 91 23.7 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 48.382 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

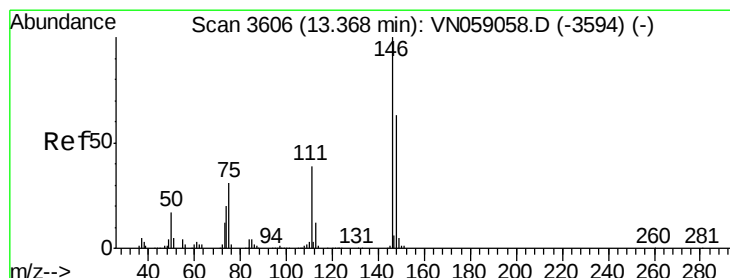
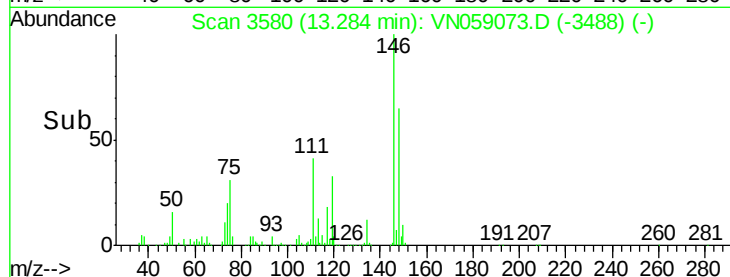
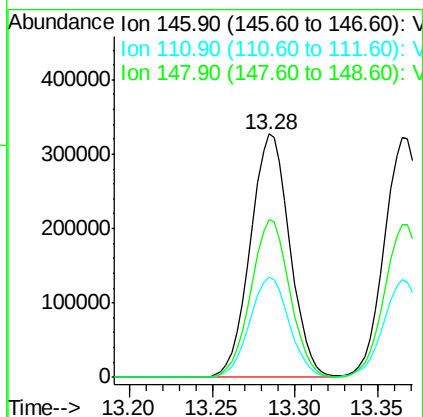
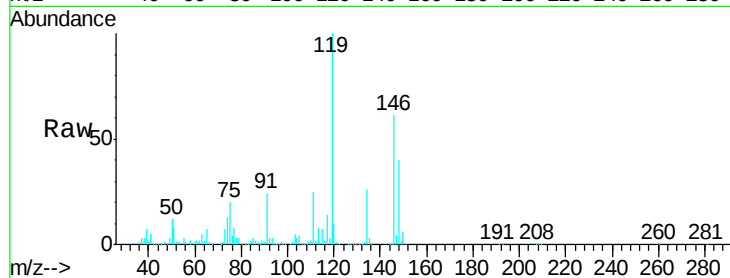
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	542538
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.5
148	64.1	31.8	95.3



#88

1,4-Dichlorobenzene

Concen: 48.442 ug/l

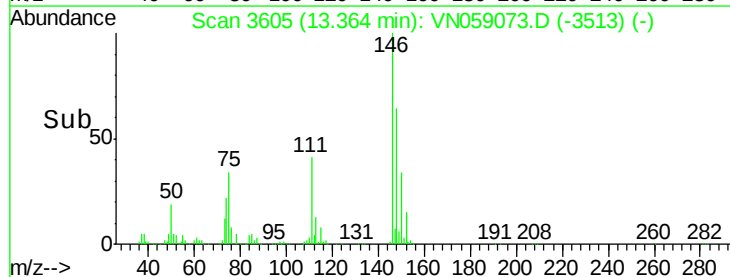
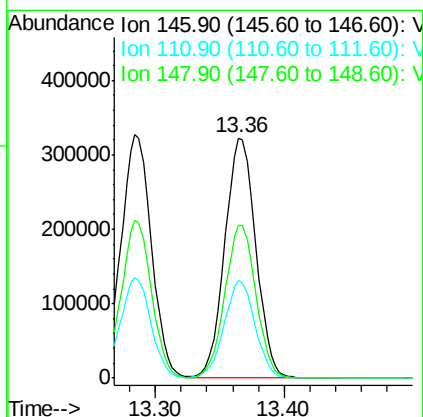
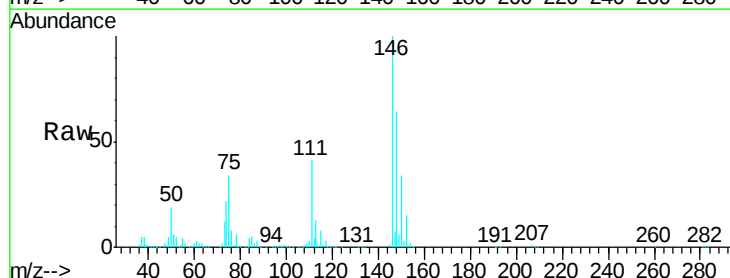
RT: 13.36 min Scan# 3605

