

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111819\
 Data File : VN059273.D
 Acq On : 18 Nov 2019 10:47
 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 18 14:23:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	356631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	548590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	495771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	243661	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	199132	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	
35) Dibromofluoromethane	7.57	113	162292	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.08	98	617482	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.40	95	231852	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	158145	44.012	ug/l	100
3) Chloromethane	2.04	50	208465	42.680	ug/l	99
4) Vinyl Chloride	2.17	62	209000	44.135	ug/l	100
5) Bromomethane	2.54	94	127748	46.878	ug/l	100
6) Chloroethane	2.68	64	129147	46.103	ug/l	100
7) Trichlorofluoromethane	3.00	101	273072	48.210	ug/l	100
8) Diethyl Ether	3.38	74	119487	51.917	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	174527	51.104	ug/l	99
10) Methyl Iodide	3.93	142	215126	50.890	ug/l	99
11) Tert butyl alcohol	4.74	59	209806	251.121	ug/l #	86
12) 1,1-Dichloroethene	3.71	96	163780	49.230	ug/l	99
13) Acrolein	3.58	56	93276	216.540	ug/l	99
14) Allyl chloride	4.29	41	334014	48.877	ug/l	96
15) Acrylonitrile	4.95	53	552769	265.854	ug/l	100
16) Acetone	3.79	43	634448	278.301	ug/l	98
17) Carbon Disulfide	4.02	76	423279	40.987	ug/l	98
18) Methyl Acetate	4.29	43	291370	53.846	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	614353	53.638	ug/l	100
20) Methylene Chloride	4.52	84	201930	50.843	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	175443	49.130	ug/l	96
22) Diisopropyl ether	5.92	45	681951	52.832	ug/l	98
23) Vinyl Acetate	5.86	43	2751659	275.061	ug/l	100
24) 1,1-Dichloroethane	5.82	63	365131	50.647	ug/l	98
25) 2-Butanone	6.81	43	804608	267.798	ug/l	99
26) 2,2-Dichloropropane	6.80	77	312550	49.580	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	215130	51.927	ug/l	98
28) Bromochloromethane	7.17	49	103454	47.697	ug/l	98
29) Tetrahydrofuran	7.18	42	486066	254.607	ug/l	98
30) Chloroform	7.35	83	360306	52.099	ug/l	99
31) Cyclohexane	7.63	56	306185	44.862	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	295577	50.835	ug/l	99
36) 1,1-Dichloropropene	7.77	75	260124	50.729	ug/l	99
37) Ethyl Acetate	6.90	43	298535	52.334	ug/l	99
38) Carbon Tetrachloride	7.75	117	262609	51.455	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111819\
 Data File : VN059273.D
 Acq On : 18 Nov 2019 10:47
 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 18 14:23:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	302889	50.896	ug/l	99
40) Benzene	8.02	78	805315	52.153	ug/l	100
41) Methacrylonitrile	7.18	41	419127	168.966	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	271644	51.293	ug/l	100
43) Isopropyl Acetate	8.14	43	473138	52.026	ug/l	99
44) Trichloroethene	8.82	130	200100	52.717	ug/l	97
45) 1,2-Dichloropropane	9.10	63	224779	53.594	ug/l	99
46) Dibromomethane	9.19	93	134697	51.537	ug/l	97
47) Bromodichloromethane	9.39	83	286960	54.985	ug/l	100
48) Methyl methacrylate	9.18	41	216202	53.149	ug/l	98
49) 1,4-Dioxane	9.18	88	82202	1137.087	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1478168	287.258	ug/l	99
52) Toluene	10.14	92	493262	53.296	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	326391	54.132	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	354331	54.632	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	199312	53.212	ug/l	98
56) Ethyl methacrylate	10.42	69	312665	50.046	ug/l	97
57) 1,3-Dichloropropane	10.70	76	351131	54.468	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	505162	242.338	ug/l	99
59) 2-Hexanone	10.74	43	1126928	285.325	ug/l	98
60) Dibromochloromethane	10.90	129	223715	56.491	ug/l	99
61) 1,2-Dibromoethane	11.00	107	204112	53.831	ug/l	99
64) Tetrachloroethene	10.62	164	174107	51.646	ug/l	99
65) Chlorobenzene	11.43	112	532604	55.109	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	202495	55.855	ug/l	99
67) Ethyl Benzene	11.51	91	963598	56.196	ug/l	99
68) m/p-Xylenes	11.62	106	714854	111.295	ug/l	100
69) o-Xylene	11.95	106	345104	55.597	ug/l	98
70) Styrene	11.96	104	571424	58.533	ug/l	99
71) Bromoform	12.12	173	161936	57.425	ug/l #	100
73) Isopropylbenzene	12.25	105	932270	52.599	ug/l	99
74) N-amyl acetate	12.07	43	392803	52.302	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	315817	52.324	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	417317	75.228	ug/l #	100
77) Bromobenzene	12.53	156	230244	51.705	ug/l	98
78) n-propylbenzene	12.59	91	1099497	54.179	ug/l	100
79) 2-Chlorotoluene	12.67	91	652394	51.821	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	804178	53.546	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	110347	52.540	ug/l	97
82) 4-Chlorotoluene	12.77	91	669840	53.049	ug/l	100
83) tert-Butylbenzene	12.99	119	692834	53.420	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	803079	55.269	ug/l	99
85) sec-Butylbenzene	13.17	105	920116	54.549	ug/l	99
86) p-Isopropyltoluene	13.29	119	840558	56.438	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	416306	54.595	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	405161	53.105	ug/l	99
89) n-Butylbenzene	13.62	91	716425	54.960	ug/l	100
90) Hexachloroethane	13.88	117	154968	51.817	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	407440	54.317	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59683	49.562	ug/l	97

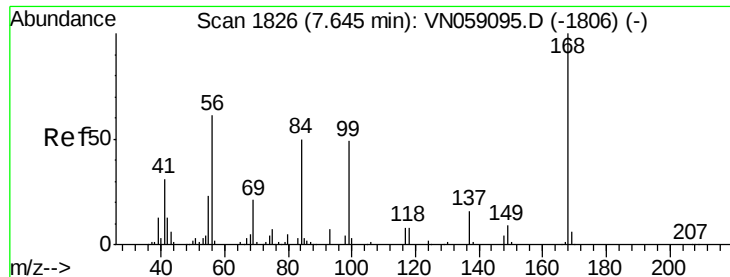
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111819\
Data File : VN059273.D
Acq On : 18 Nov 2019 10:47
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 18 14:23:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	234085	51.348	ug/l	99
94) Hexachlorobutadiene	15.01	225	143531	55.494	ug/l	99
95) Naphthalene	15.13	128	610820	48.475	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	232298	55.259	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

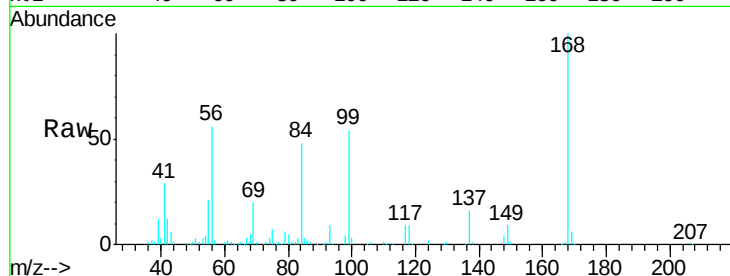
VSTDCCC050

Tgt Ion:168 Resp: 356631

Ion Ratio Lower Upper

168 100

99 54.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

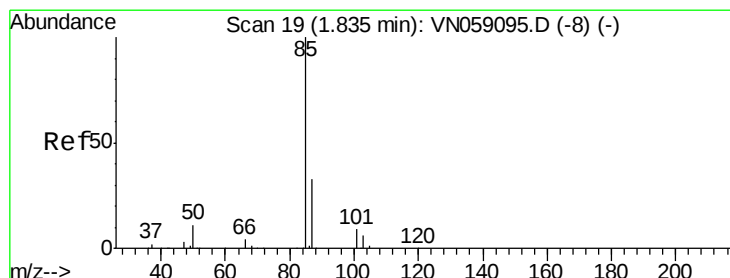
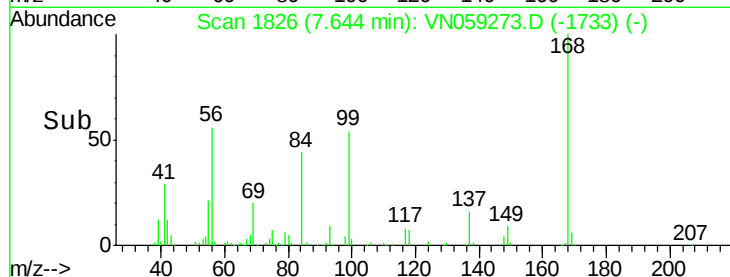
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.012 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059273.D

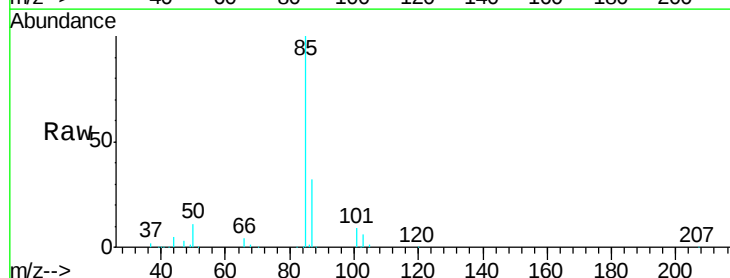
Acq: 18 Nov 2019 10:47

Tgt Ion: 85 Resp: 158145

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

60000

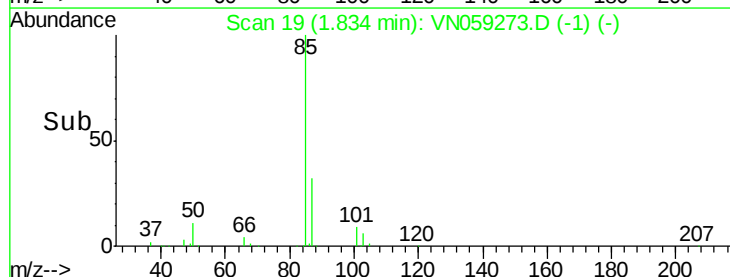
40000

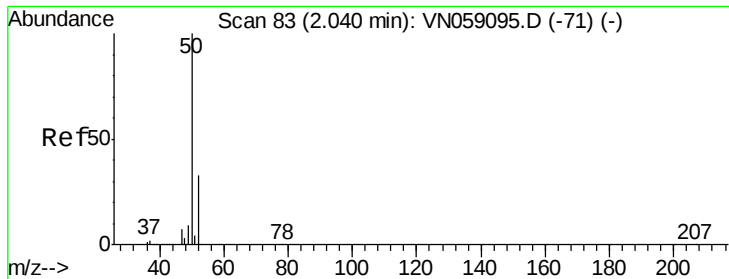
20000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 42.680 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

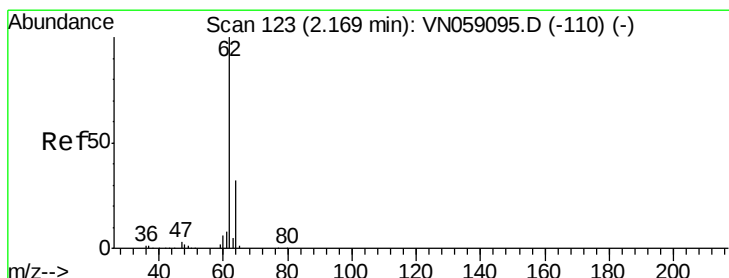
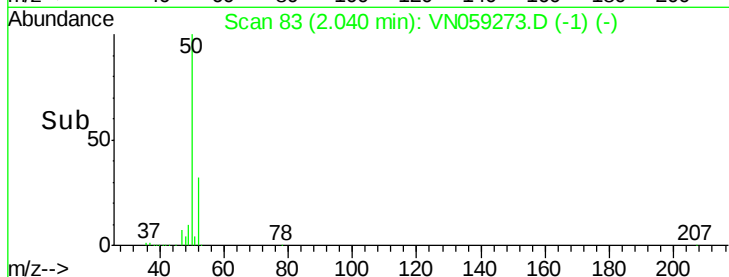
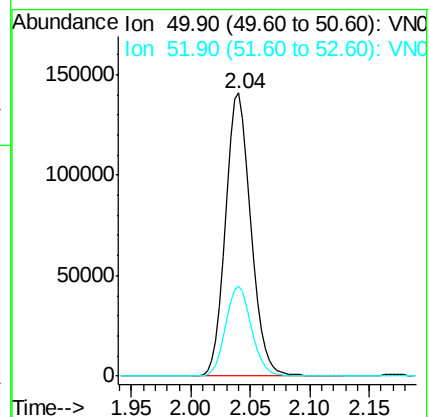
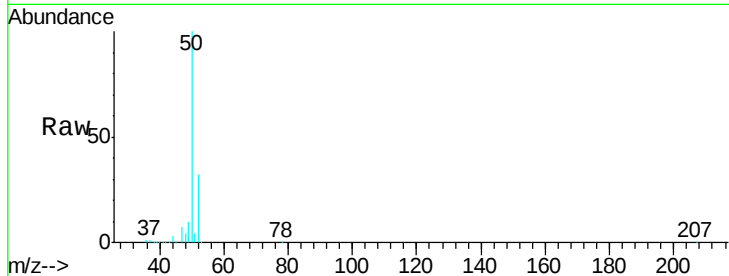
VSTDCCC050

Tgt Ion: 50 Resp: 208465

Ion Ratio Lower Upper

50 100

52 31.9 26.0 39.0



#4

Vinyl Chloride

Concen: 44.135 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059273.D

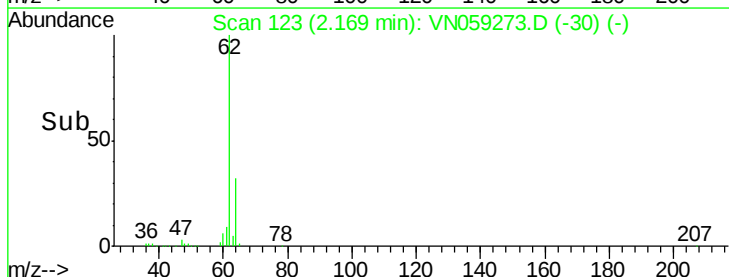
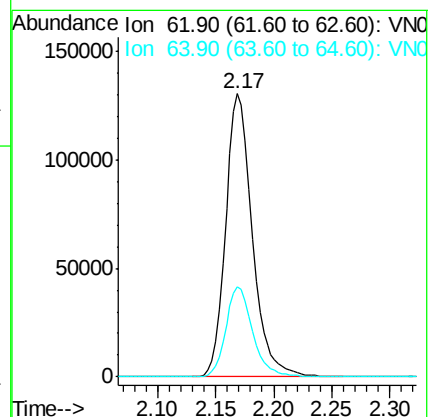
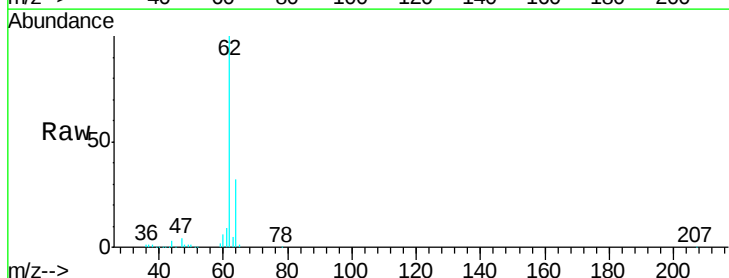
Acq: 18 Nov 2019 10:47

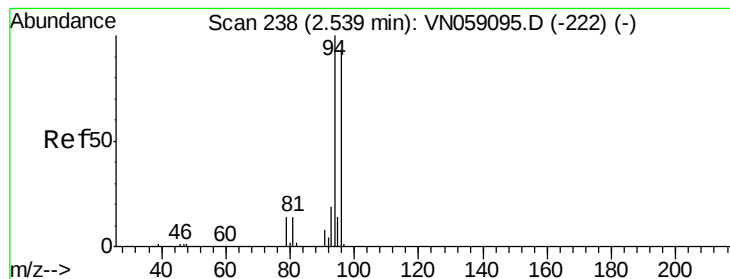
Tgt Ion: 62 Resp: 209000

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 46.878 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

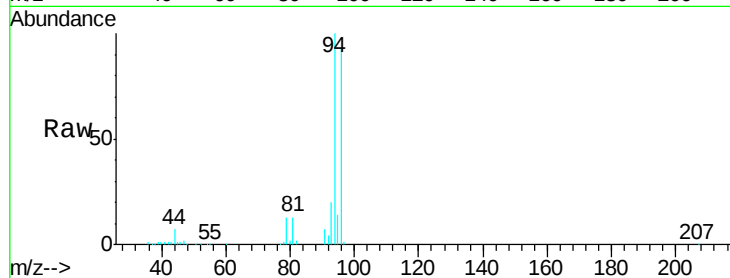
VSTDCCC050

Tgt Ion: 94 Resp: 127748

Ion Ratio Lower Upper

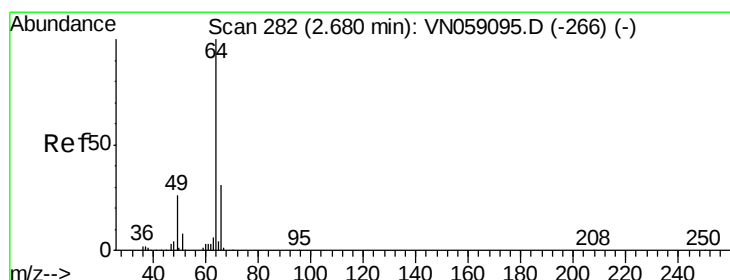
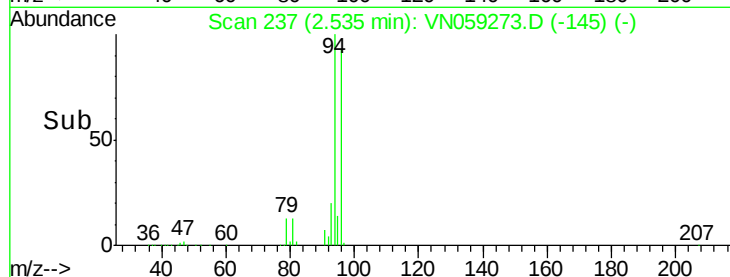
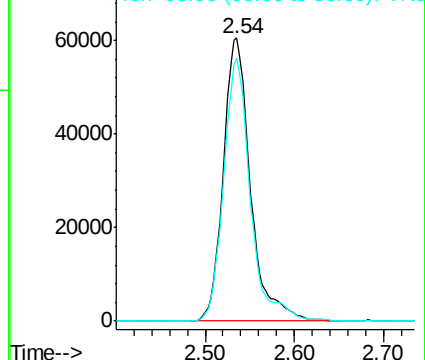
94 100

96 92.7 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.103 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059273.D

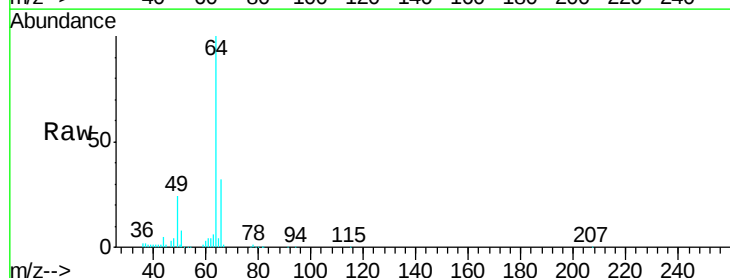
Acq: 18 Nov 2019 10:47

Tgt Ion: 64 Resp: 129147

Ion Ratio Lower Upper

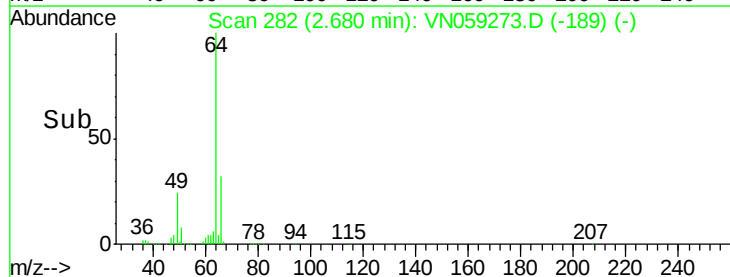
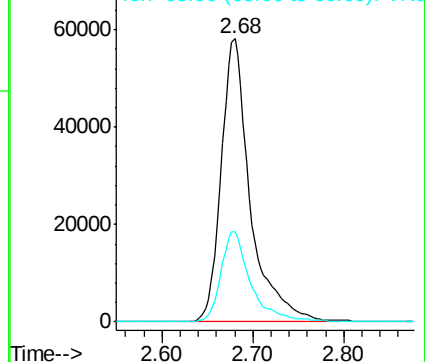
64 100

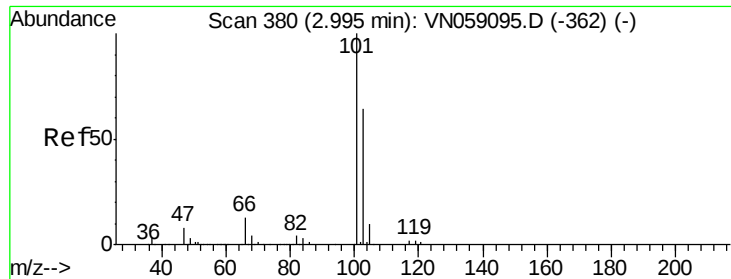
66 31.7 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



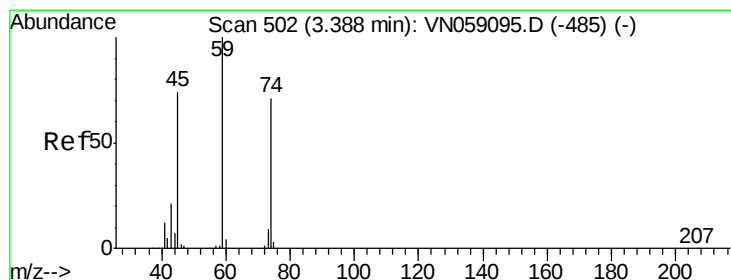
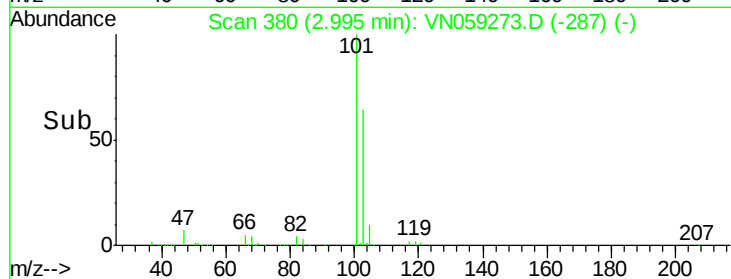
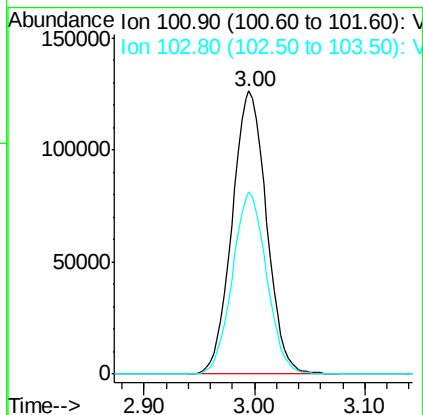
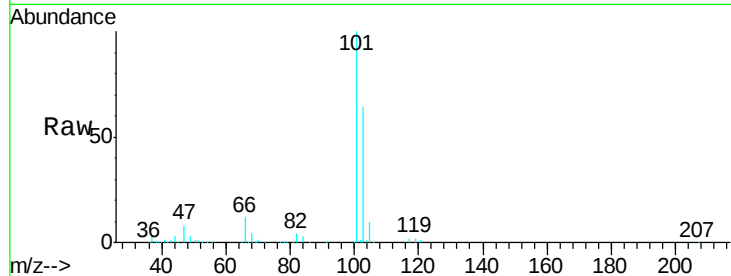


#7

Trichlorofluoromethane
 Concen: 48.210 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

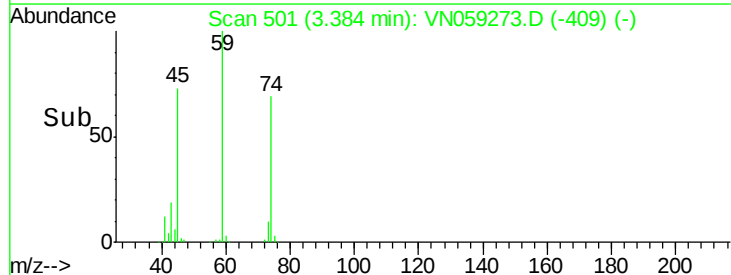
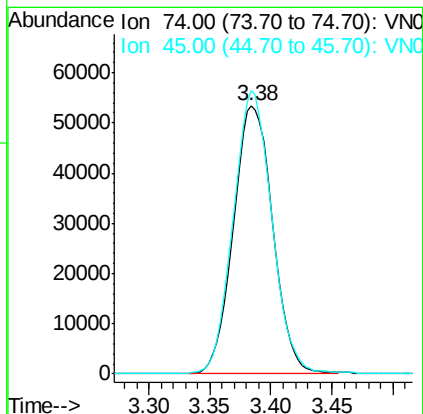
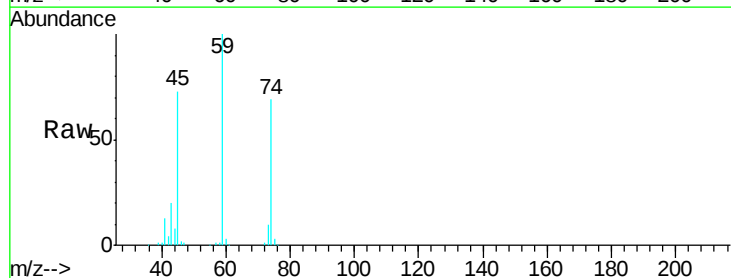
Tgt Ion:101 Resp: 273072
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.2 76.8

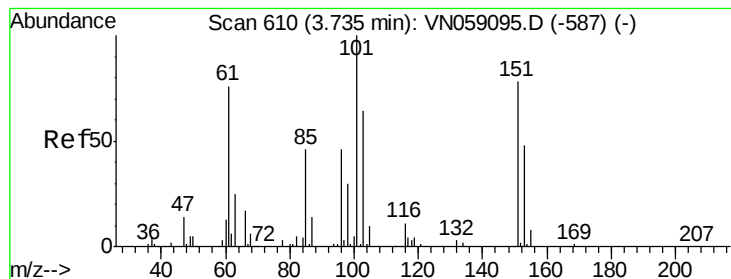


#8

Diethyl Ether
 Concen: 51.917 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Tgt Ion: 74 Resp: 119487
 Ion Ratio Lower Upper
 74 100
 45 103.9 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.104 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

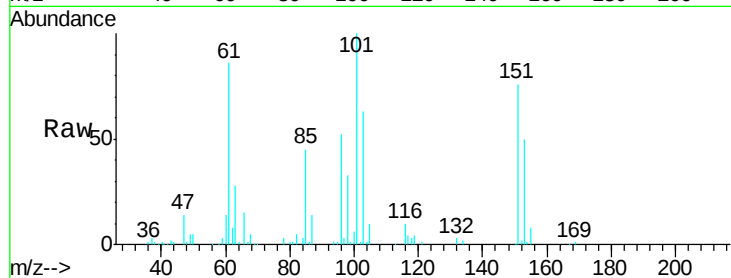
Tgt Ion:101 Resp: 174527

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

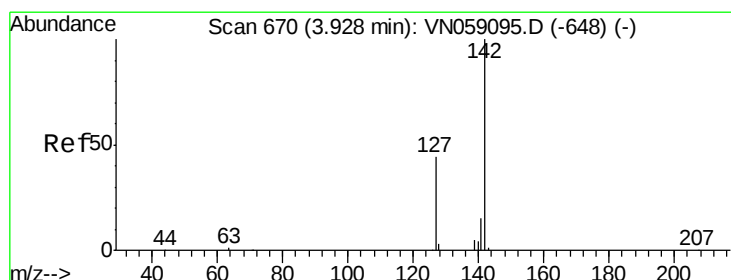
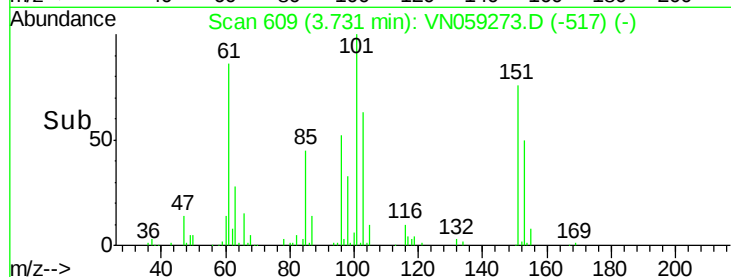
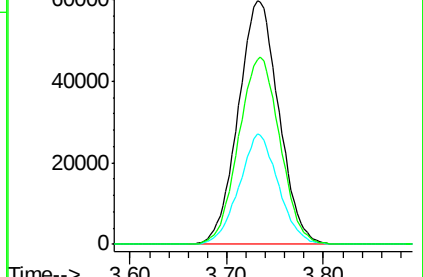
151 78.3 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.890 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

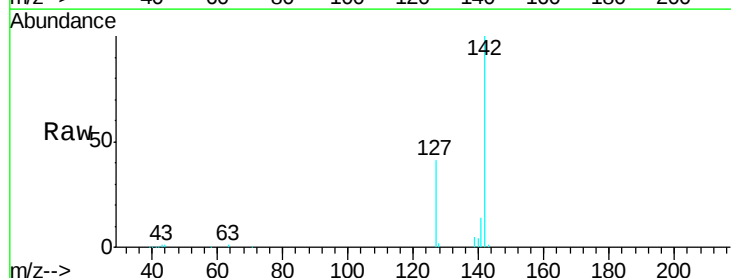
Tgt Ion:142 Resp: 215126

Ion Ratio Lower Upper

142 100

127 42.3 34.2 51.2

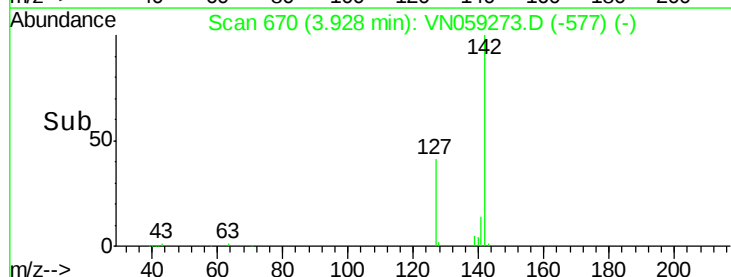
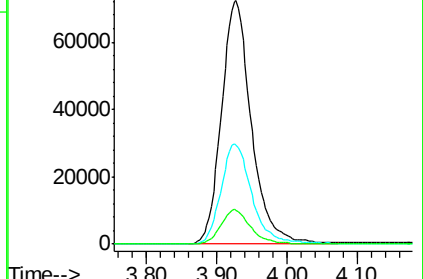
141 13.9 11.4 17.0

