

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
 Data File : VN058642.D
 Acq On : 9 Oct 2019 15:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 10 04:38:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	444462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	713707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	672592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	321047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	265425	40.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.74%	
35) Dibromofluoromethane	7.57	113	197688	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	
50) Toluene-d8	10.08	98	759066	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
62) 4-Bromofluorobenzene	12.41	95	294397	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	203698	41.797	ug/l	98
3) Chloromethane	2.04	50	257831	48.122	ug/l	99
4) Vinyl Chloride	2.17	62	258250	49.204	ug/l	99
5) Bromomethane	2.51	94	134519	48.252	ug/l	96
6) Chloroethane	2.66	64	163371	51.949	ug/l	98
7) Trichlorofluoromethane	2.99	101	323543	51.082	ug/l	99
8) Diethyl Ether	3.38	74	121591	44.493	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	190404	44.264	ug/l	98
10) Methyl Iodide	3.92	142	203194	42.601	ug/l	99
11) Tert butyl alcohol	4.76	59	182776	253.309	ug/l	99
12) 1,1-Dichloroethene	3.71	96	173579	41.399	ug/l	97
13) Acrolein	3.58	56	52053	226.814	ug/l	99
14) Allyl chloride	4.29	41	350791	45.974	ug/l	95
15) Acrylonitrile	4.96	53	503214	239.293	ug/l	100
16) Acetone	3.79	43	570458	257.646	ug/l	98
17) Carbon Disulfide	4.02	76	479253	43.362	ug/l	99
18) Methyl Acetate	4.29	43	261462	46.952	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	671038	45.359	ug/l	97
20) Methylene Chloride	4.52	84	222312	43.509	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	196618	42.170	ug/l	99
22) Diisopropyl ether	5.92	45	759510	46.256	ug/l	99
23) Vinyl Acetate	5.87	43	3014364	243.473	ug/l	99
24) 1,1-Dichloroethane	5.82	63	417941	45.227	ug/l	100
25) 2-Butanone	6.81	43	723078	237.862	ug/l	99
26) 2,2-Dichloropropane	6.80	77	372819	49.074	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	238246	43.720	ug/l	100
28) Bromochloromethane	7.17	49	168450	45.603	ug/l	98
29) Tetrahydrofuran	7.19	42	435742	225.843	ug/l	99
30) Chloroform	7.35	83	419507	44.799	ug/l	99
31) Cyclohexane	7.63	56	357960	39.822	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	358443	46.613	ug/l	98
36) 1,1-Dichloropropene	7.77	75	302553	44.334	ug/l	99
37) Ethyl Acetate	6.90	43	283018	48.915	ug/l	99
38) Carbon Tetrachloride	7.75	117	310072	50.336	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	342129	42.930	ug/l	98
40) Benzene	8.02	78	907637	46.269	ug/l	98
41) Methacrylonitrile	7.18	41	407248	152.996	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	350539	45.931	ug/l	100
43) Isopropyl Acetate	8.15	43	492902	45.302	ug/l	99
44) Trichloroethene	8.82	130	226198	46.699	ug/l	96
45) 1,2-Dichloropropane	9.11	63	251592	47.822	ug/l	99
46) Dibromomethane	9.20	93	156669	47.023	ug/l	99
47) Bromodichloromethane	9.39	83	328615	52.057	ug/l	99
48) Methyl methacrylate	9.19	41	226862	45.791	ug/l	97
49) 1,4-Dioxane	9.19	88	82267	1241.849	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1472161	263.411	ug/l	99
52) Toluene	10.15	92	570780	46.227	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	374396	54.491	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	401168	52.599	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	224174	49.862	ug/l	98
56) Ethyl methacrylate	10.43	69	341619	50.076	ug/l	96
57) 1,3-Dichloropropane	10.71	76	397793	49.604	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	803430	295.350	ug/l	100
59) 2-Hexanone	10.75	43	1091113	268.119	ug/l	99
60) Dibromochloromethane	10.90	129	246196	52.913	ug/l	99
61) 1,2-Dibromoethane	11.00	107	224379	48.843	ug/l	98
64) Tetrachloroethene	10.63	164	204383	47.829	ug/l	99
65) Chlorobenzene	11.43	112	614955	45.997	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	235779	52.343	ug/l	99
67) Ethyl Benzene	11.51	91	1137385	46.968	ug/l	100
68) m/p-Xylenes	11.62	106	842847	92.508	ug/l	99
69) o-Xylene	11.95	106	406688	46.369	ug/l	100
70) Styrene	11.97	104	680565	47.764	ug/l	99
71) Bromoform	12.13	173	167370	53.714	ug/l #	99
73) Isopropylbenzene	12.25	105	1113966	46.951	ug/l	100
74) N-amyl acetate	12.07	43	440972	46.718	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	332452	47.386	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	435492	74.266	ug/l #	100
77) Bromobenzene	12.53	156	264670	47.575	ug/l	99
78) n-propylbenzene	12.60	91	1313776	49.150	ug/l	99
79) 2-Chlorotoluene	12.68	91	786023	47.641	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	960229	48.347	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	107792	55.829	ug/l	95
82) 4-Chlorotoluene	12.78	91	803563	47.731	ug/l	100
83) tert-Butylbenzene	13.00	119	800165	47.745	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	967829	48.637	ug/l	98
85) sec-Butylbenzene	13.18	105	1083710	49.129	ug/l	99
86) p-Isopropyltoluene	13.29	119	988062	50.887	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	488080	48.384	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	474755	47.303	ug/l	99
89) n-Butylbenzene	13.62	91	873232	49.648	ug/l	100
90) Hexachloroethane	13.88	117	168647	57.809	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	474549	48.960	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	63626	51.427	ug/l	96

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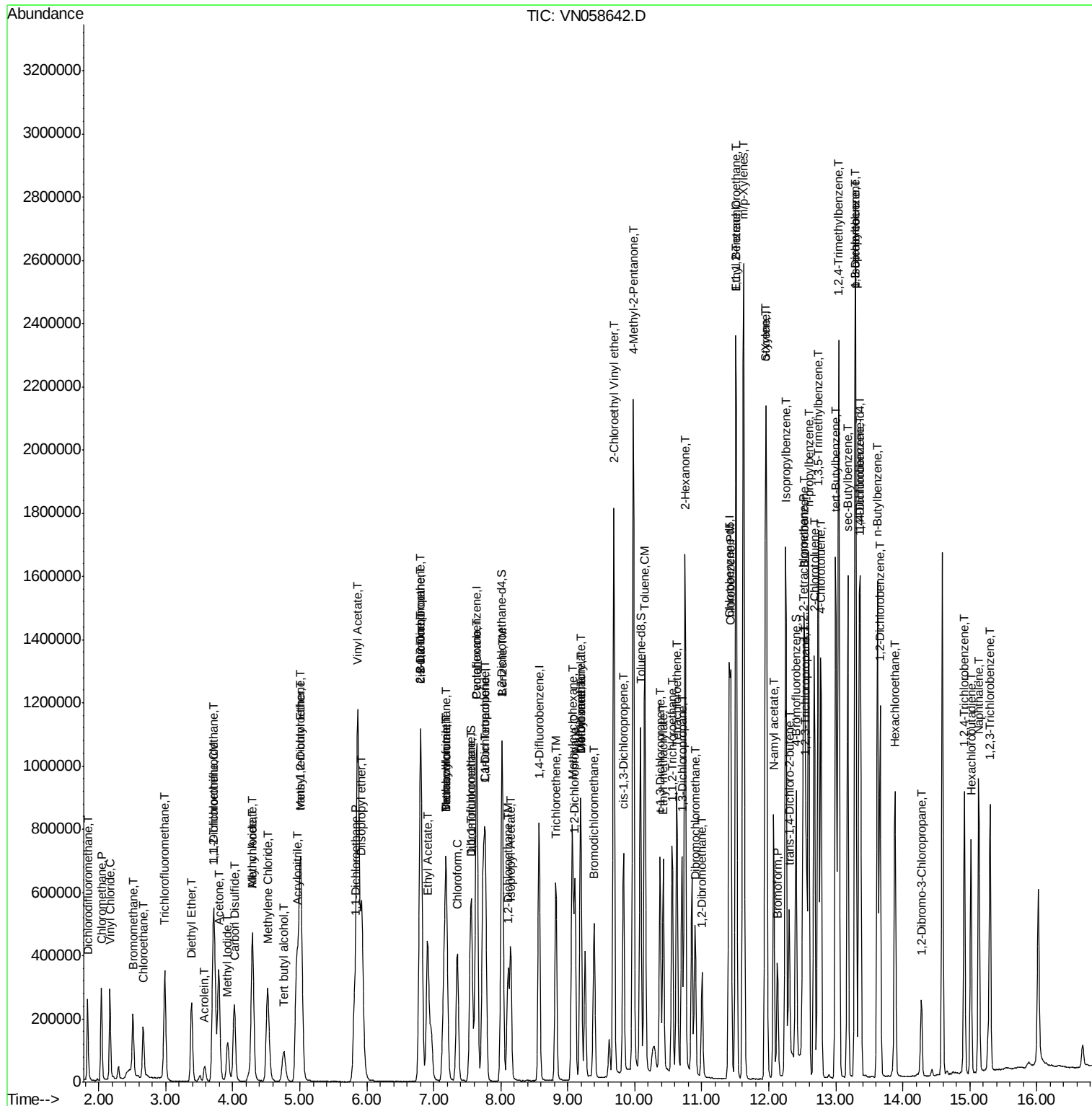
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	266716	49.797	ug/l	99
94) Hexachlorobutadiene	15.02	225	136704	49.657	ug/l	99
95) Naphthalene	15.13	128	714183	45.529	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	256316	47.732	ug/l	98

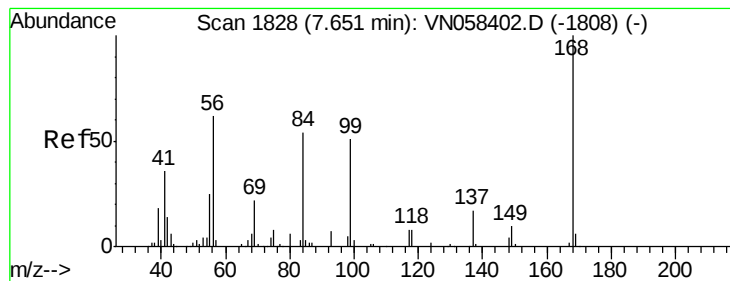
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

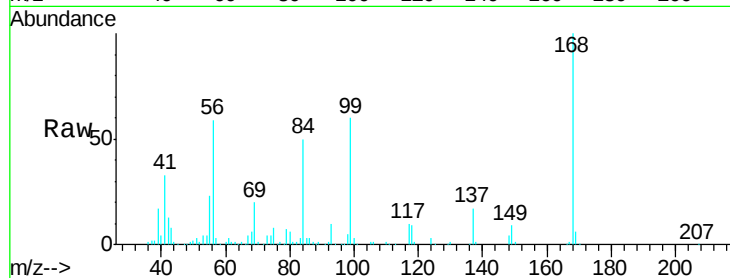
VSTDCCC050

Tgt Ion:168 Resp: 444462

Ion Ratio Lower Upper

168 100

99 60.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

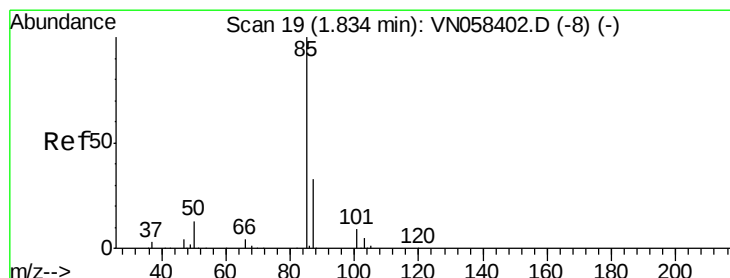
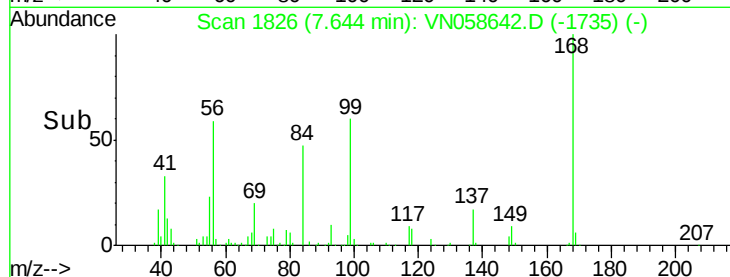
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 41.797 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058642.D

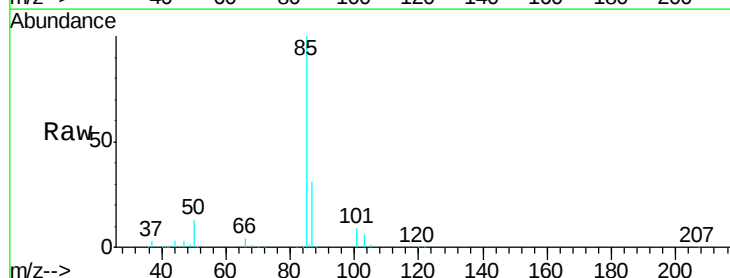
Acq: 9 Oct 2019 15:44

Tgt Ion: 85 Resp: 203698

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

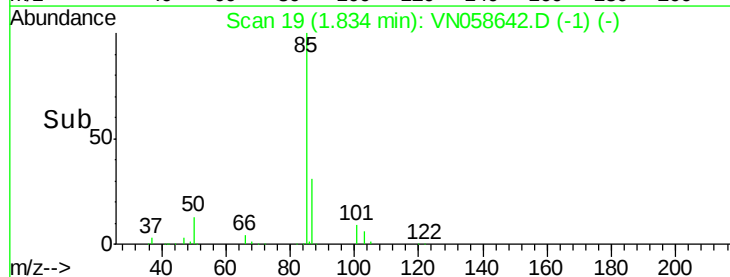
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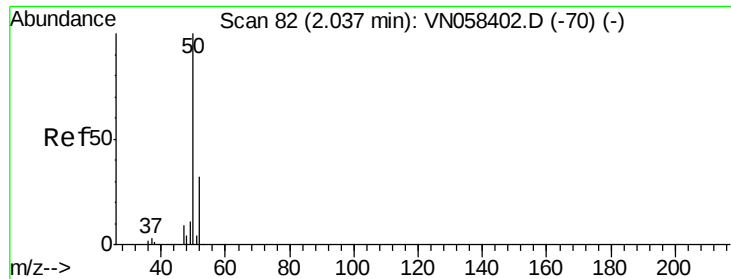
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.122 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

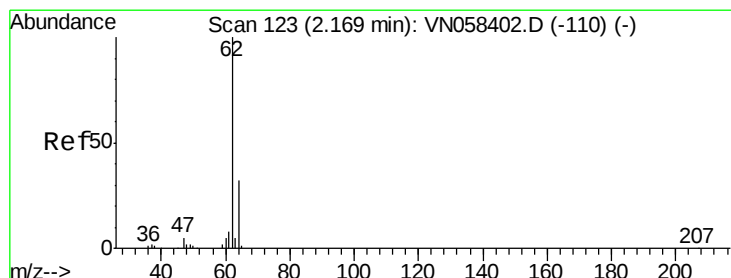
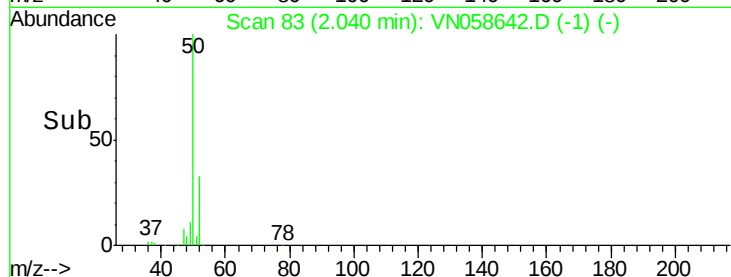
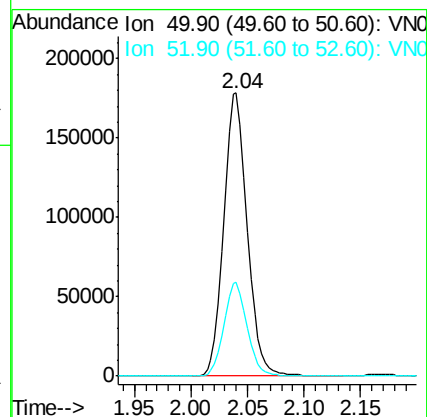
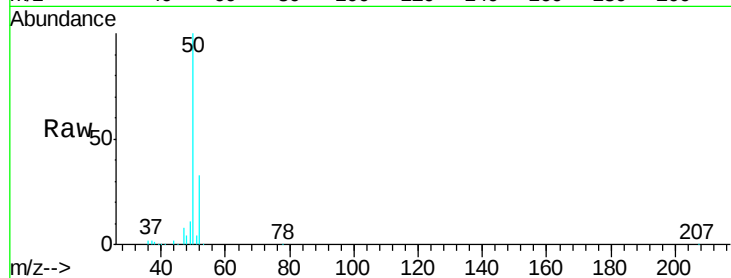
VSTDCCC050

Tgt Ion: 50 Resp: 257831

Ion Ratio Lower Upper

50 100

52 33.0 25.9 38.9



#4

Vinyl Chloride

Concen: 49.204 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058642.D

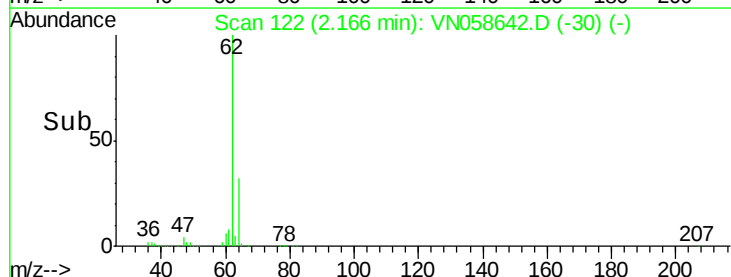
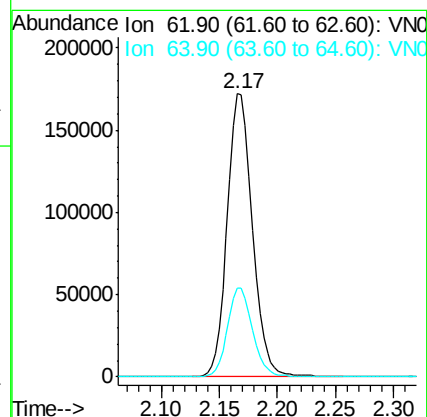
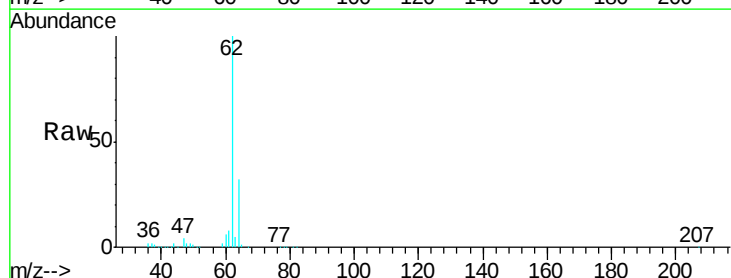
Acq: 9 Oct 2019 15:44