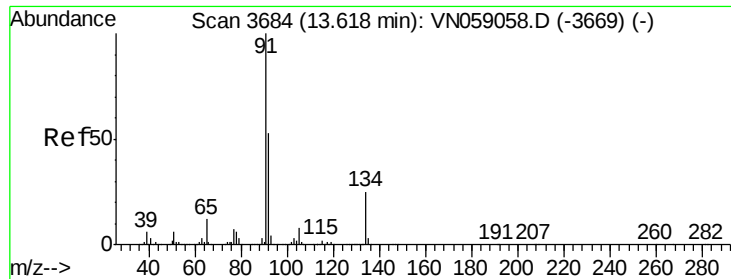
Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Tgt Ion:	146	Resp:	537326
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.1	60.2
148	63.7	31.9	95.7

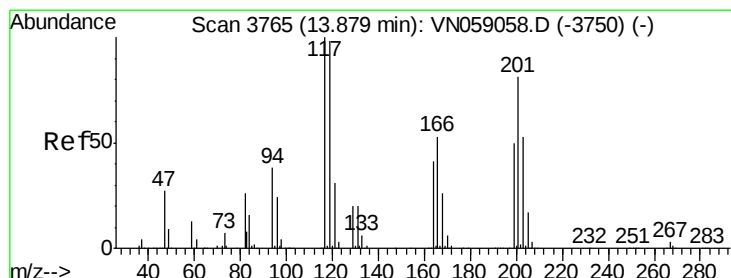
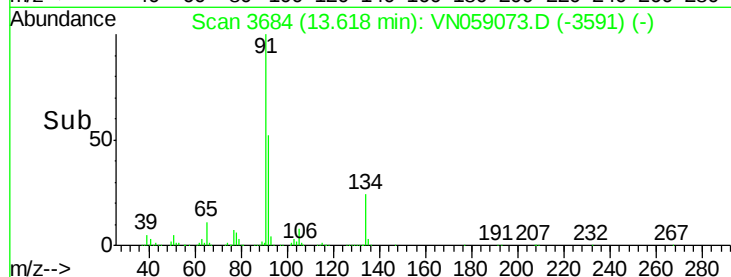
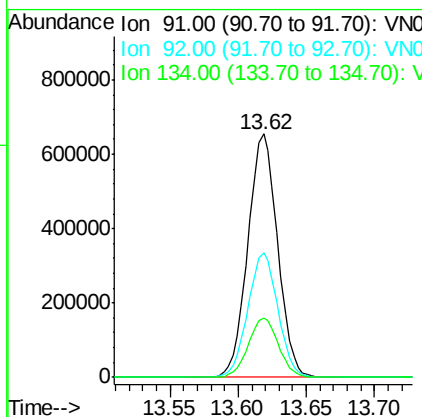
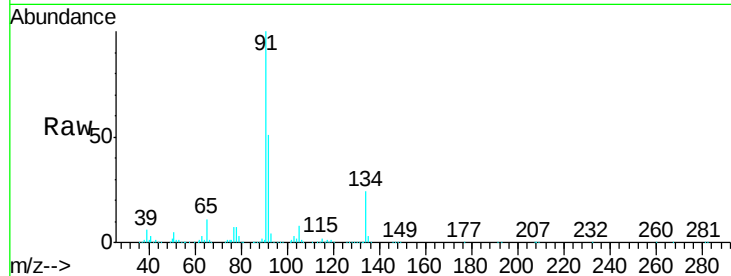




#89
n-Butylbenzene
Concen: 52.864 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