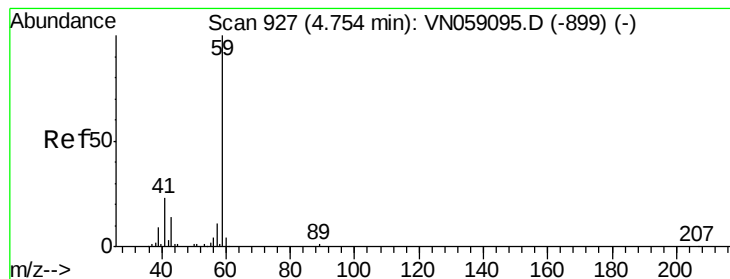


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 251.121 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.01 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

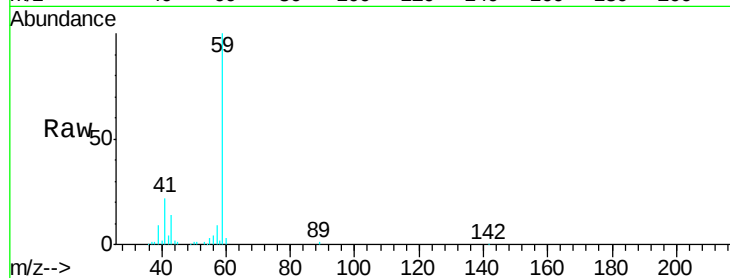
VSTDCCC050

Tgt Ion: 59 Resp: 209806

Ion Ratio Lower Upper

59 100

57 5.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN059095.D (-899) (-)

Ion 57.00 (56.70 to 57.70): VN059095.D (-899) (-)

4.74

60000

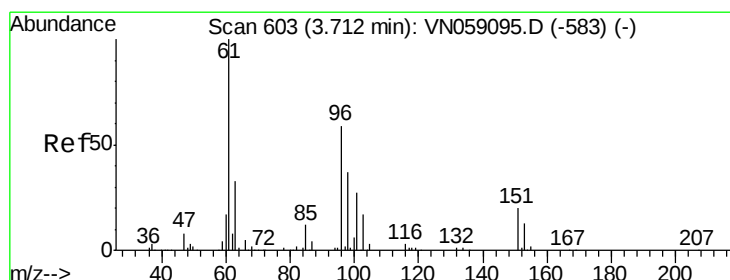
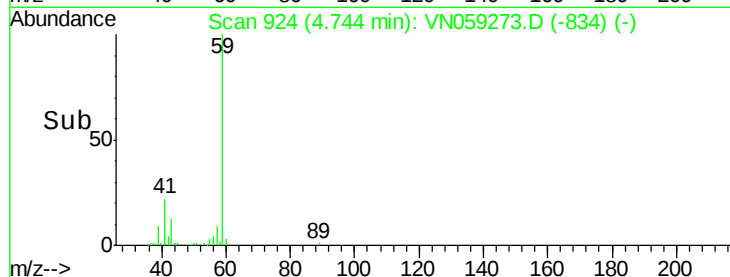
40000

20000

0

Time-->

4.60 4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 49.230 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

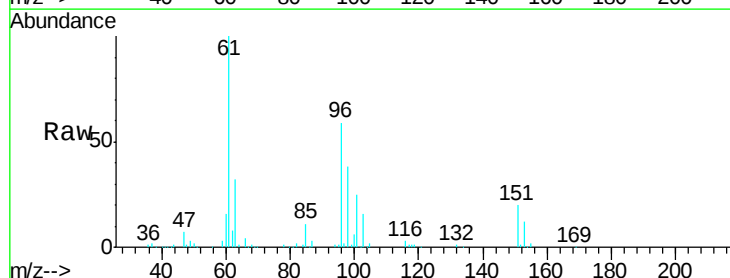
Tgt Ion: 96 Resp: 163780

Ion Ratio Lower Upper

96 100

61 170.0 136.5 204.7

98 65.1 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VN059095.D (-583) (-)

Ion 60.90 (60.60 to 61.60): VN059095.D (-583) (-)

Ion 97.90 (97.60 to 98.60): VN059095.D (-583) (-)

150000

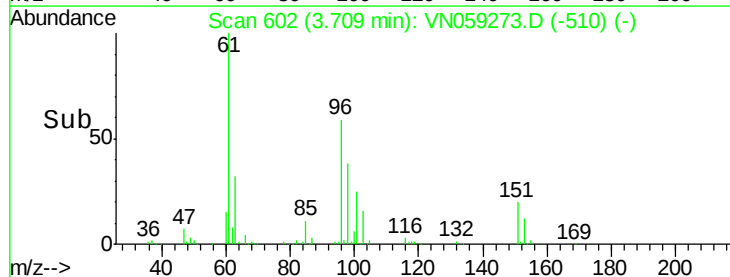
100000

50000

0

Time-->

3.60 3.70 3.80





#13

Acrolein

Concen: 216.540 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

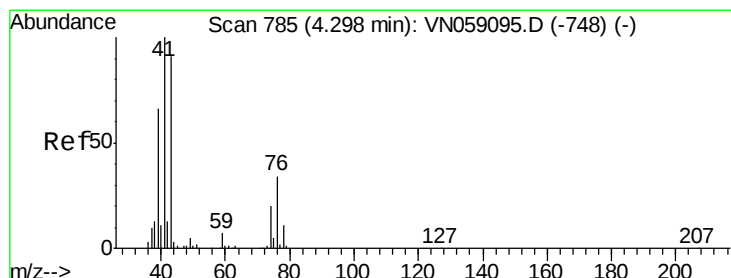
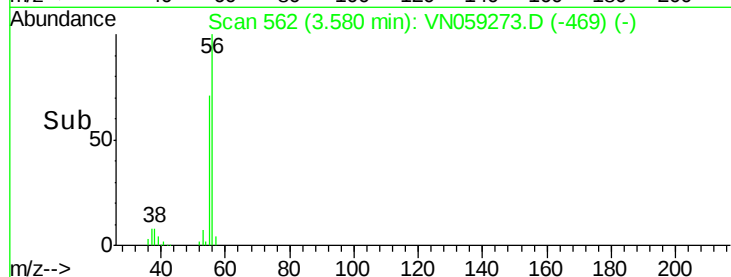
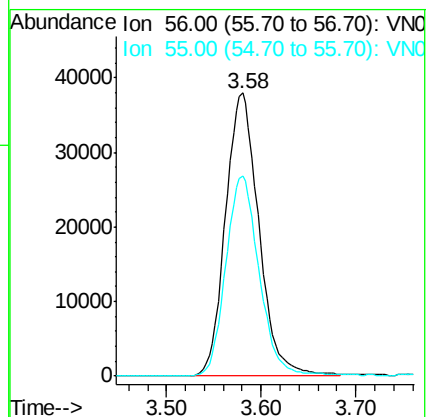
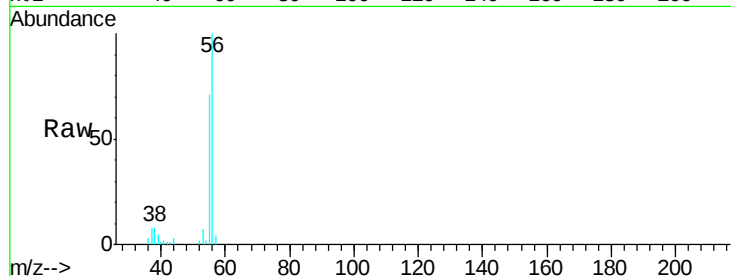
VSTDCCC050

Tgt Ion: 56 Resp: 93276

Ion Ratio Lower Upper

56 100

55 70.0 56.4 84.6



#14

Allyl chloride

Concen: 48.877 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

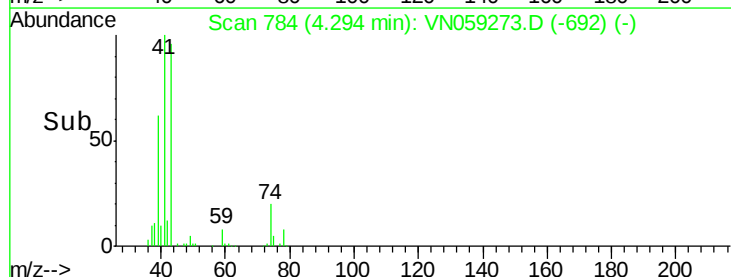
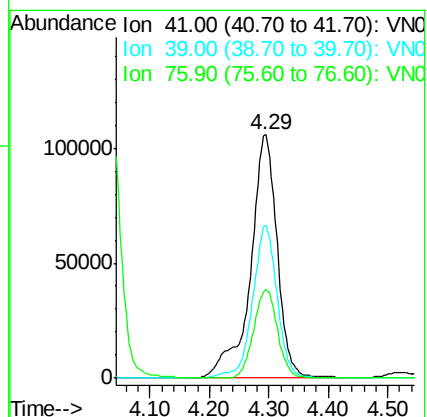
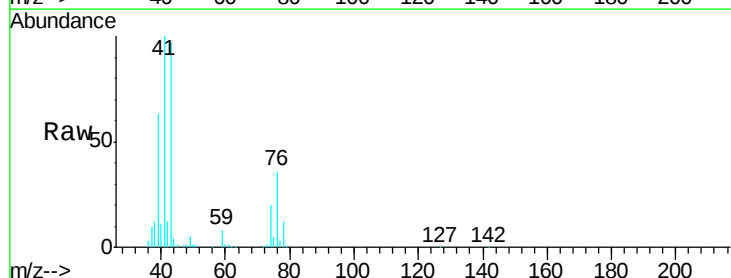
Tgt Ion: 41 Resp: 334014

Ion Ratio Lower Upper

41 100

39 57.3 49.1 73.7

76 32.3 24.9 37.3





#15

Acrylonitrile

Concen: 265.854 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

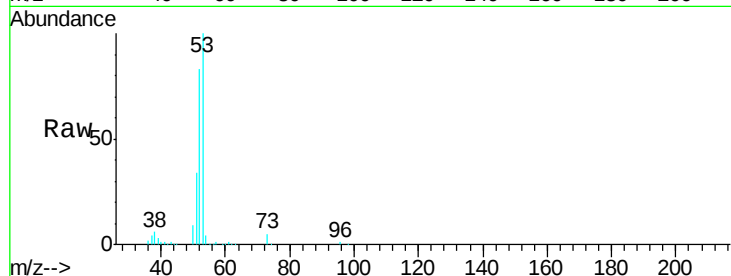
Tgt Ion: 53 Resp: 552769

Ion Ratio Lower Upper

53 100

52 81.5 65.0 97.6

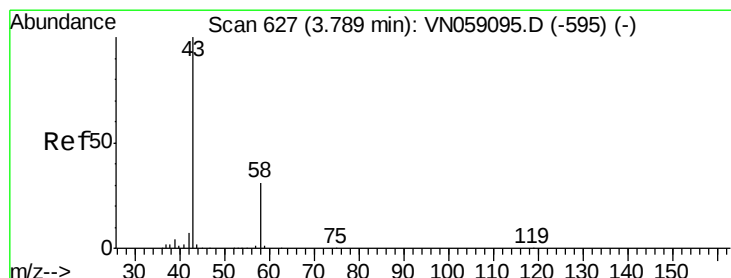
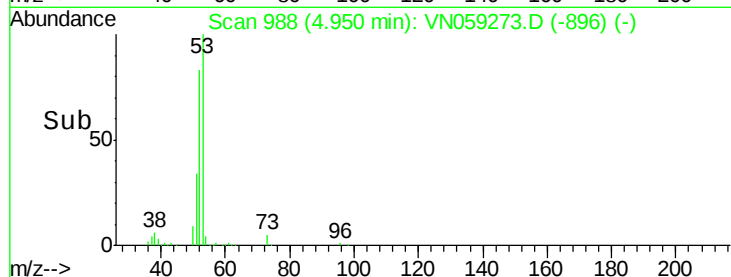
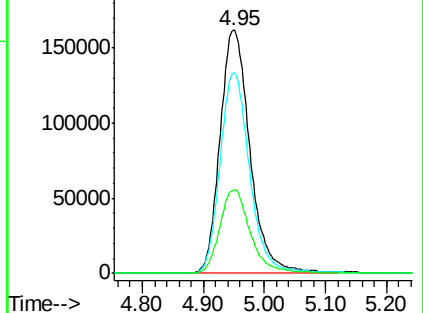
51 35.0 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 278.301 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059273.D

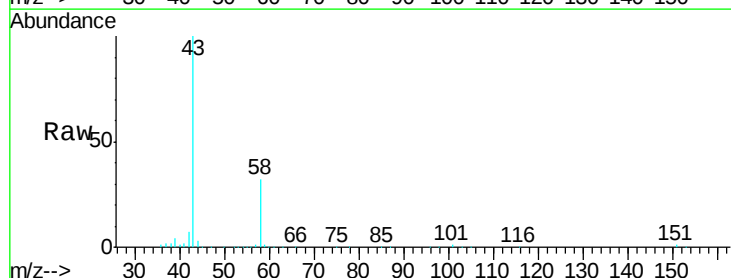
Acq: 18 Nov 2019 10:47

Tgt Ion: 43 Resp: 634448

Ion Ratio Lower Upper

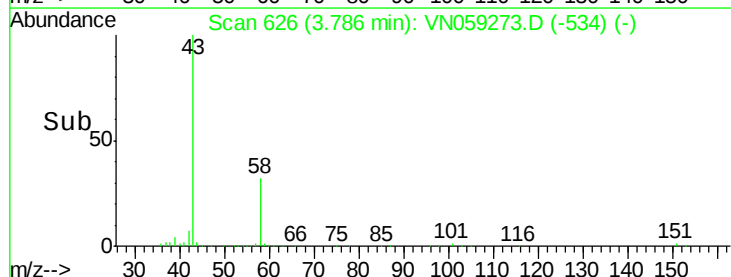
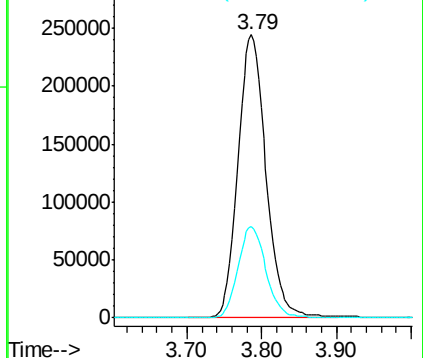
43 100

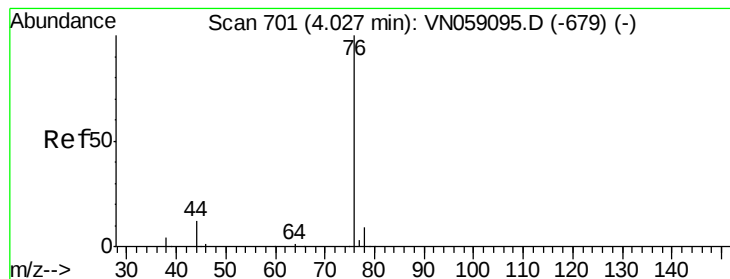
58 32.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 40.987 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

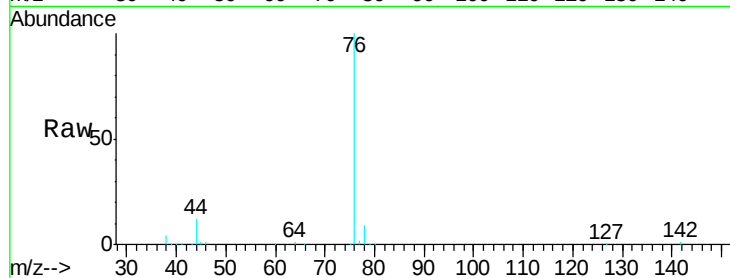
VSTDCCC050

Tgt Ion: 76 Resp: 423279

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN059273.D (-608) (-)

Ion 77.90 (77.60 to 78.60): VN059273.D (-608) (-)

4.02

150000

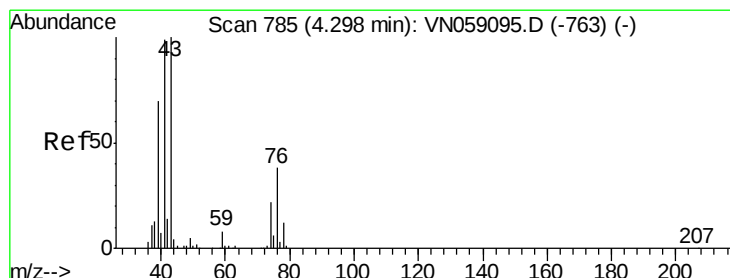
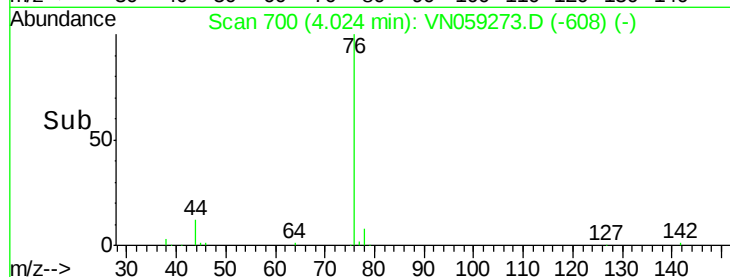
100000

50000

0

3.90 4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 53.846 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059273.D

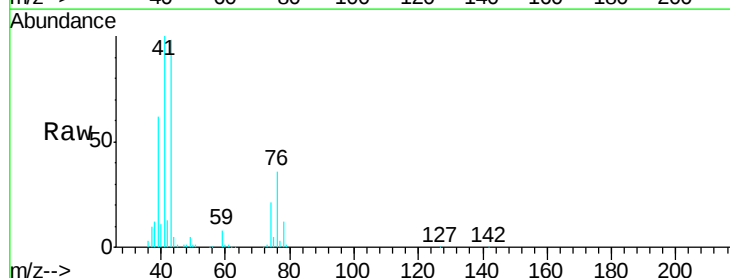
Acq: 18 Nov 2019 10:47

Tgt Ion: 43 Resp: 291370

Ion Ratio Lower Upper

43 100

74 22.1 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN059273.D (-692) (-)

Ion 74.00 (73.70 to 74.70): VN059273.D (-692) (-)

4.29

120000

100000

80000

60000

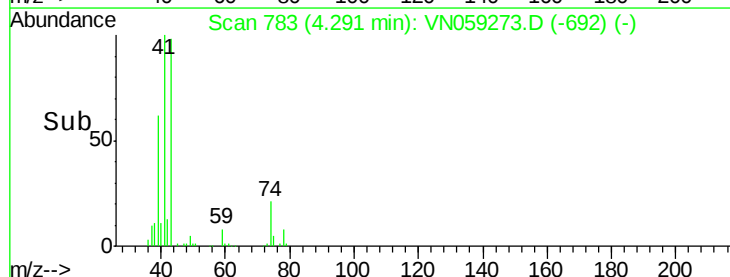
40000

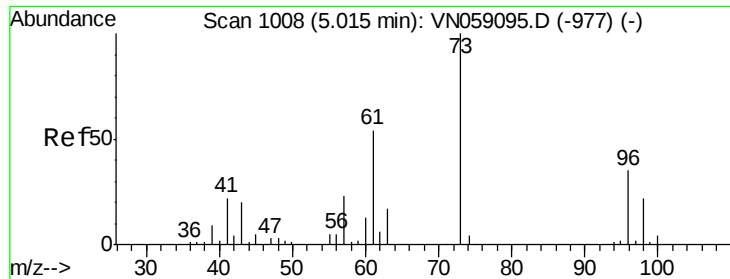
20000

0

4.20 4.30 4.40 4.50

Time-->

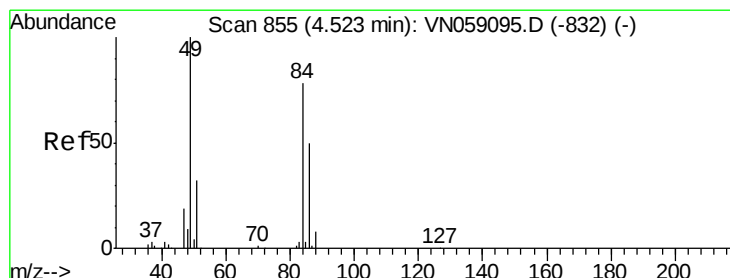
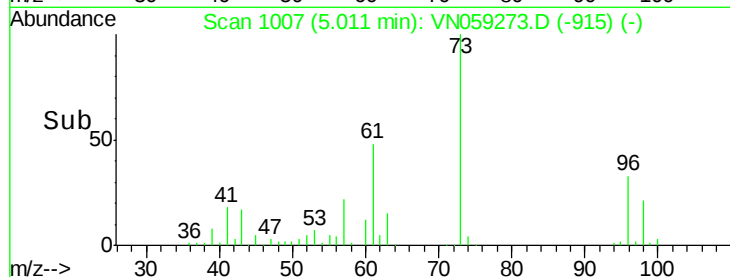
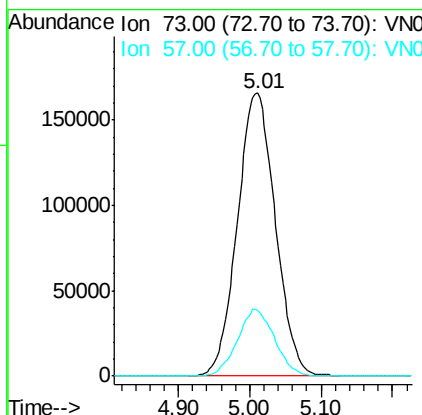
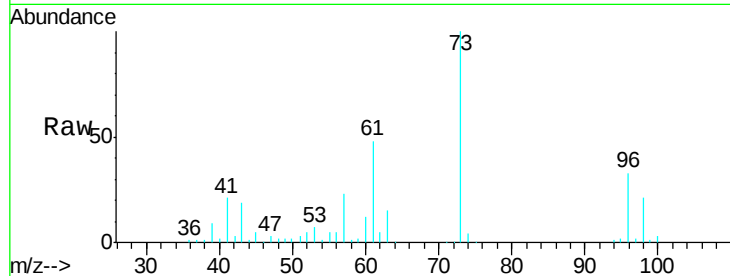




#19
Methyl tert-butyl Ether
Concen: 53.638 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

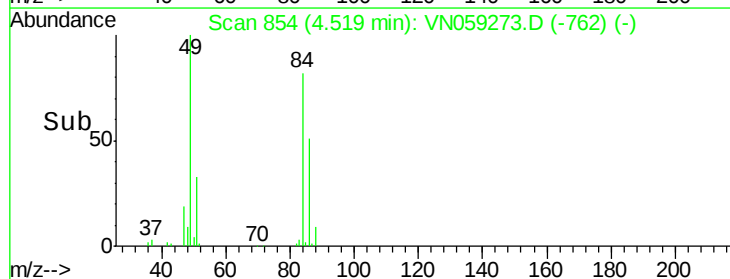
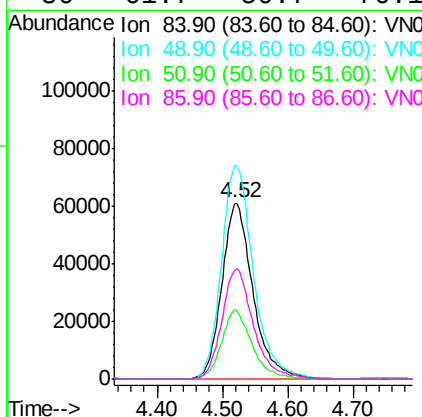
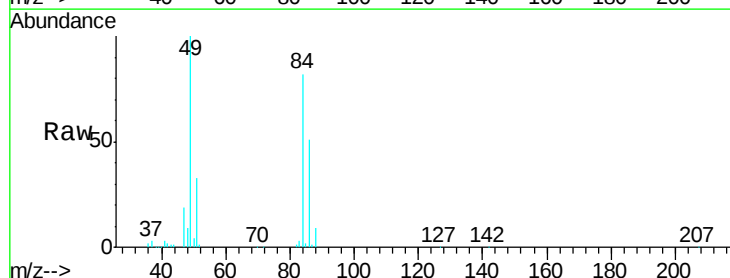
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

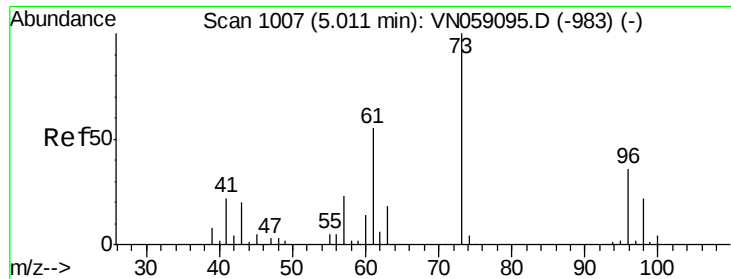
Tgt Ion: 73 Resp: 614353
Ion Ratio Lower Upper
73 100
57 23.2 18.4 27.6



#20
Methylene Chloride
Concen: 50.843 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion: 84 Resp: 201930
Ion Ratio Lower Upper
84 100
49 121.6 102.0 153.0
51 39.5 32.2 48.2
86 61.7 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 49.130 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

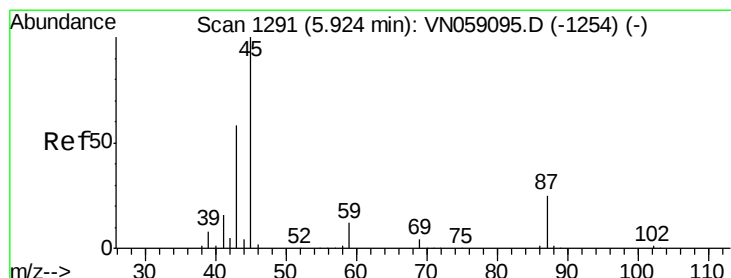
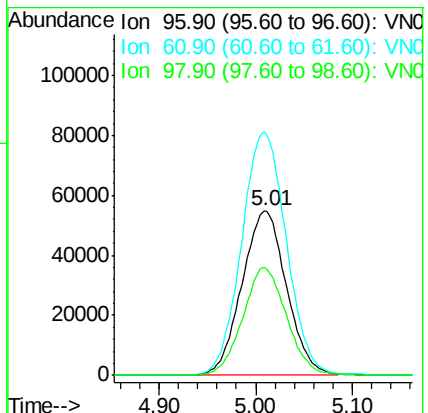
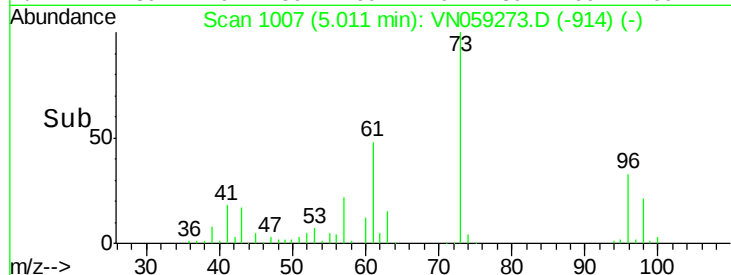
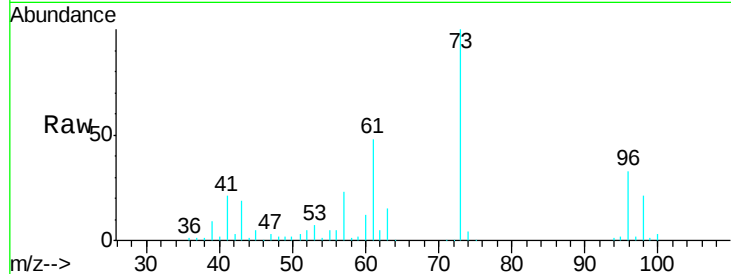
Tgt Ion: 96 Resp: 175443

Ion Ratio Lower Upper

96 100

61 146.6 122.6 183.8

98 64.6 50.3 75.5



#22

Diisopropyl ether

Concen: 52.832 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Tgt Ion: 45 Resp: 681951

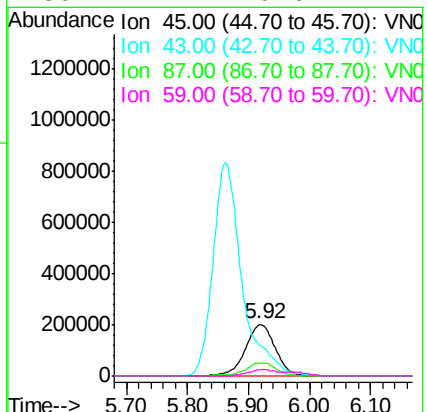
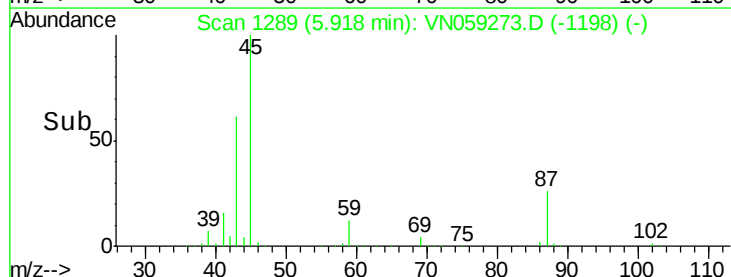
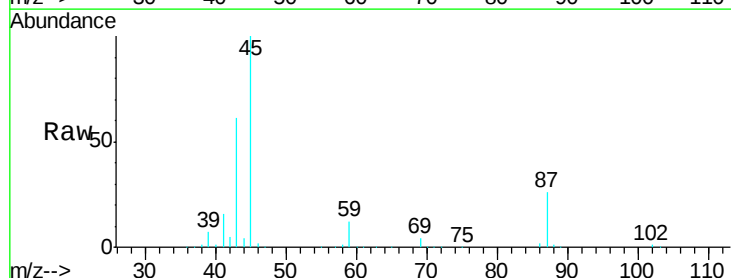
Ion Ratio Lower Upper