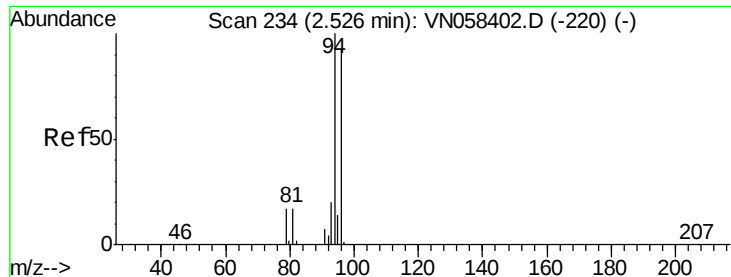
Tgt Ion: 62 Resp: 258250

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3





#5

Bromomethane

Concen: 48.252 ug/l

RT: 2.51 min Scan# 229

Delta R.T. -0.02 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

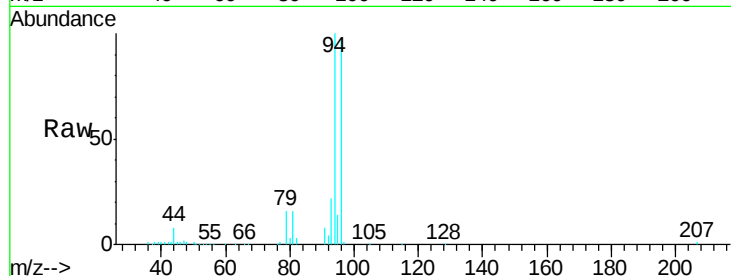
VSTDCCC050

Tgt Ion: 94 Resp: 134519

Ion Ratio Lower Upper

94 100

96 97.3 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.51

80000

60000

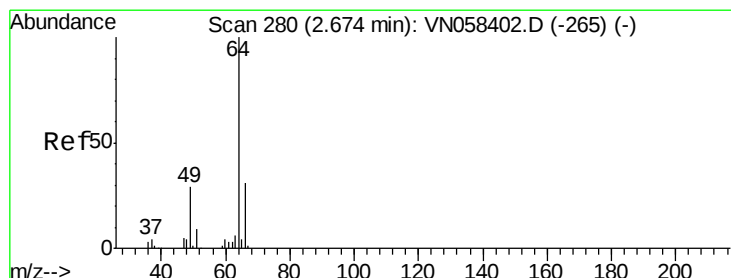
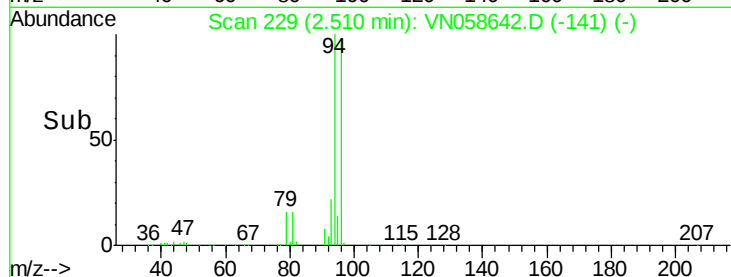
40000

20000

0

Time-->

2.45 2.50 2.55



#6

Chloroethane

Concen: 51.949 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.01 min

Lab File: VN058642.D

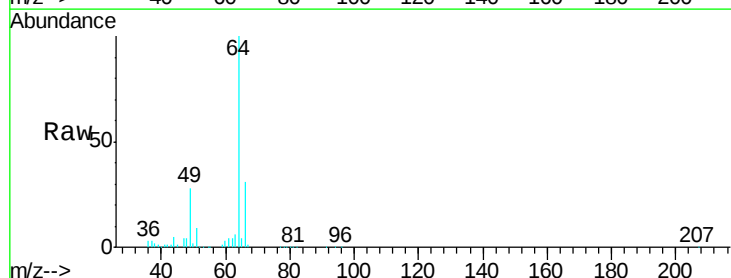
Acq: 9 Oct 2019 15:44

Tgt Ion: 64 Resp: 163371

Ion Ratio Lower Upper

64 100

66 31.4 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.66

80000

60000

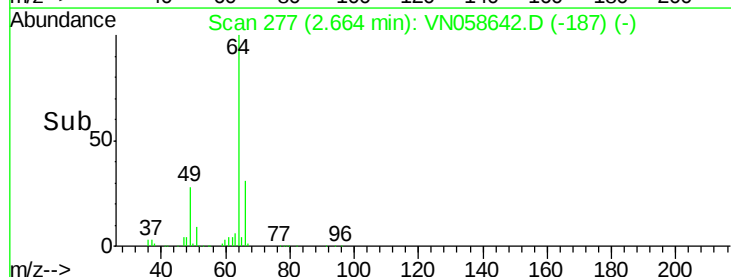
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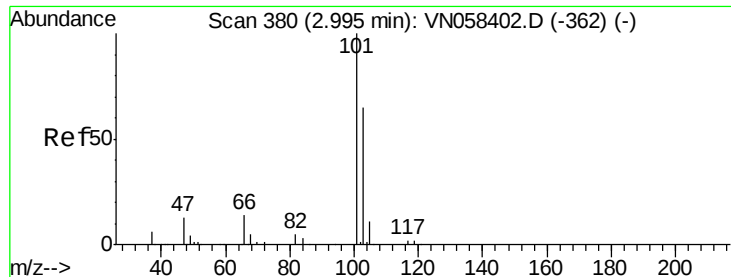
20000

0

Time-->

2.60 2.70 2.80



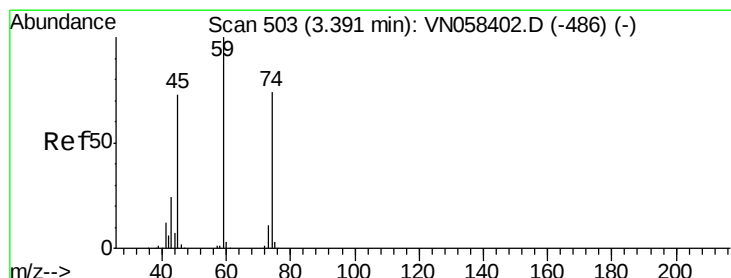
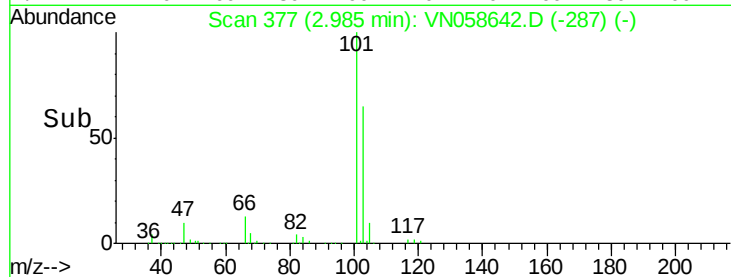
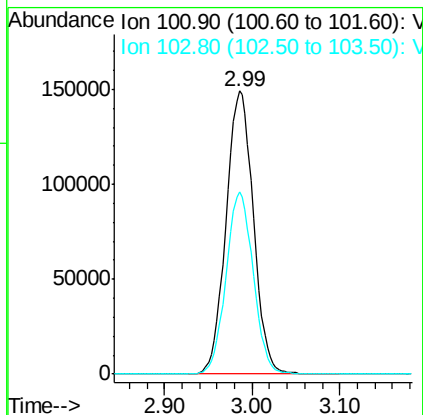
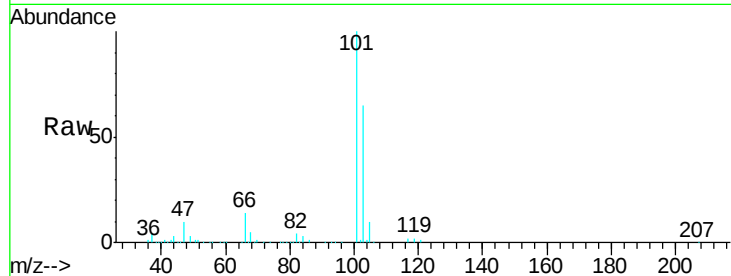


#7

Trichlorofluoromethane
 Concen: 51.082 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. -0.01 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Instrument :
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 VSTDCCC050

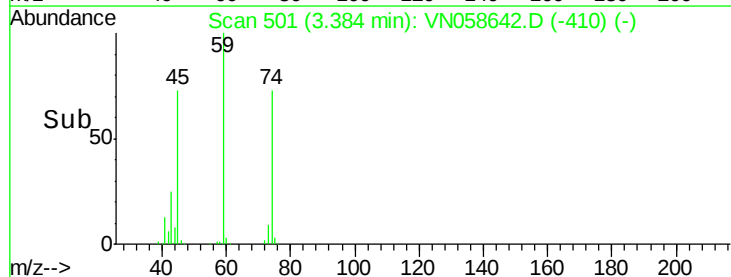
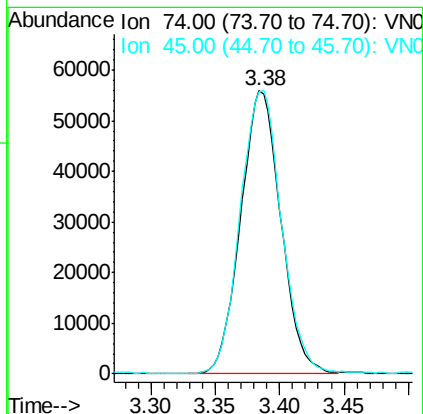
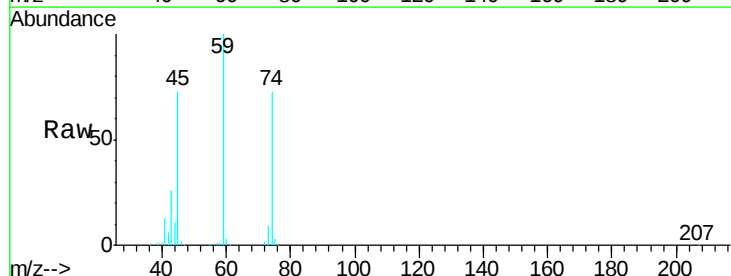
Tgt Ion:101 Resp: 323543
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.3 78.5

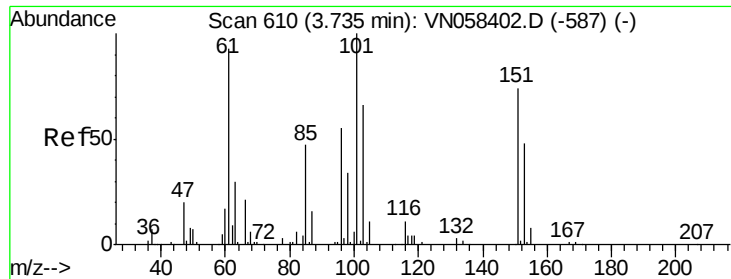


#8

Diethyl Ether
 Concen: 44.493 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion: 74 Resp: 121591
 Ion Ratio Lower Upper
 74 100
 45 103.5 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.264 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

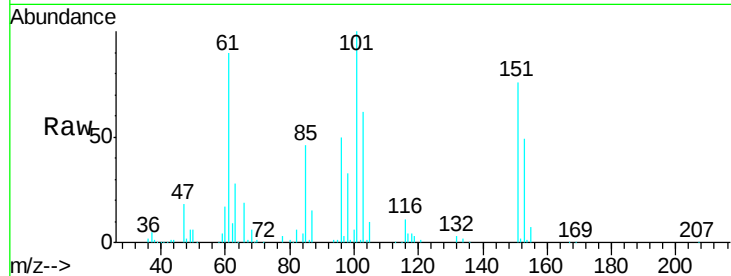
Tgt Ion:101 Resp: 190404

Ion Ratio Lower Upper

101 100

85 45.5 36.7 55.1

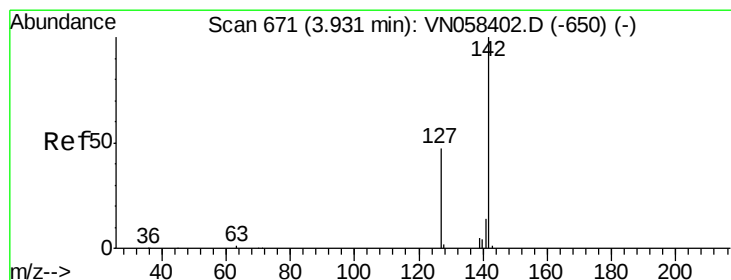
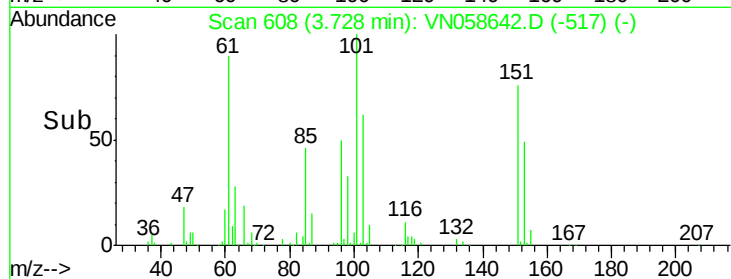
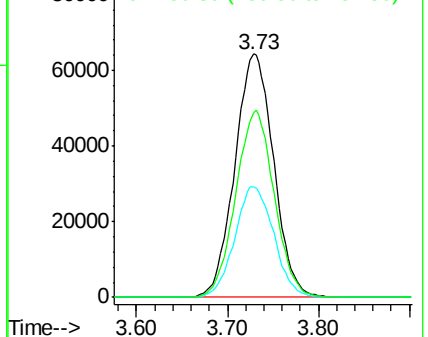
151 76.3 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.601 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

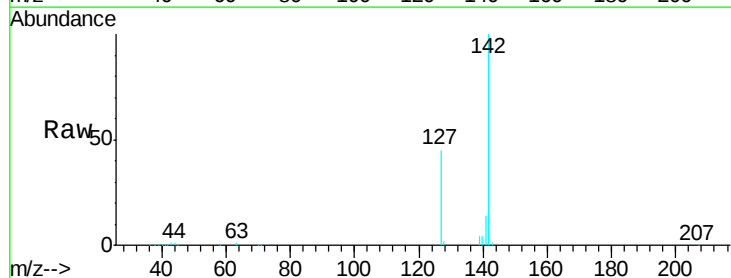
Tgt Ion:142 Resp: 203194

Ion Ratio Lower Upper

142 100

127 46.0 37.2 55.8

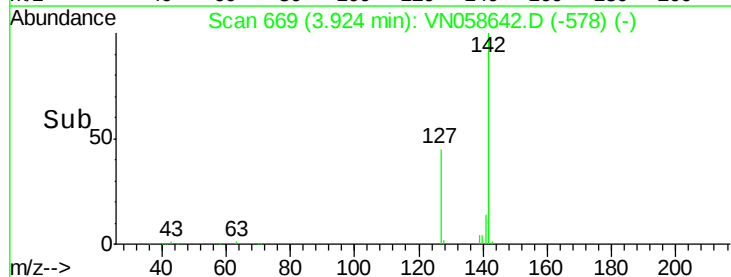
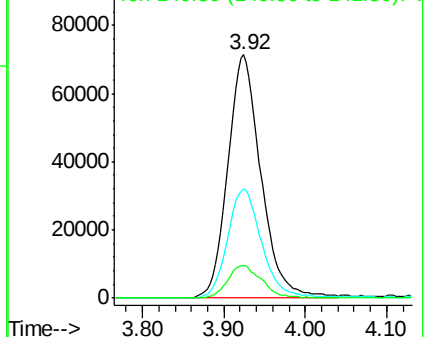
141 13.8 11.3 16.9

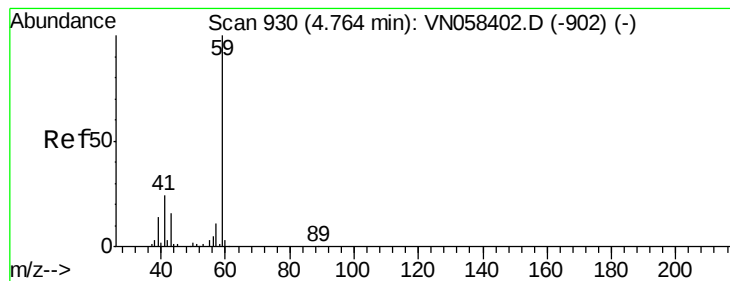


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



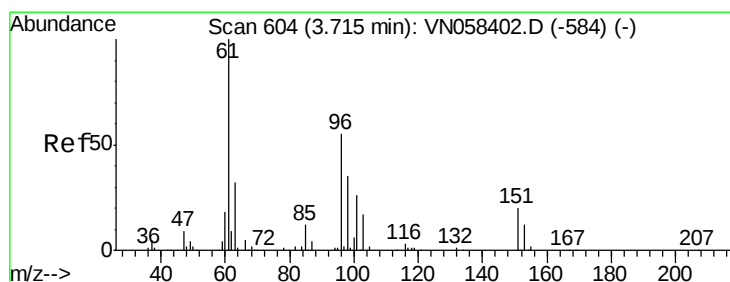
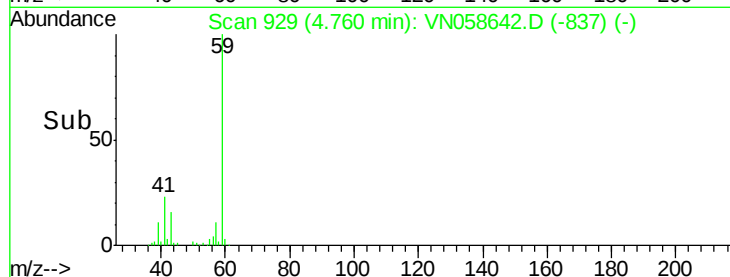
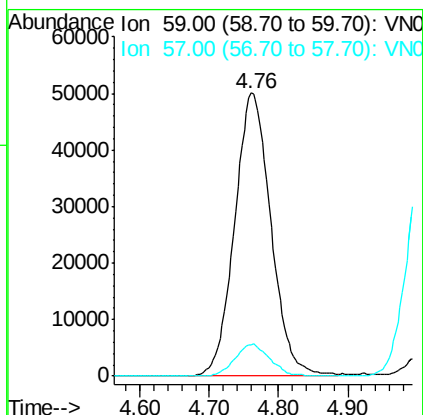
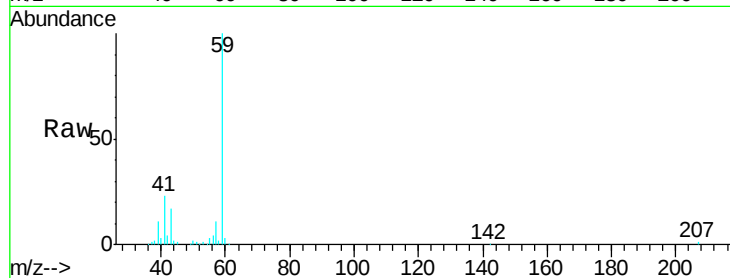


#11

Tert butyl alcohol
 Concen: 253.309 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