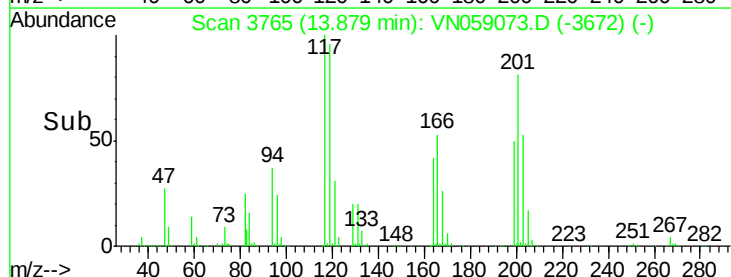
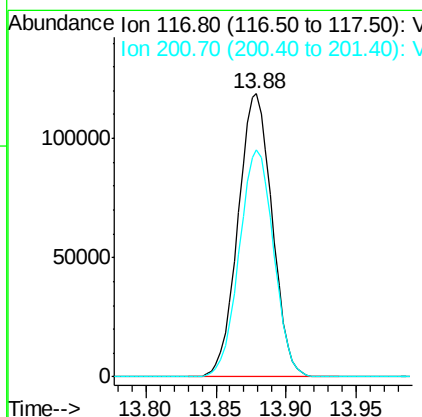
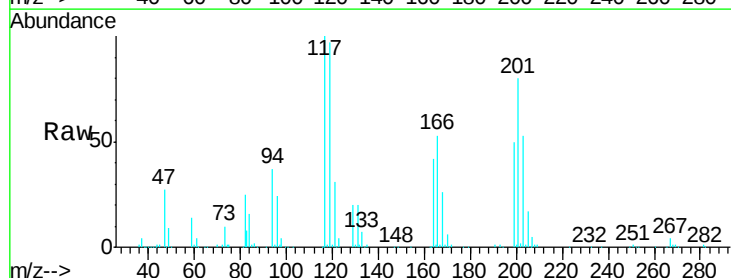
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

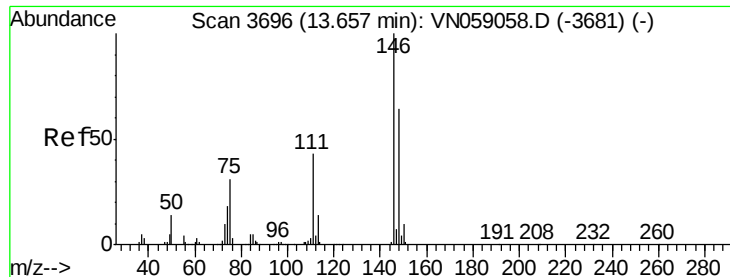
Tgt Ion: 91 Resp: 991858
Ion Ratio Lower Upper
91 100
92 51.7 26.4 79.0
134 24.6 12.5 37.5



#90
Hexachloroethane
Concen: 47.076 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion: 117 Resp: 201500
Ion Ratio Lower Upper
117 100
201 80.9 40.7 122.1