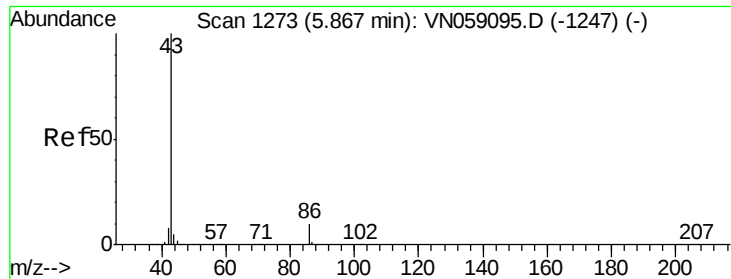
45 100

43 60.2 46.7 70.1

87 26.0 20.5 30.7

59 11.4 9.6 14.4

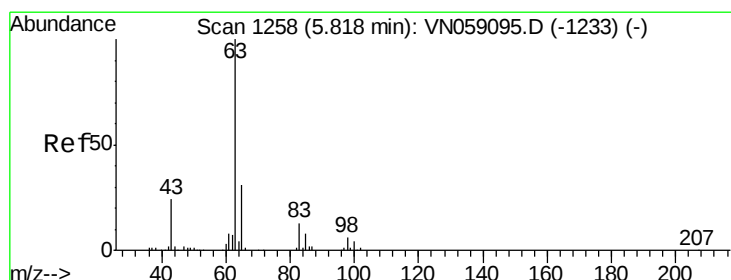
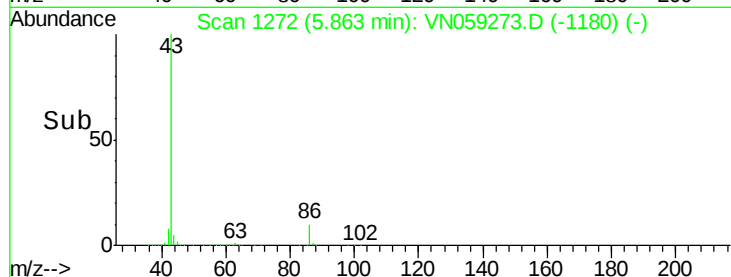
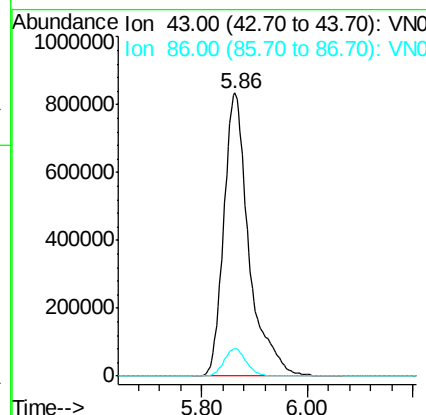
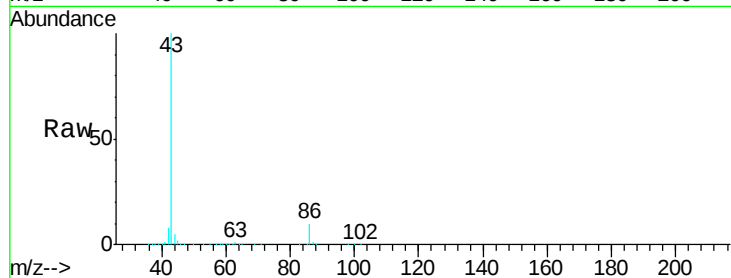




#23
 Vinyl Acetate
 Concen: 275.061 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

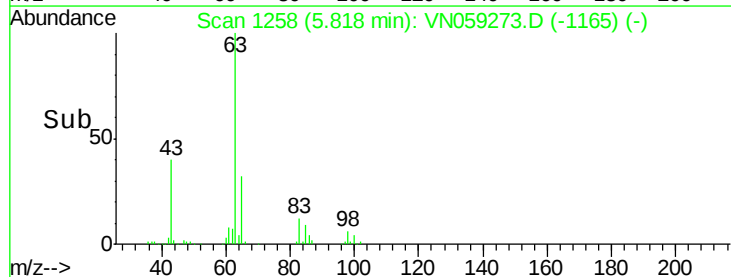
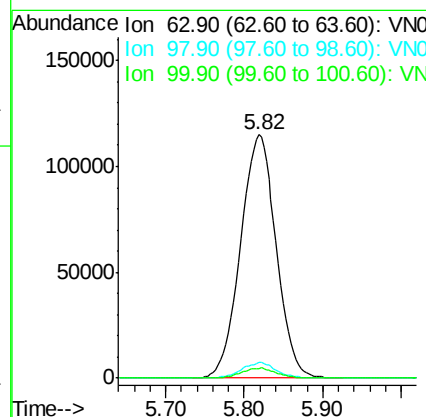
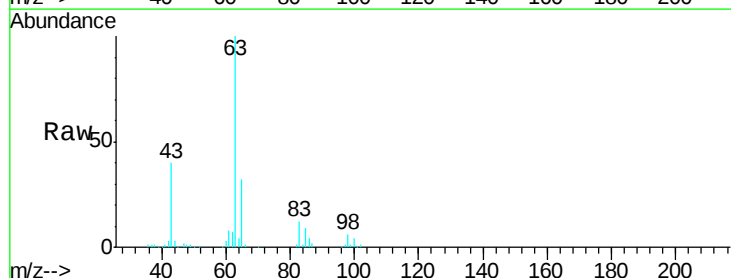
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 2751659
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 50.647 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Tgt Ion: 63 Resp: 365131
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.8 8.4
 100 4.1 1.9 5.7





#25

2-Butanone

Concen: 267.798 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

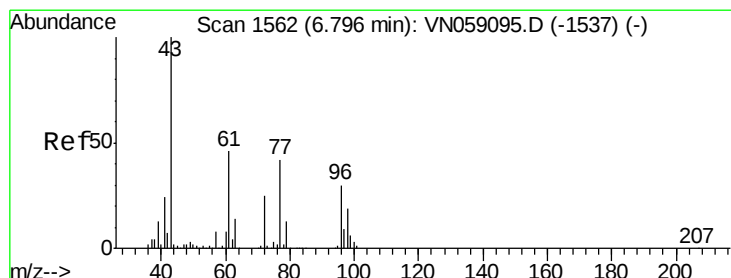
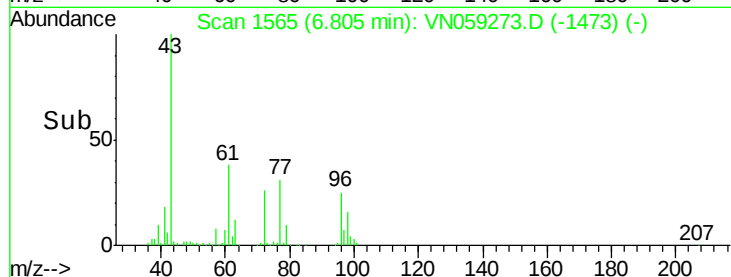
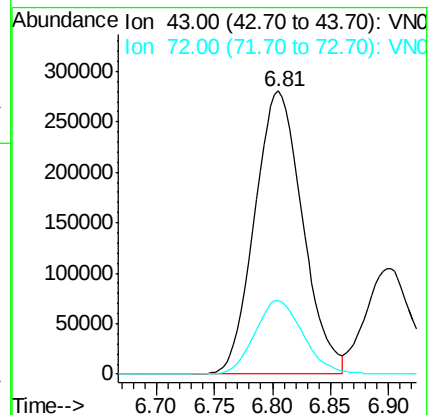
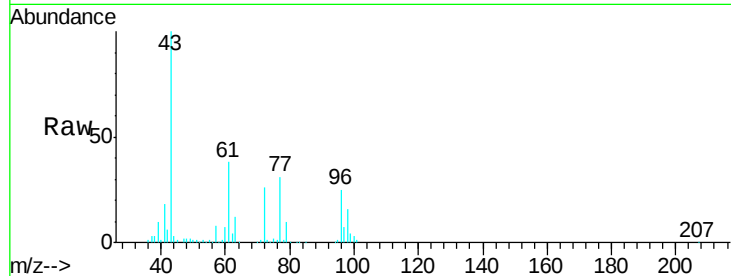
VSTDCCC050

Tgt Ion: 43 Resp: 804608

Ion Ratio Lower Upper

43 100

72 26.1 20.3 30.5



#26

2,2-Dichloropropane

Concen: 49.580 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059273.D

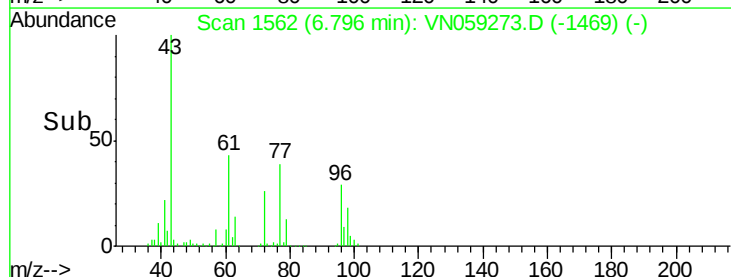
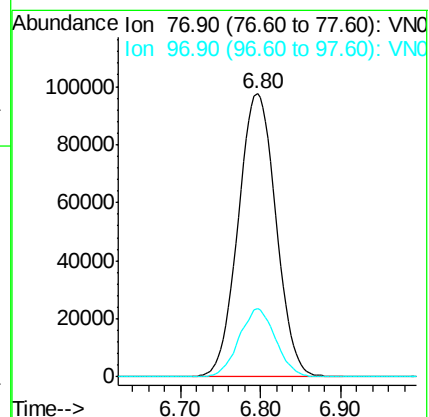
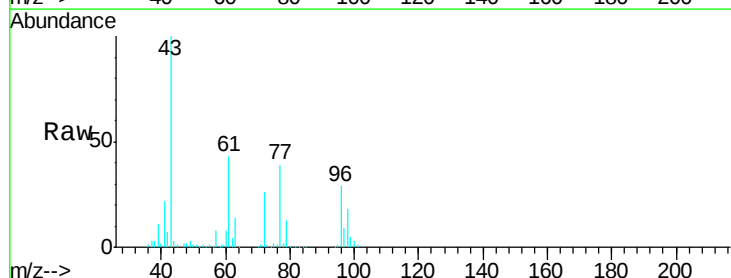
Acq: 18 Nov 2019 10:47

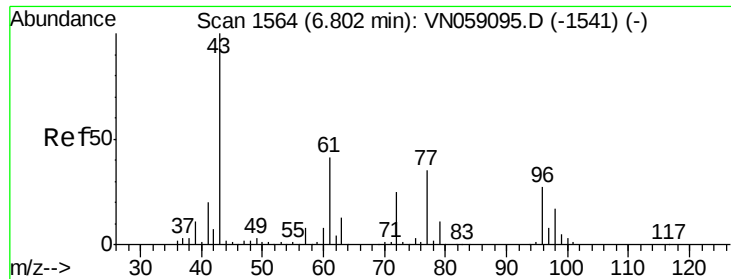
Tgt Ion: 77 Resp: 312550

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 51.927 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

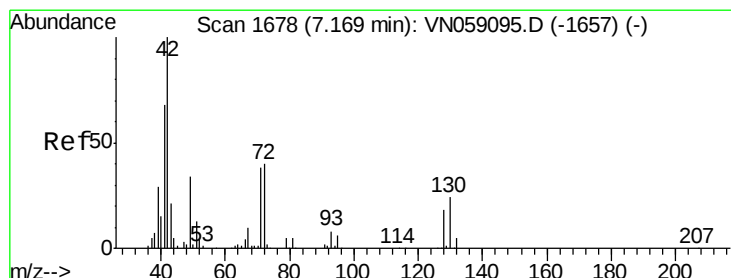
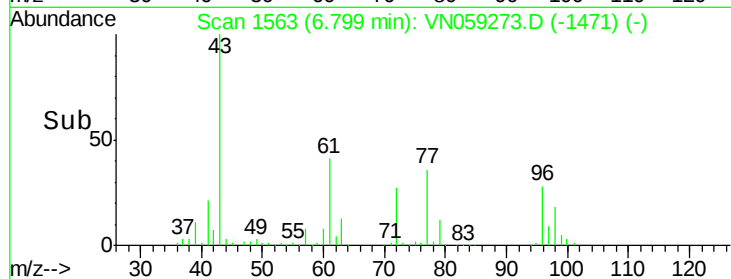
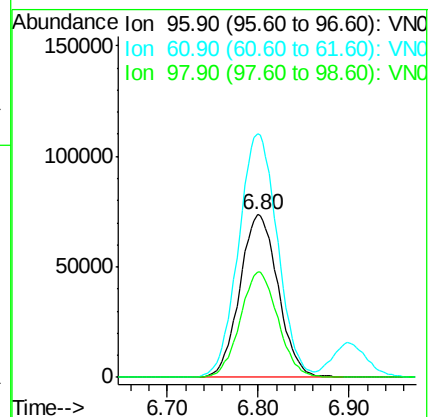
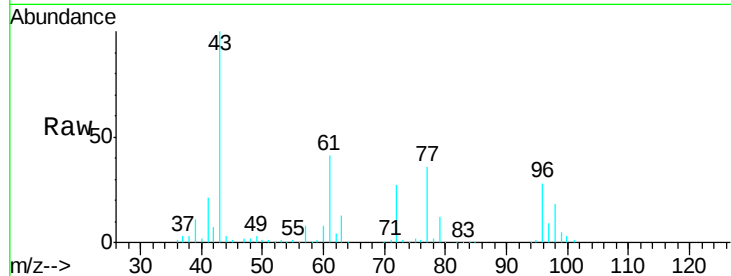
Tgt Ion: 96 Resp: 215130

Ion Ratio Lower Upper

96 100

61 152.4 0.0 311.6

98 64.0 0.0 129.8



#28

Bromochloromethane

Concen: 47.697 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

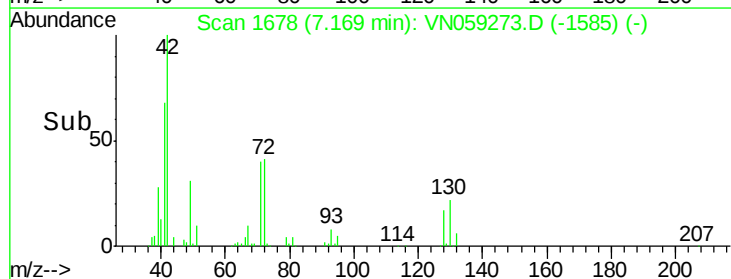
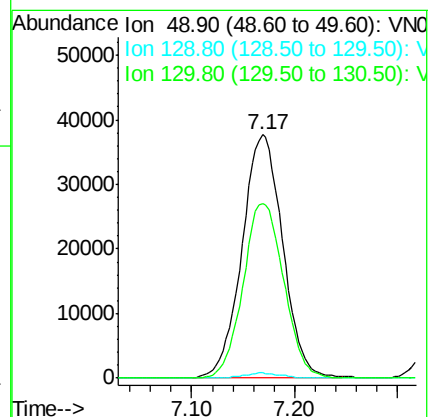
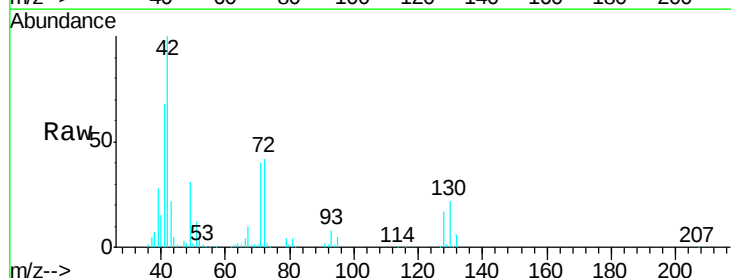
Tgt Ion: 49 Resp: 103454

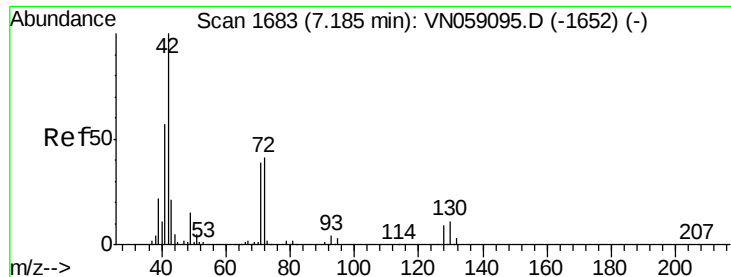
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

130 71.6 55.6 83.4





#29

Tetrahydrofuran

Concen: 254.607 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

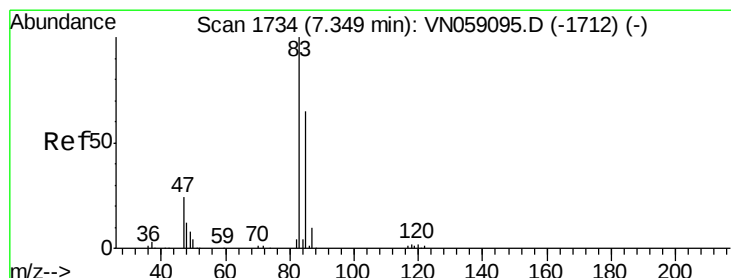
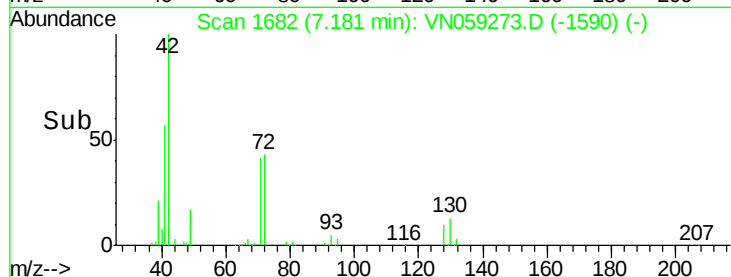
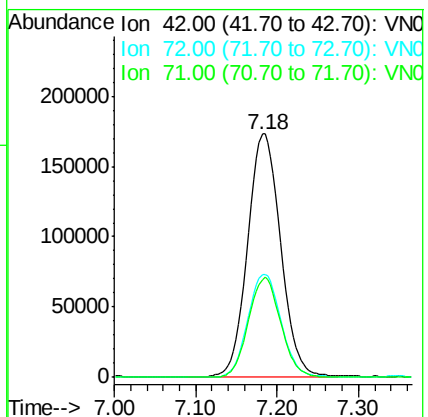
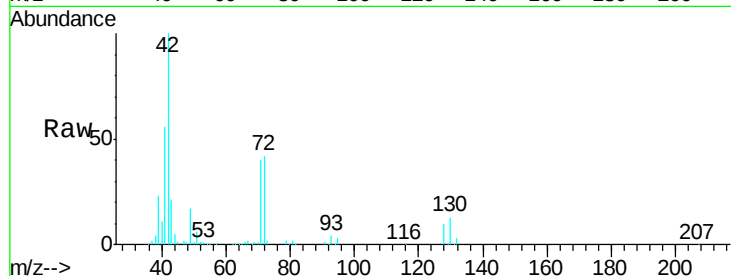
Tgt Ion: 42 Resp: 486066

Ion Ratio Lower Upper

42 100

72 42.5 33.1 49.7

71 40.0 30.9 46.3



#30

Chloroform

Concen: 52.099 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN059273.D

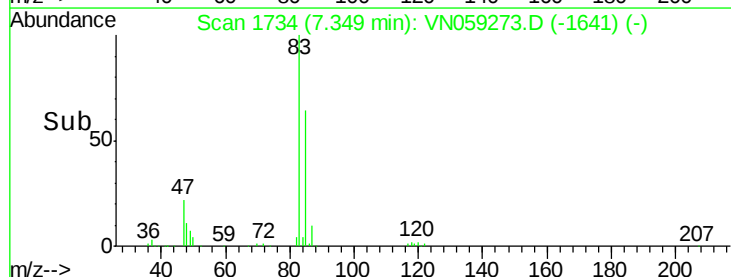
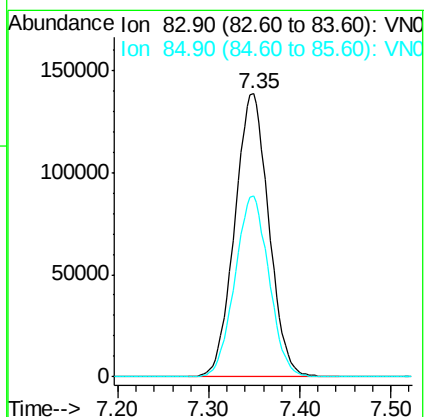
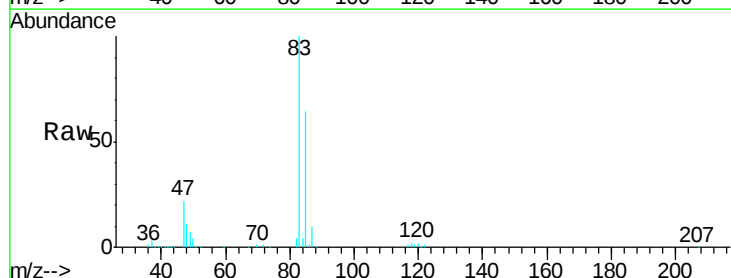
Acq: 18 Nov 2019 10:47

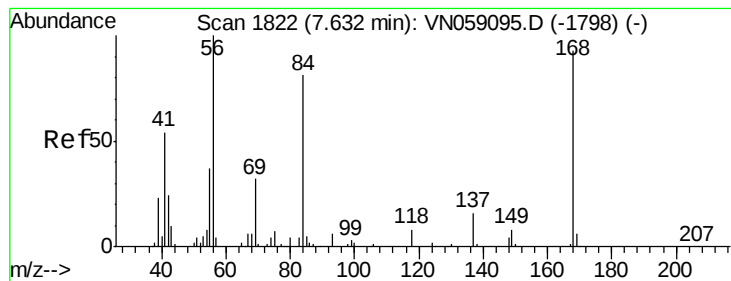
Tgt Ion: 83 Resp: 360306

Ion Ratio Lower Upper

83 100

85 63.9 51.8 77.8





#31

Cyclohexane

Concen: 44.862 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

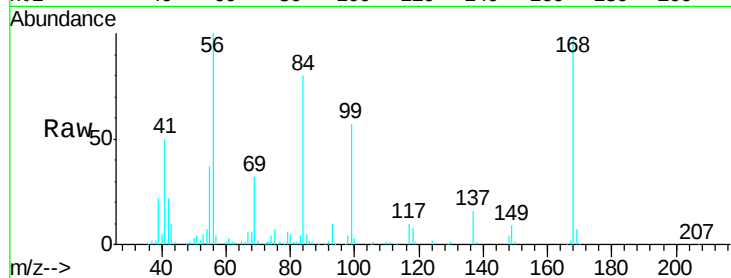
Tgt Ion: 56 Resp: 306185

Ion Ratio Lower Upper

56 100

69 31.8 25.8 38.8

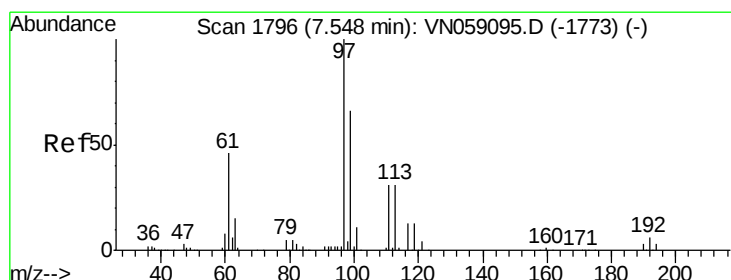
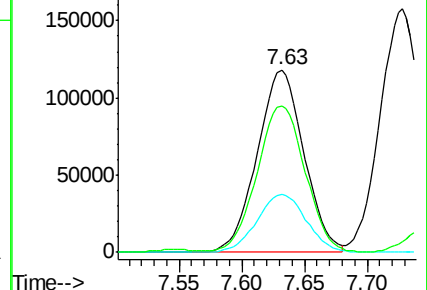
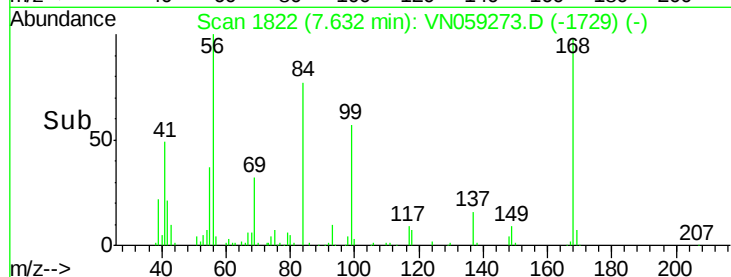
84 79.0 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN059273.D (-1798) (-)

Ion 69.00 (68.70 to 69.70): VN059273.D (-1798) (-)

Ion 84.00 (83.70 to 84.70): VN059273.D (-1798) (-)



#32

1,1,1-Trichloroethane

Concen: 50.835 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

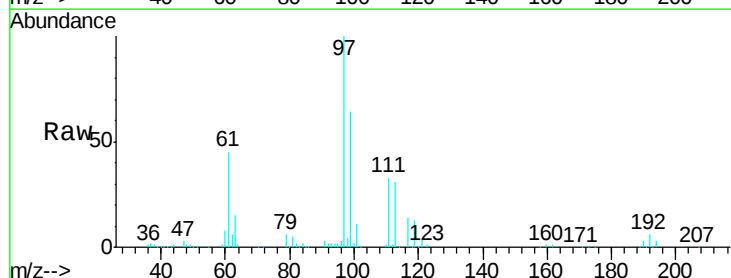
Tgt Ion: 97 Resp: 295577

Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.6

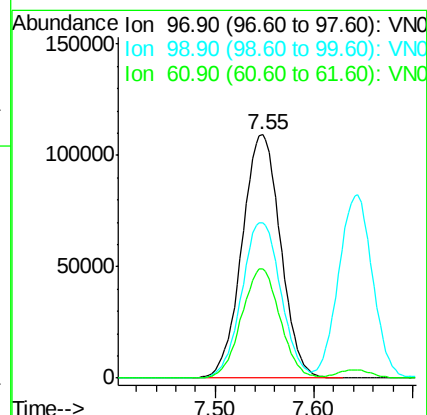
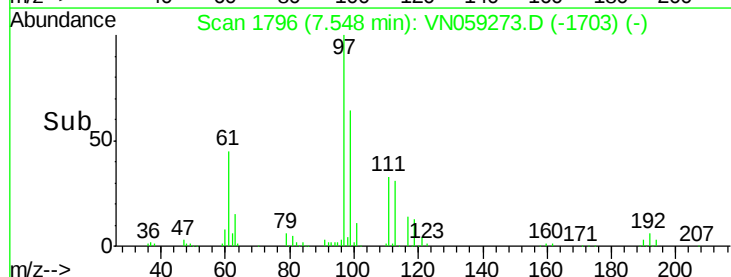
61 44.9 35.8 53.8

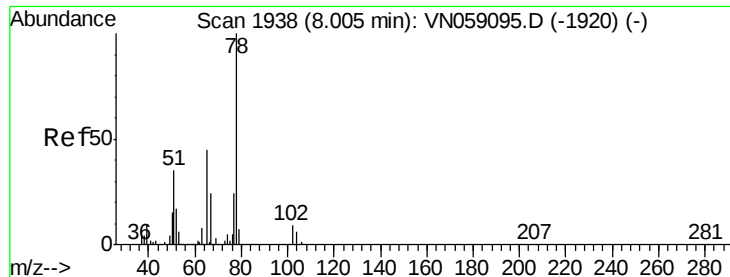


Abundance Ion 96.90 (96.60 to 97.60): VN059273.D (-1773) (-)

Ion 98.90 (98.60 to 99.60): VN059273.D (-1773) (-)

Ion 60.90 (60.60 to 61.60): VN059273.D (-1773) (-)





#33

1,2-Dichloroethane-d4

Concen: 45.423 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

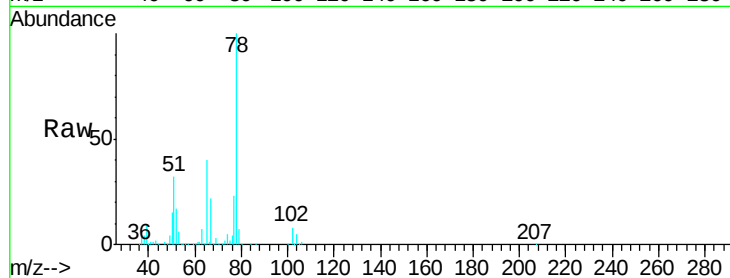
VSTDCCC050

Tgt Ion: 65 Resp: 199132

Ion Ratio Lower Upper

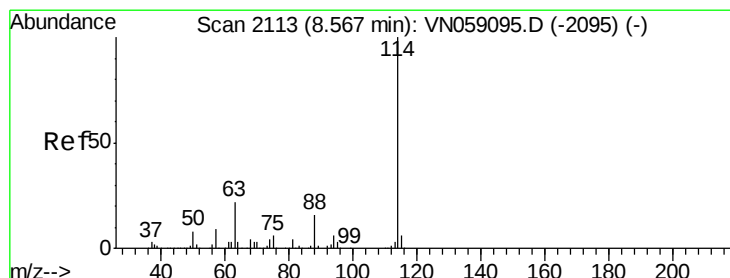
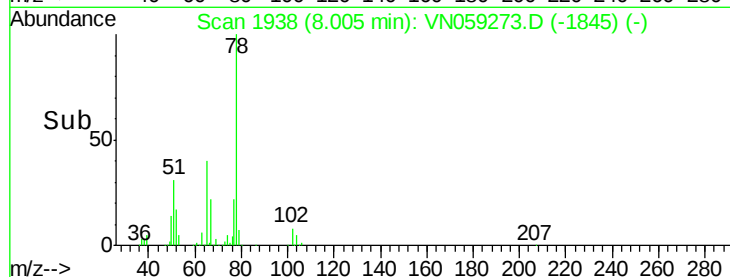
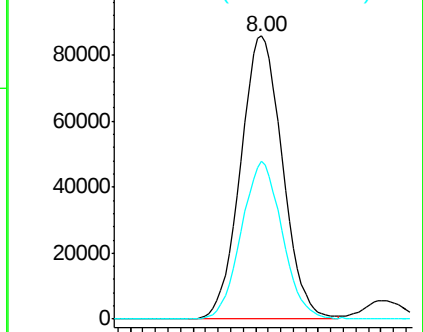
65 100

67 54.4 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059095.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN059095.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

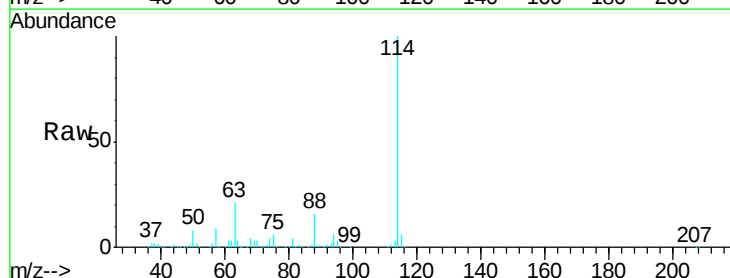
Tgt Ion: 114 Resp: 548590

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.4

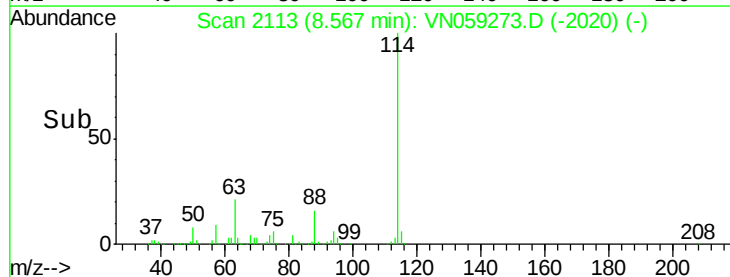
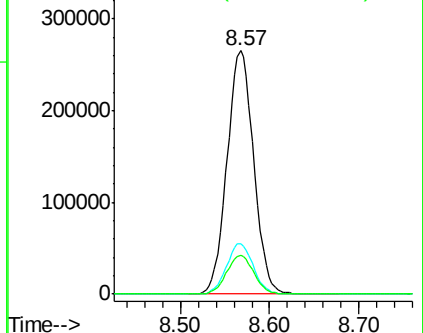
88 15.9 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059095.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN059095.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN059095.D (-2095) (-)