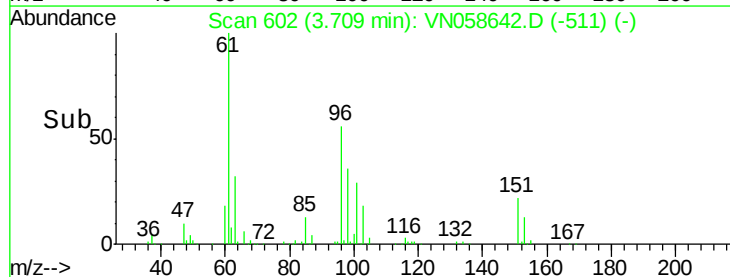
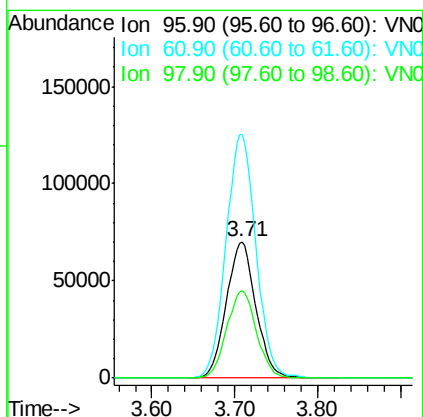
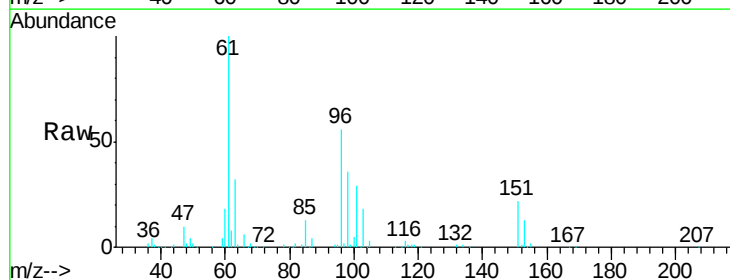
Tgt Ion: 59 Resp: 182776
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.0 13.4

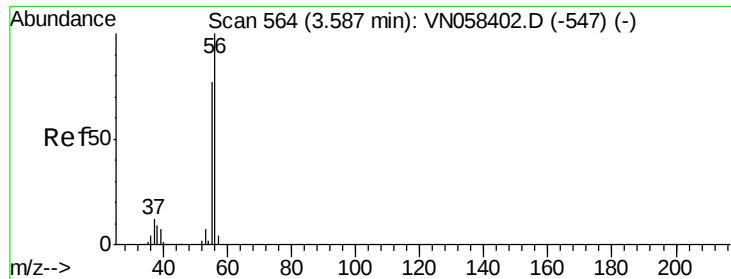


#12

1,1-Dichloroethene
 Concen: 41.399 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion: 96 Resp: 173579
 Ion Ratio Lower Upper
 96 100
 61 178.5 146.7 220.1
 98 63.9 51.3 76.9

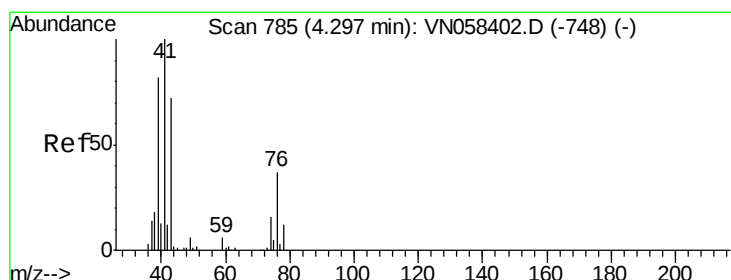
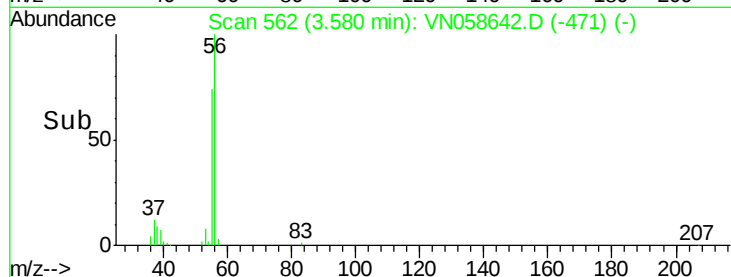
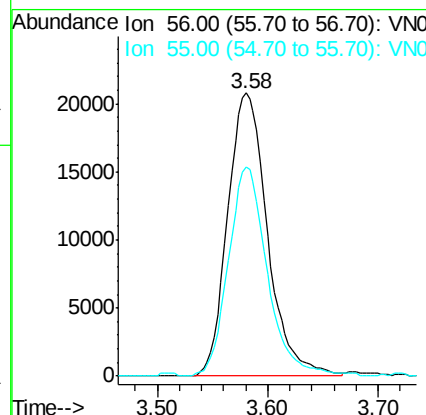
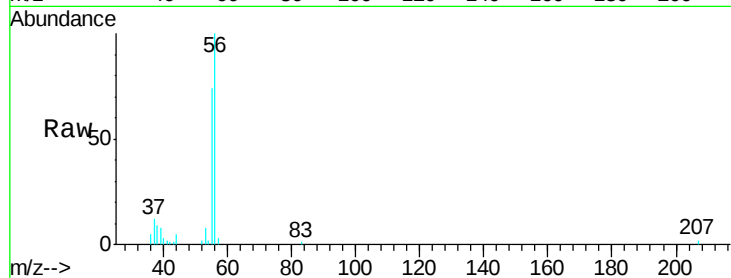




#13
Acrolein
Concen: 226.814 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

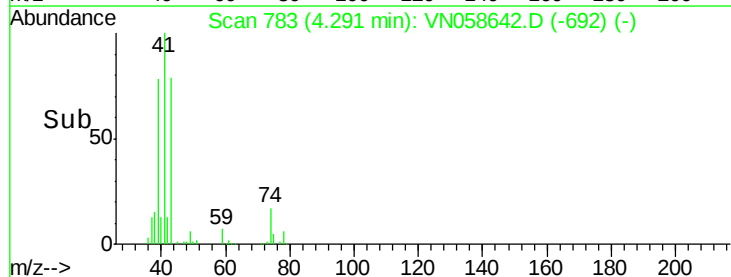
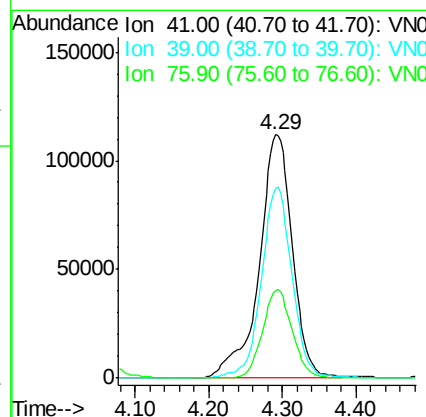
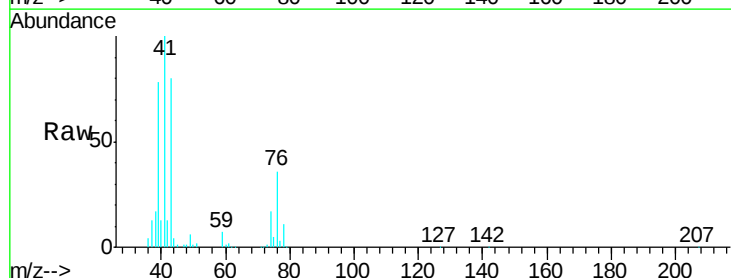
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

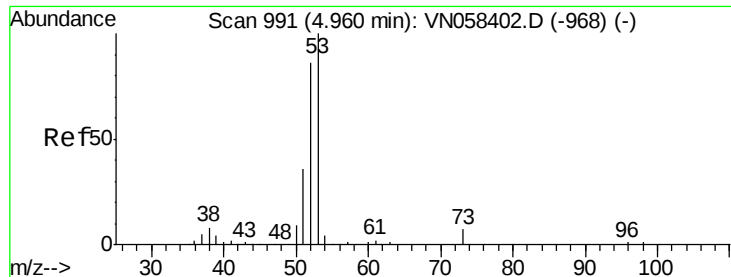
Tgt Ion: 56 Resp: 52053
Ion Ratio Lower Upper
56 100
55 72.1 58.3 87.5



#14
Allyl chloride
Concen: 45.974 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion: 41 Resp: 350791
Ion Ratio Lower Upper
41 100
39 72.4 62.3 93.5
76 32.0 26.9 40.3





#15

Acrylonitrile

Concen: 239.293 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

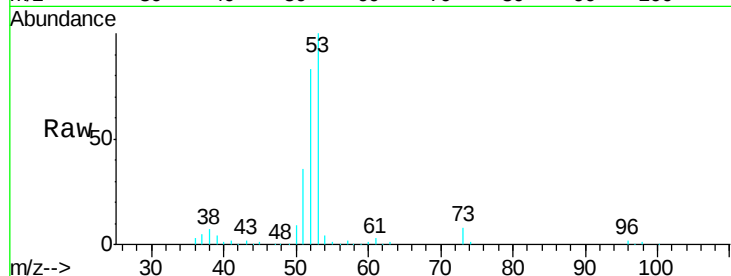
Tgt Ion: 53 Resp: 503214

Ion Ratio Lower Upper

53 100

52 83.0 66.6 100.0

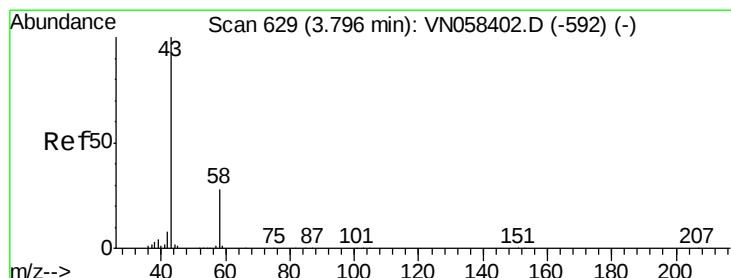
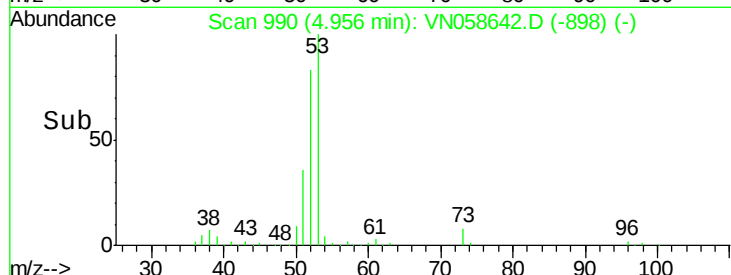
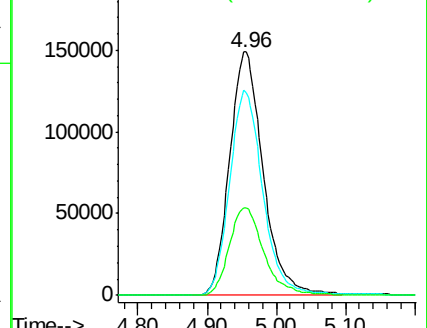
51 37.4 29.8 44.8



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: 257.646 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.01 min

Lab File: VN058642.D

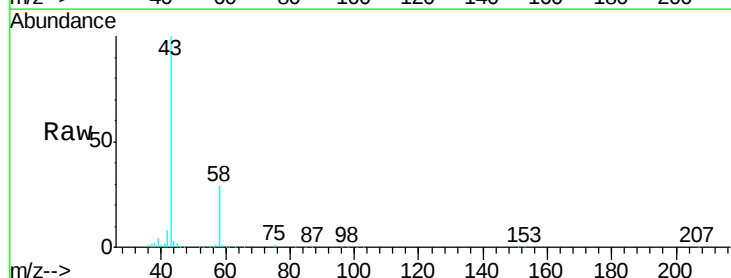
Acq: 9 Oct 2019 15:44

Tgt Ion: 43 Resp: 570458

Ion Ratio Lower Upper

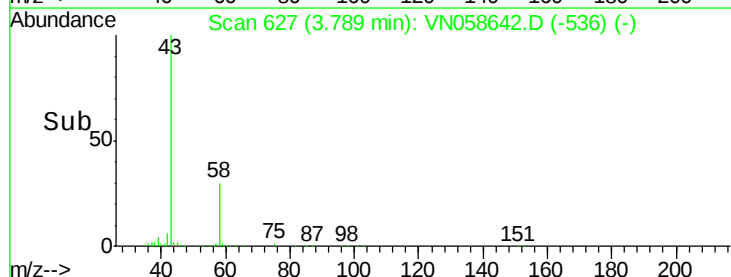
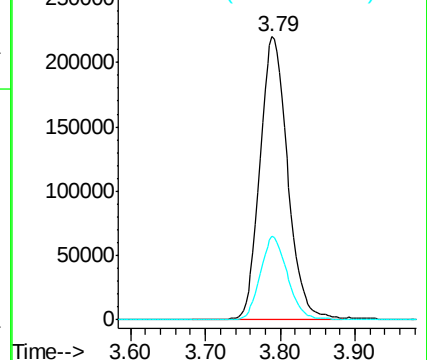
43 100

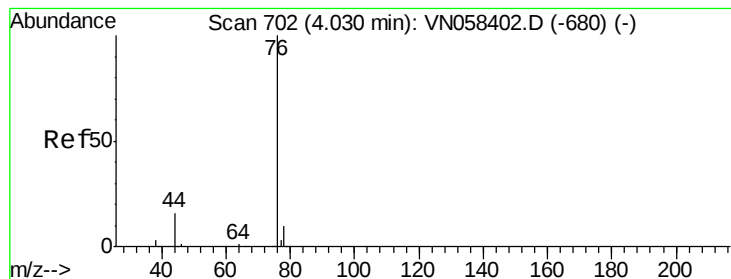
58 29.3 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 43.362 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

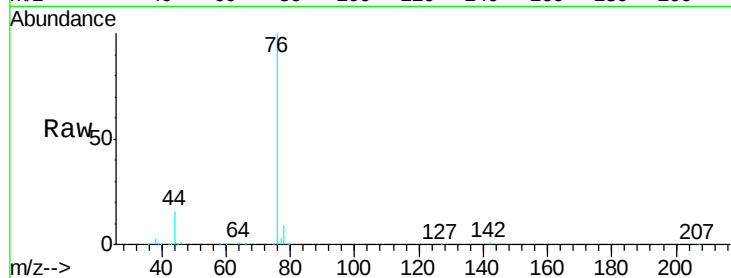
VSTDCCC050

Tgt Ion: 76 Resp: 479253

Ion Ratio Lower Upper

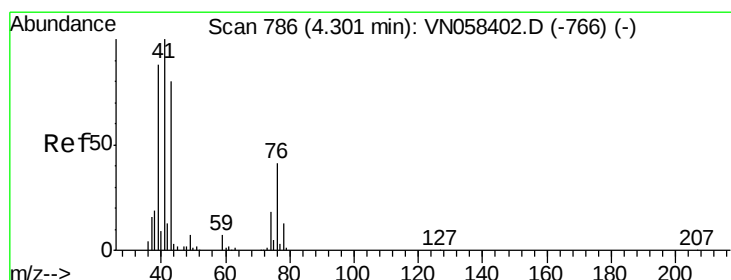
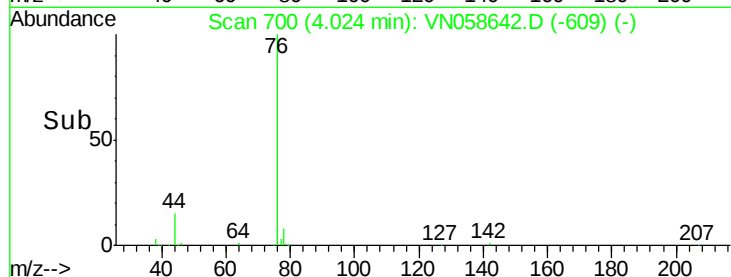
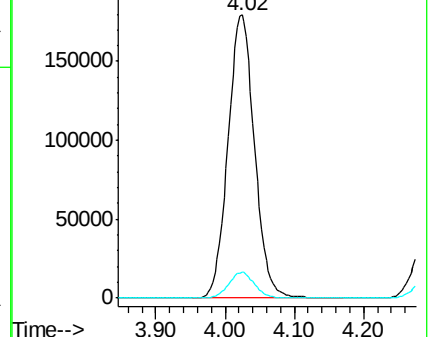
76 100

78 9.2 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN058642.D (-680) (-)

Ion 77.90 (77.60 to 78.60): VN058642.D (-680) (-)



#18

Methyl Acetate

Concen: 46.952 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.01 min

Lab File: VN058642.D

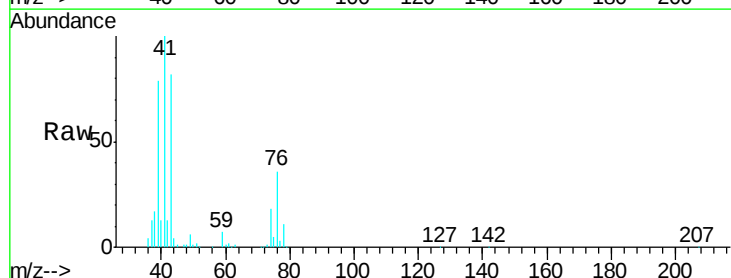
Acq: 9 Oct 2019 15:44

Tgt Ion: 43 Resp: 261462

Ion Ratio Lower Upper

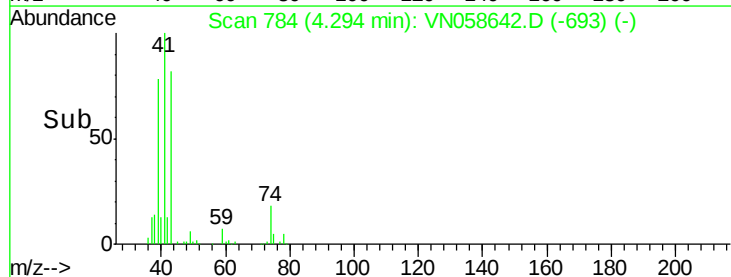
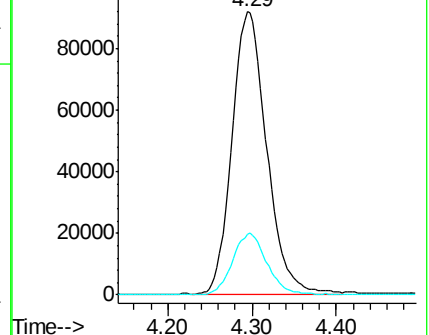
43 100

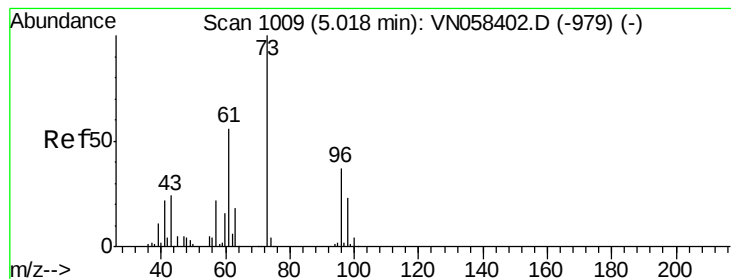
74 21.8 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN058642.D (-693) (-)

Ion 74.00 (73.70 to 74.70): VN058642.D (-693) (-)