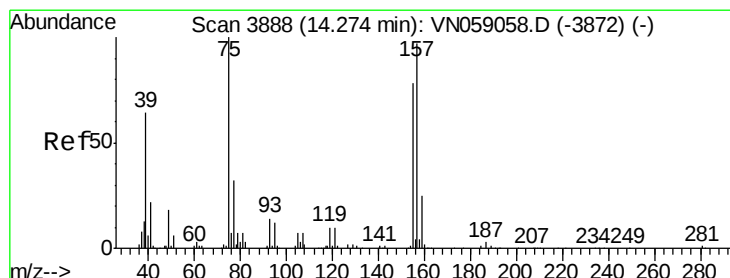
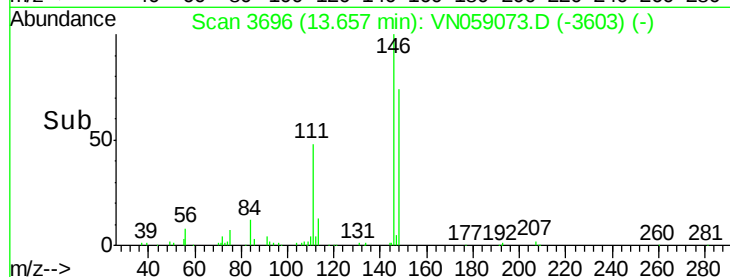
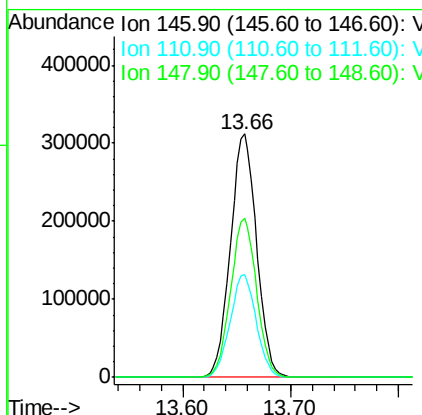
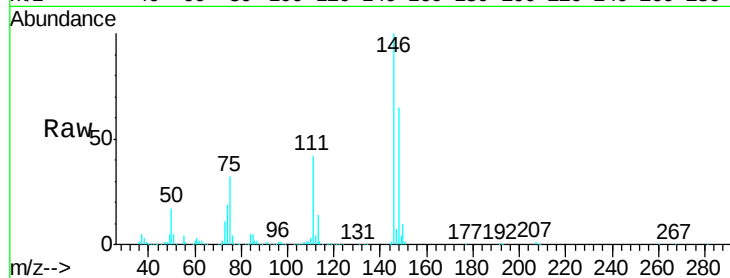




#91
 1,2-Dichlorobenzene
 Concen: 47.379 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

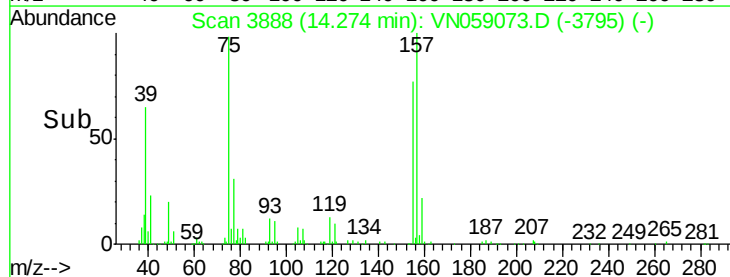
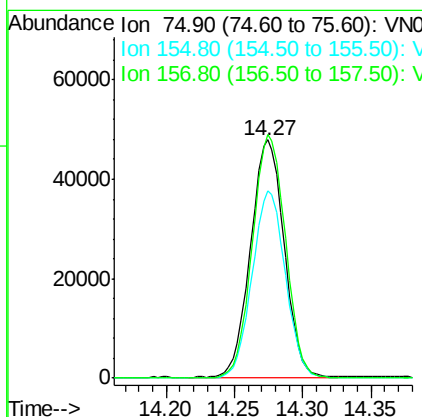
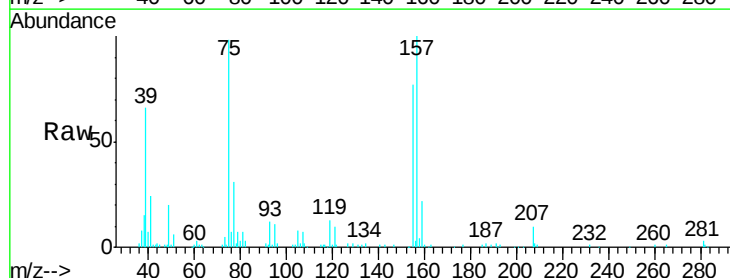
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

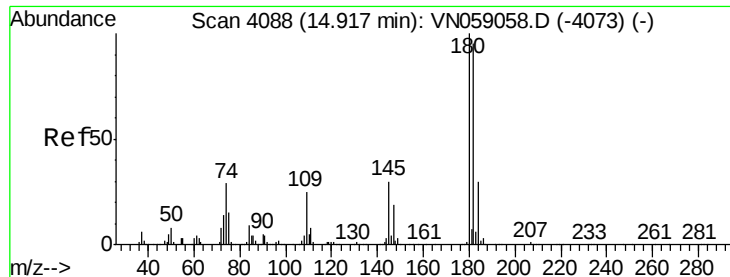
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.2	63.6
148	64.8	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.575 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	39.7	119.1
157	99.7	51.0	153.0