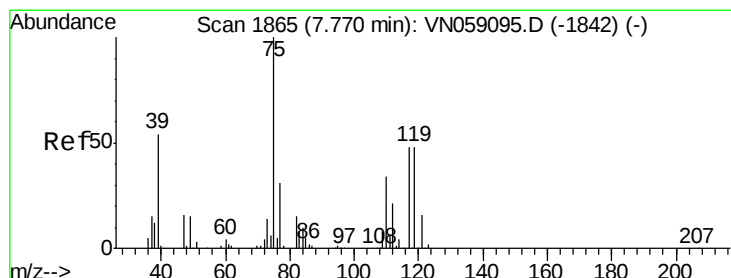
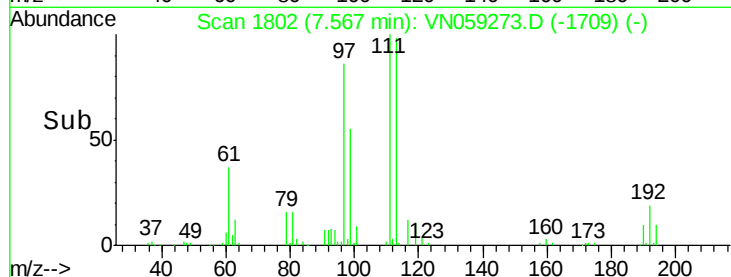
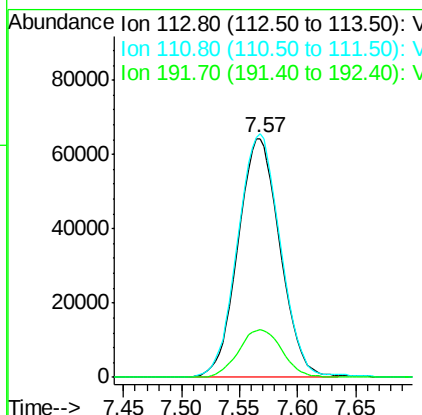
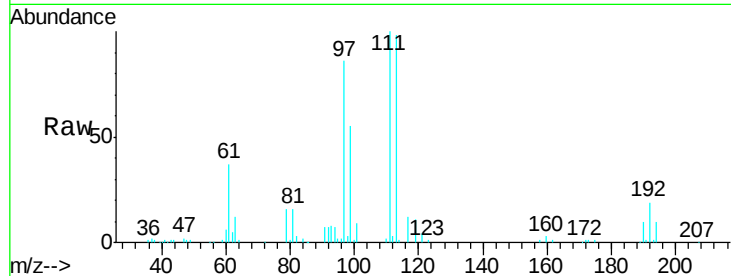




#35
 Dibromofluoromethane
 Concen: 49.545 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

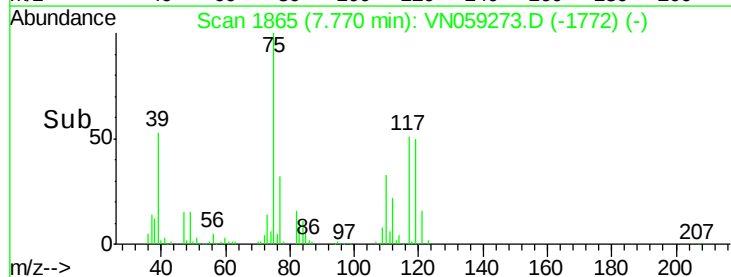
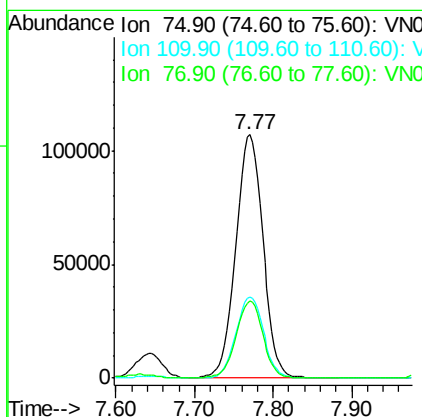
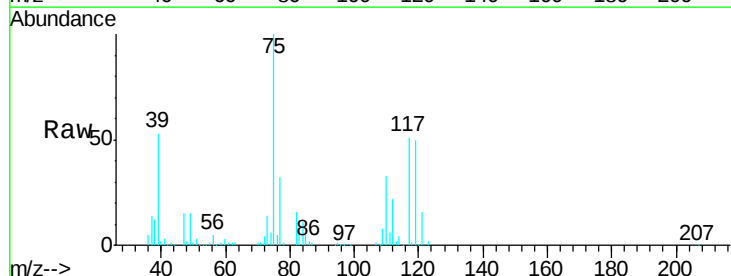
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

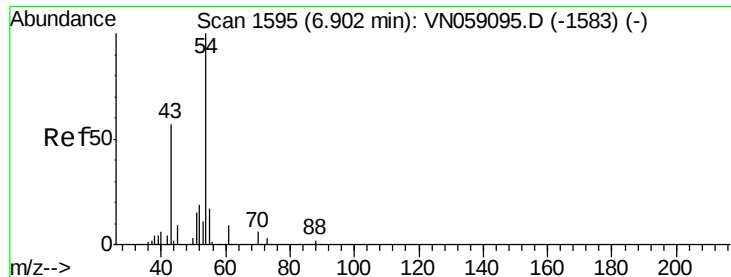
Tgt Ion: 113 Resp: 162292
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.8 124.2
 192 20.6 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 50.729 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Tgt Ion: 75 Resp: 260124
 Ion Ratio Lower Upper
 75 100
 110 33.9 17.1 51.2
 77 31.5 24.8 37.2

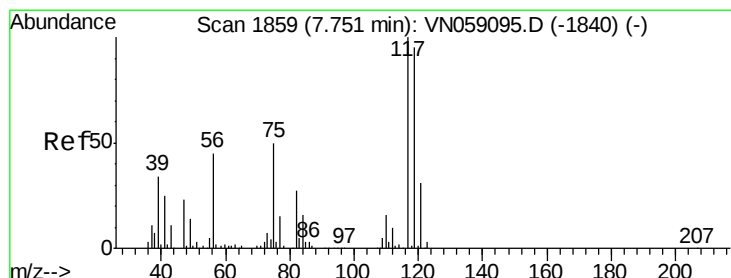
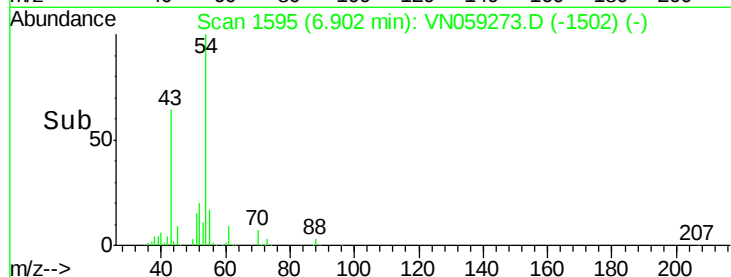
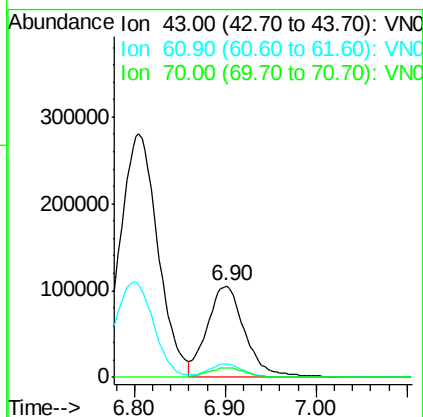
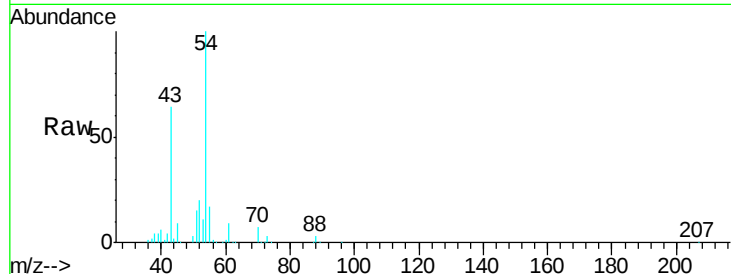




#37
Ethyl Acetate
Concen: 52.334 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

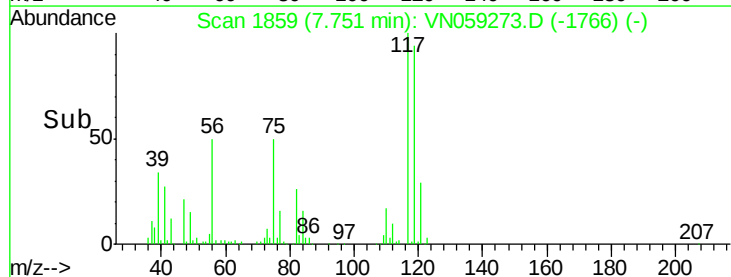
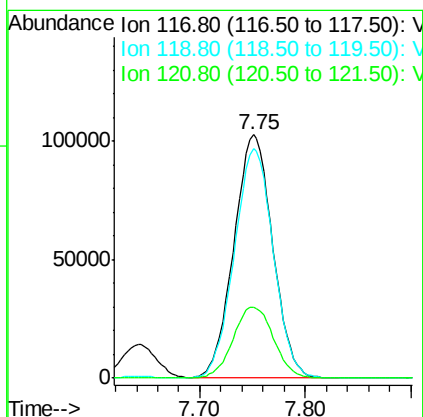
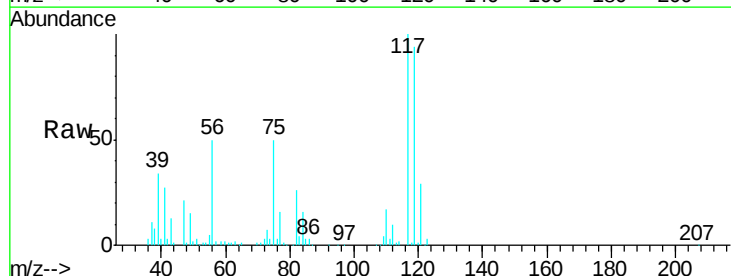
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

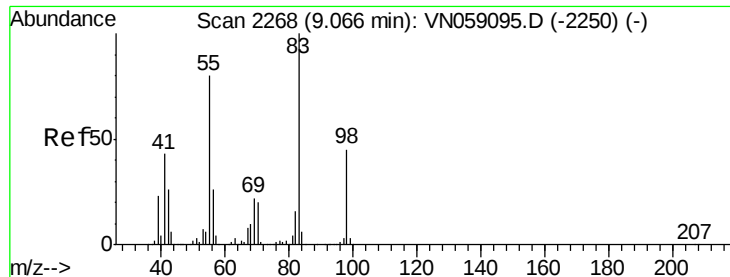
Tgt Ion: 43 Resp: 298535
Ion Ratio Lower Upper
43 100
61 13.8 11.2 16.8
70 10.3 7.8 11.8



#38
Carbon Tetrachloride
Concen: 51.455 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion: 117 Resp: 262609
Ion Ratio Lower Upper
117 100
119 93.9 75.6 113.4
121 29.2 24.6 36.8

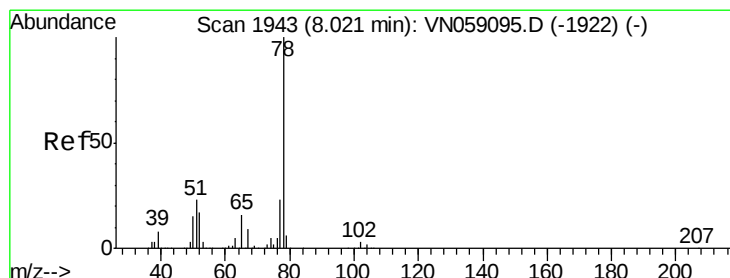
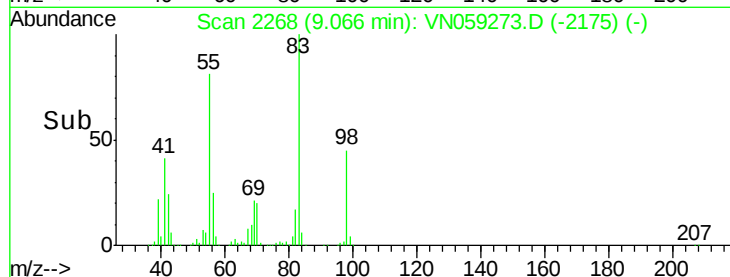
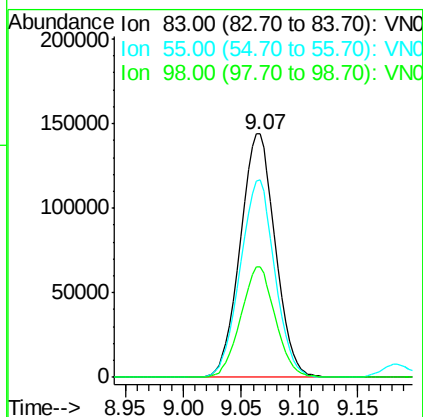
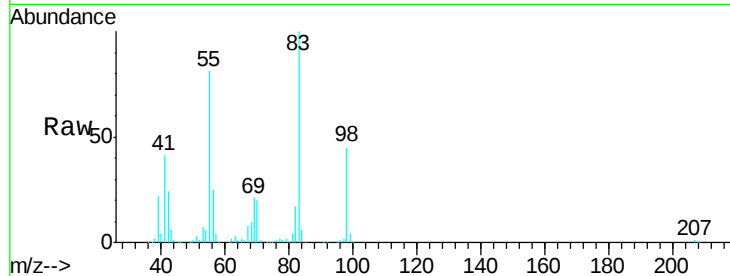




#39
Methylcyclohexane
Concen: 50.896 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

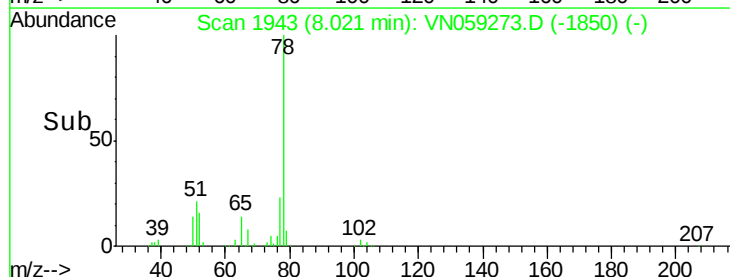
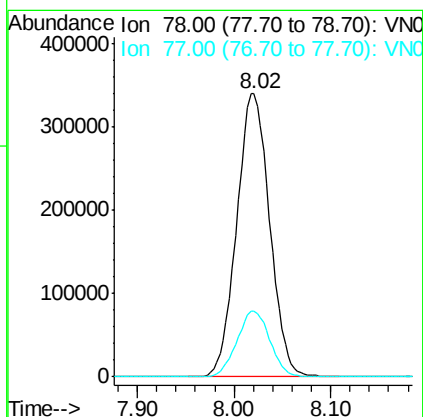
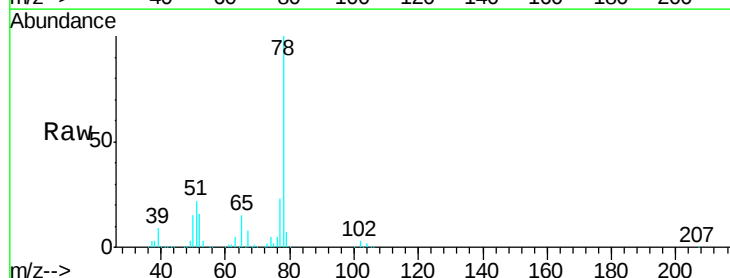
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

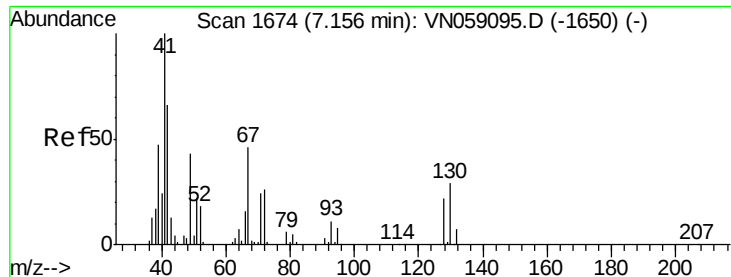
Tgt Ion: 83 Resp: 302889
Ion Ratio Lower Upper
83 100
55 80.9 63.9 95.9
98 45.5 35.6 53.4



#40
Benzene
Concen: 52.153 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion: 78 Resp: 805315
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

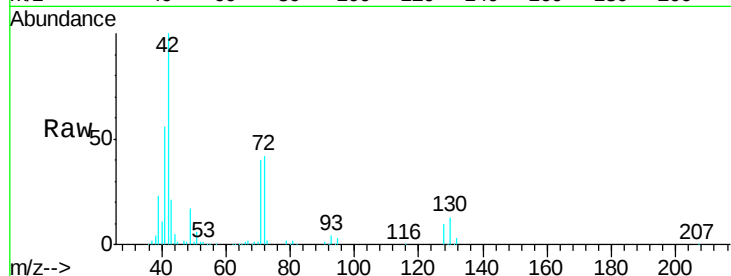




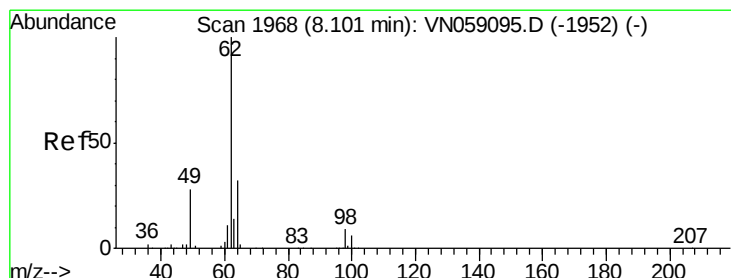
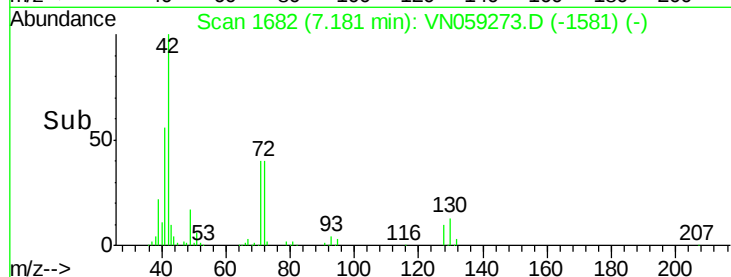
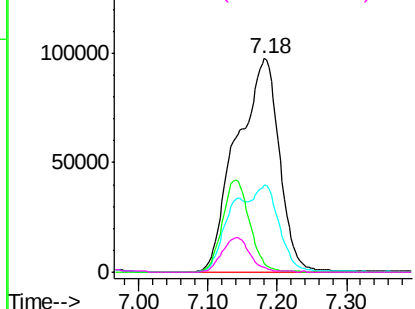
#41
Methacrylonitrile
Concen: 168.966 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	419127
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

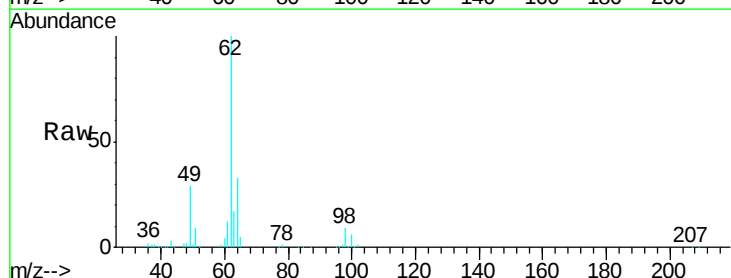


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

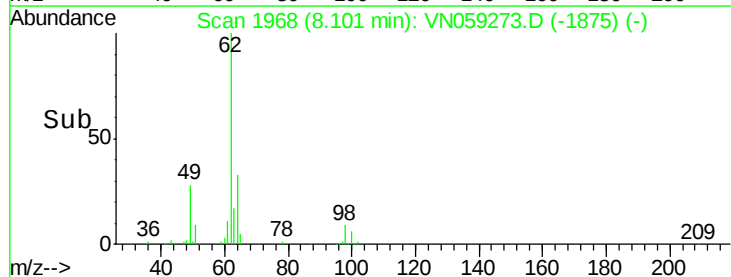
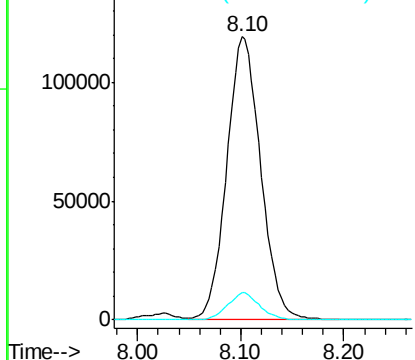


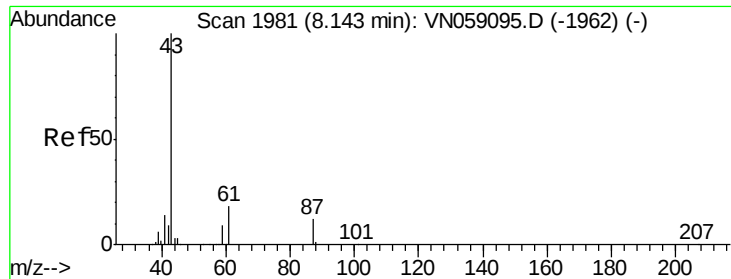
#42
1,2-Dichloroethane
Concen: 51.293 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion:	62	Resp:	271644
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 52.026 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

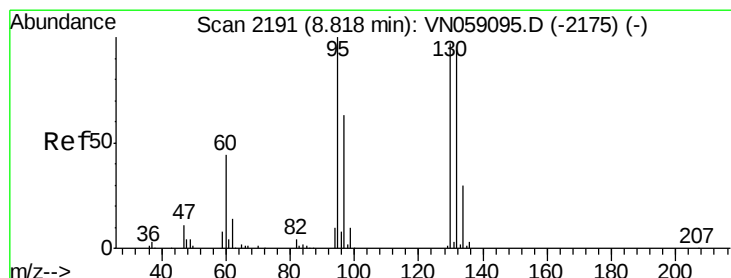
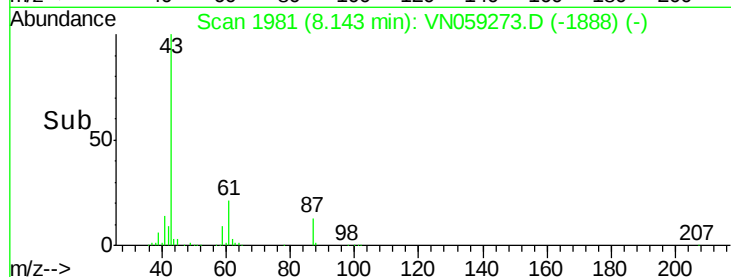
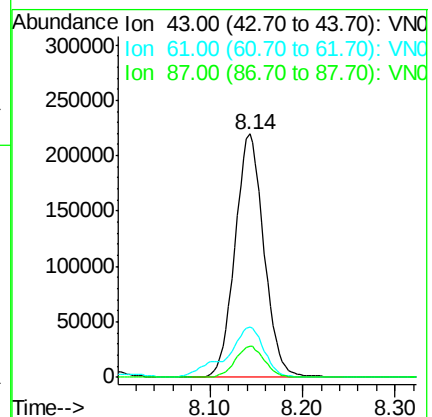
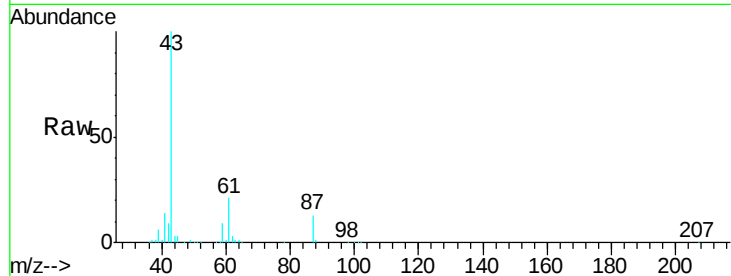
Tgt Ion: 43 Resp: 473138

Ion Ratio Lower Upper

43 100

61 26.6 21.0 31.6

87 12.9 9.8 14.6



#44

Trichloroethene

Concen: 52.717 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059273.D

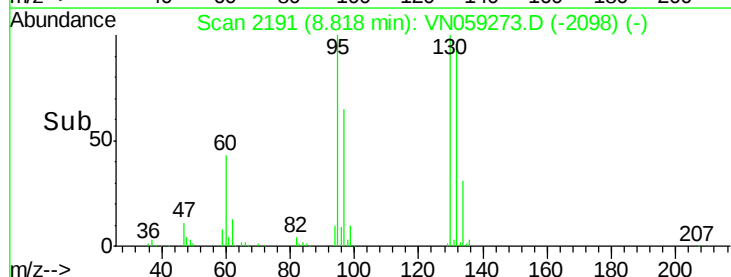
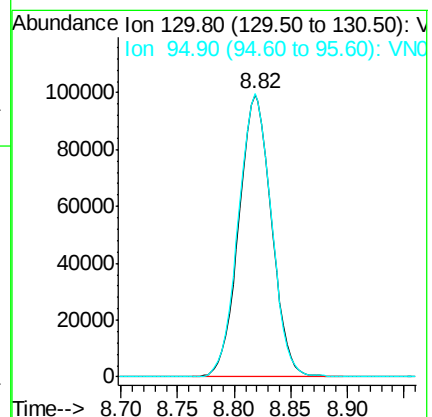
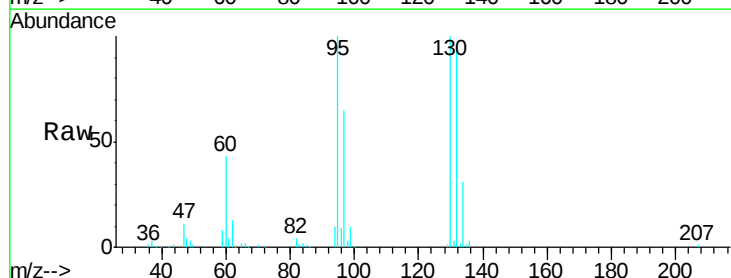
Acq: 18 Nov 2019 10:47

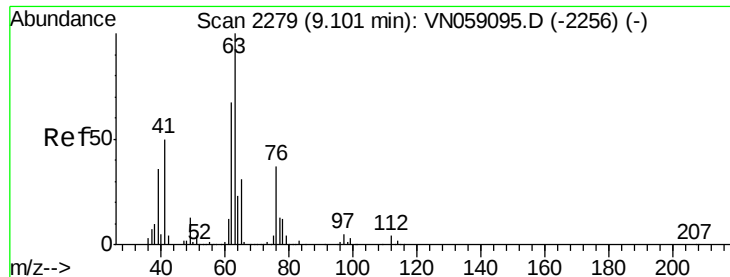
Tgt Ion: 130 Resp: 200100

Ion Ratio Lower Upper

130 100

95 100.2 0.0 206.4





#45

1,2-Dichloropropane

Concen: 53.594 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

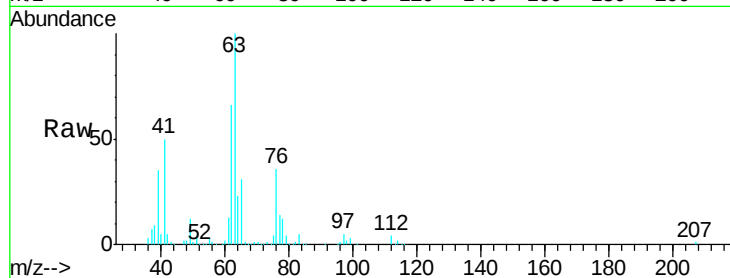
VSTDCCC050

Tgt Ion: 63 Resp: 224779

Ion Ratio Lower Upper

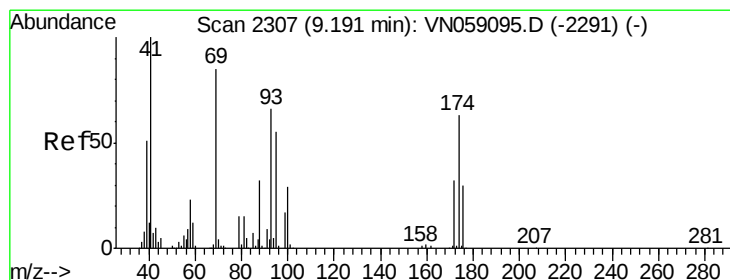
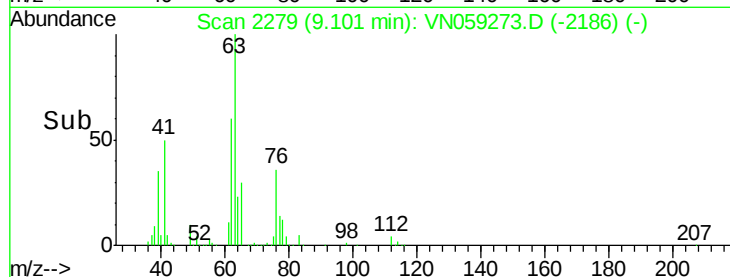
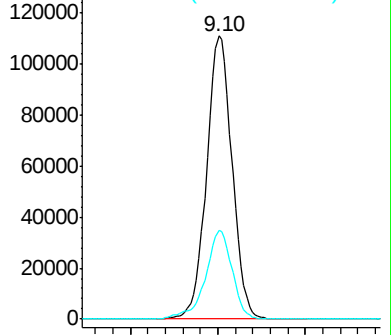
63 100

65 31.2 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 51.537 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