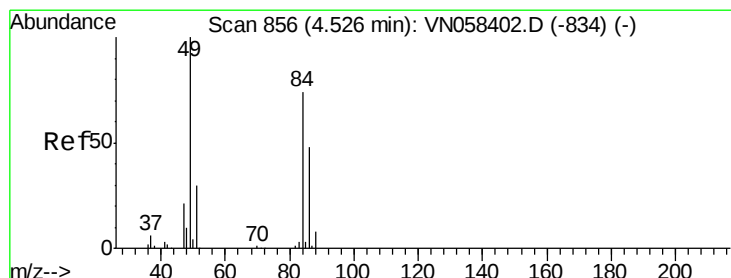
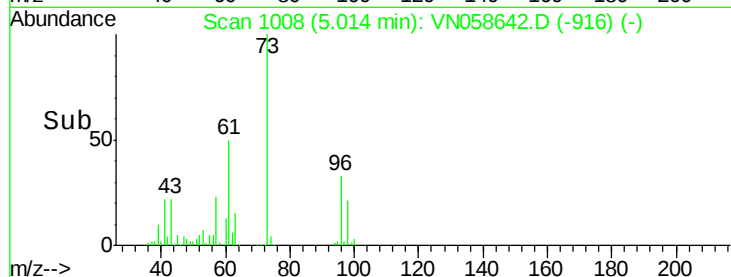
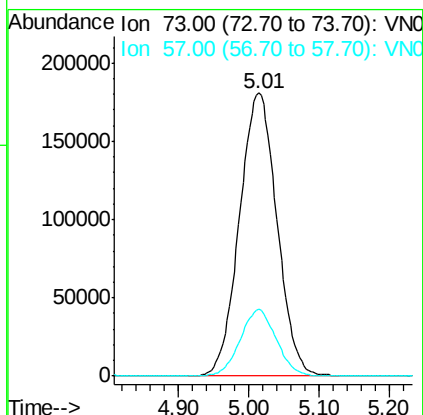
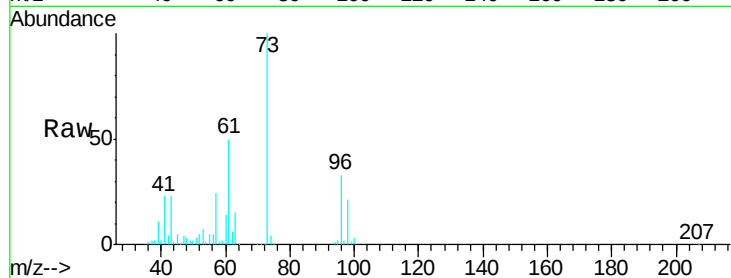


#19

Methyl tert-butyl Ether
 Concen: 45.359 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

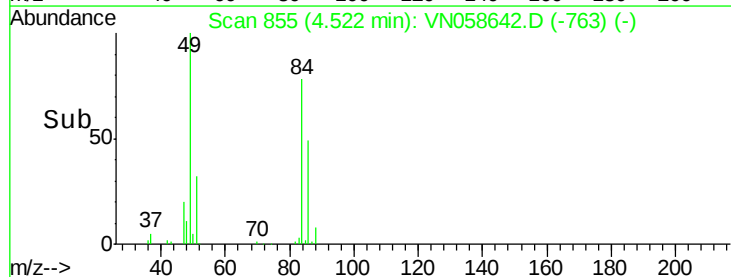
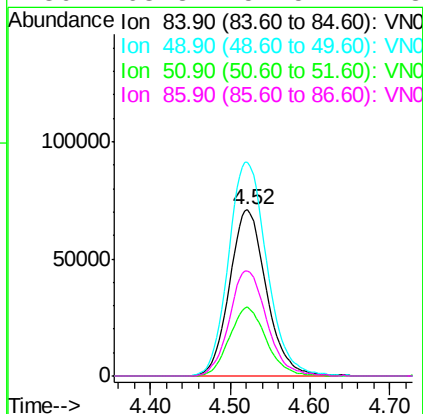
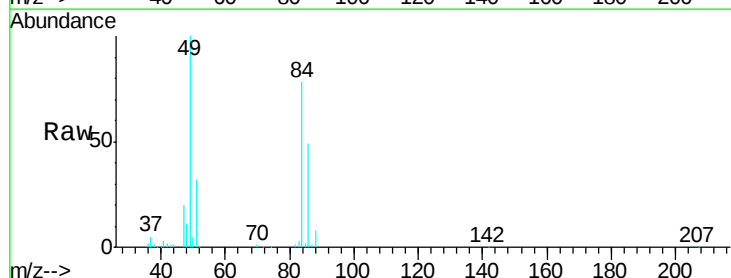
Tgt Ion: 73 Resp: 671038
 Ion Ratio Lower Upper
 73 100
 57 23.5 17.6 26.4

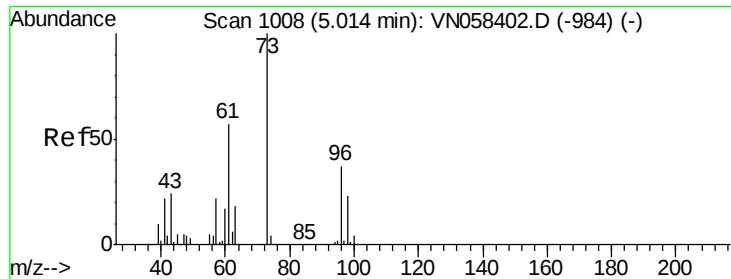


#20

Methylene Chloride
 Concen: 43.509 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion: 84 Resp: 222312
 Ion Ratio Lower Upper
 84 100
 49 128.1 107.9 161.9
 51 41.3 32.8 49.2
 86 63.3 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 42.170 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

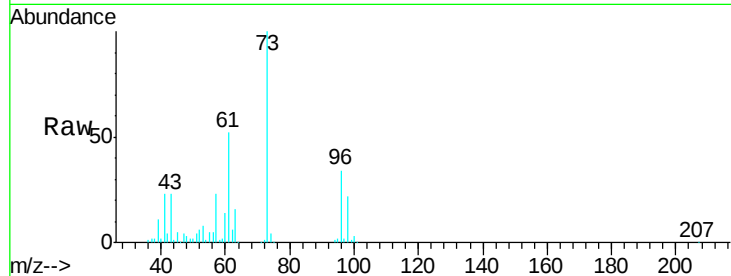
Tgt Ion: 96 Resp: 196618

Ion Ratio Lower Upper

96 100

61 153.0 121.9 182.9

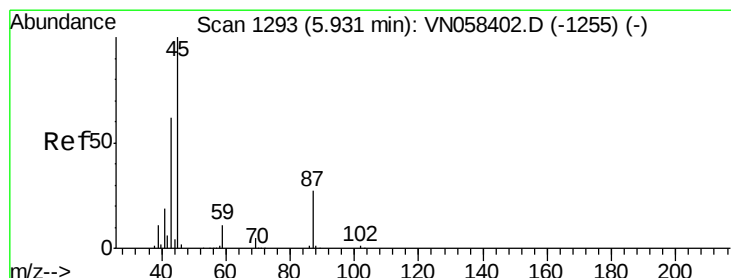
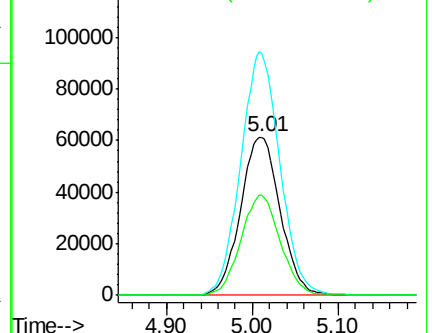
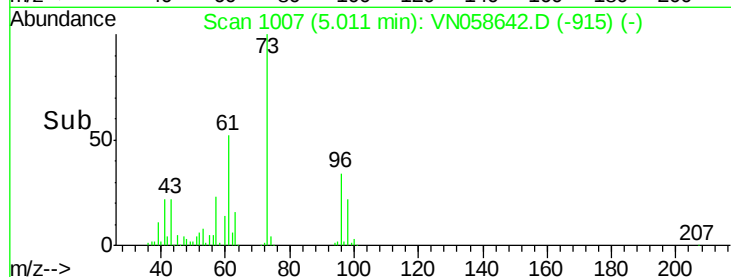
98 63.4 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 46.256 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Tgt Ion: 45 Resp: 759510

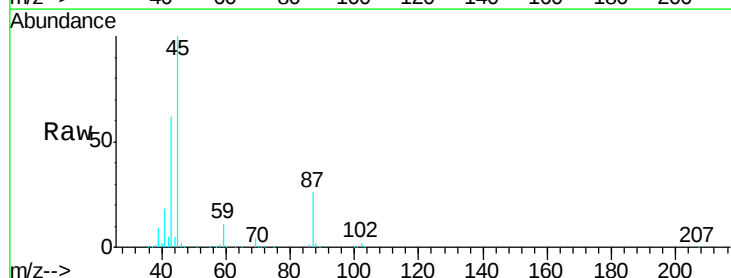
Ion Ratio Lower Upper

45 100

43 61.5 49.7 74.5

87 26.2 21.5 32.3

59 11.2 8.9 13.3

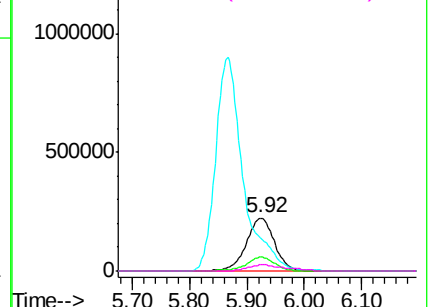
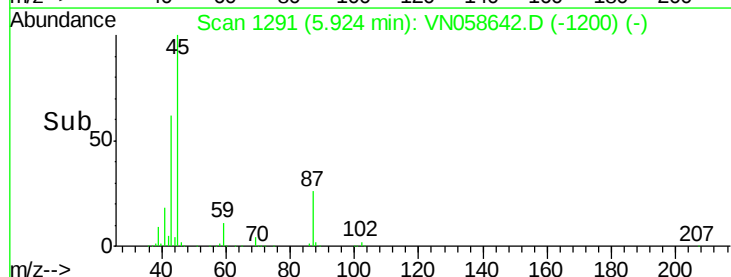


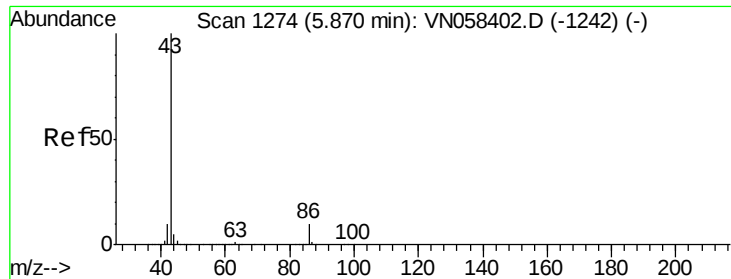
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 243.473 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

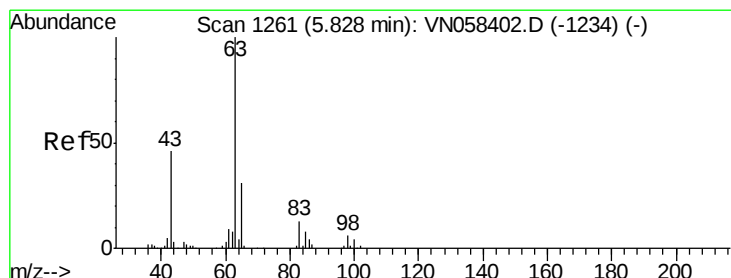
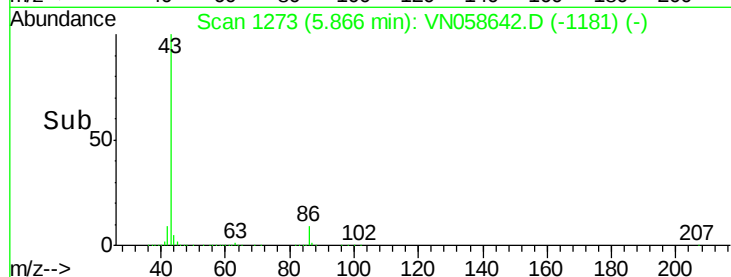
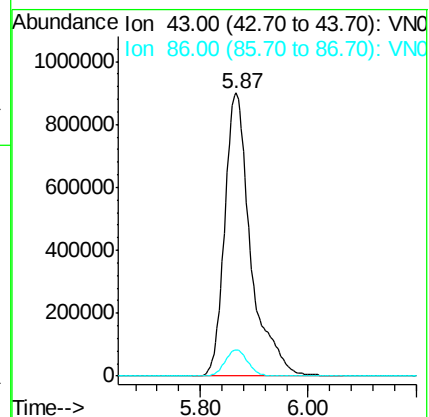
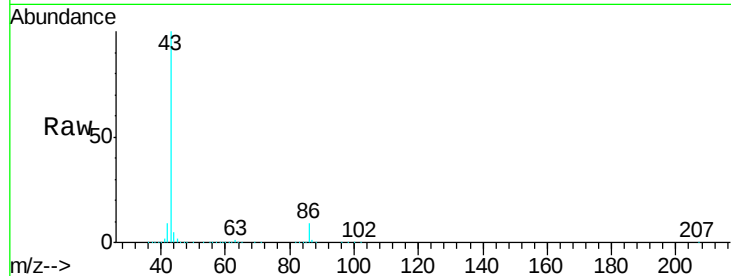
VSTDCCC050

Tgt Ion: 43 Resp: 3014364

Ion Ratio Lower Upper

43 100

86 9.4 7.7 11.5



#24

1,1-Dichloroethane

Concen: 45.227 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

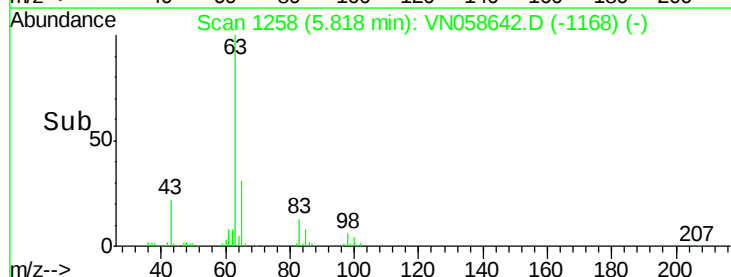
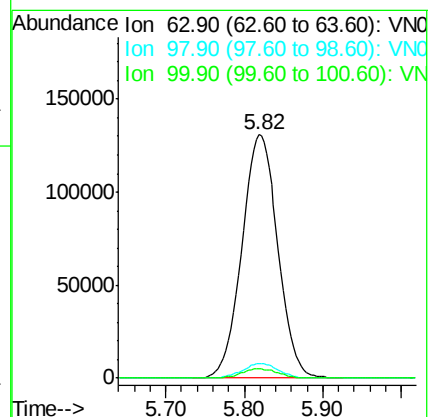
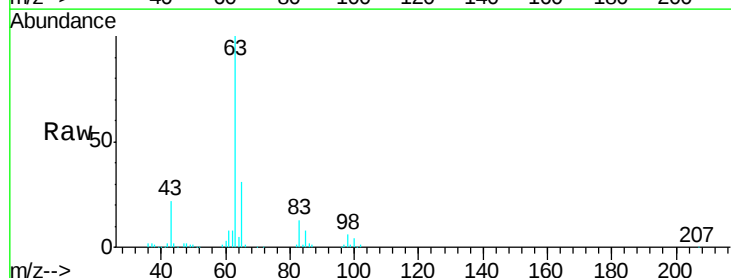
Tgt Ion: 63 Resp: 417941

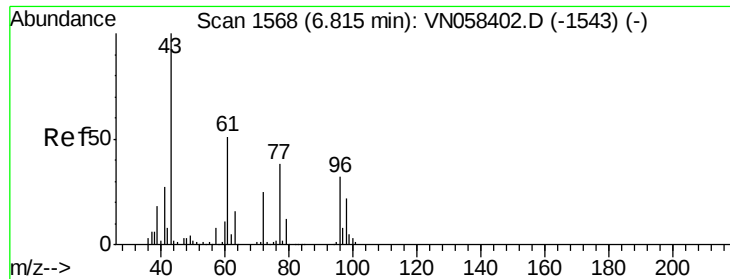
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

100 4.0 2.0 5.8





#25

2-Butanone

Concen: 237.862 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampled :

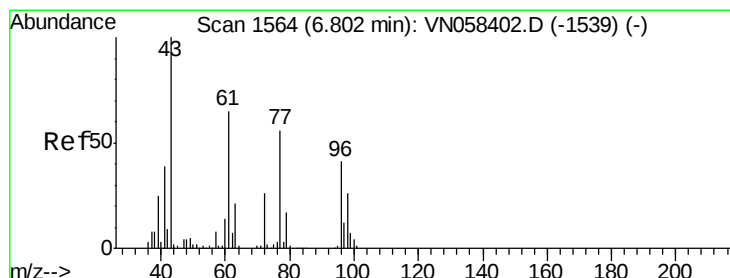
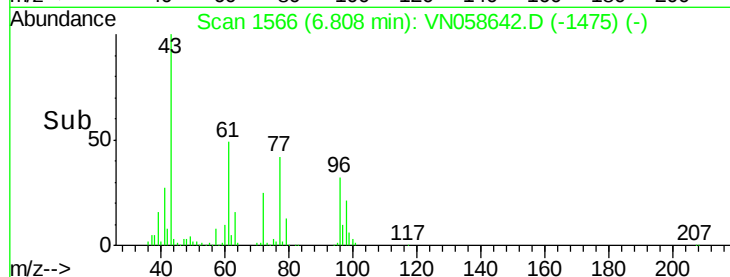
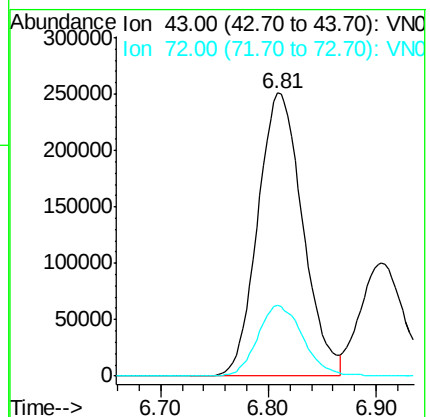
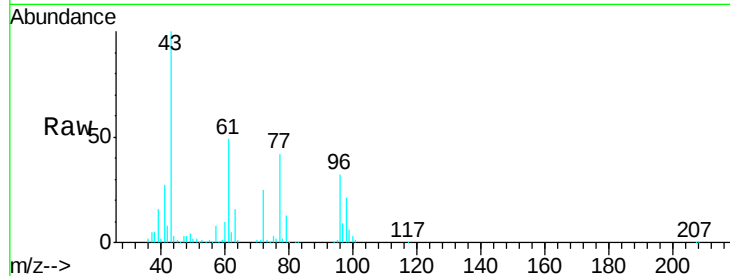
VSTDCCC050