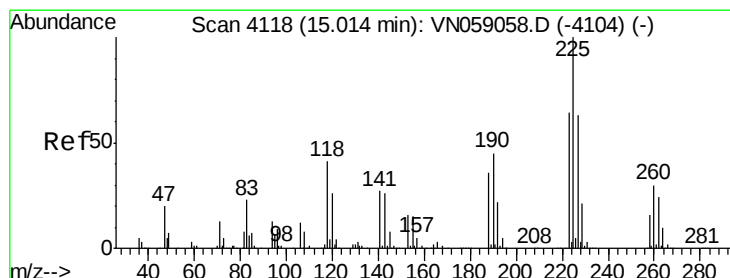
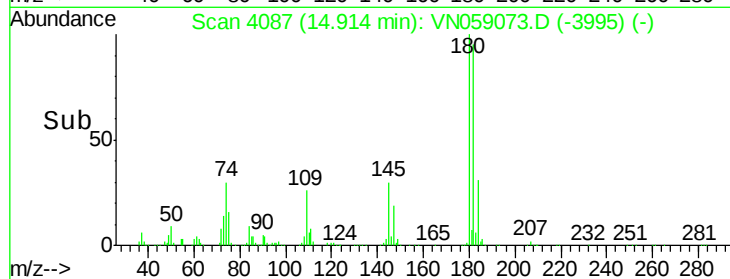
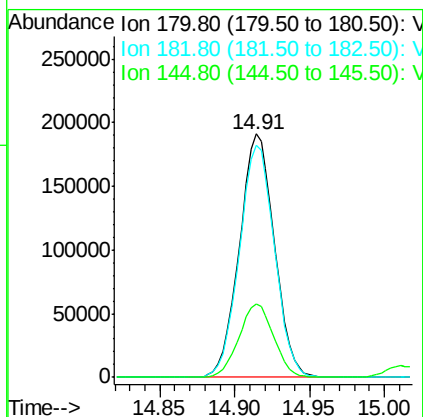
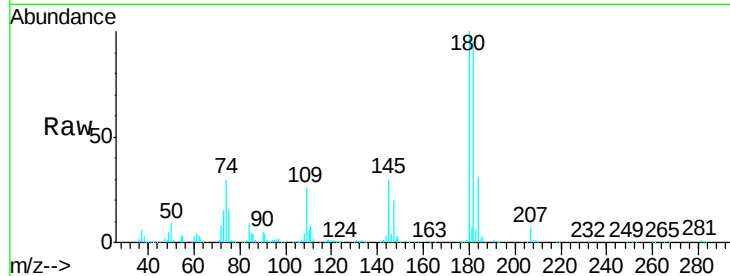




#93
 1,2,4-Trichlorobenzene
 Concen: 51.594 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

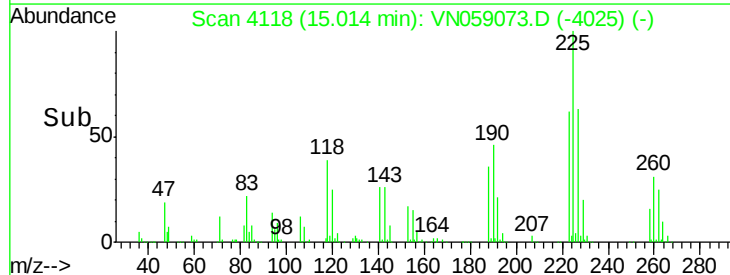
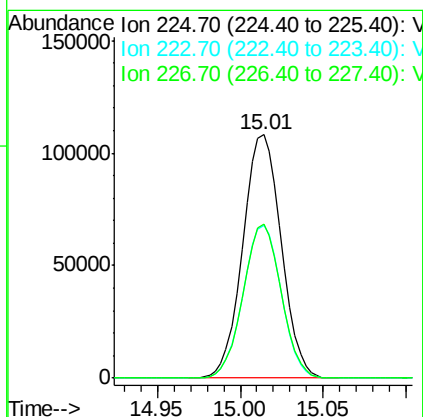
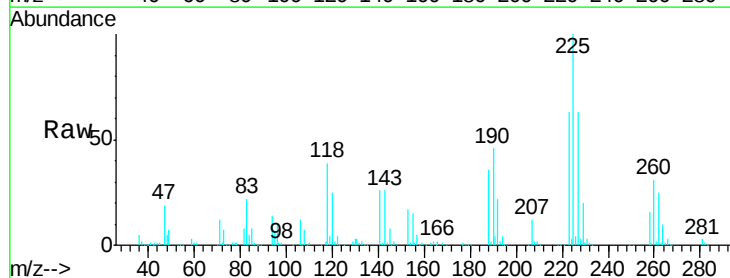
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