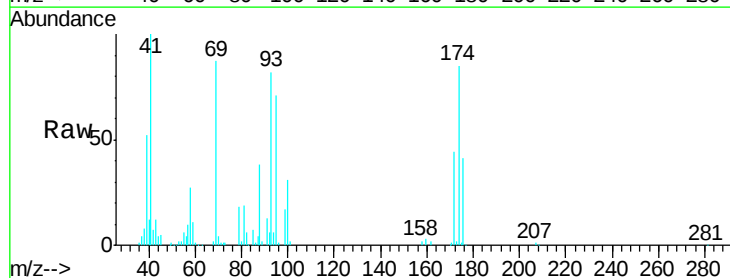
Tgt Ion: 93 Resp: 134697

Ion Ratio Lower Upper

93 100

95 84.7 66.6 100.0

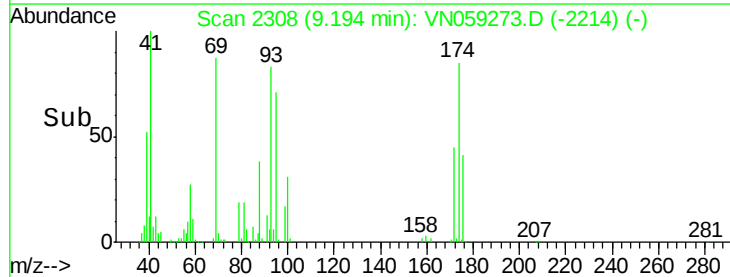
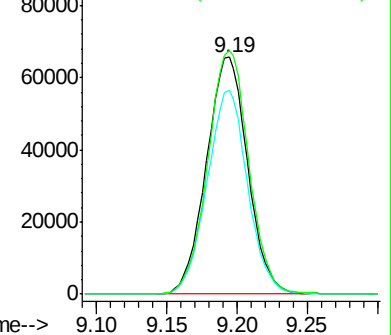
174 102.3 78.2 117.2

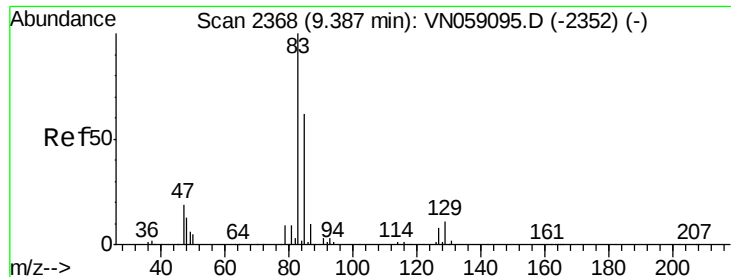


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.985 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

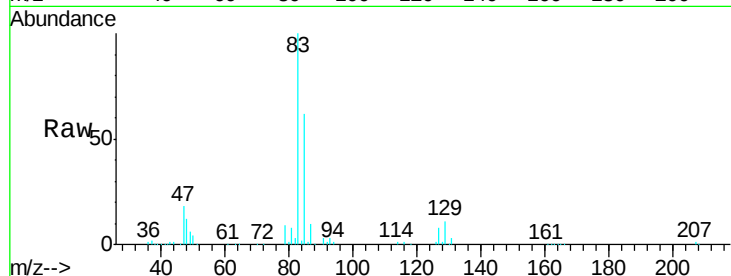
Tgt Ion: 83 Resp: 286960

Ion Ratio Lower Upper

83 100

85 61.9 49.7 74.5

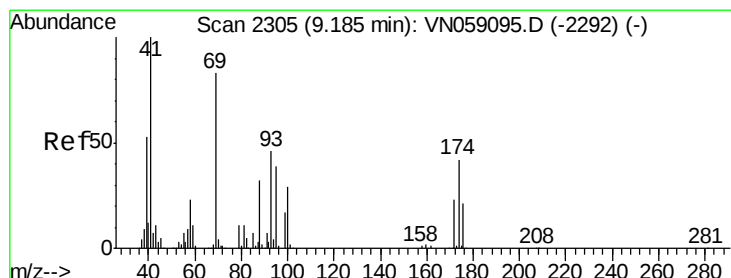
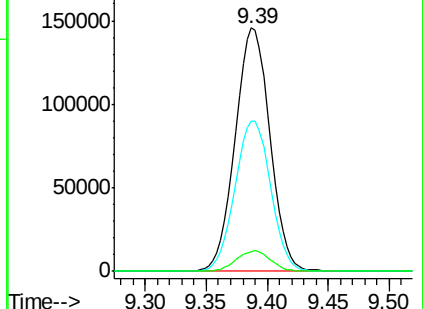
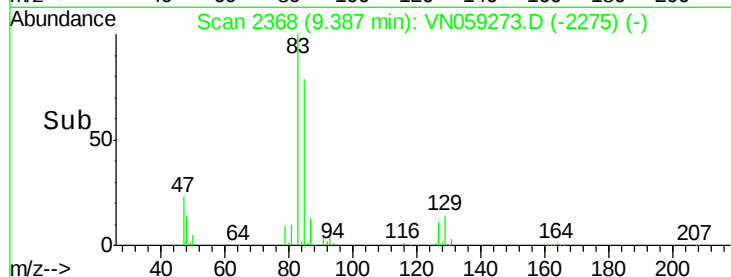
127 8.2 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN059273.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059273.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059273.D (-2275) (-)



#48

Methyl methacrylate

Concen: 53.149 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

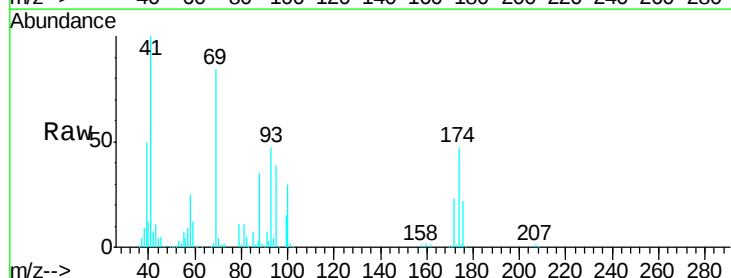
Tgt Ion: 41 Resp: 216202

Ion Ratio Lower Upper

41 100

69 85.4 67.3 100.9

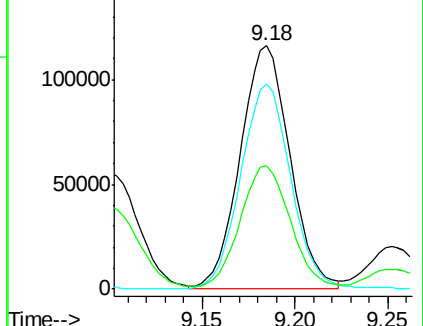
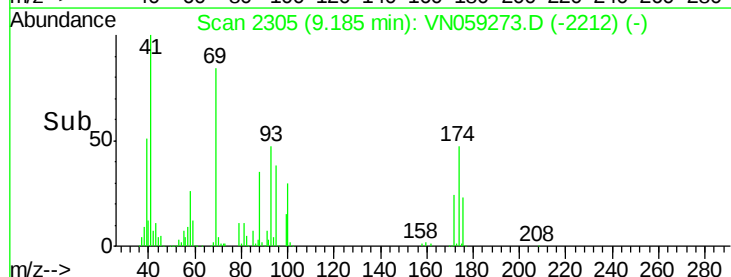
39 51.6 43.3 64.9



Abundance Ion 41.00 (40.70 to 41.70): VN059273.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059273.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059273.D (-2212) (-)

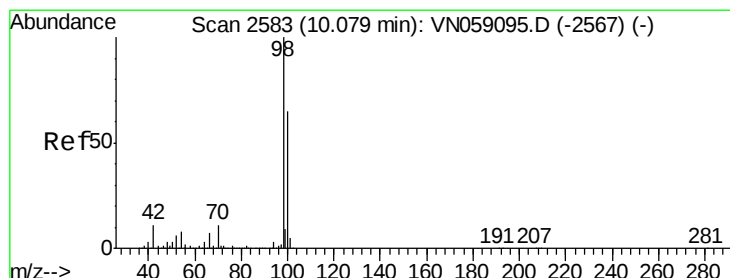
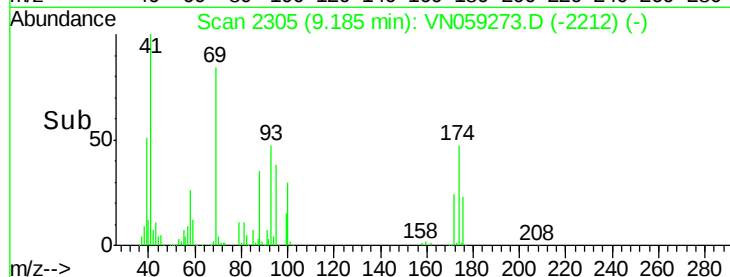
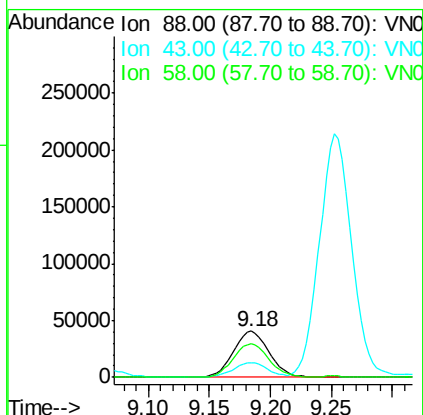
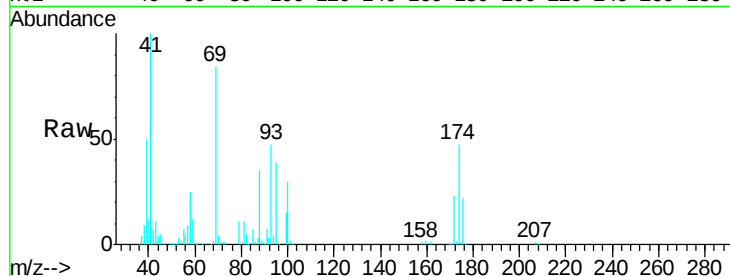




#49
1,4-Dioxane
Concen: 1137.087 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

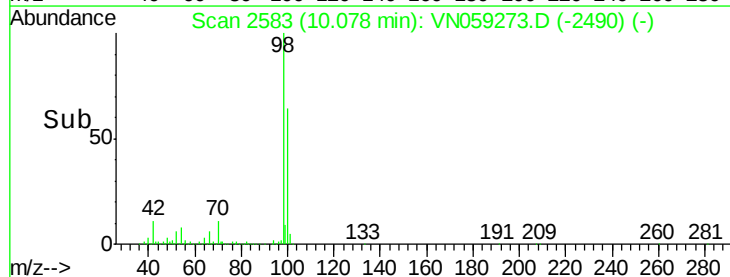
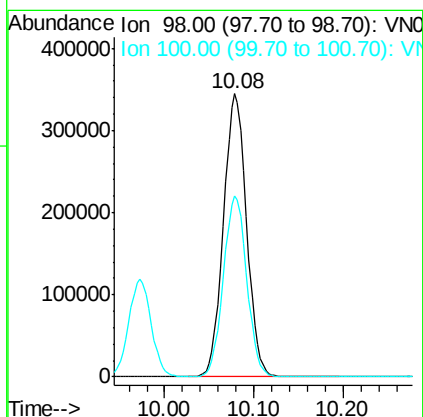
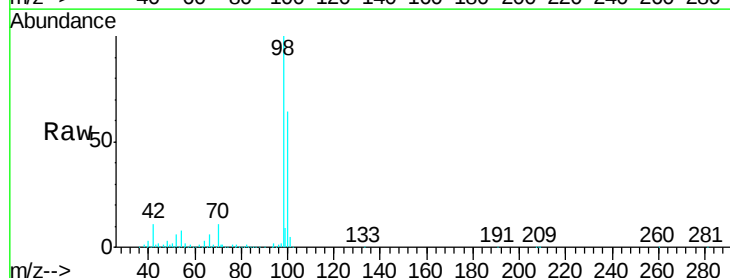
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 88 Resp: 82202
Ion Ratio Lower Upper
88 100
43 31.2 26.3 39.5
58 72.9 60.6 90.8



#50
Toluene-d8
Concen: 47.858 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion: 98 Resp: 617482
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 287.258 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

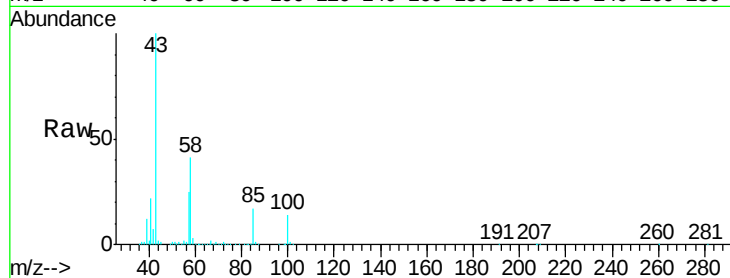
VSTDCCC050

Tgt Ion: 43 Resp: 1478168

Ion Ratio Lower Upper

43 100

58 40.1 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-2528) (-)

9.97

800000

600000

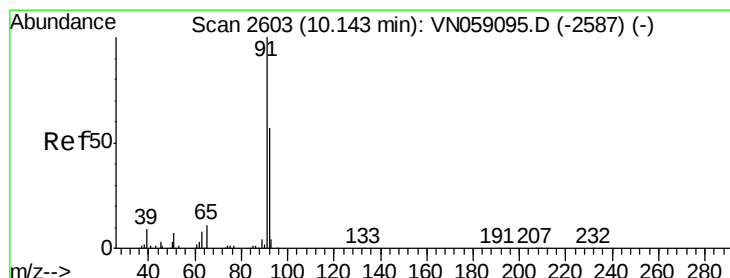
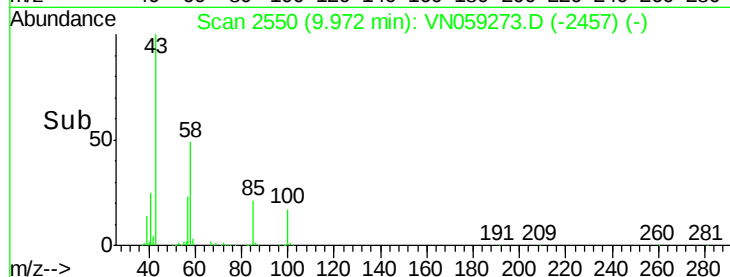
400000

200000

0

9.90 10.00

Time-->



#52

Toluene

Concen: 53.296 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059273.D

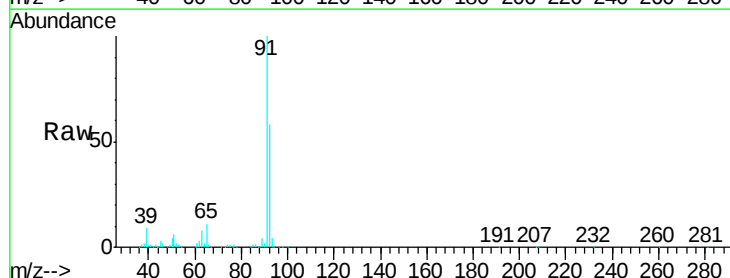
Acq: 18 Nov 2019 10:47

Tgt Ion: 92 Resp: 493262

Ion Ratio Lower Upper

92 100

91 173.2 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-2587) (-)

10.14

500000

400000

300000

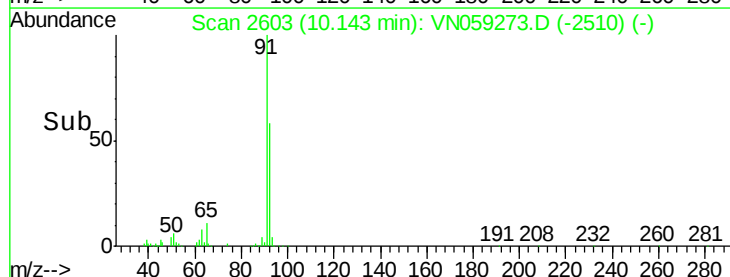
200000

100000

0

10.10 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.132 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

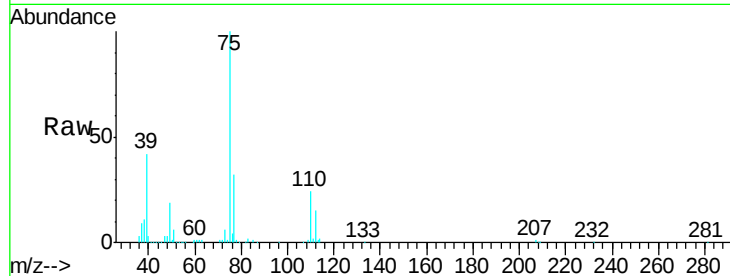
VSTDCCC050

Tgt Ion: 75 Resp: 326391

Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

200000

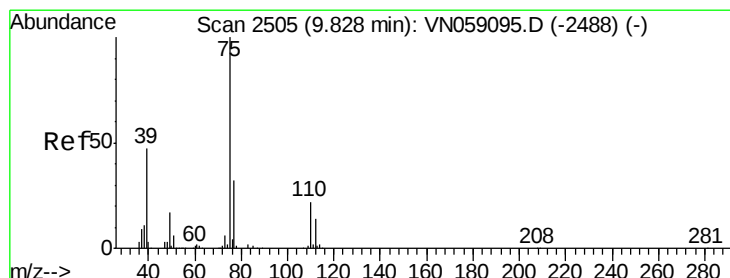
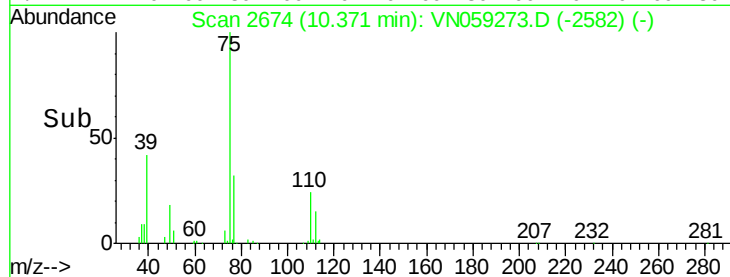
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.632 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

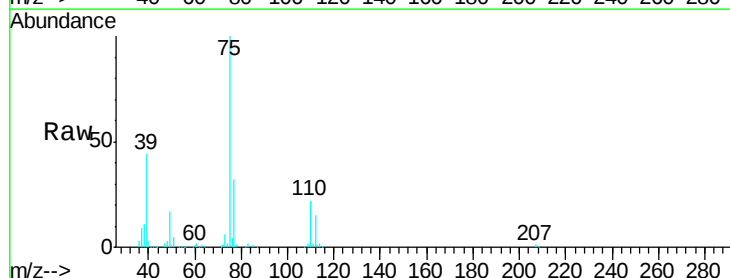
Tgt Ion: 75 Resp: 354331

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 44.0 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

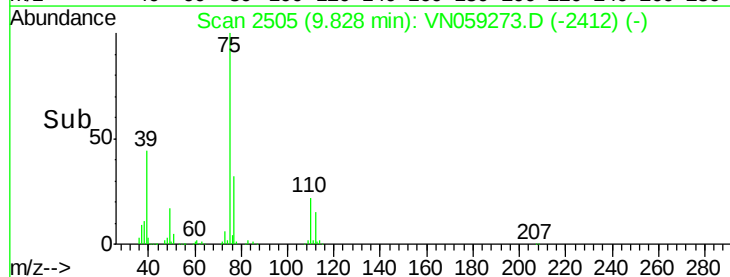
150000

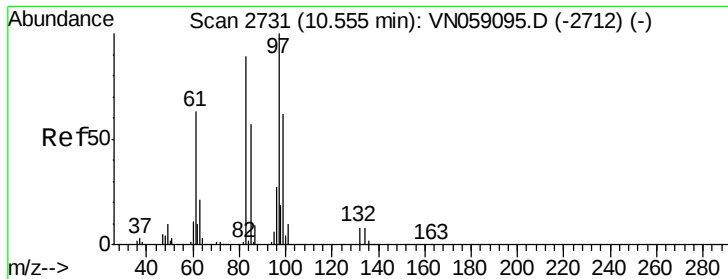
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 53.212 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 199312

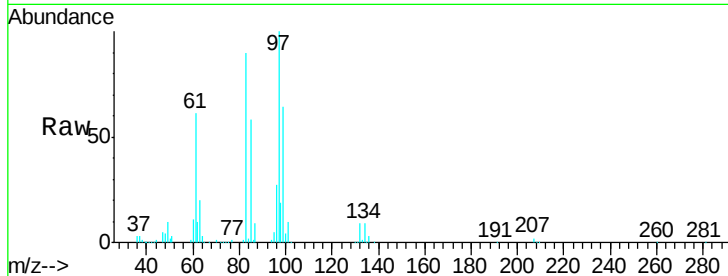
Ion Ratio Lower Upper

97 100

83 90.2 71.0 106.4

85 57.6 45.8 68.8

99 64.4 49.4 74.0



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

150000

100000

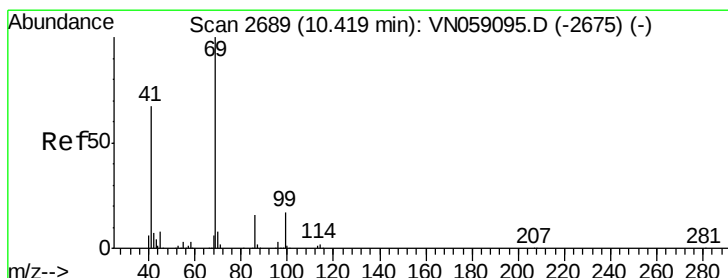
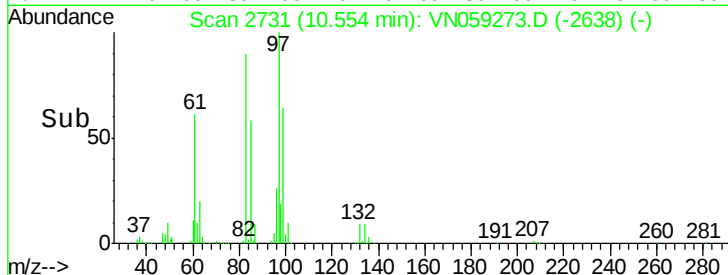
50000

0

10.55

10.50 10.55 10.60

Time-->



#56

Ethyl methacrylate

Concen: 50.046 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

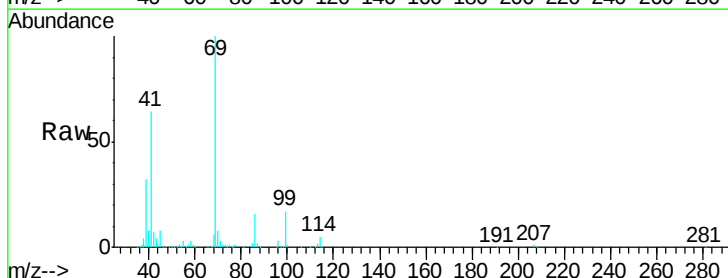
Tgt Ion: 69 Resp: 312665

Ion Ratio Lower Upper

69 100

41 64.1 53.6 80.4

39 31.8 26.2 39.4



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

150000

100000

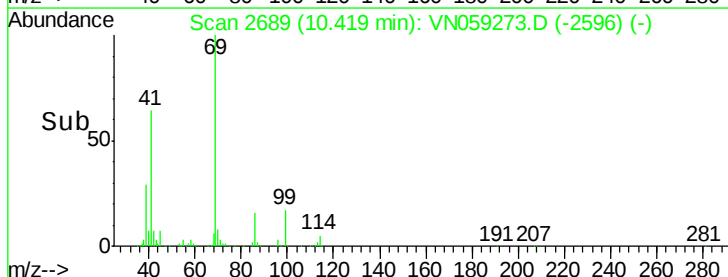
50000

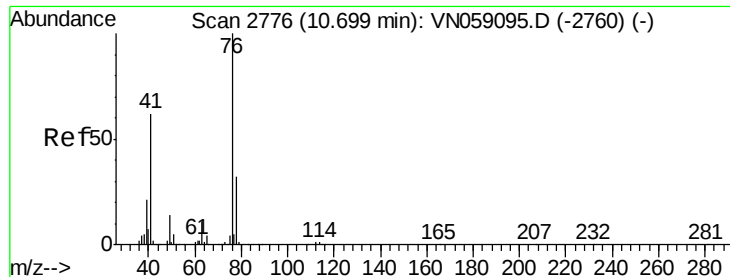
0

10.42

10.40 10.42 10.44

Time-->

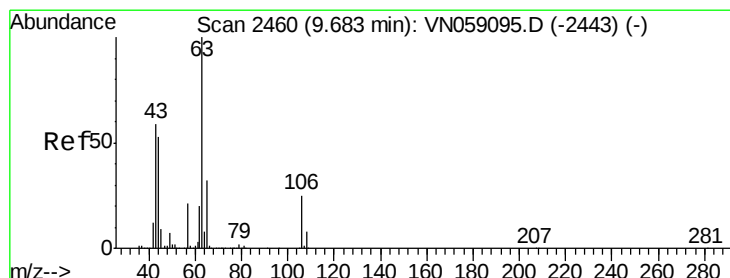
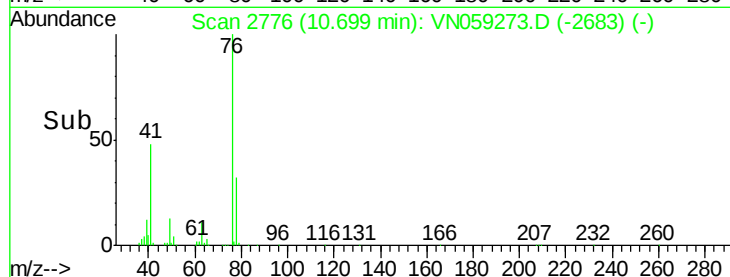
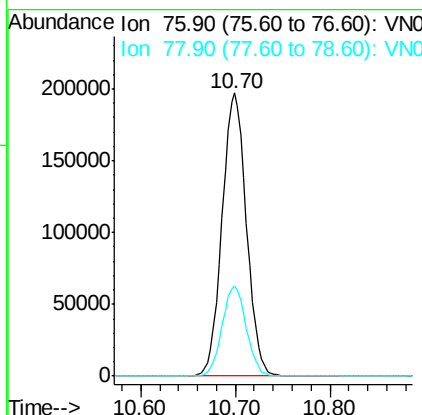
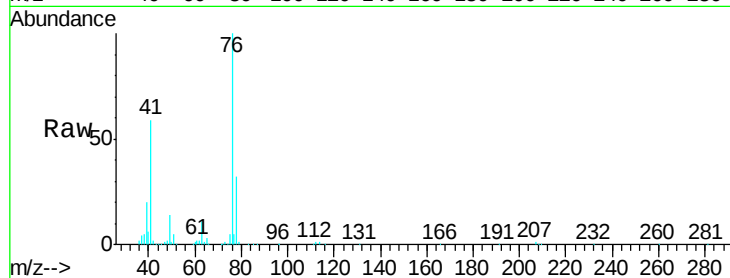




#57
 1,3-Dichloropropane
 Concen: 54.468 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

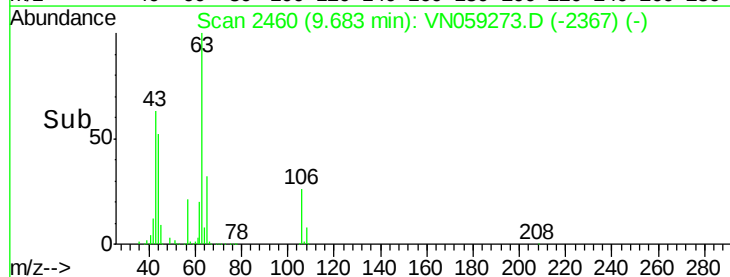
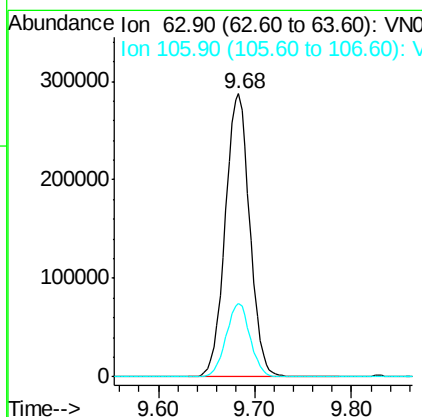
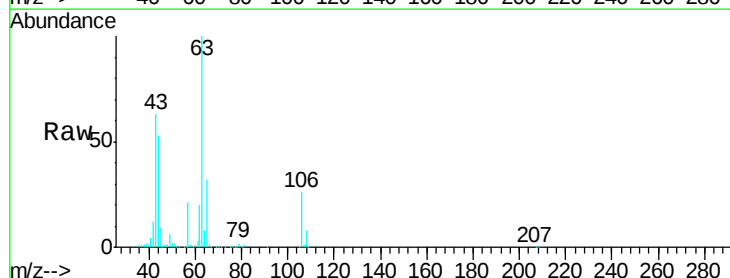
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

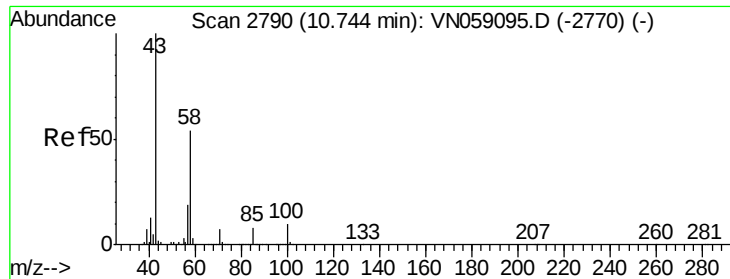
Tgt Ion: 76 Resp: 351131
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.338 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Tgt Ion: 63 Resp: 505162
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.2 30.2

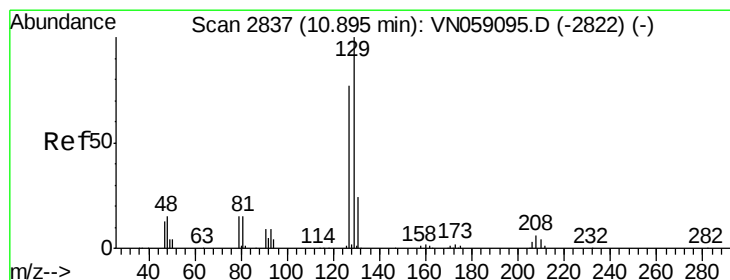
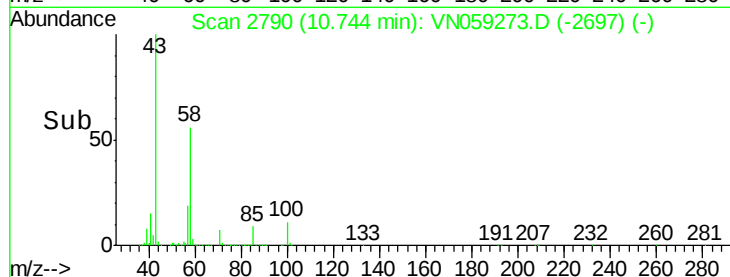
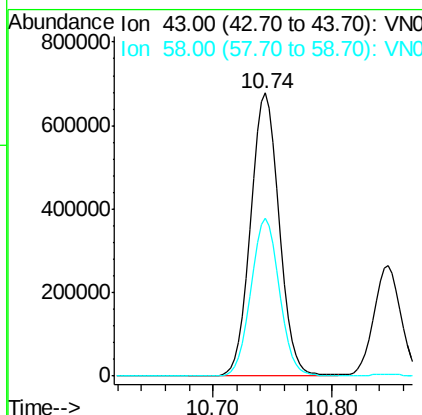
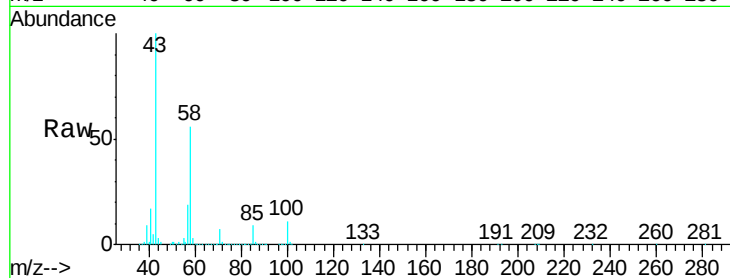