Tgt Ion: 43 Resp: 723078

Ion Ratio Lower Upper

43 100

72 24.9 20.2 30.4



#26

2,2-Dichloropropane

Concen: 49.074 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058642.D

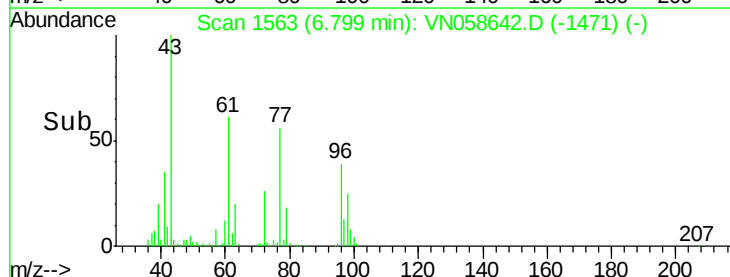
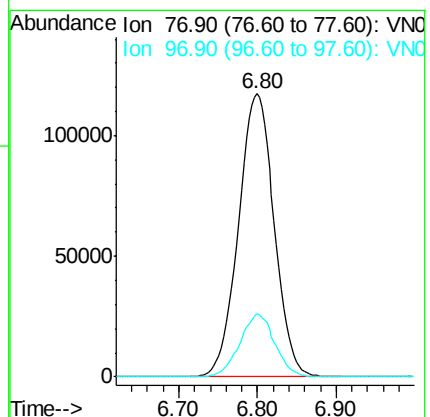
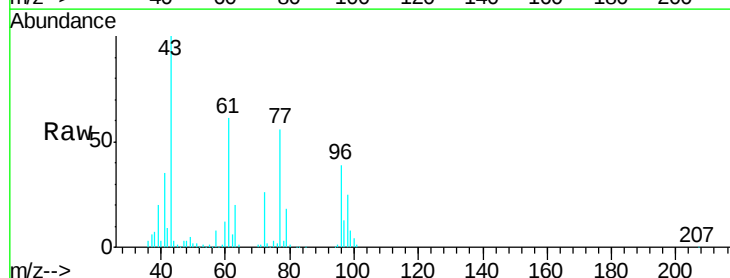
Acq: 9 Oct 2019 15:44

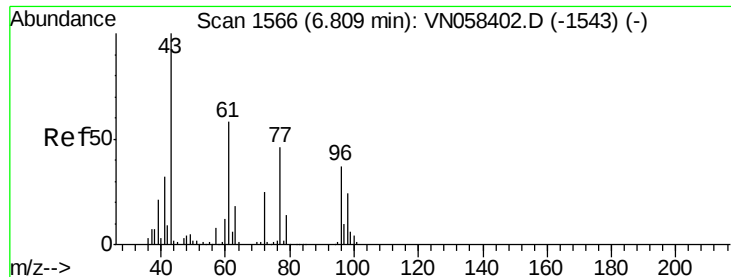
Tgt Ion: 77 Resp: 372819

Ion Ratio Lower Upper

77 100

97 21.8 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 43.720 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

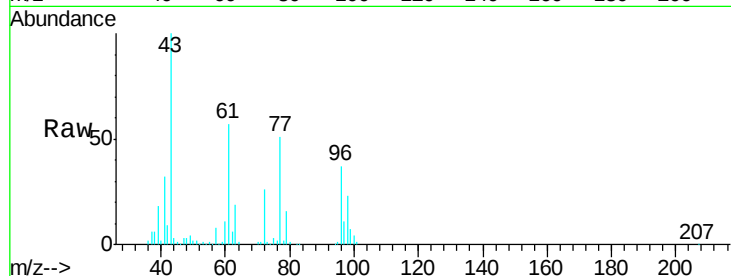
Tgt Ion: 96 Resp: 238246

Ion Ratio Lower Upper

96 100

61 159.2 0.0 318.8

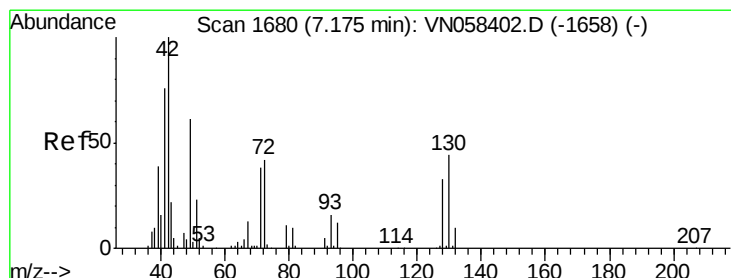
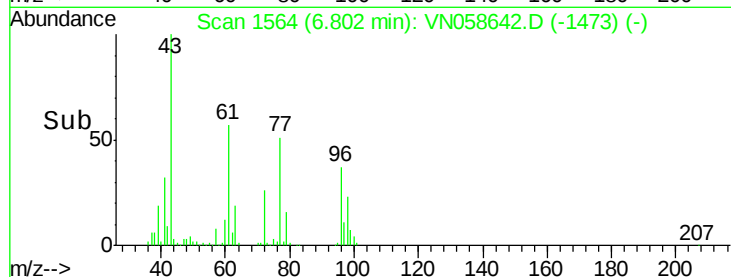
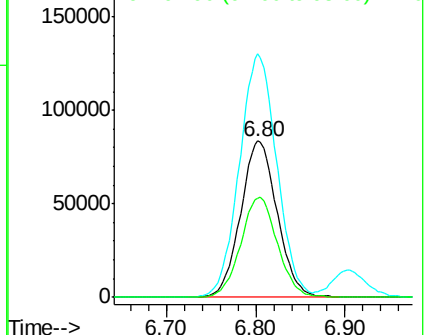
98 64.3 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN058642.D (-1473) (-)

Ion 60.90 (60.60 to 61.60): VN058642.D (-1473) (-)

Ion 97.90 (97.60 to 98.60): VN058642.D (-1473) (-)



#28

Bromochloromethane

Concen: 45.603 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

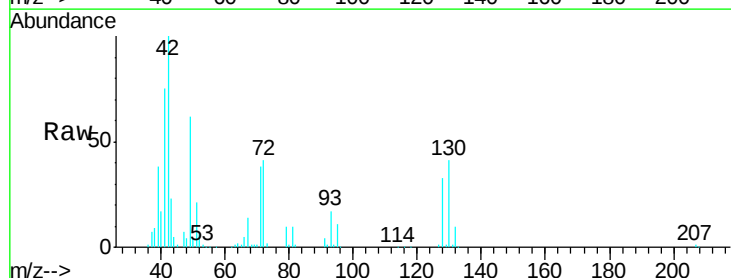
Tgt Ion: 49 Resp: 168450

Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.4

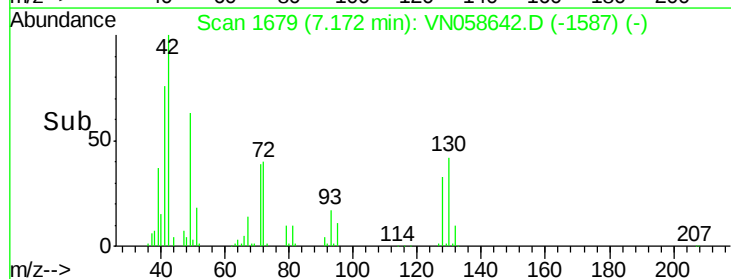
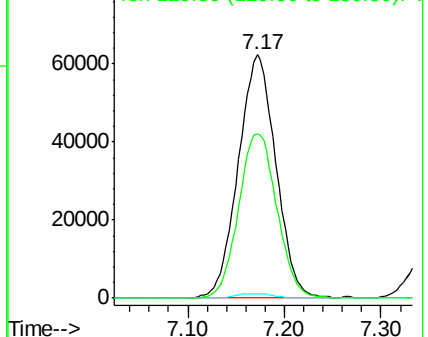
130 68.6 56.3 84.5

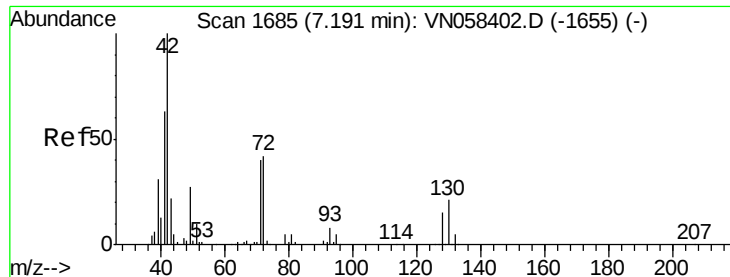


Abundance Ion 48.90 (48.60 to 49.60): VN058642.D (-1587) (-)

Ion 128.80 (128.50 to 129.50): VN058642.D (-1587) (-)

Ion 129.80 (129.50 to 130.50): VN058642.D (-1587) (-)





#29

Tetrahydrofuran

Concen: 225.843 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

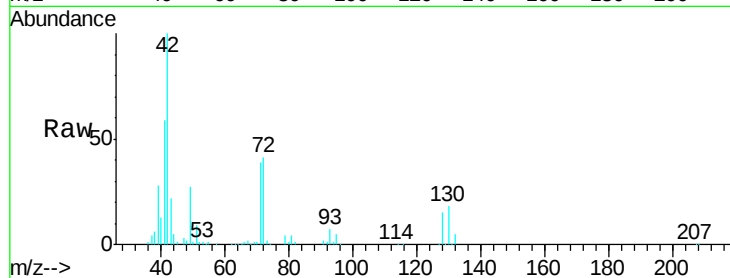
Tgt Ion: 42 Resp: 435742

Ion Ratio Lower Upper

42 100

72 41.5 33.7 50.5

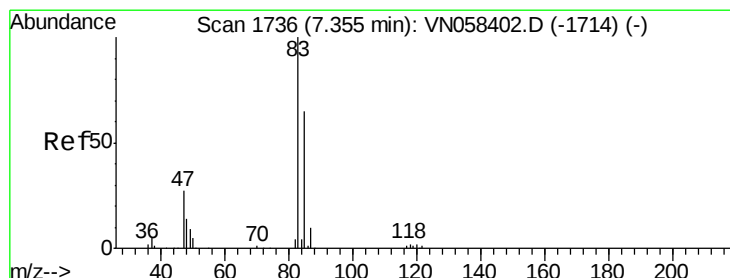
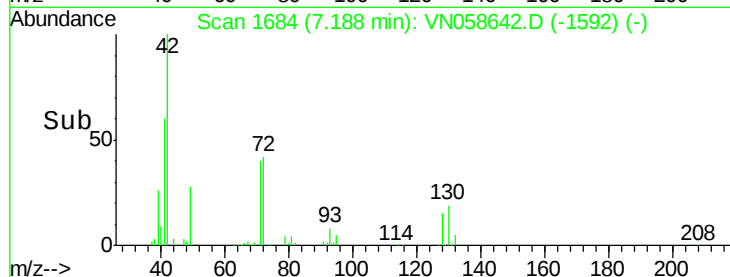
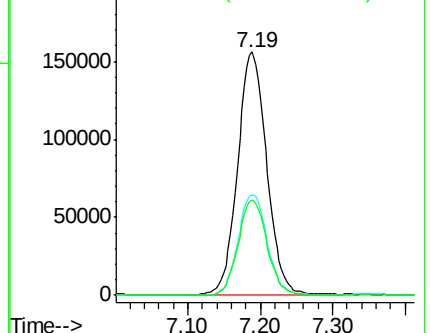
71 39.0 31.8 47.6



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 44.799 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058642.D

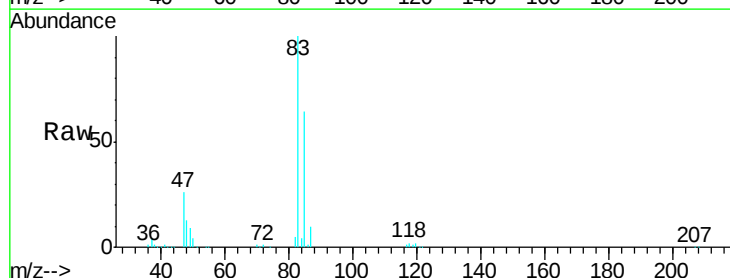
Acq: 9 Oct 2019 15:44

Tgt Ion: 83 Resp: 419507

Ion Ratio Lower Upper

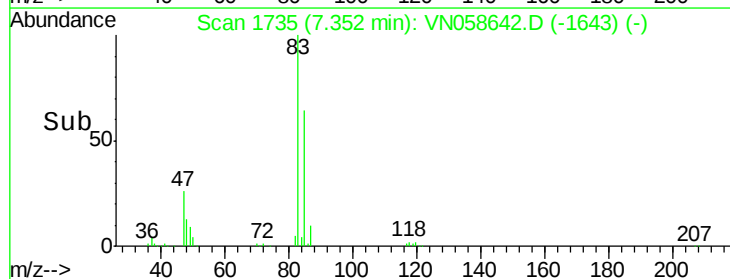
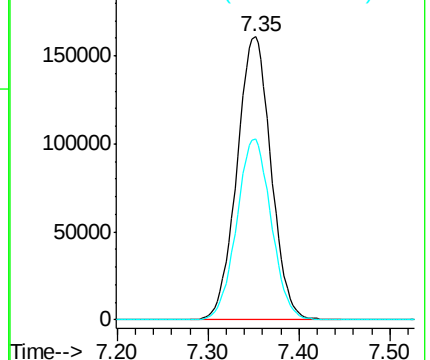
83 100

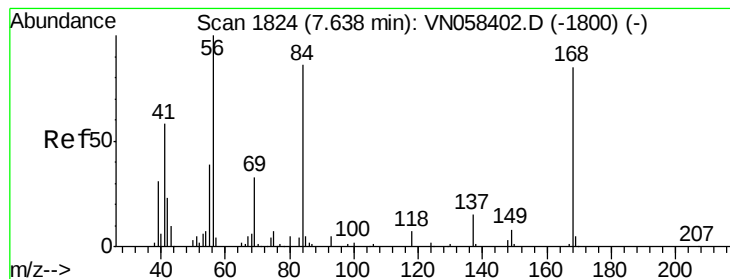
85 64.0 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 39.822 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

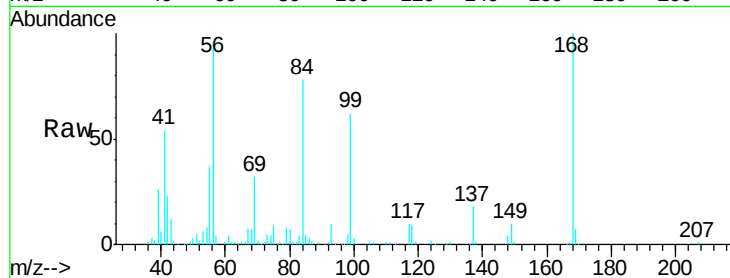
Tgt Ion: 56 Resp: 357960

Ion Ratio Lower Upper

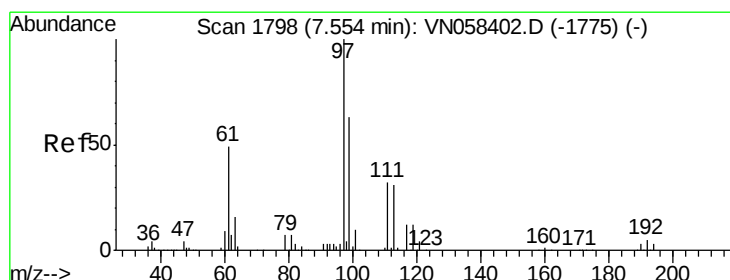
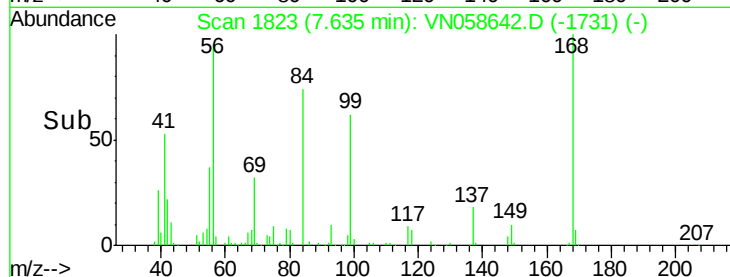
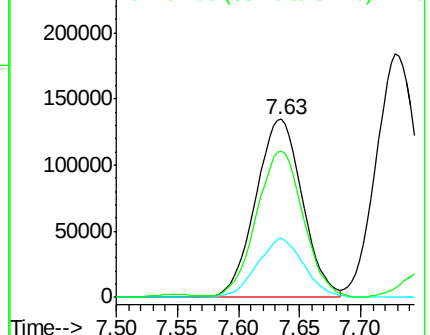
56 100

69 33.3 26.2 39.4

84 81.1 67.6 101.4



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



#32

1,1,1-Trichloroethane

Concen: 46.613 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

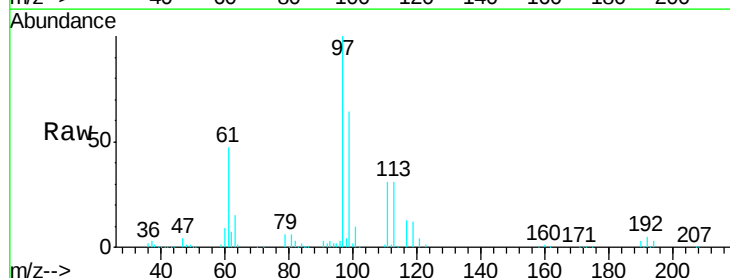
Tgt Ion: 97 Resp: 358443

Ion Ratio Lower Upper

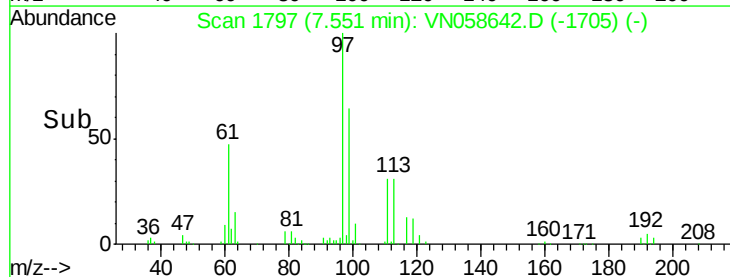
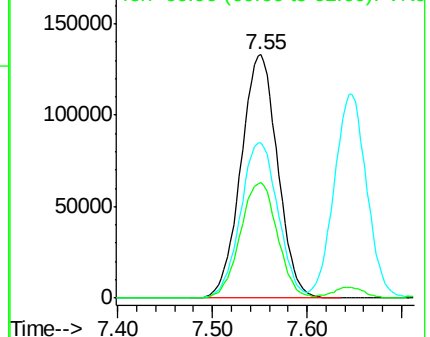
97 100