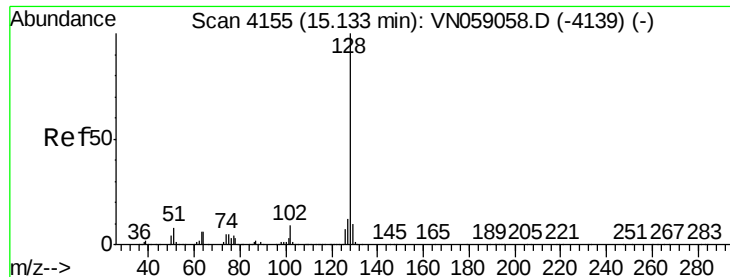
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.4
145	30.3	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 48.434 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.6	95.0
227	62.5	31.9	95.7

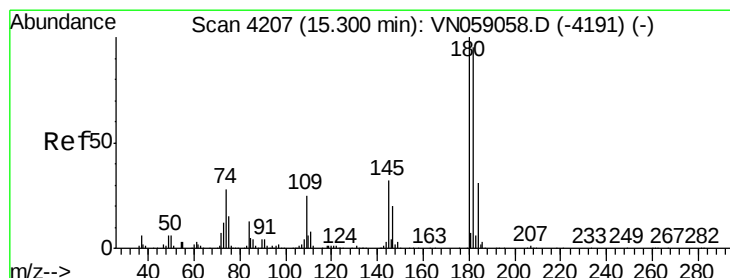
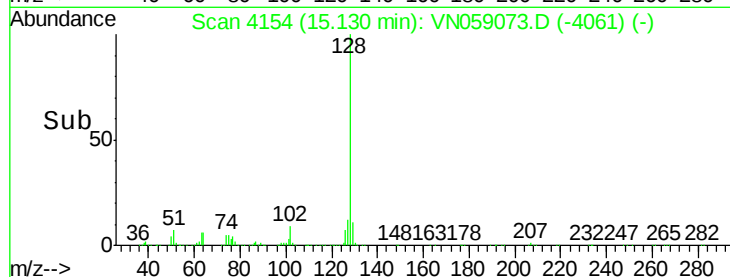
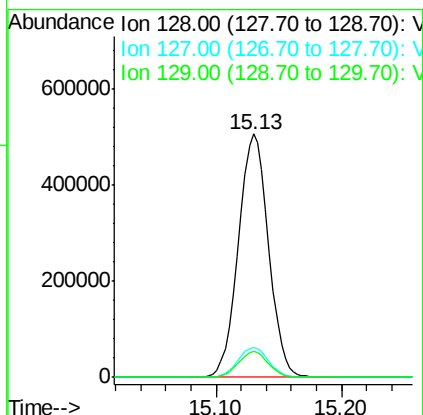
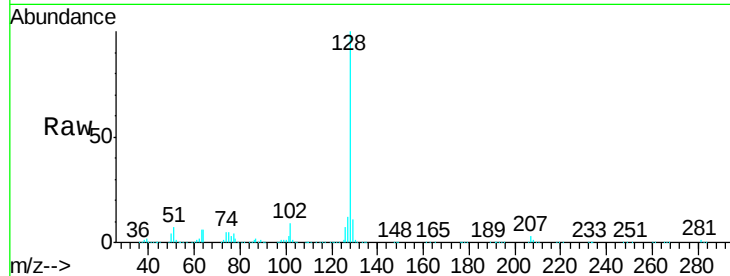




#95
Naphthalene
Concen: 45.261 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 843375
Ion Ratio Lower Upper
128 100
127 12.5 9.9 14.9
129 10.6 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 49.665 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion:180 Resp: 304195
Ion Ratio Lower Upper
180 100
182 95.2 47.7 143.1
145 31.7 16.0 48.0