#59
2-Hexanone
Concen: 285.325 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

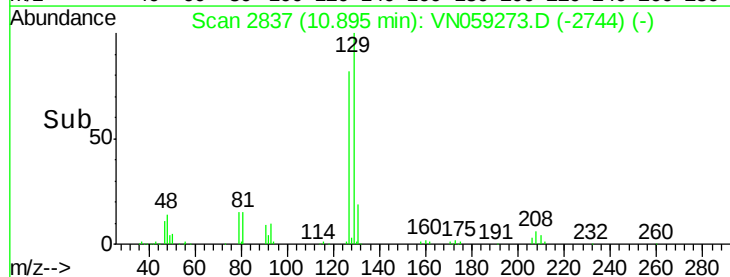
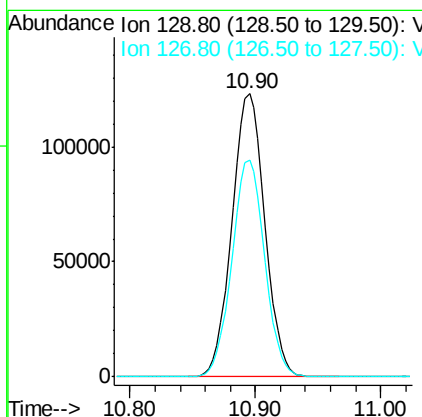
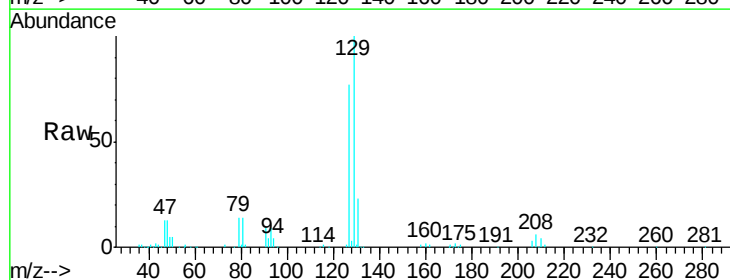
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

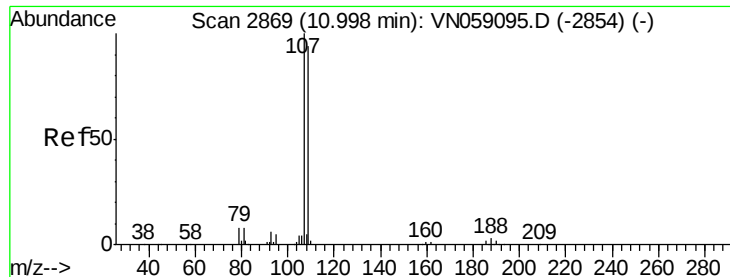
Tgt Ion: 43 Resp: 1126928
Ion Ratio Lower Upper
43 100
58 55.8 27.3 81.8



#60
Dibromochloromethane
Concen: 56.491 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion: 129 Resp: 223715
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8

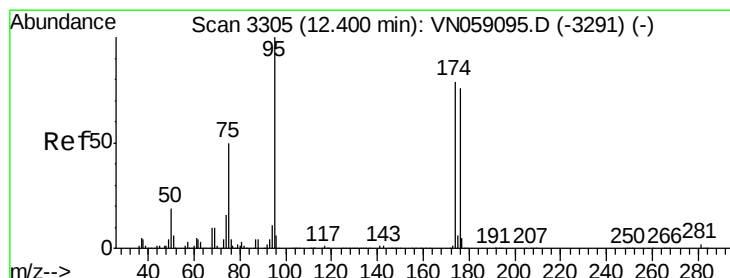
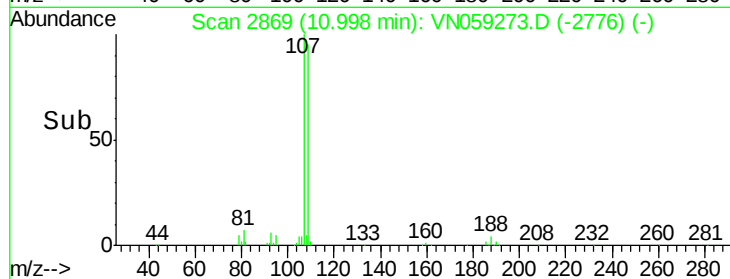
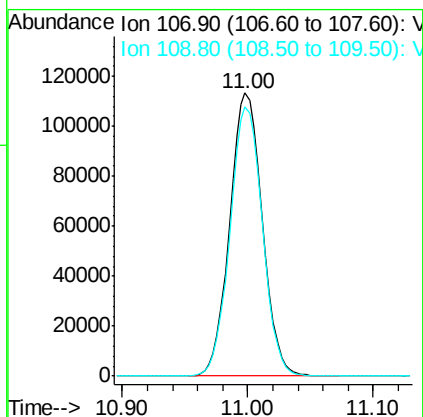
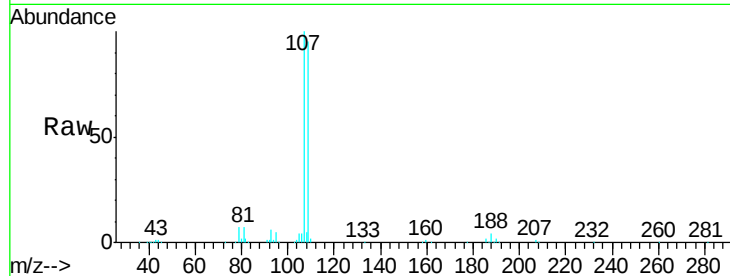




#61
 1,2-Dibromoethane
 Concen: 53.831 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

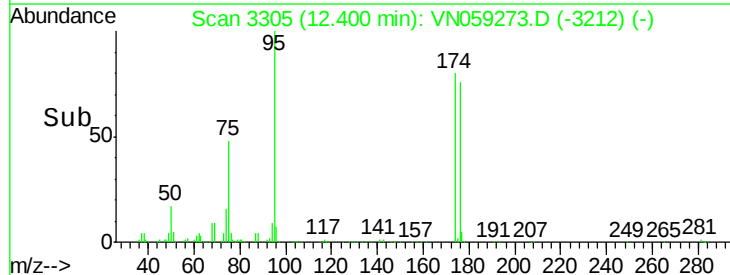
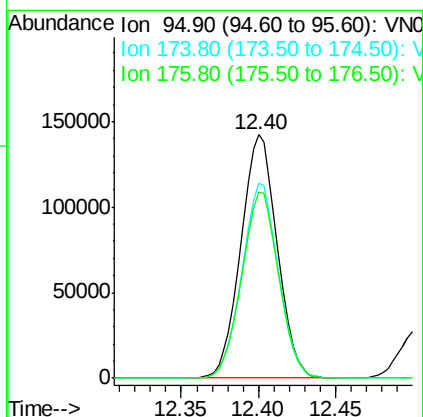
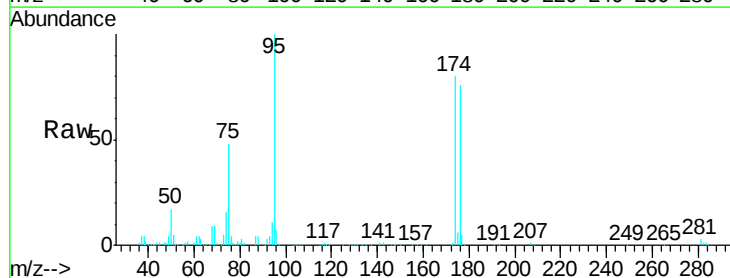
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 204112
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 49.838 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Tgt Ion: 95 Resp: 231852
 Ion Ratio Lower Upper
 95 100
 174 80.6 0.0 158.2
 176 77.9 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

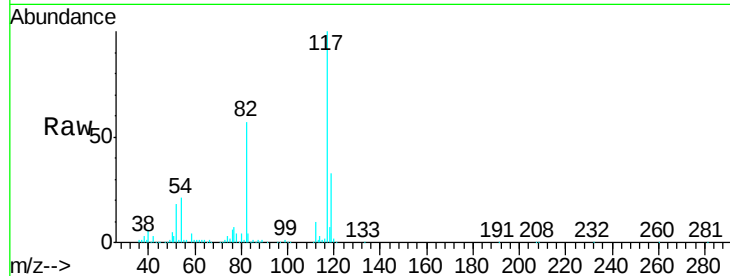
Tgt Ion:117 Resp: 495771

Ion Ratio Lower Upper

117 100

82 57.5 45.8 68.8

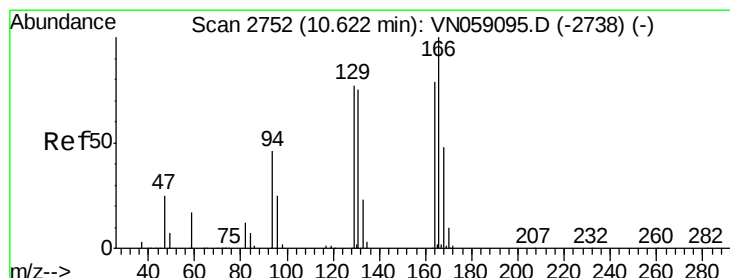
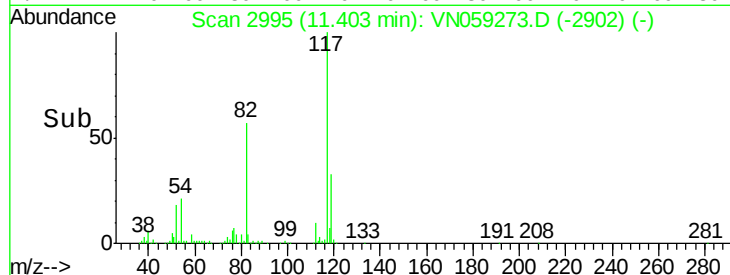
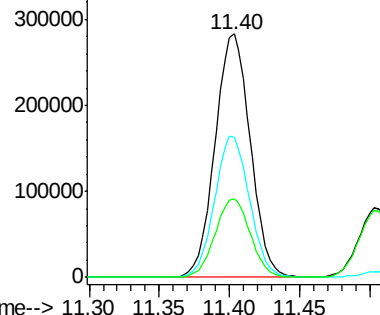
119 32.5 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 51.646 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Tgt Ion:164 Resp: 174107

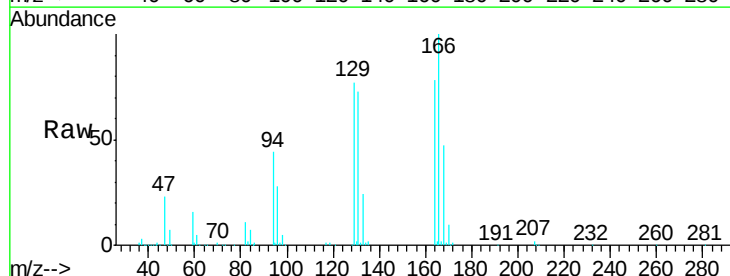
Ion Ratio Lower Upper

164 100

166 129.0 101.5 152.3

129 99.2 78.3 117.5

131 93.9 75.9 113.9

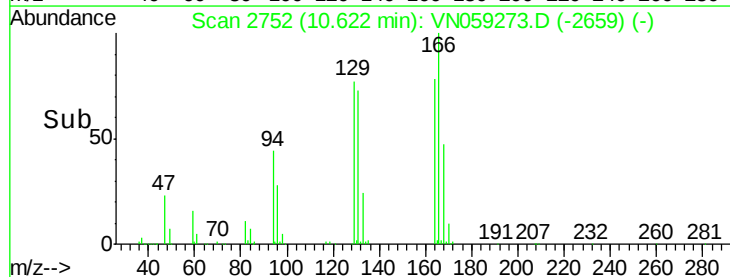
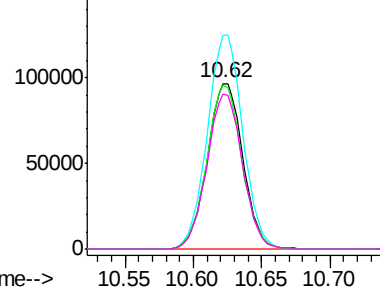


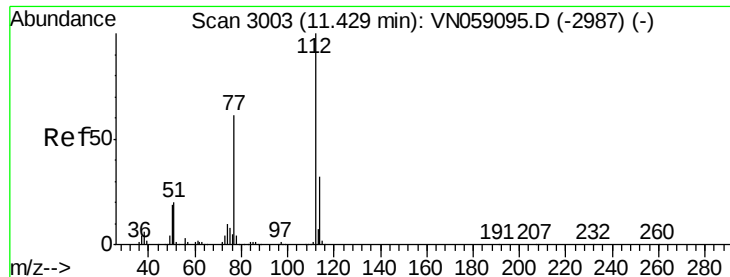
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

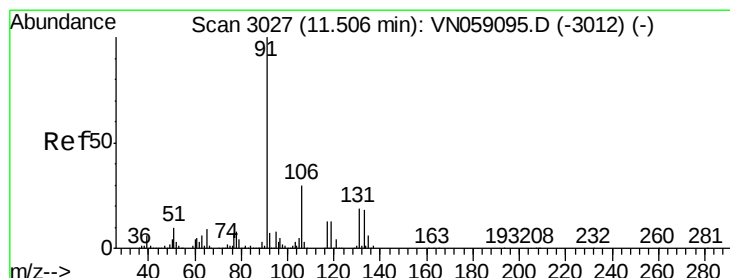
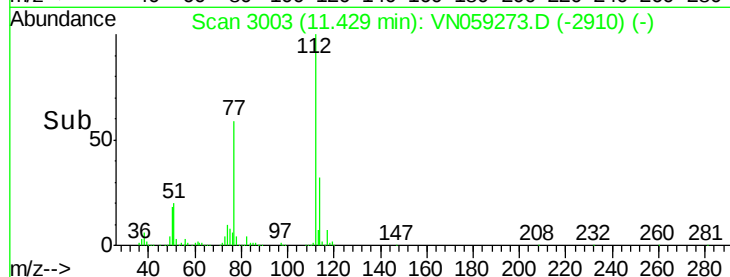
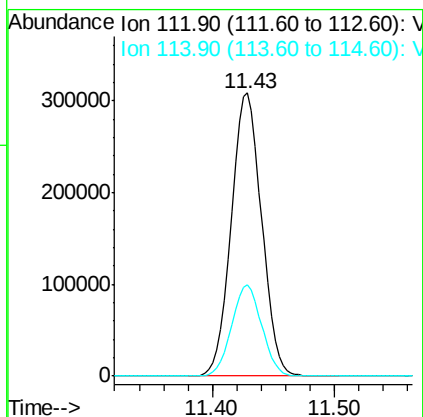
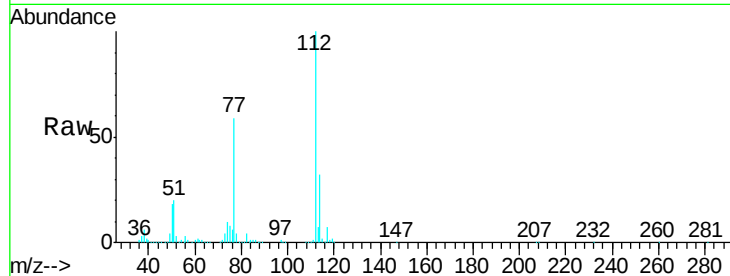




#65
Chlorobenzene
Concen: 55.109 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

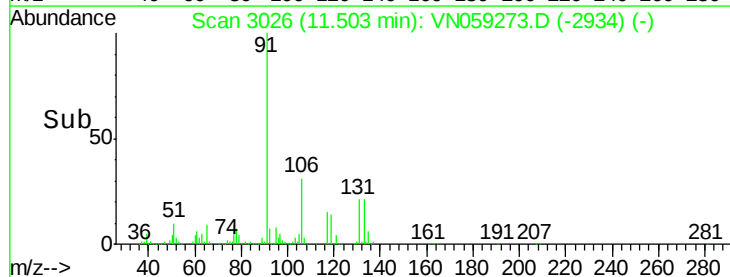
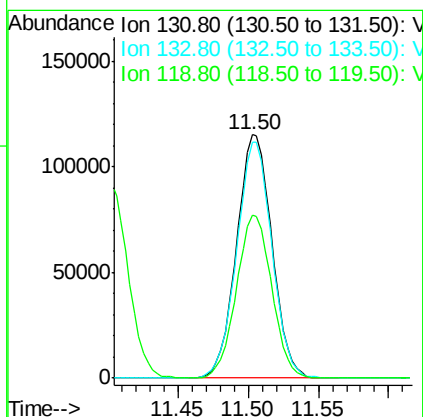
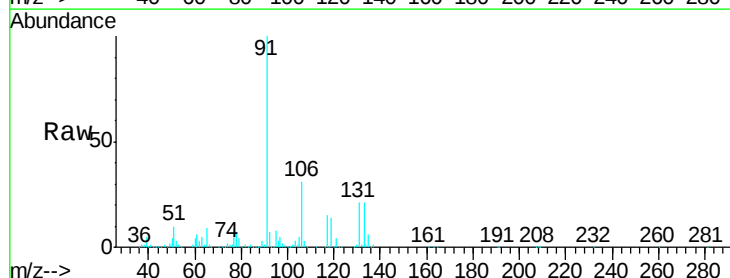
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 532604
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 55.855 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion:131 Resp: 202495
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.3
119 66.7 33.2 99.6





#67

Ethyl Benzene

Concen: 56.196 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

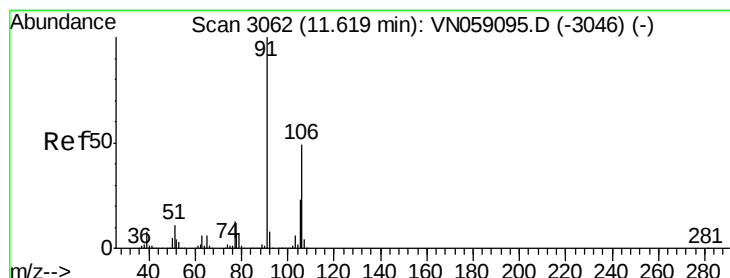
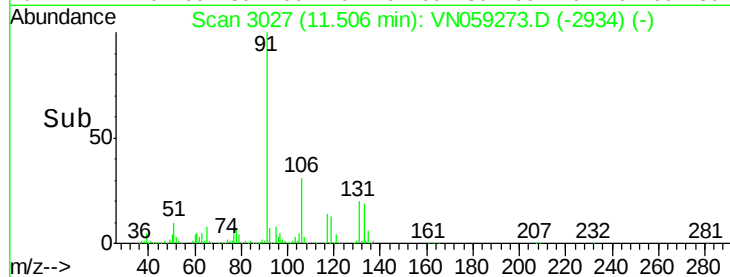
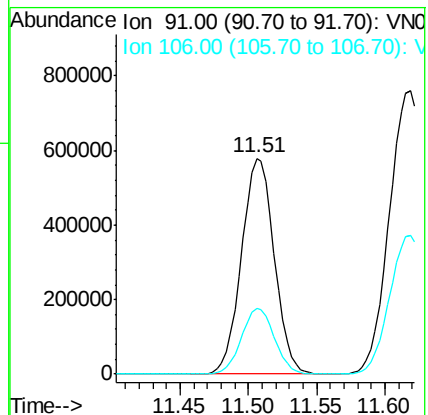
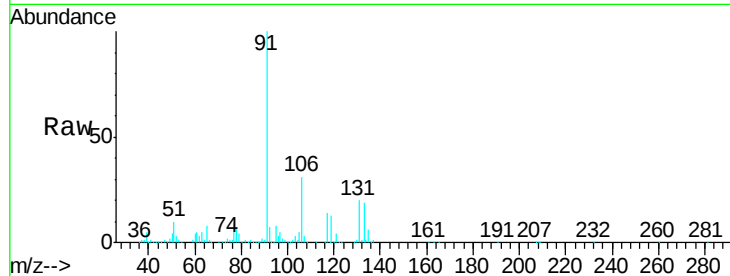
VSTDCCC050

Tgt Ion: 91 Resp: 963598

Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1



#68

m/p-Xylenes

Concen: 111.295 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059273.D

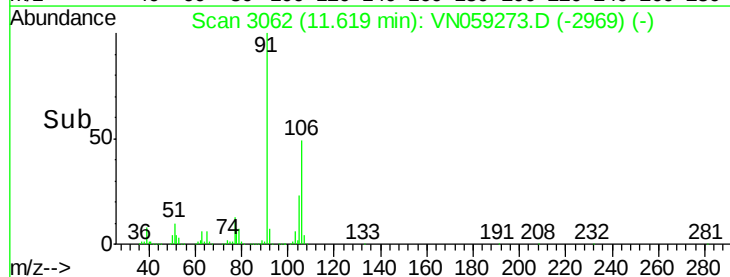
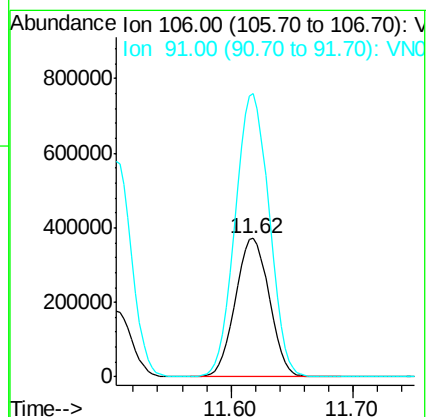
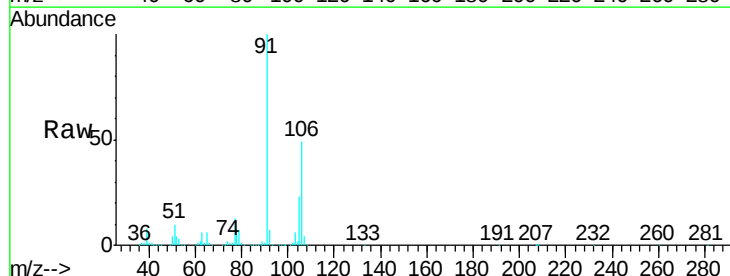
Acq: 18 Nov 2019 10:47

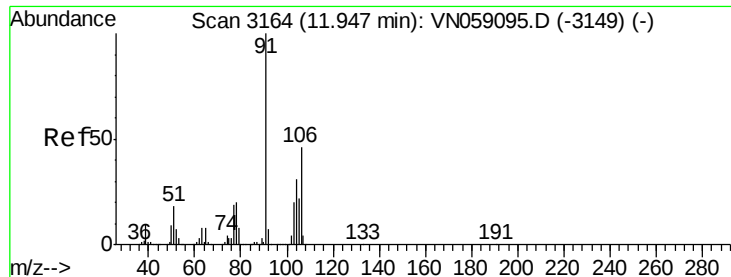
Tgt Ion: 106 Resp: 714854

Ion Ratio Lower Upper

106 100

91 205.8 164.7 247.1

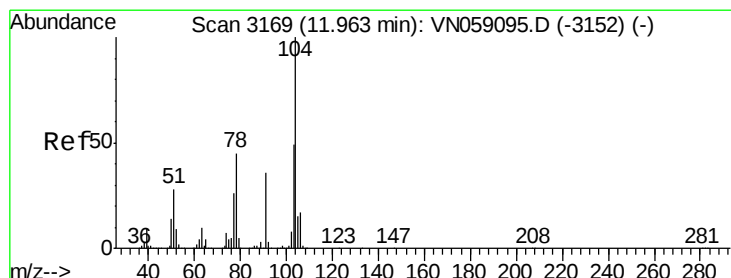
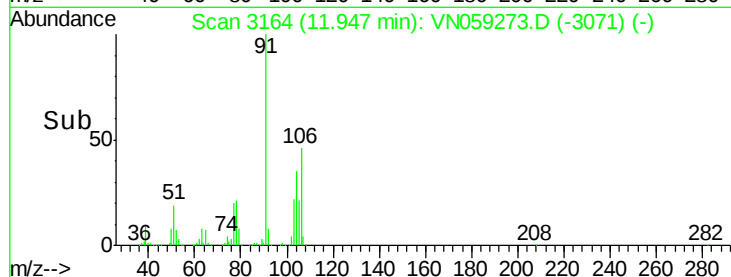
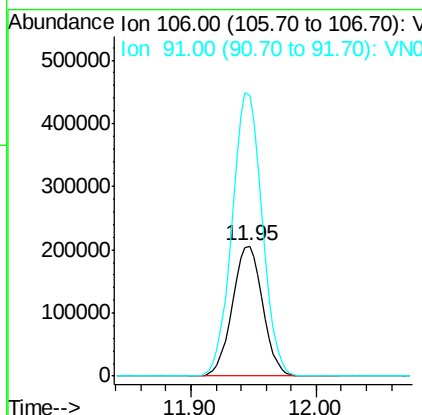
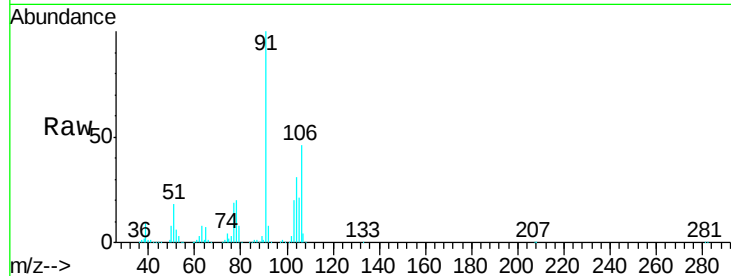




#69
o-Xylene
Concen: 55.597 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

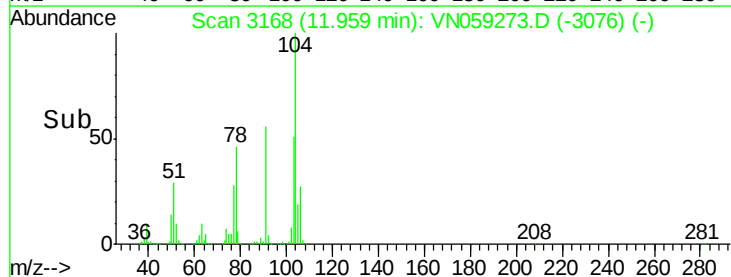
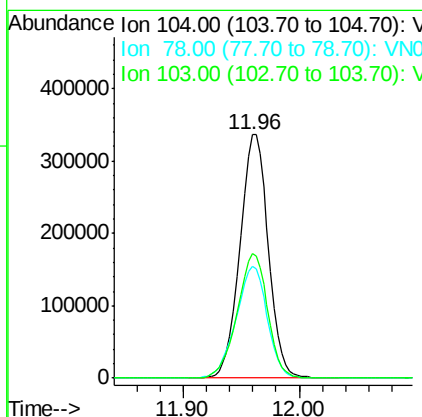
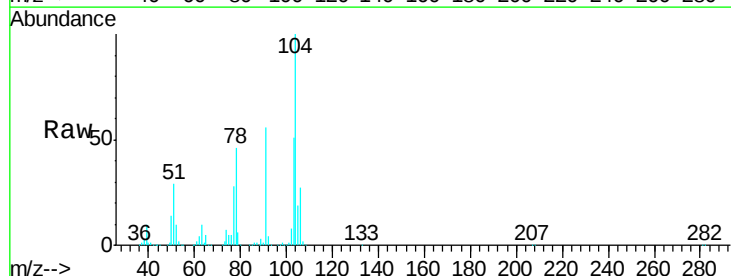
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

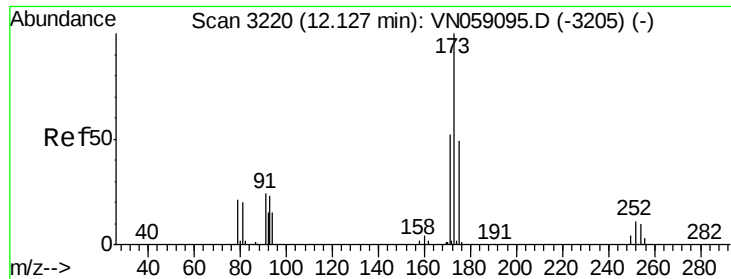
Tgt Ion:106 Resp: 345104
Ion Ratio Lower Upper
106 100
91 216.8 110.1 330.3



#70
Styrene
Concen: 58.533 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion:104 Resp: 571424
Ion Ratio Lower Upper
104 100
78 50.5 41.2 61.8
103 54.8 43.8 65.6





#71

Bromoform

Concen: 57.425 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

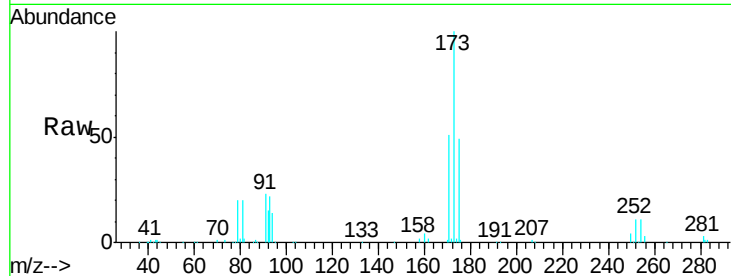
Tgt Ion:173 Resp: 161936

Ion Ratio Lower Upper

173 100

175 48.3 24.2 72.6

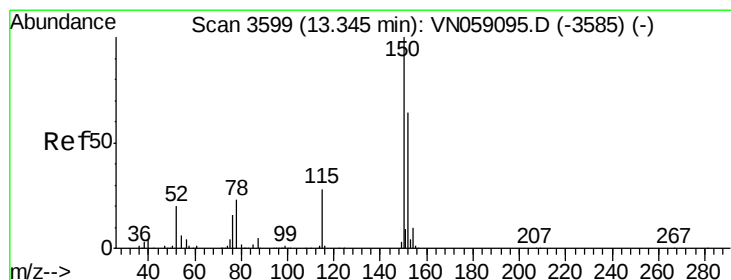
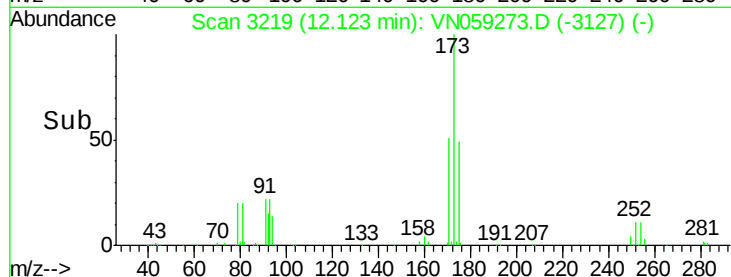
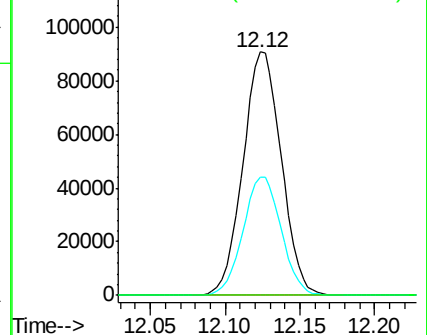
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