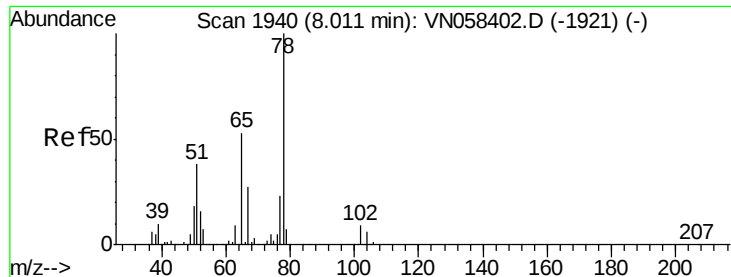
99 65.1 51.1 76.7

61 48.0 39.2 58.8



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





#33

1,2-Dichloroethane-d4

Concen: 40.865 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

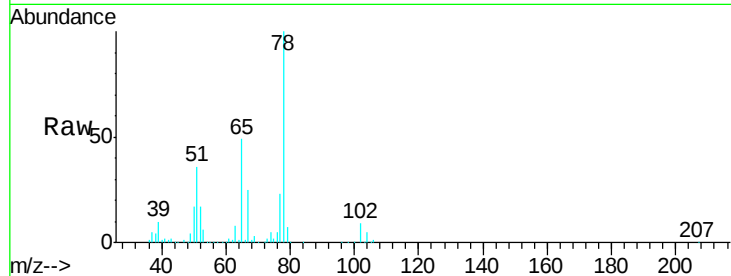
VSTDCCC050

Tgt Ion: 65 Resp: 265425

Ion Ratio Lower Upper

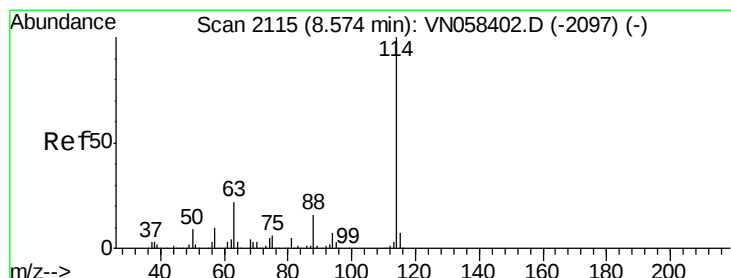
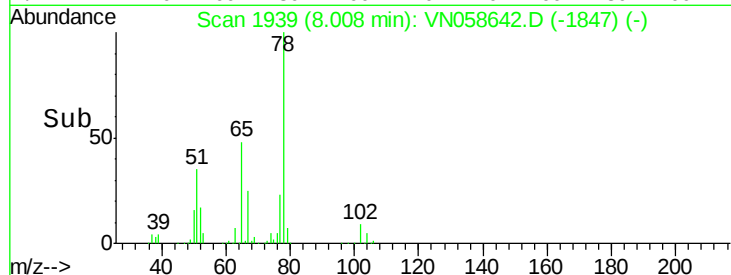
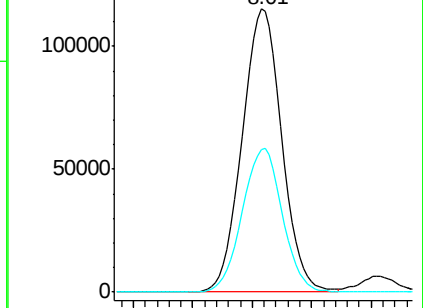
65 100

67 51.5 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058402.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN058402.D (-1921) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

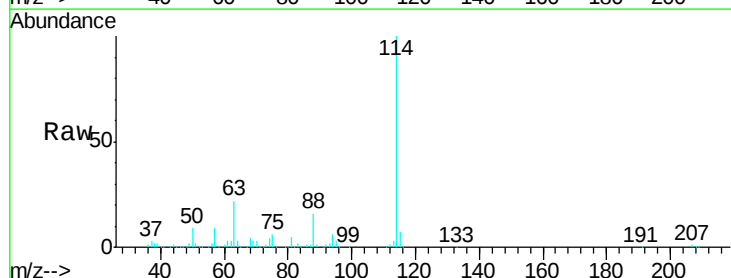
Tgt Ion: 114 Resp: 713707

Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.0

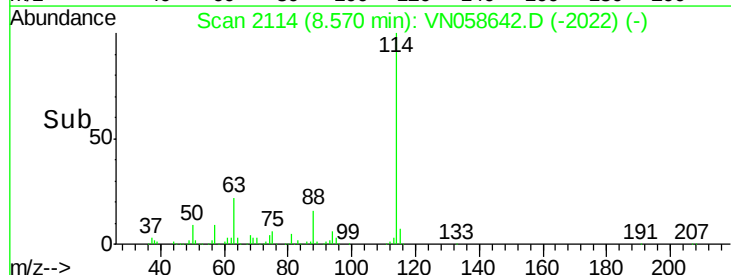
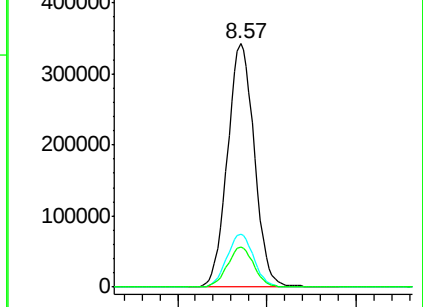
88 16.3 0.0 32.2

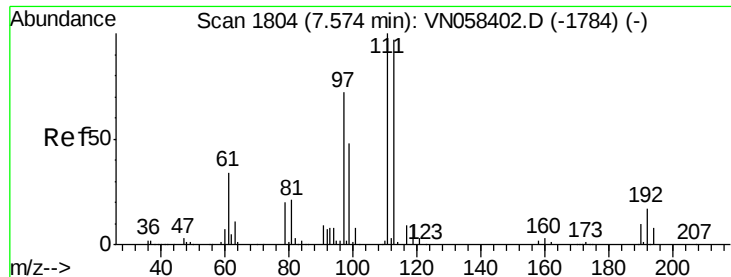


Abundance Ion 113.90 (113.60 to 114.60): VN058402.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058402.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058402.D (-2097) (-)

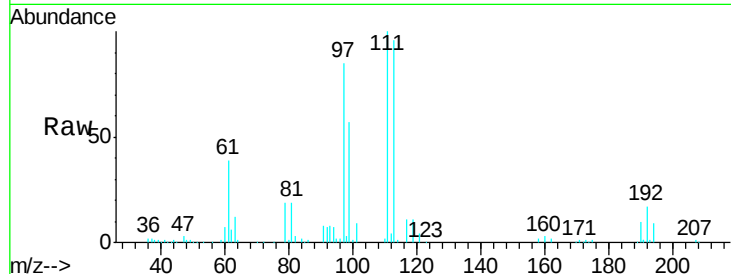




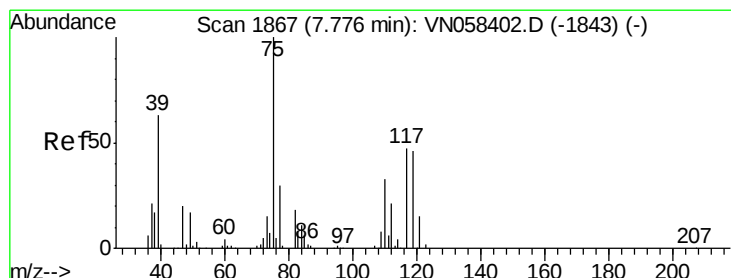
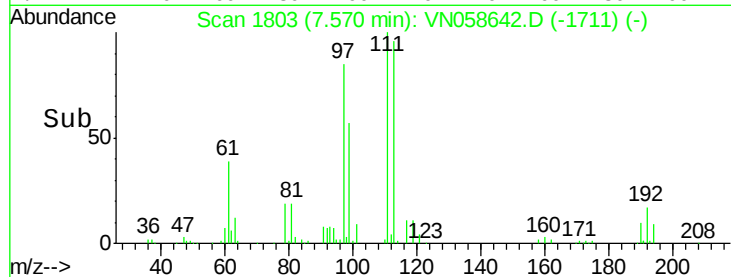
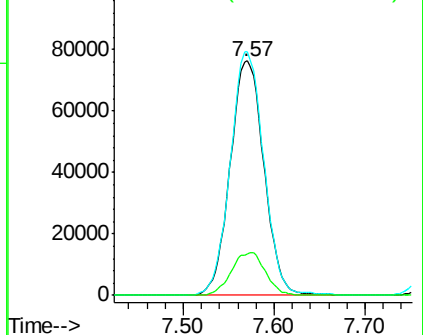
#35
 Dibromofluoromethane
 Concen: 45.194 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 113 Resp: 197688
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.2
 192 18.4 14.9 22.3

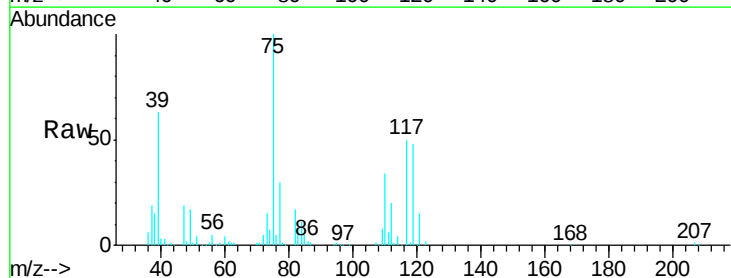


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

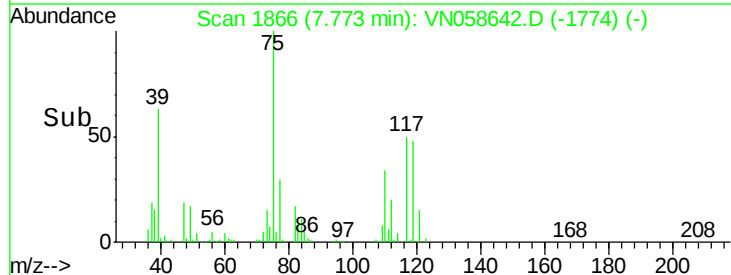
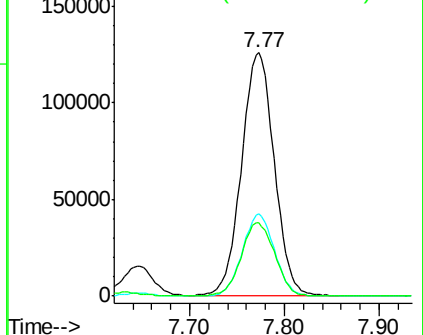


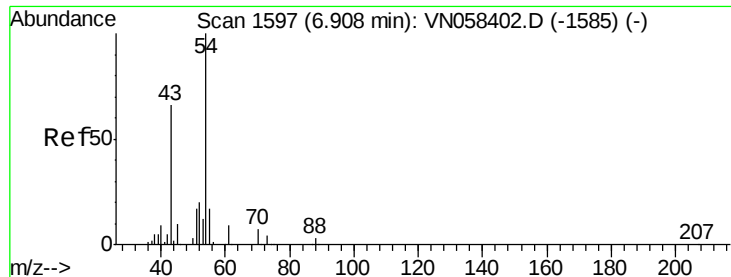
#36
 1,1-Dichloropropene
 Concen: 44.334 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion: 75 Resp: 302553
 Ion Ratio Lower Upper
 75 100
 110 33.1 16.4 49.2
 77 31.1 24.3 36.5



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





#37

Ethyl Acetate

Concen: 48.915 ug/l

RT: 6.90 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

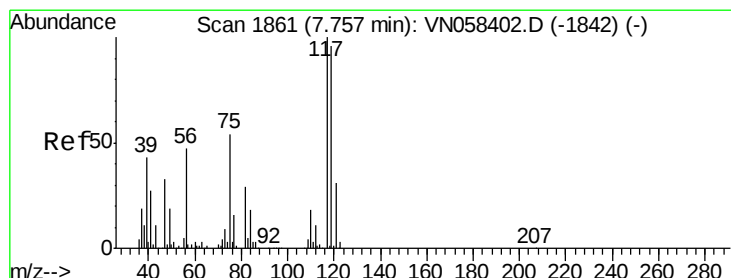
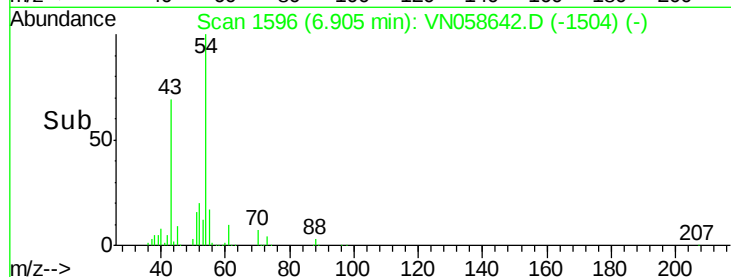
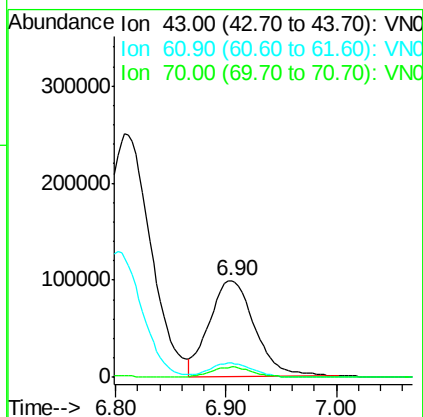
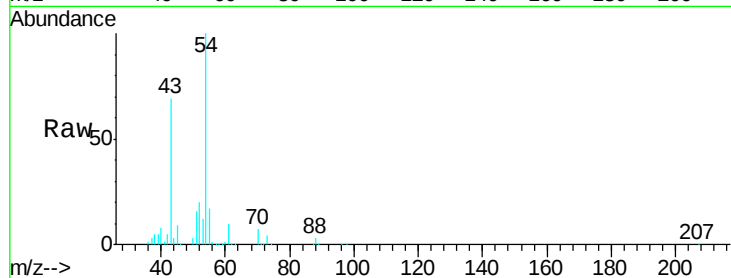
Tgt Ion: 43 Resp: 283018

Ion Ratio Lower Upper

43 100

61 13.9 10.5 15.7

70 9.9 7.8 11.6



#38

Carbon Tetrachloride

Concen: 50.336 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

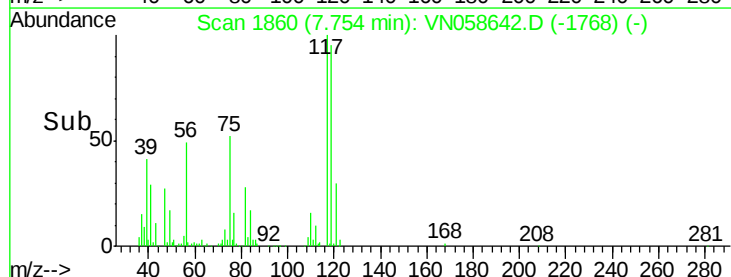
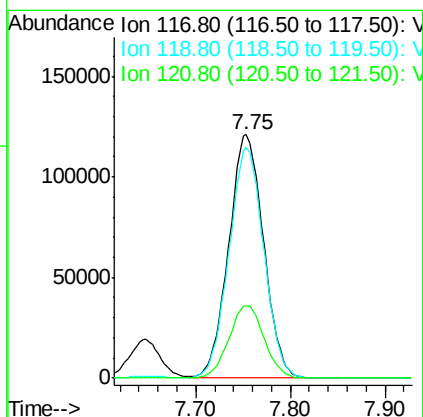
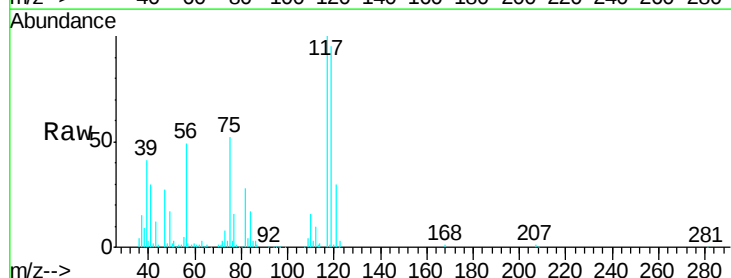
Tgt Ion: 117 Resp: 310072

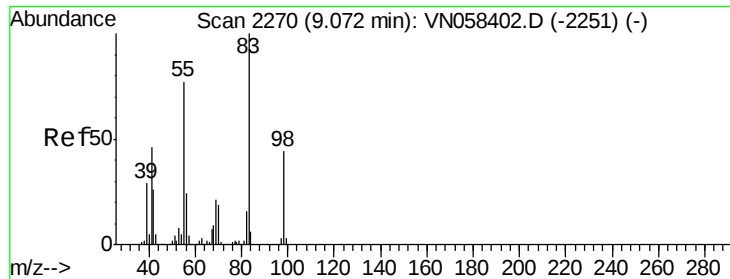
Ion Ratio Lower Upper

117 100

119 94.6 76.6 115.0

121 29.9 24.7 37.1

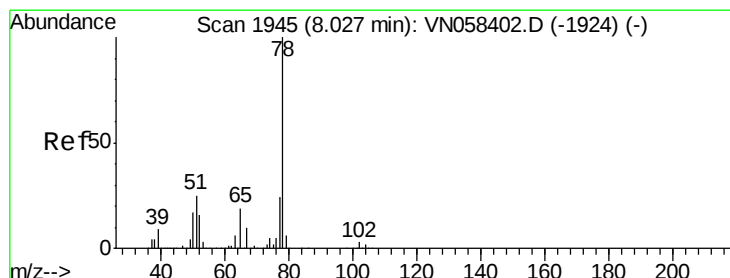
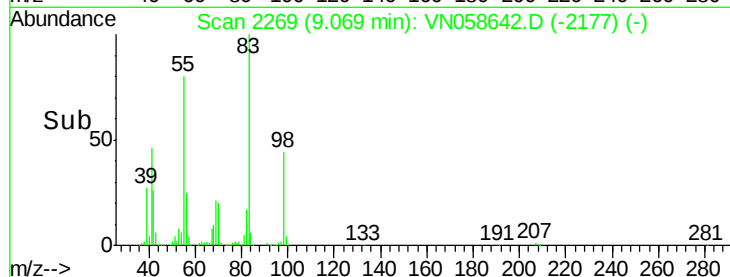
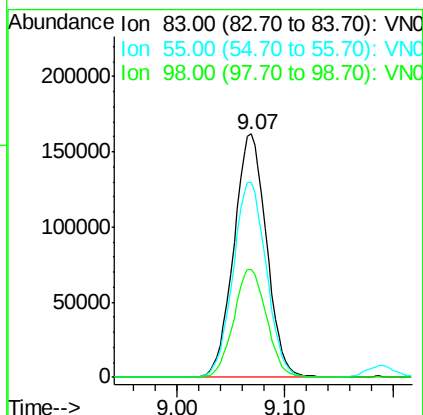
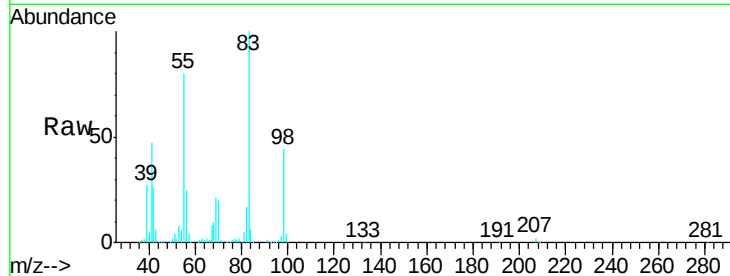




#39
Methylcyclohexane
Concen: 42.930 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