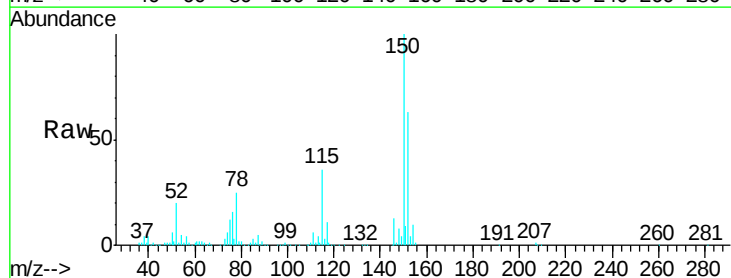
Tgt Ion:152 Resp: 243661

Ion Ratio Lower Upper

152 100

115 58.5 29.4 88.2

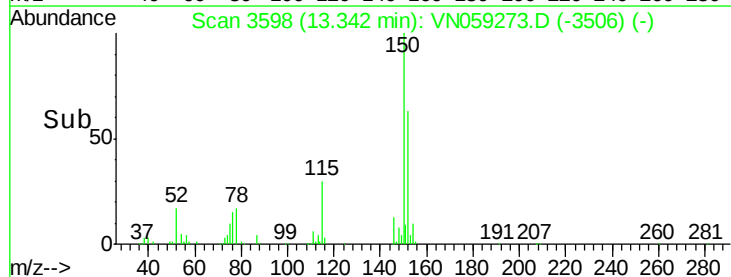
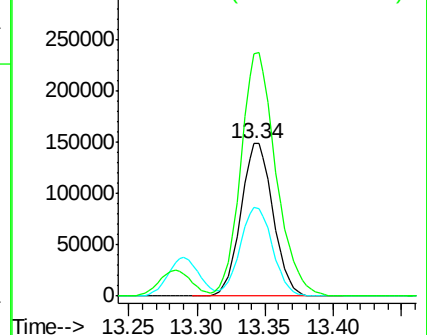
150 173.9 0.0 345.8

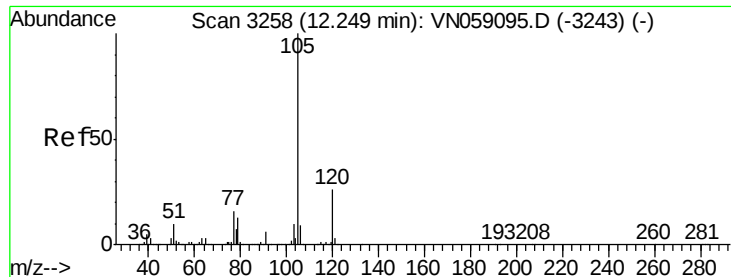


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.599 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

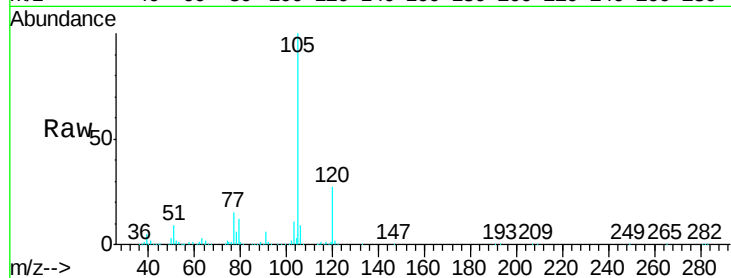
VSTDCCC050

Tgt Ion: 105 Resp: 932270

Ion Ratio Lower Upper

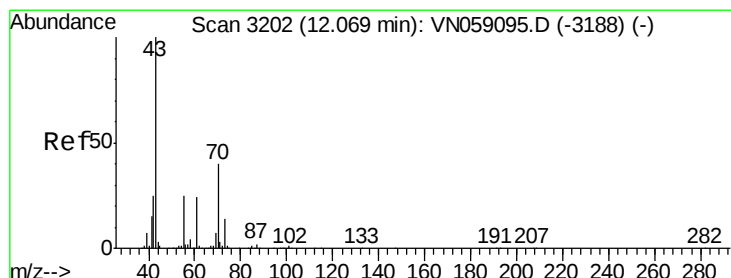
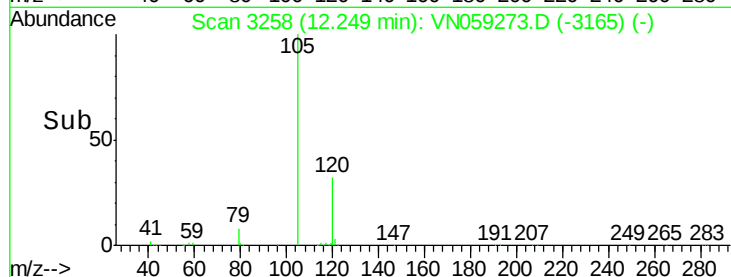
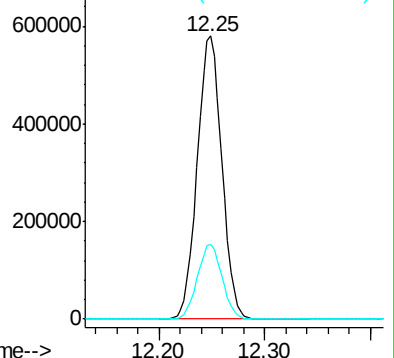
105 100

120 26.5 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.302 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Tgt Ion: 43 Resp: 392803

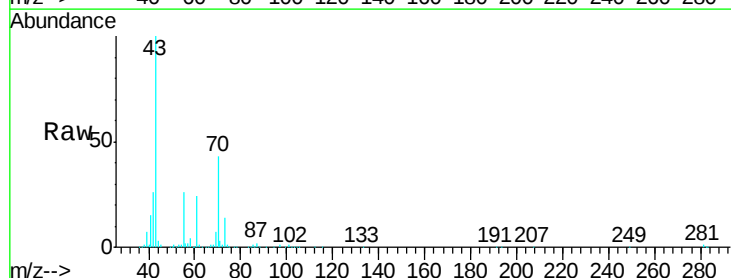
Ion Ratio Lower Upper

43 100

70 42.8 32.2 48.4

55 26.5 20.4 30.6

61 24.6 19.3 28.9

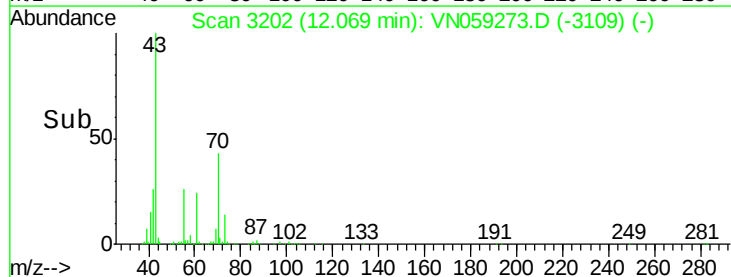
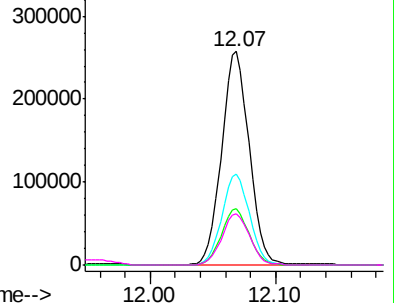


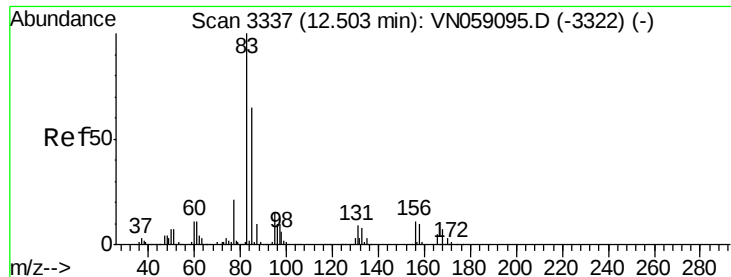
Abundance Ion 43.00 (42.70 to 43.70): V

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: 52.324 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

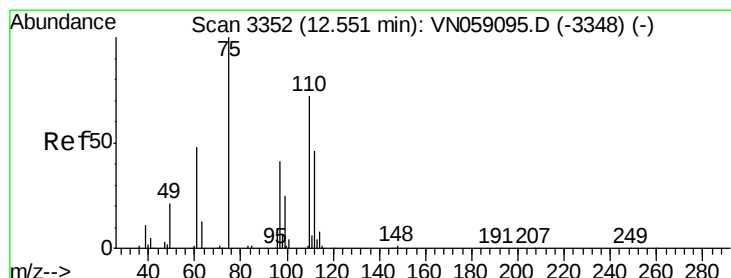
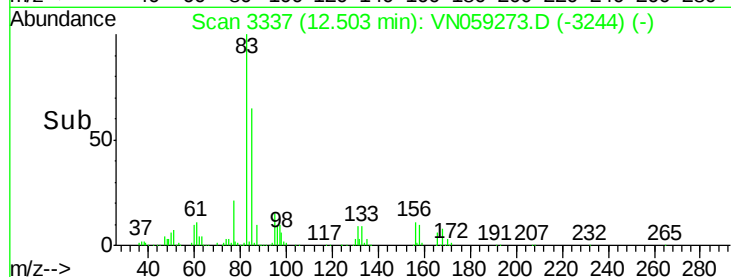
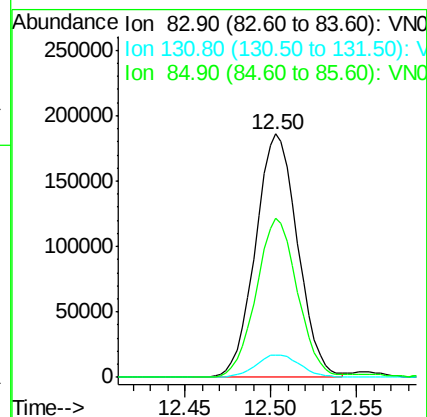
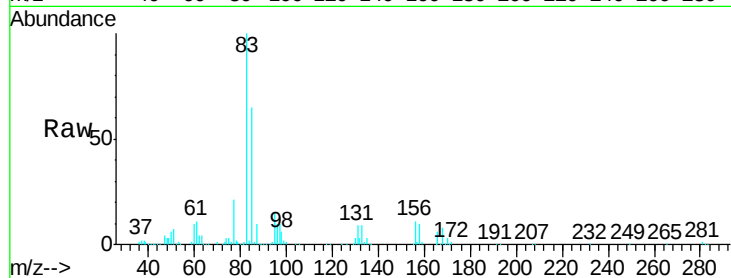
Tgt Ion: 83 Resp: 315817

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

85 64.0 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 75.228 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059273.D

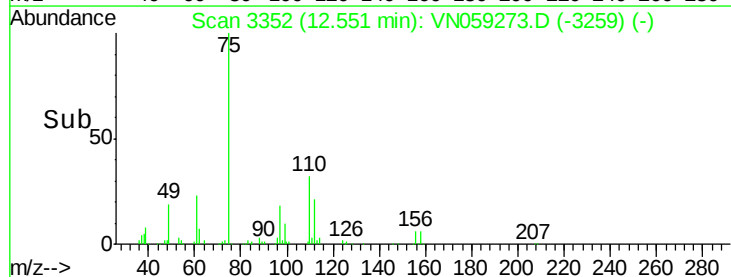
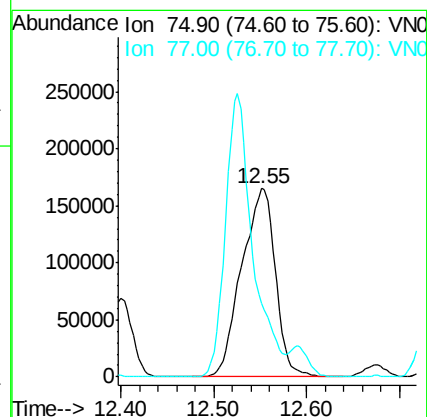
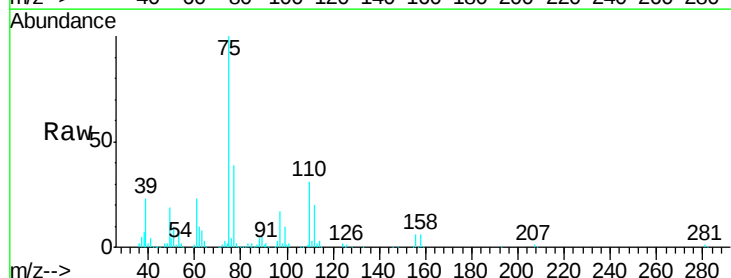
Acq: 18 Nov 2019 10:47

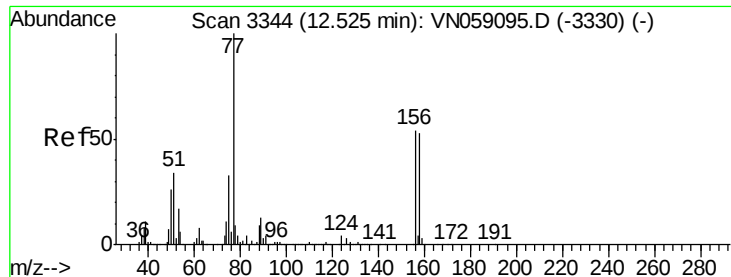
Tgt Ion: 75 Resp: 417317

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

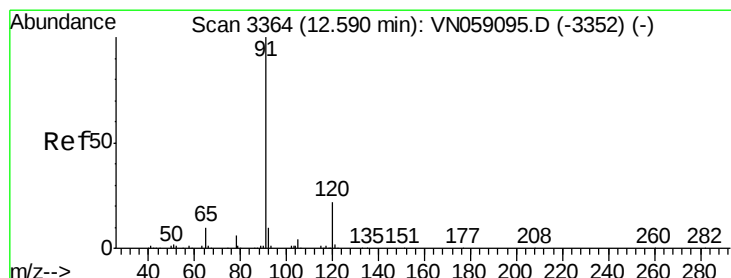
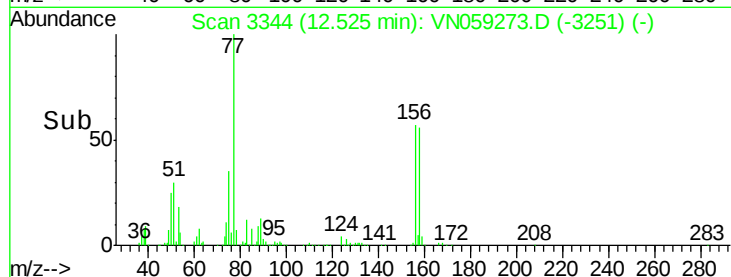
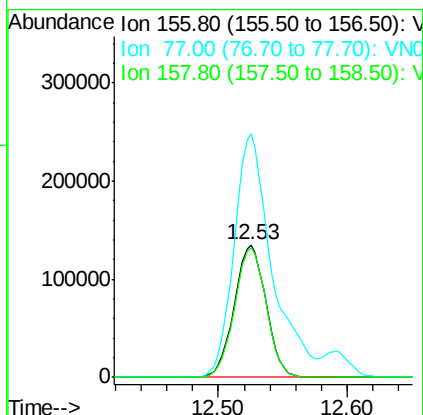
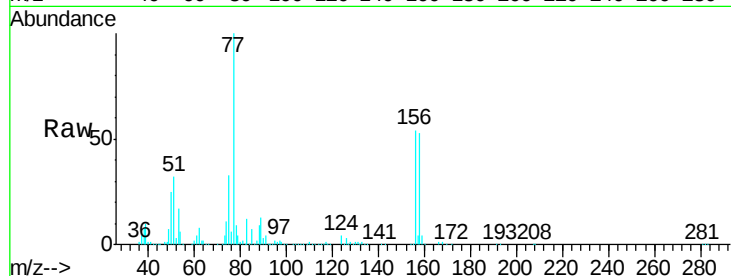




#77
Bromobenzene
Concen: 51.705 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

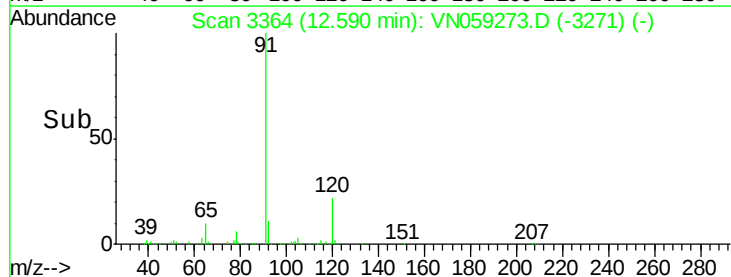
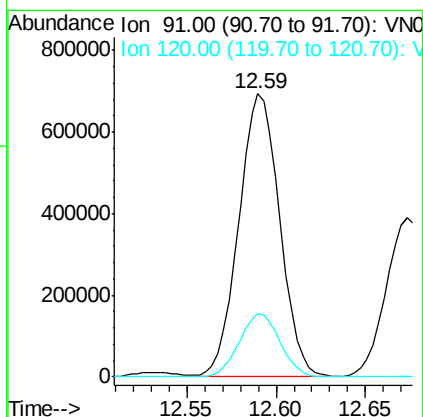
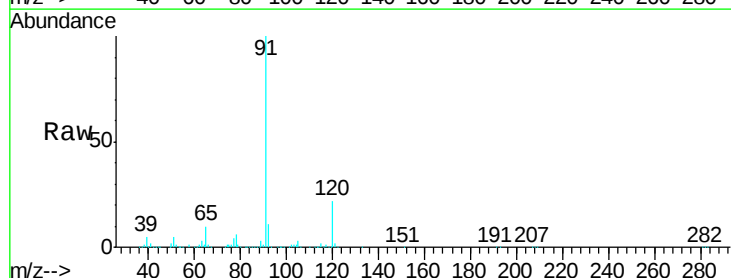
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

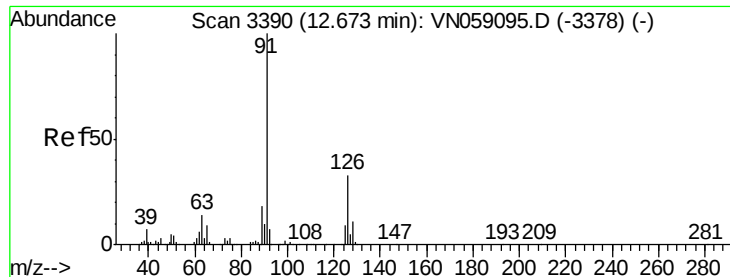
Tgt Ion:156 Resp: 230244
Ion Ratio Lower Upper
156 100
77 220.4 112.8 338.3
158 97.1 48.4 145.3



#78
n-propylbenzene
Concen: 54.179 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion: 91 Resp: 1099497
Ion Ratio Lower Upper
91 100
120 22.5 11.2 33.5

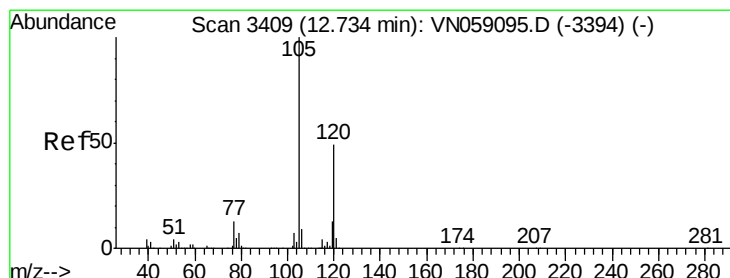
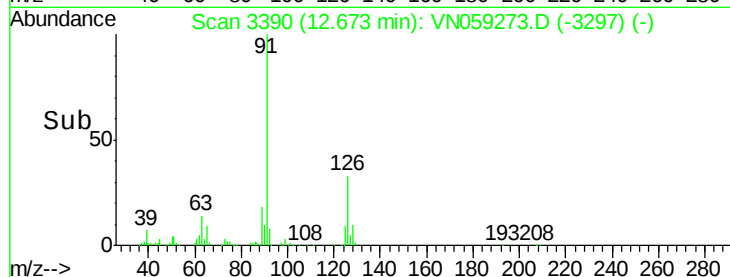
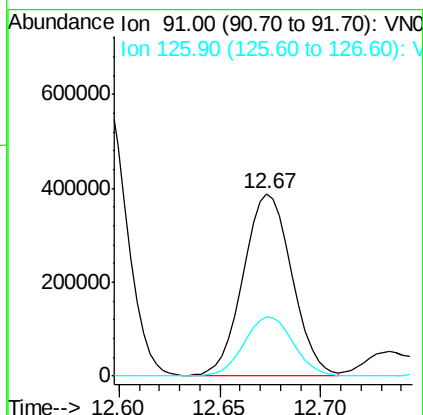
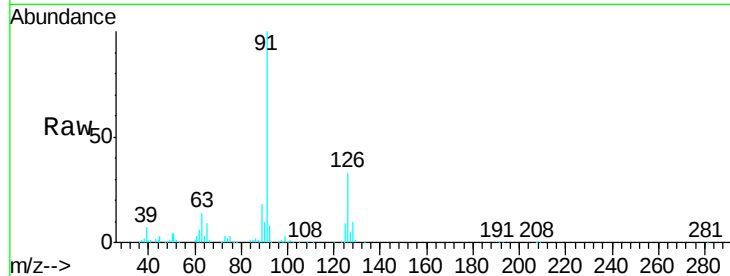




#79
 2-Chlorotoluene
 Concen: 51.821 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

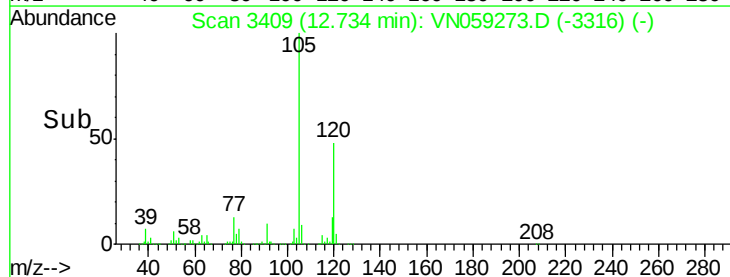
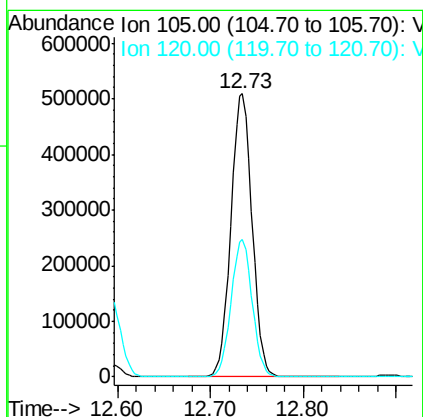
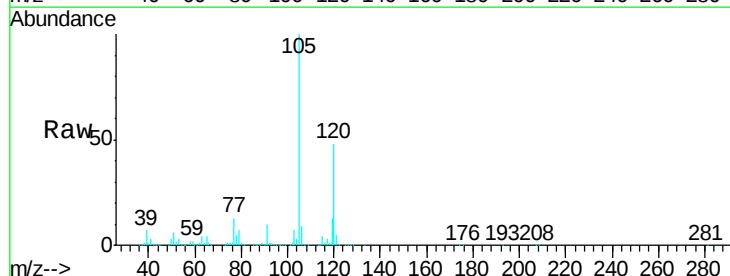
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 652394
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 53.546 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Tgt Ion: 105 Resp: 804178
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.540 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

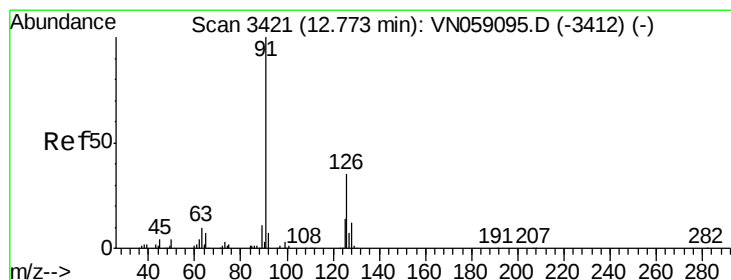
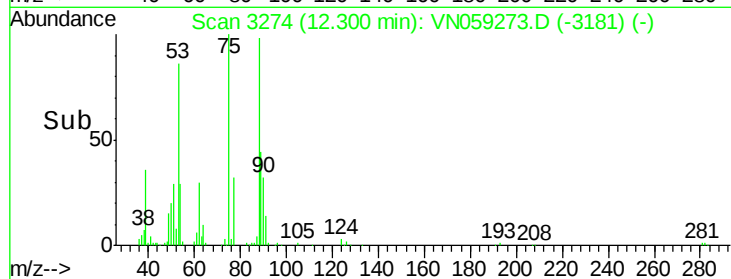
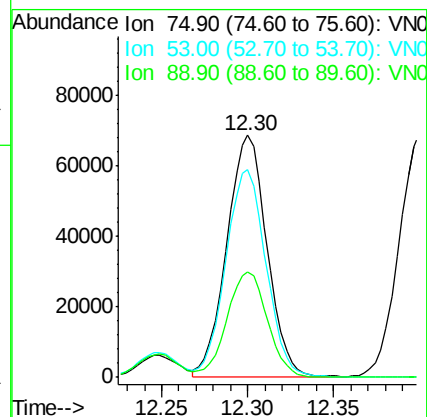
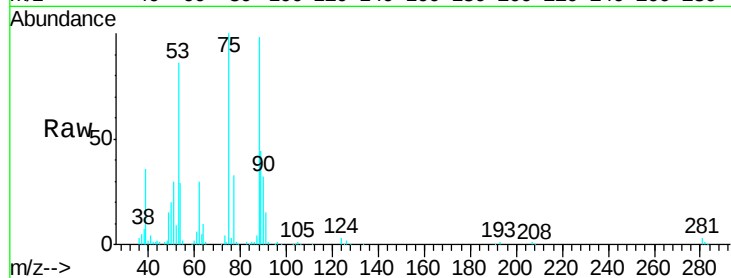
Tgt Ion: 75 Resp: 110347

Ion Ratio Lower Upper

75 100

53 86.7 72.2 108.2

89 44.2 35.8 53.8



#82

4-Chlorotoluene

Concen: 53.049 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059273.D

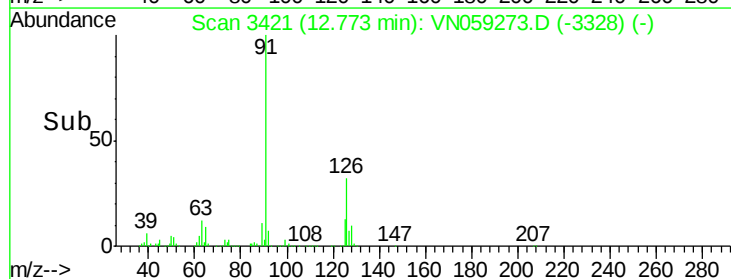
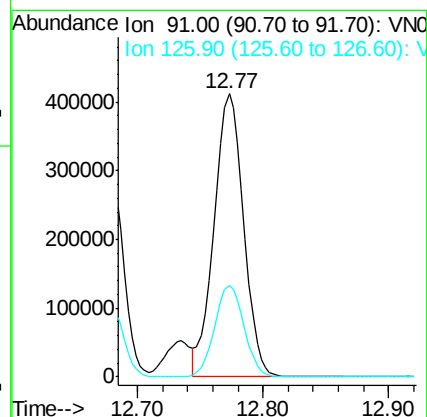
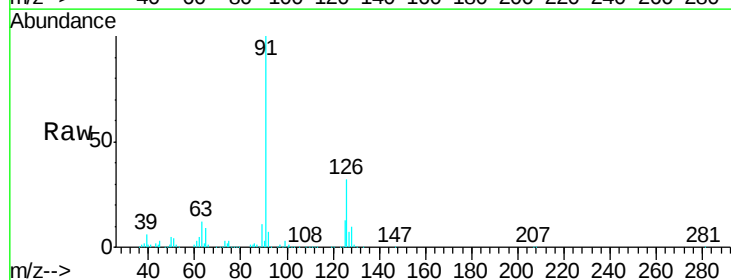
Acq: 18 Nov 2019 10:47

Tgt Ion: 91 Resp: 669840

Ion Ratio Lower Upper

91 100

126 32.4 16.1 48.2

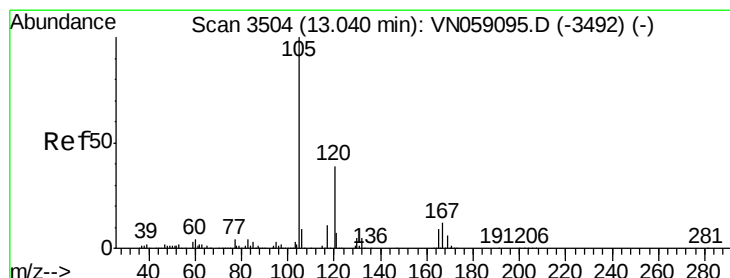
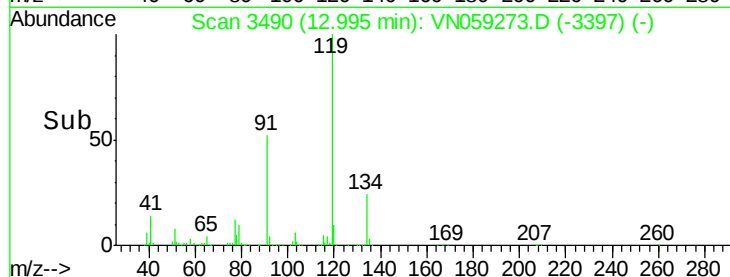
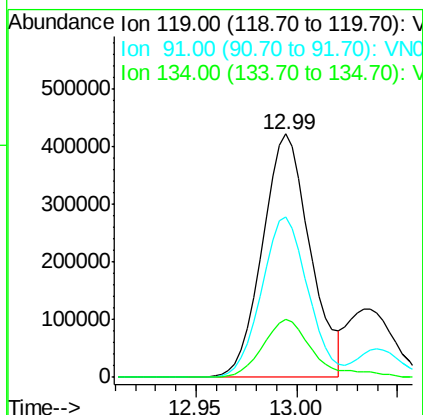
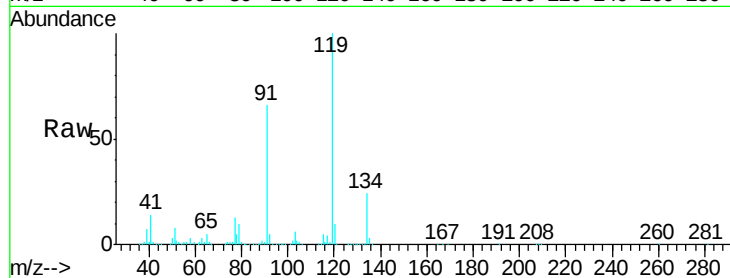