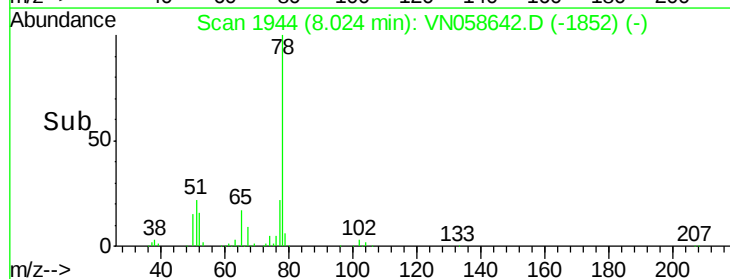
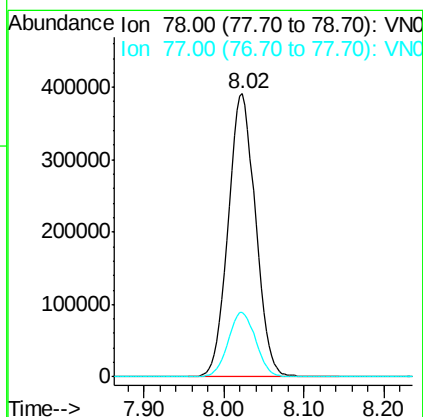
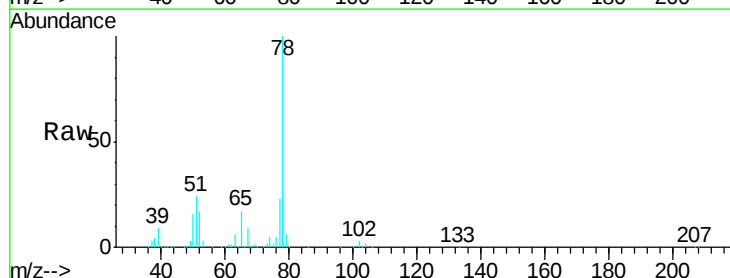
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

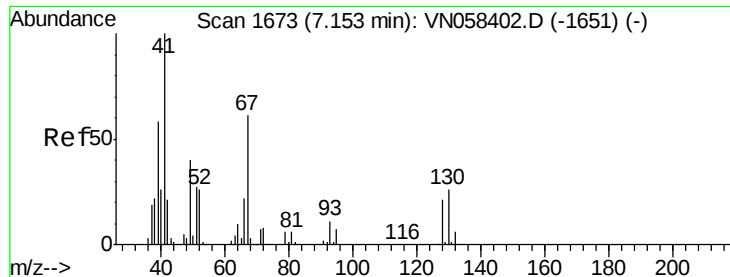
Tgt Ion: 83 Resp: 342129
Ion Ratio Lower Upper
83 100
55 79.8 61.8 92.6
98 44.2 35.4 53.0



#40
Benzene
Concen: 46.269 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion: 78 Resp: 907637
Ion Ratio Lower Upper
78 100
77 22.8 18.9 28.3





#41

Methacrylonitrile

Concen: 152.996 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.03 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 407248

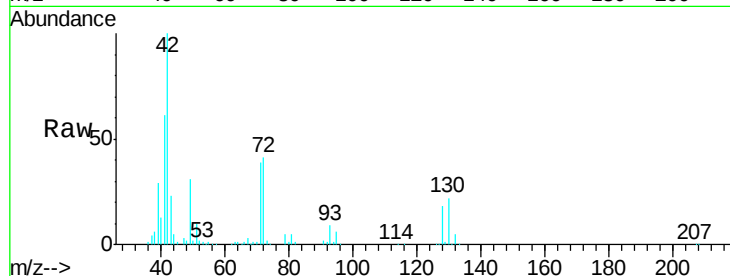
Ion Ratio Lower Upper

41 100

39 0.0 50.2 75.4#

67 0.0 70.2 105.4#

52 0.0 31.4 47.0#

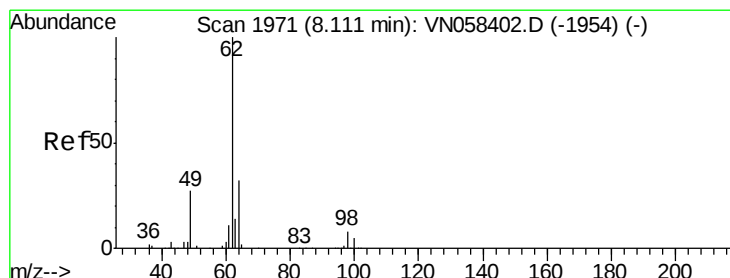
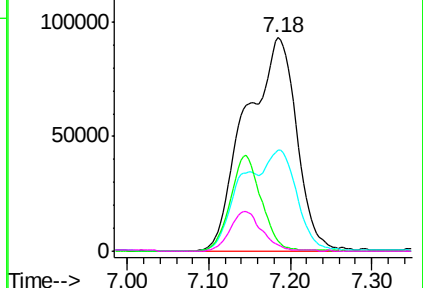
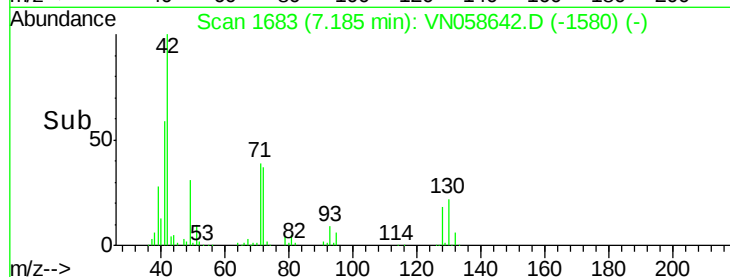


Abundance Ion 41.00 (40.70 to 41.70): VN0

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: 45.931 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VN058642.D

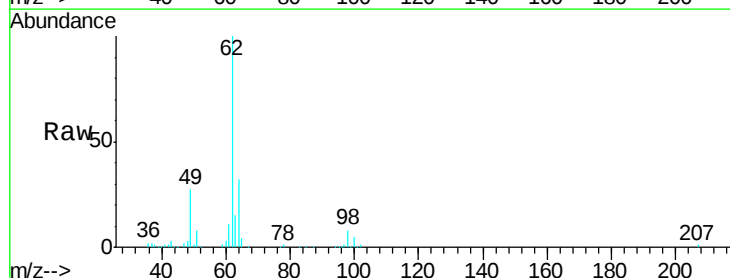
Acq: 9 Oct 2019 15:44

Tgt Ion: 62 Resp: 350539

Ion Ratio Lower Upper

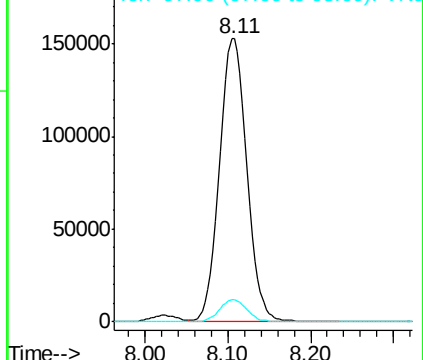
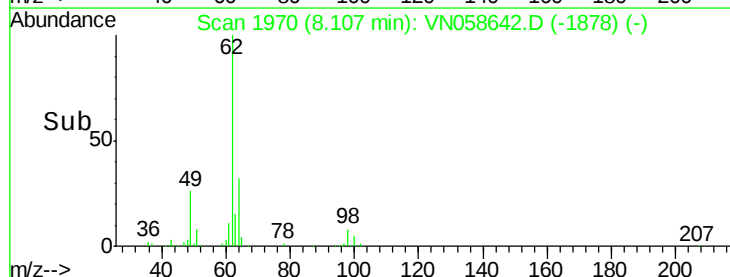
62 100

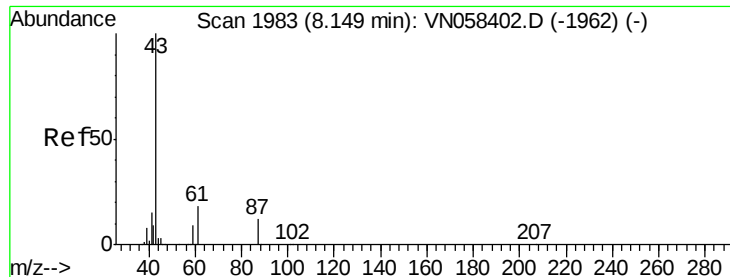
98 7.8 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 45.302 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

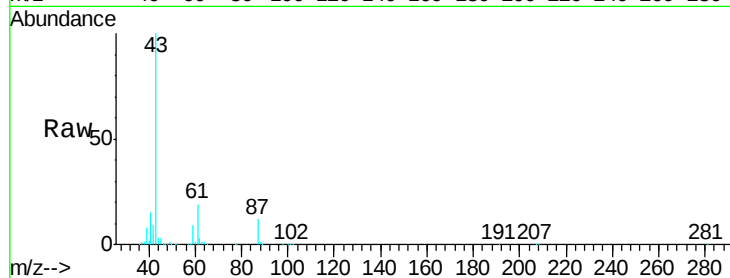
Tgt Ion: 43 Resp: 492902

Ion Ratio Lower Upper

43 100

61 19.0 14.8 22.2

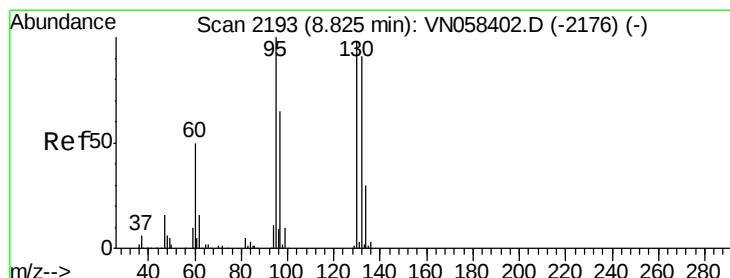
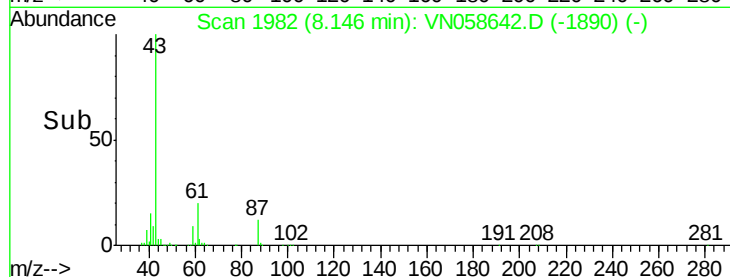
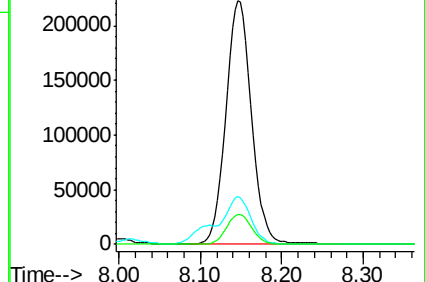
87 12.3 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VN058642.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058642.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058642.D (-1962) (-)



#44

Trichloroethene

Concen: 46.699 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058642.D

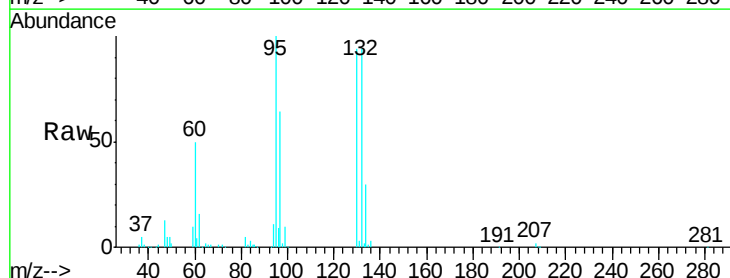
Acq: 9 Oct 2019 15:44

Tgt Ion: 130 Resp: 226198

Ion Ratio Lower Upper

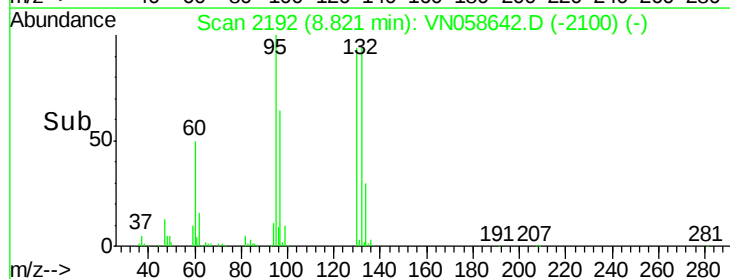
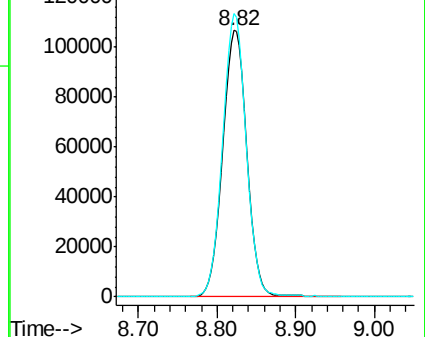
130 100

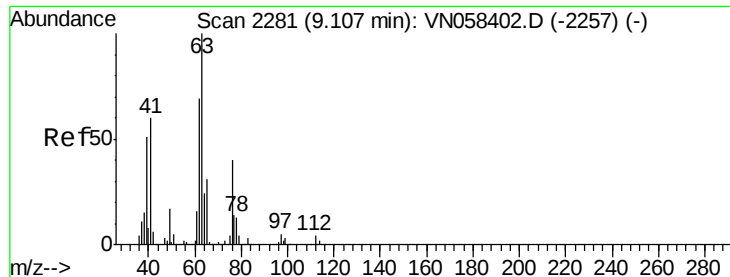
95 106.4 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): VN058642.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058642.D (-2176) (-)





#45

1,2-Dichloropropane

Concen: 47.822 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

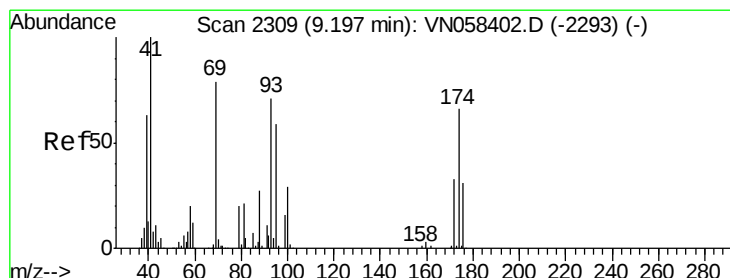
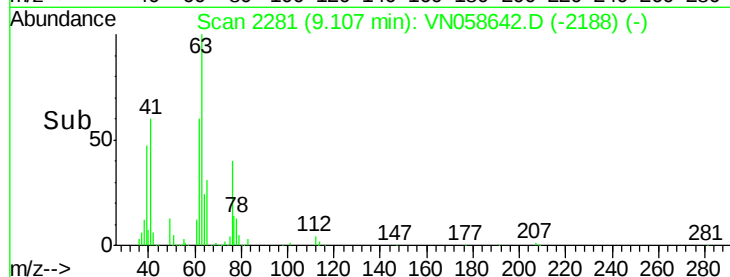
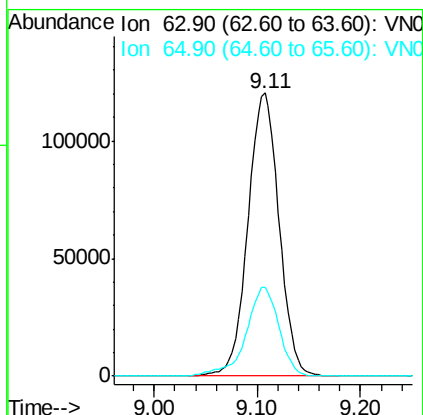
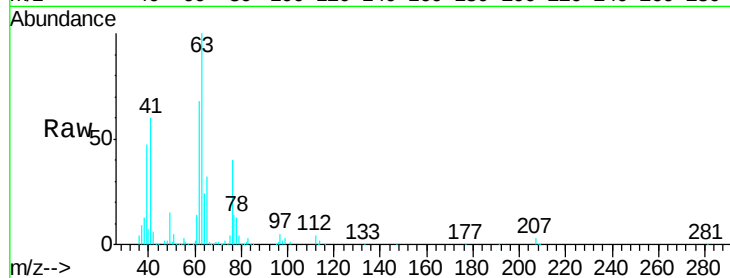
VSTDCCC050

Tgt Ion: 63 Resp: 251592

Ion Ratio Lower Upper

63 100

65 31.5 25.0 37.4



#46

Dibromomethane

Concen: 47.023 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

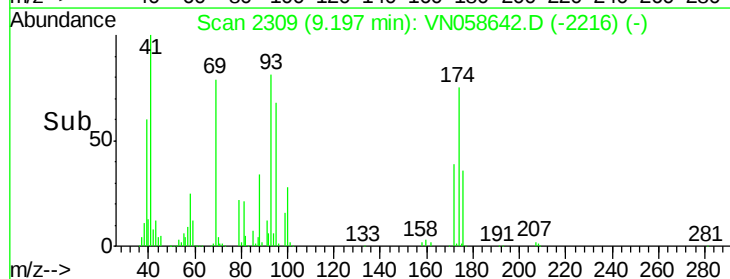
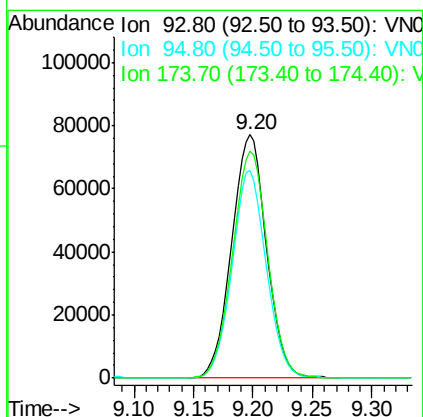
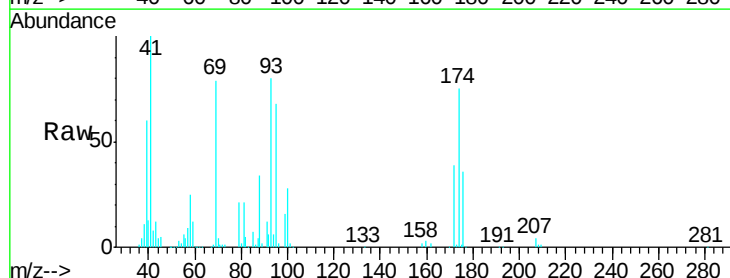
Tgt Ion: 93 Resp: 156669

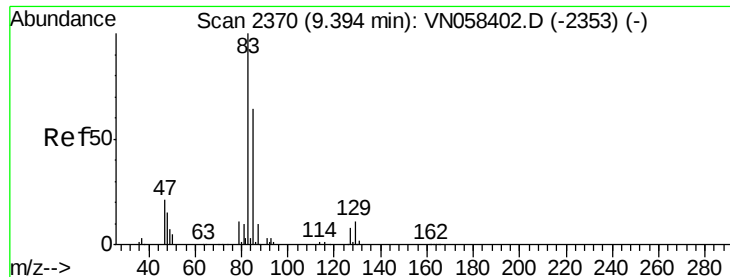
Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.4