#83
 tert-Butylbenzene
 Concen: 53.420 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

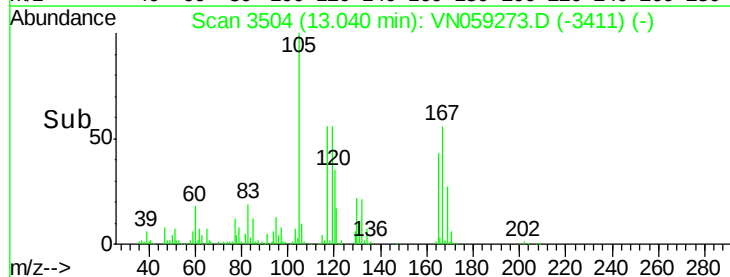
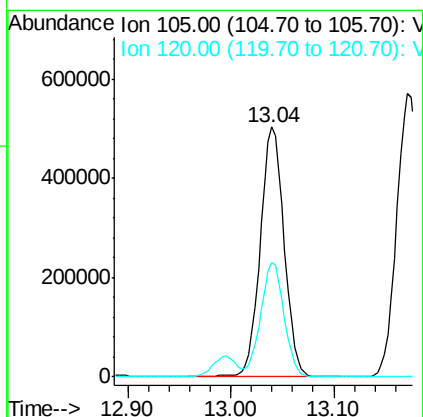
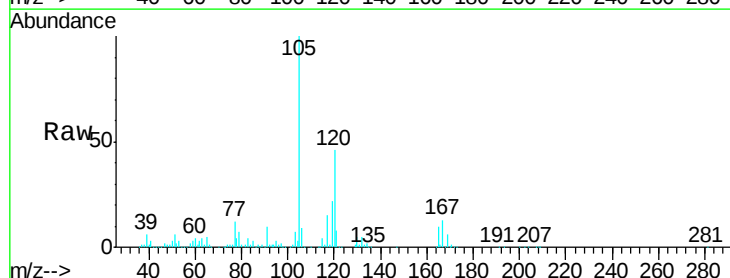
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 692834
 Ion Ratio Lower Upper
 119 100
 91 64.5 33.2 99.6
 134 25.3 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 55.269 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Tgt Ion:105 Resp: 803079
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.8 68.4

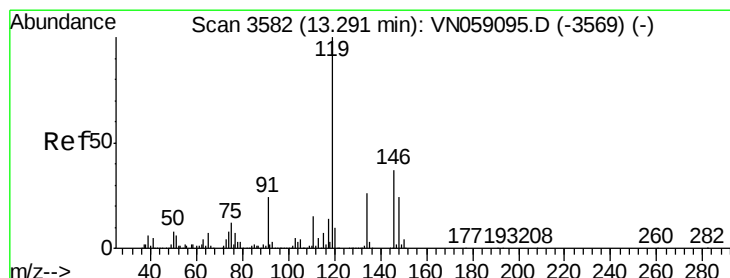
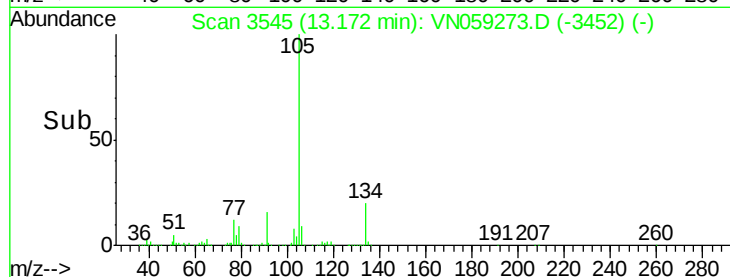
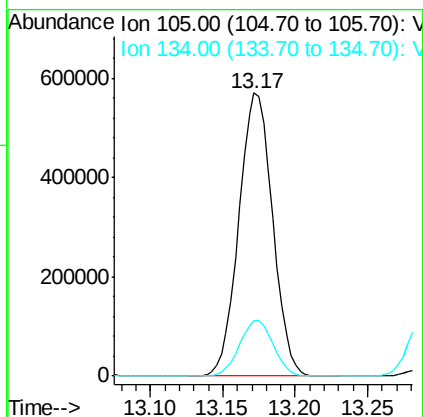
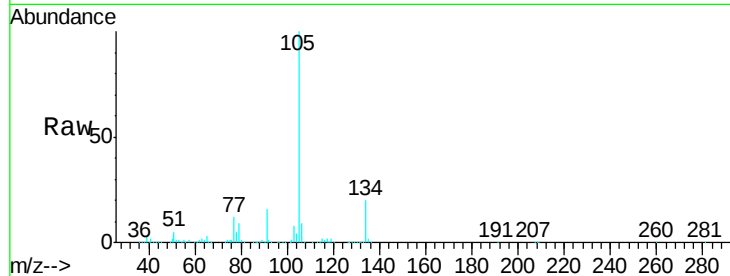




#85
 sec-Butylbenzene
 Concen: 54.549 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

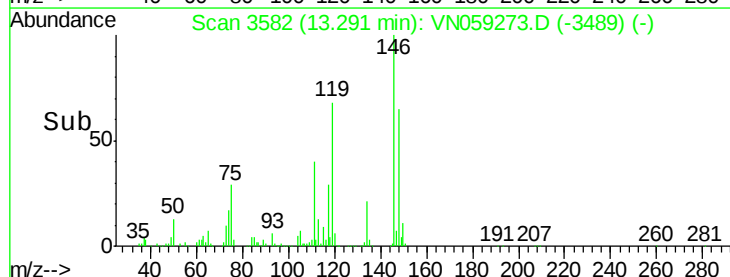
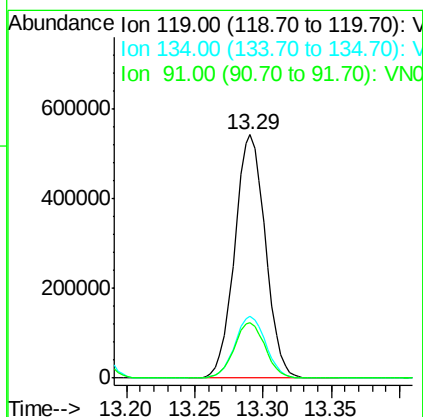
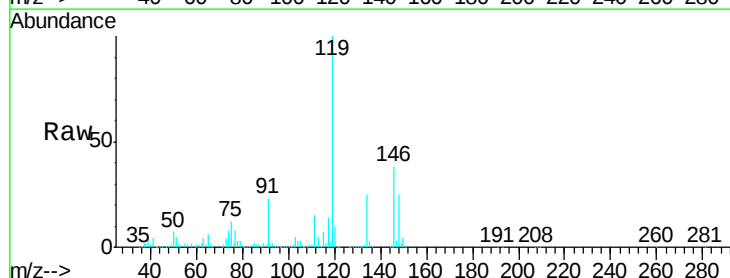
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 920116
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 56.438 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Tgt Ion:119 Resp: 840558
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.0 38.9
 91 22.8 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 54.595 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

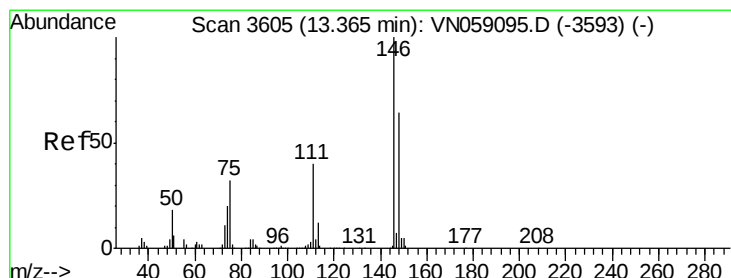
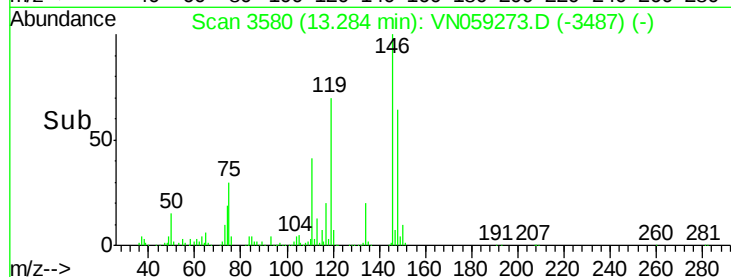
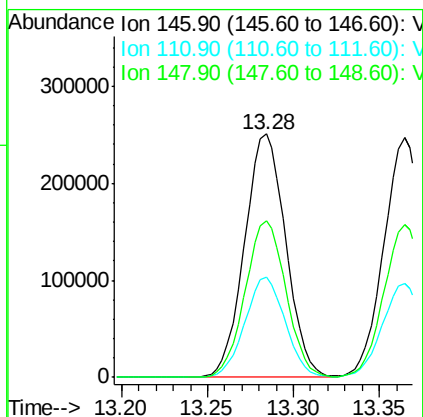
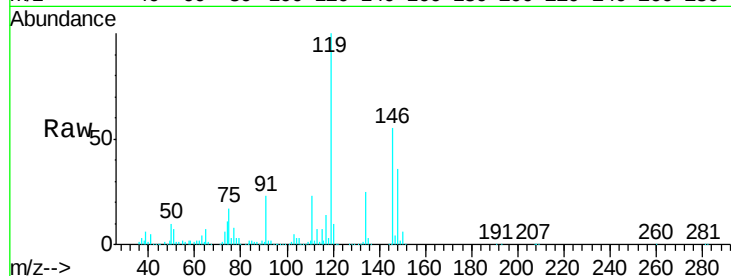
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	416306
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.3
148	63.7	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 53.105 ug/l

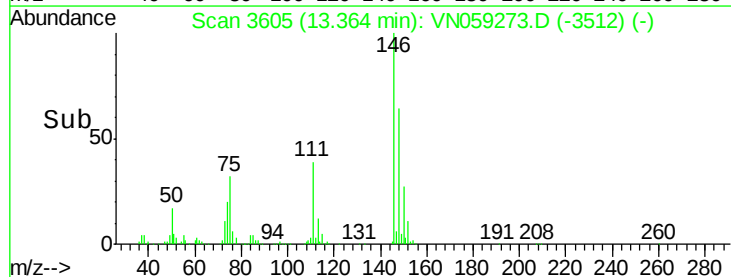
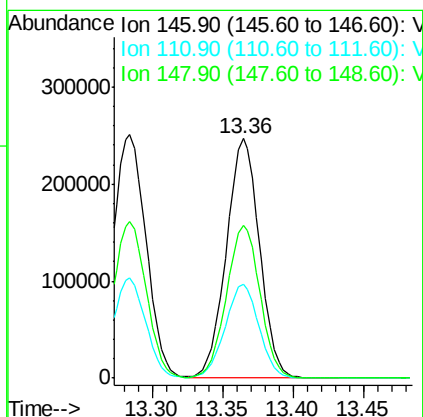
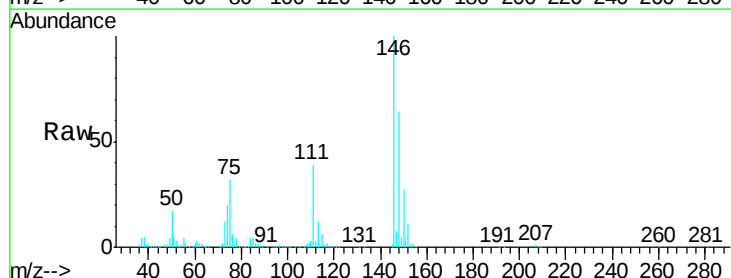
RT: 13.36 min Scan# 3605

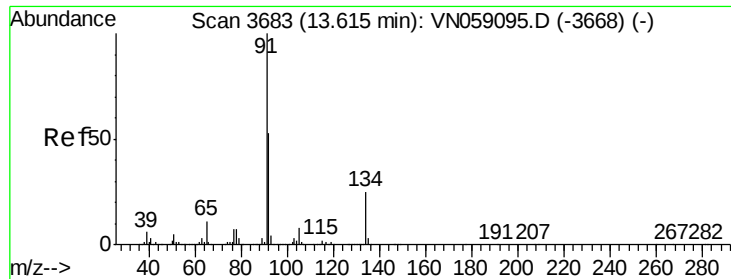
Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Tgt Ion:	146	Resp:	405161
Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.9
148	64.3	31.9	95.7

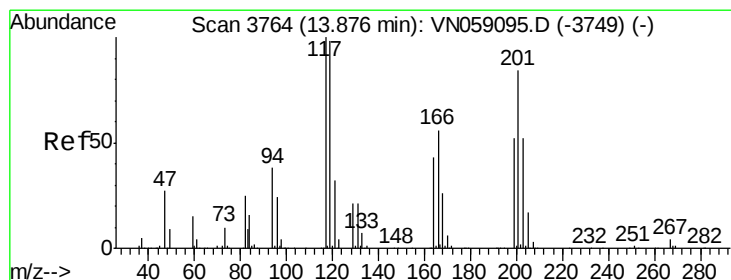
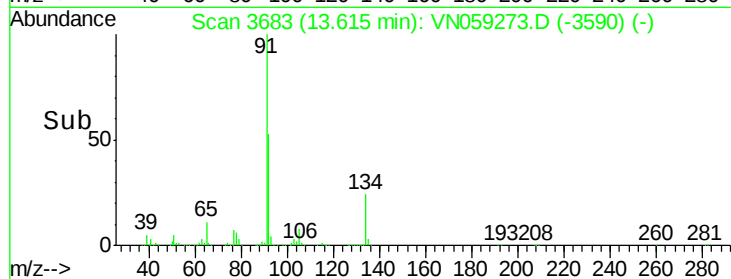
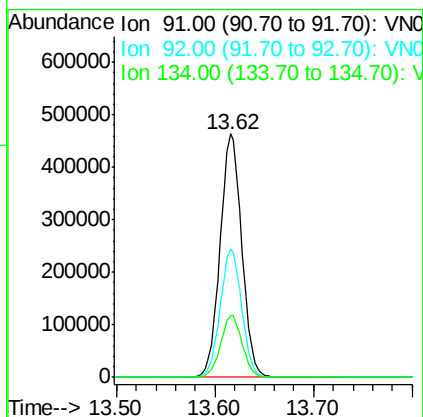
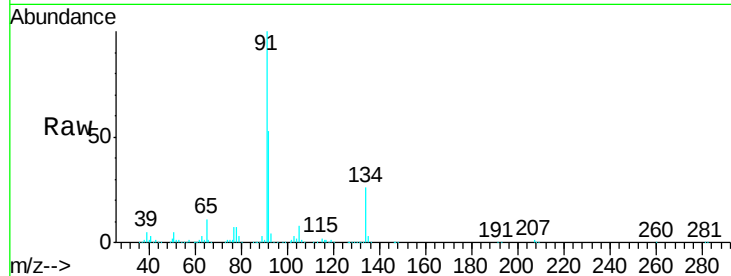




#89
n-Butylbenzene
Concen: 54.960 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

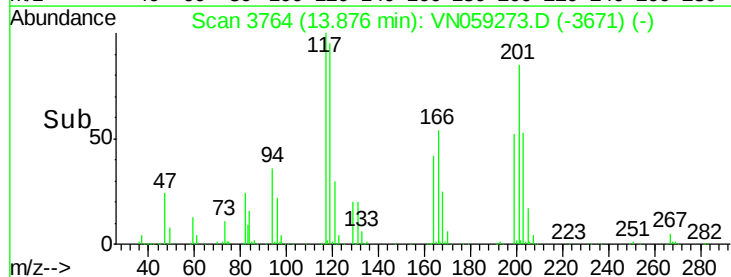
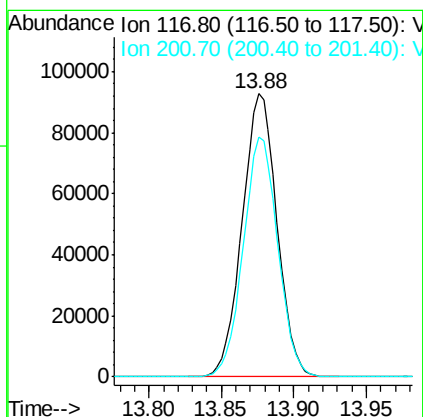
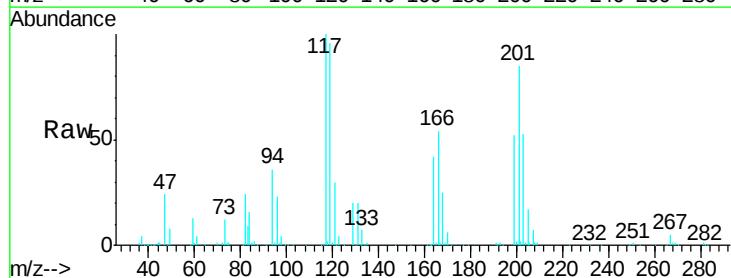
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

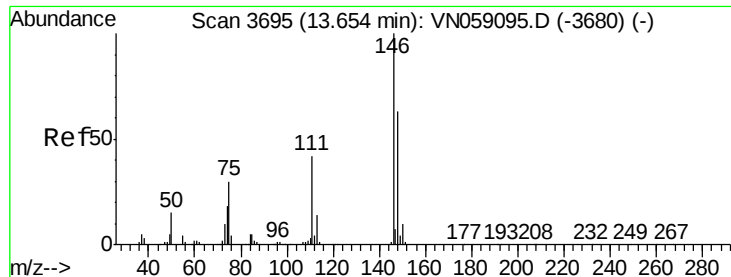
Tgt Ion: 91 Resp: 716425
Ion Ratio Lower Upper
91 100
92 52.3 26.1 78.3
134 25.3 12.6 37.8



#90
Hexachloroethane
Concen: 51.817 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion: 117 Resp: 154968
Ion Ratio Lower Upper
117 100
201 84.1 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 54.317 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

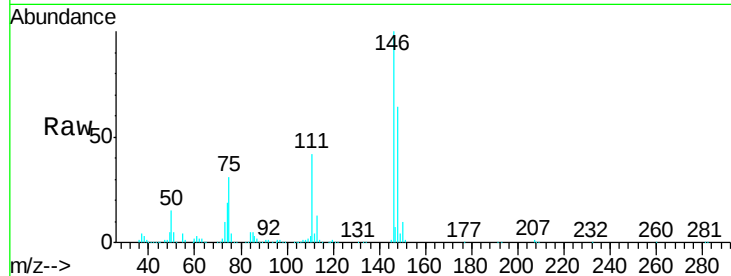
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

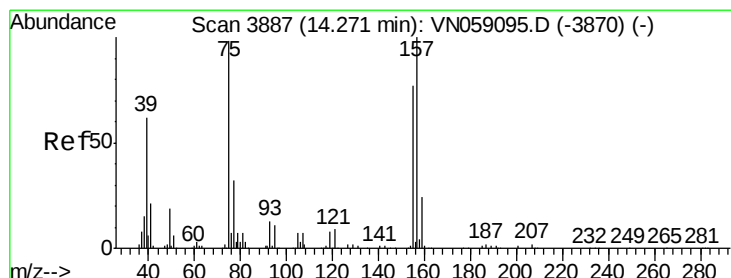
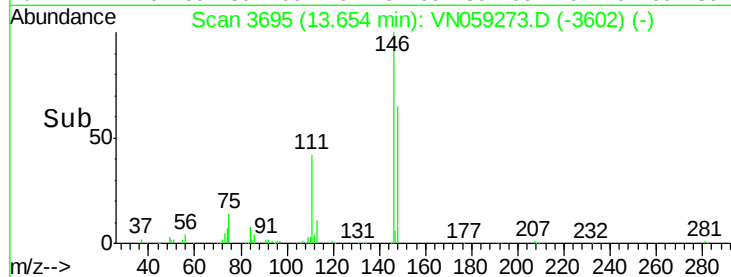
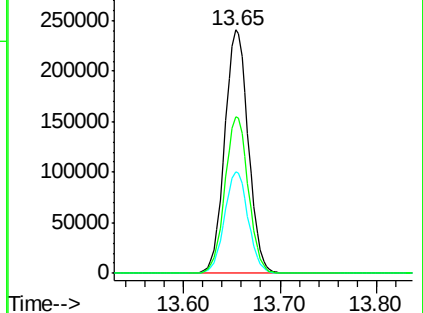
Tgt Ion:	146	Resp:	407440
Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	63.9	31.6	94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.562 ug/l

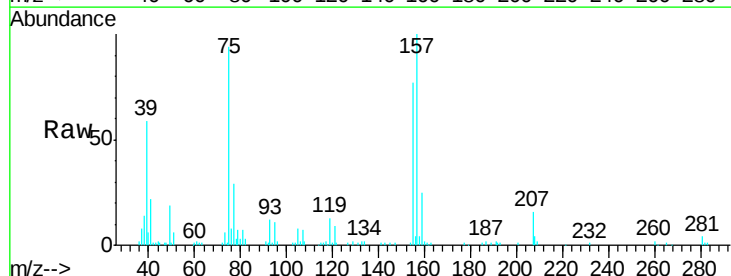
RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

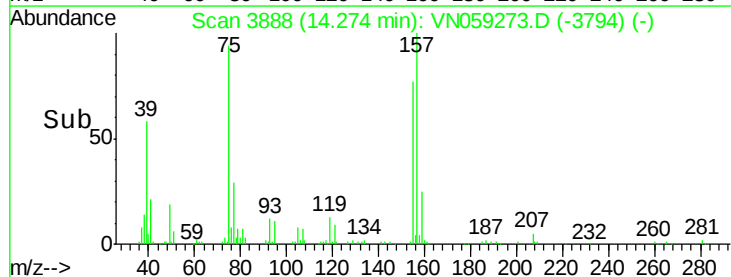
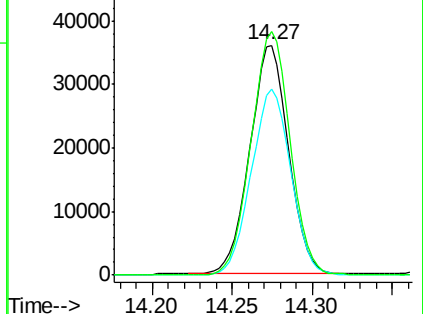
Tgt Ion:	75	Resp:	59683
Ion	Ratio	Lower	Upper
75	100		
155	83.0	40.2	120.6
157	107.4	51.8	155.5



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

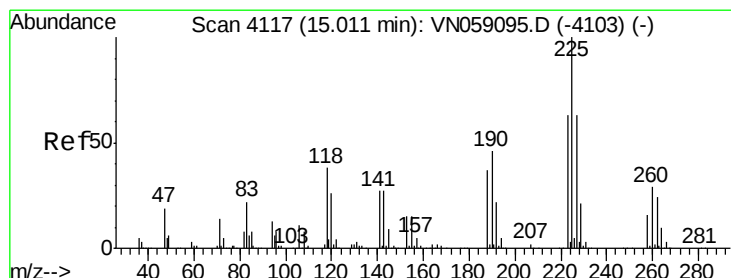
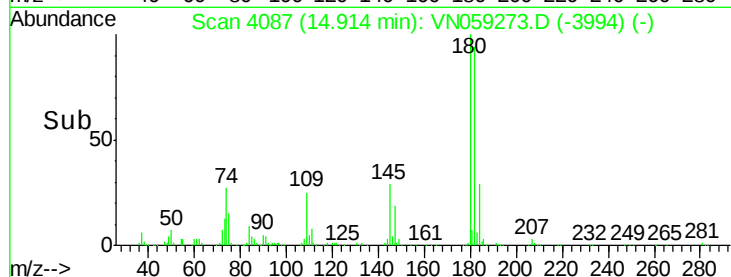
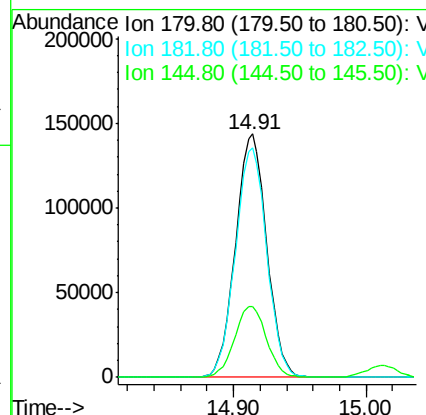
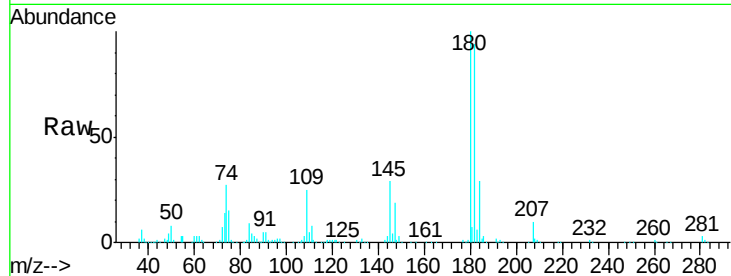




#93
 1,2,4-Trichlorobenzene
 Concen: 51.348 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

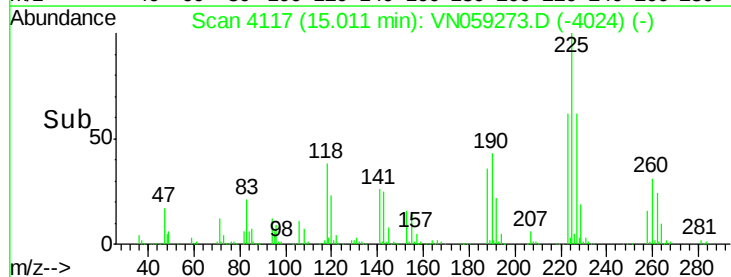
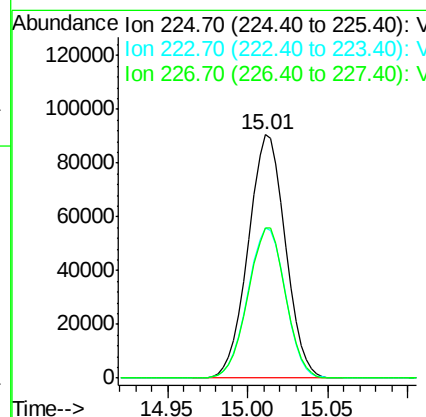
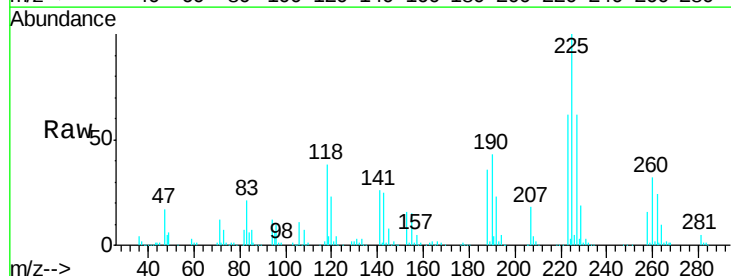
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

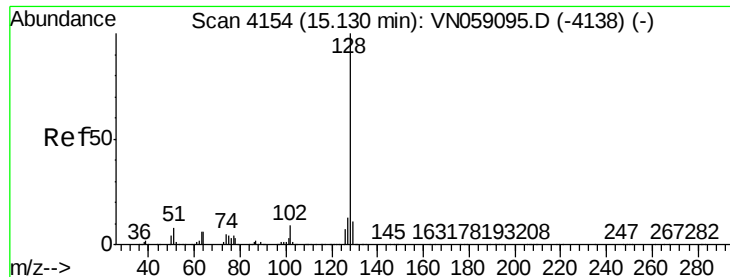
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.1	144.3
145	29.8	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 55.494 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.3	93.9
227	62.3	31.5	94.5





#95

Naphthalene

Concen: 48.475 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

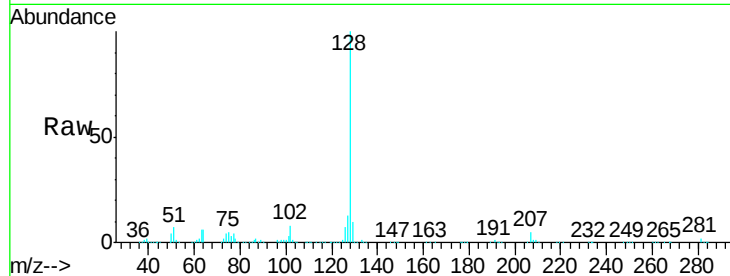
Tgt Ion:128 Resp: 610820

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

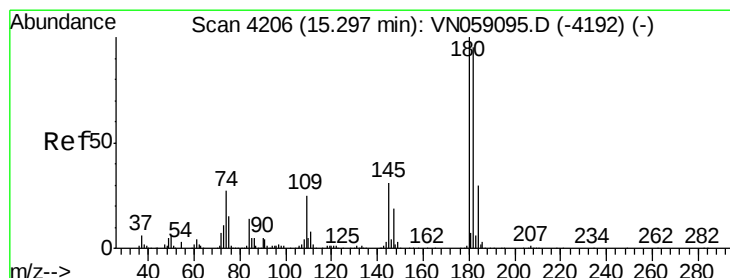
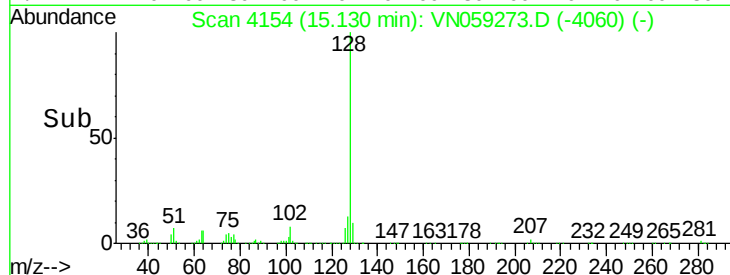
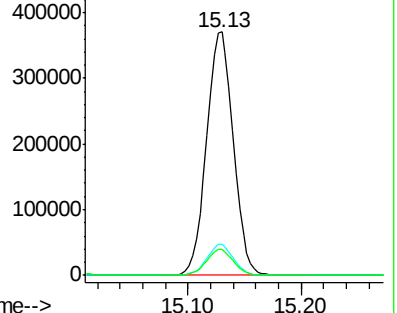
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 55.259 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

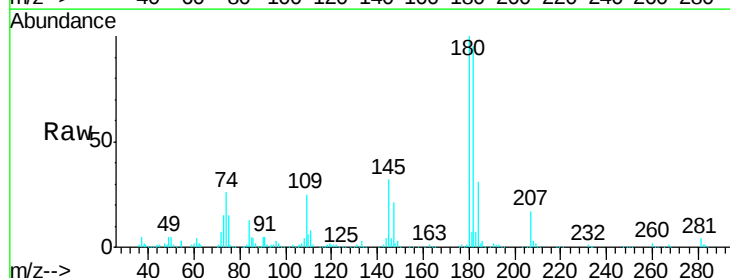
Tgt Ion:180 Resp: 232298

Ion Ratio Lower Upper

180 100

182 96.0 47.3 141.8

145 31.7 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