174 94.0 74.2 111.2





#47

Bromodichloromethane

Concen: 52.057 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

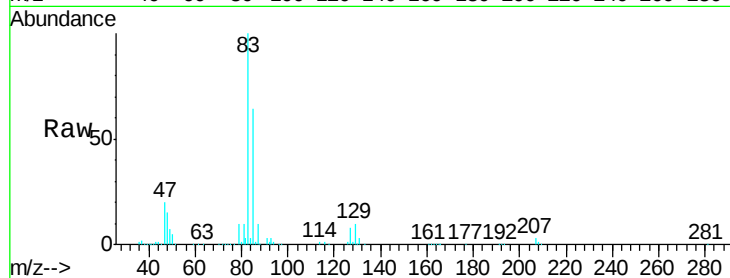
Tgt Ion: 83 Resp: 328615

Ion Ratio Lower Upper

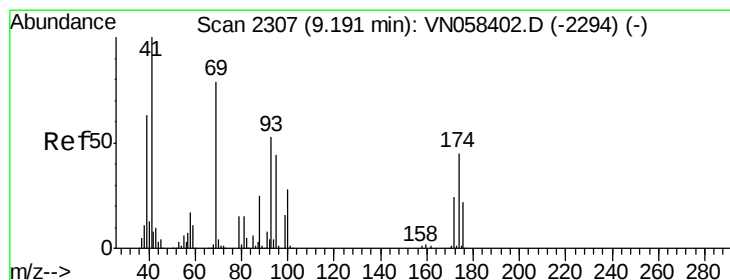
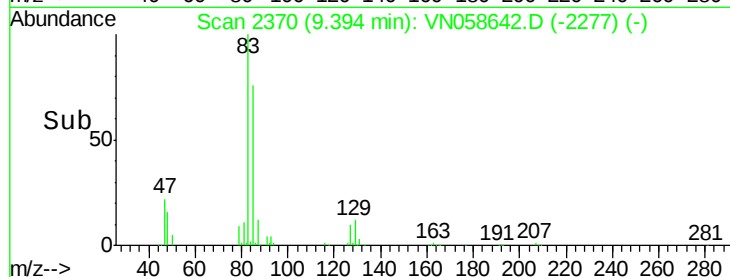
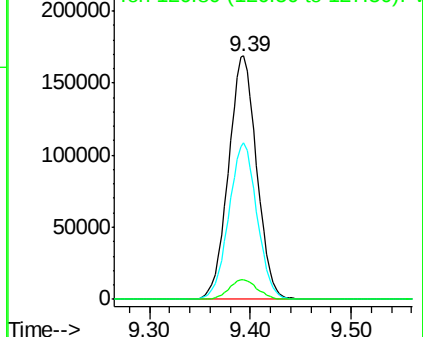
83 100

85 64.5 51.2 76.8

127 8.1 6.3 9.5



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



#48

Methyl methacrylate

Concen: 45.791 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

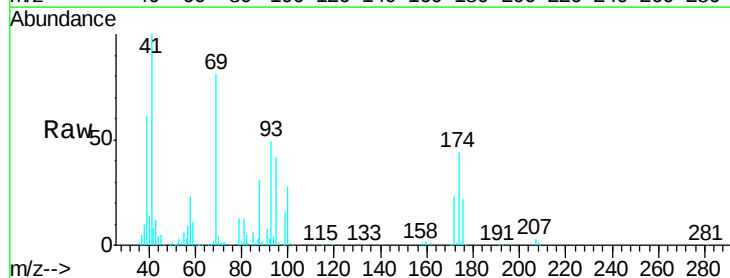
Tgt Ion: 41 Resp: 226862

Ion Ratio Lower Upper

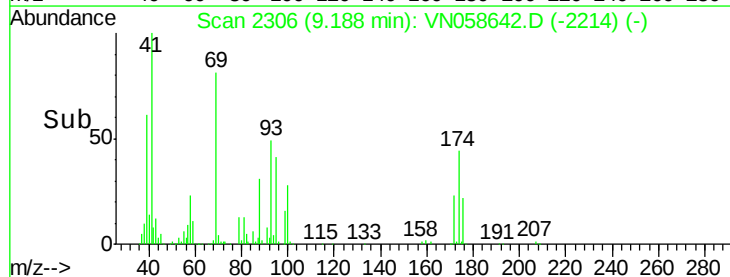
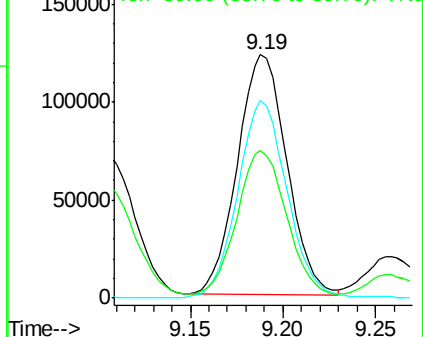
41 100

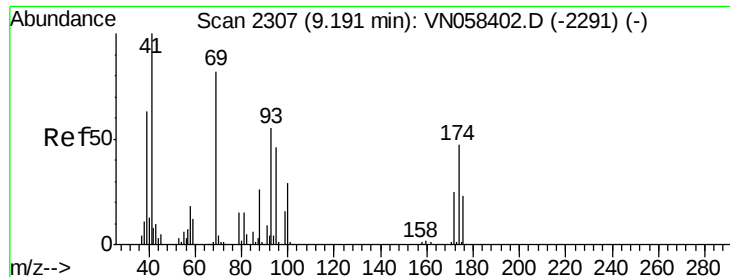
69 82.8 64.7 97.1

39 62.8 52.9 79.3



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

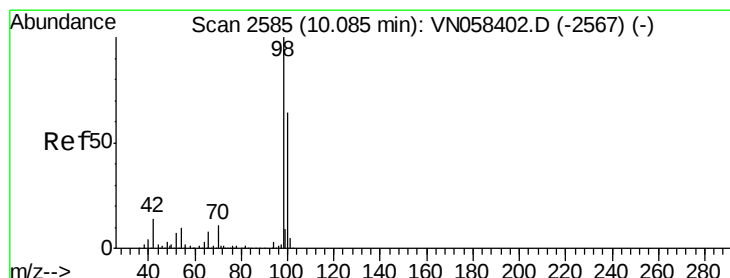
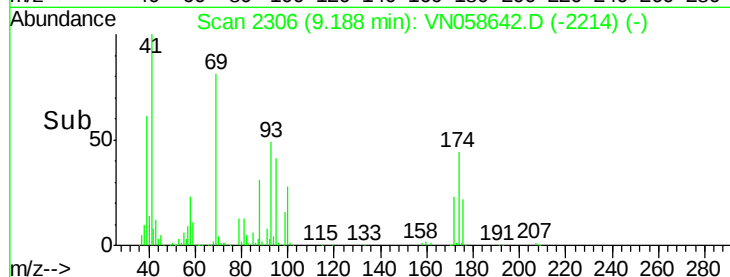
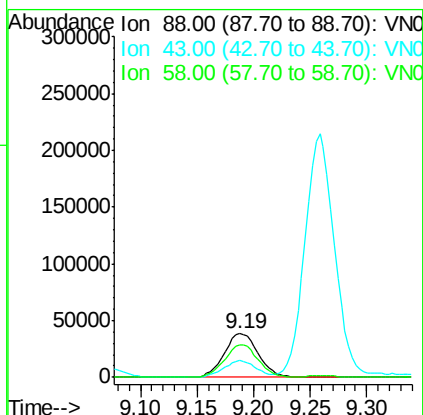
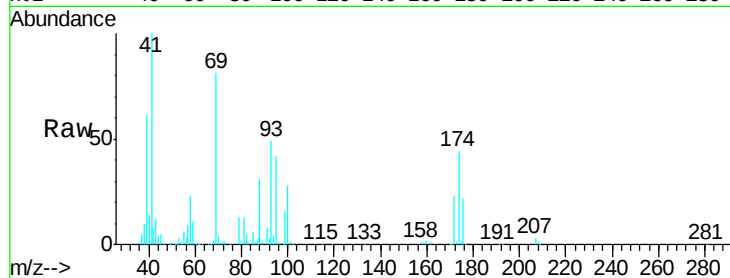




#49
 1,4-Dioxane
 Concen: 1241.849 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

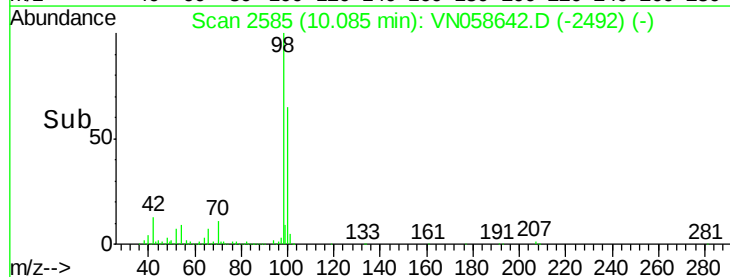
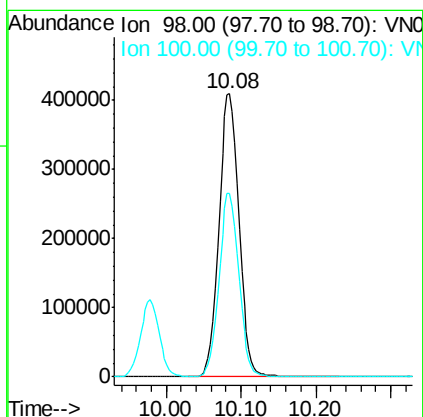
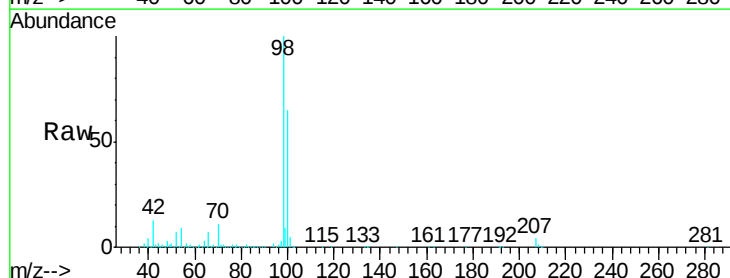
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

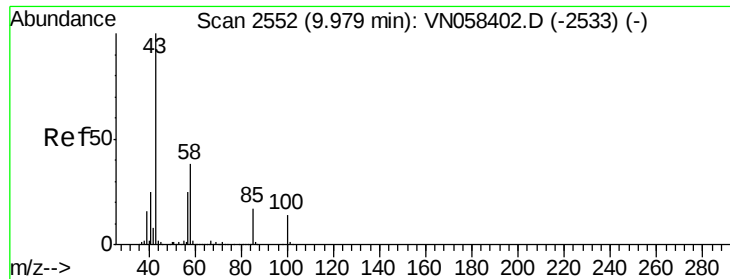
Tgt Ion: 88 Resp: 82267
 Ion Ratio Lower Upper
 88 100
 43 34.7 31.1 46.7
 58 72.4 58.1 87.1



#50
 Toluene-d8
 Concen: 44.297 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion: 98 Resp: 759066
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.0 76.6

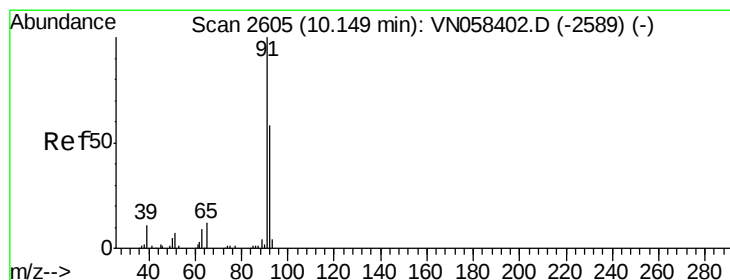
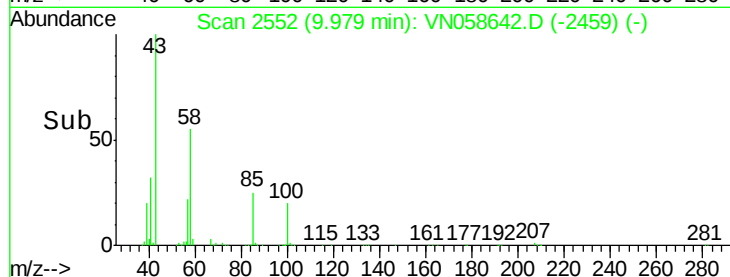
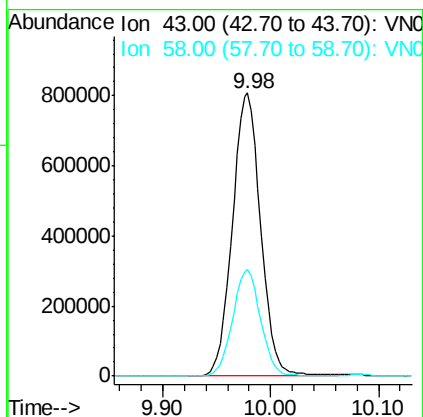
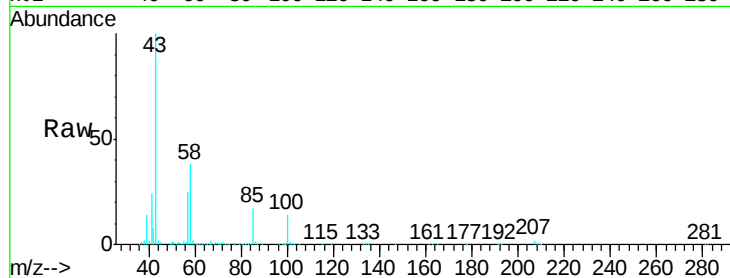




#51
 4-Methyl-2-Pentanone
 Concen: 263.411 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

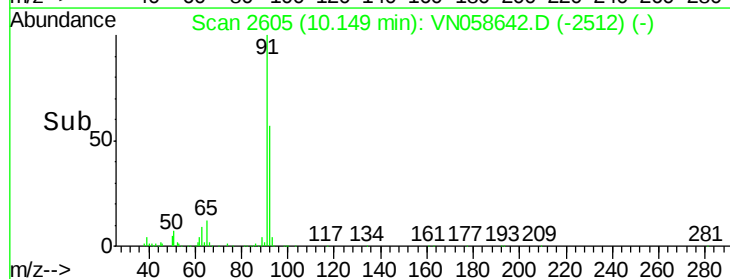
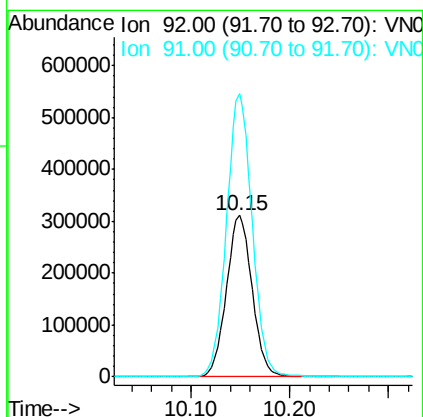
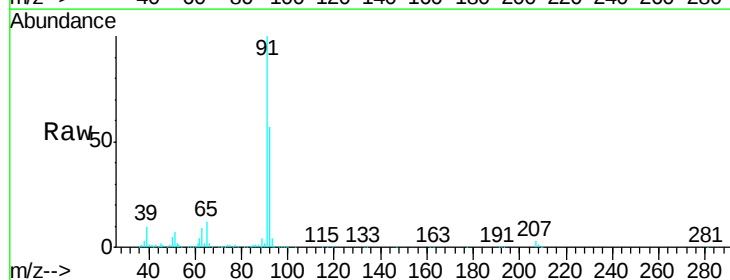
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

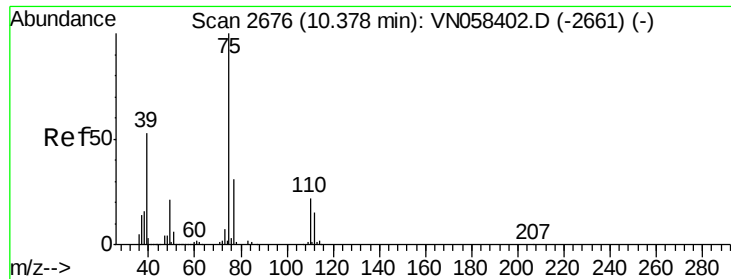
Tgt Ion: 43 Resp: 1472161
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.2 45.2



#52
 Toluene
 Concen: 46.227 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion: 92 Resp: 570780
 Ion Ratio Lower Upper
 92 100
 91 175.2 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 54.491 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

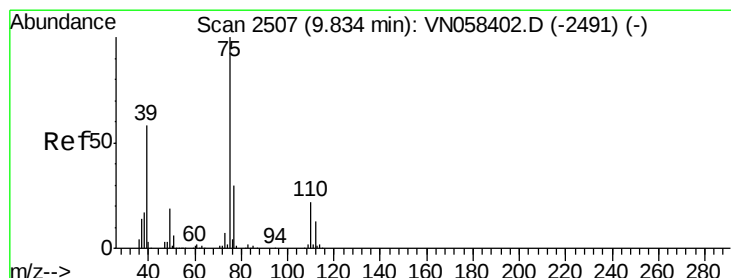
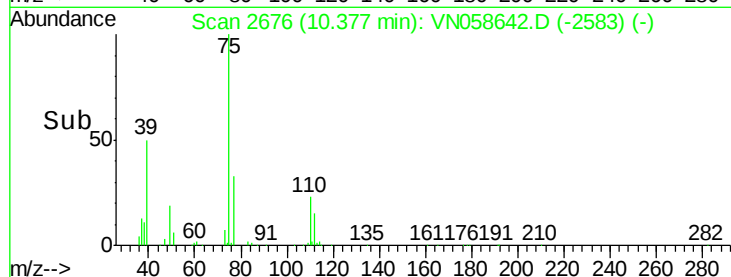
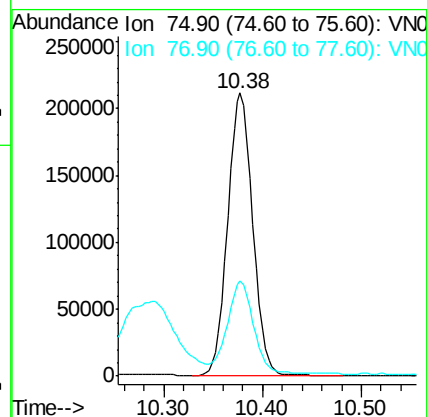
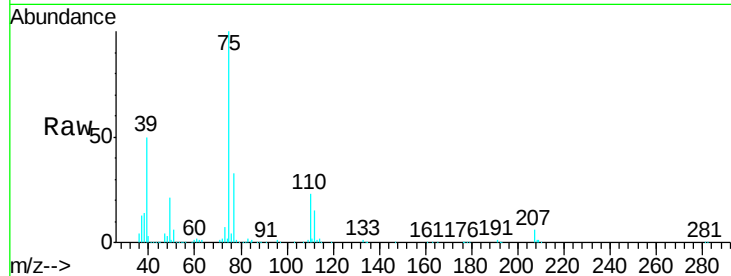
VSTDCCC050

Tgt Ion: 75 Resp: 374396

Ion Ratio Lower Upper

75 100

77 32.7 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 52.599 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

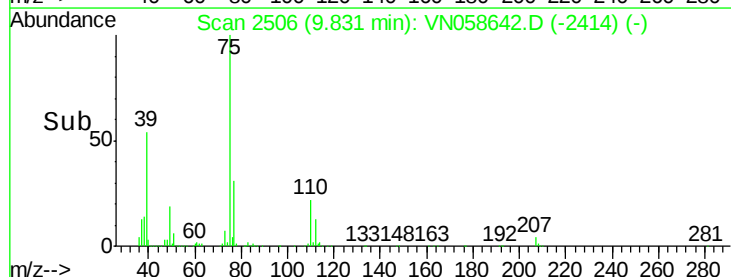
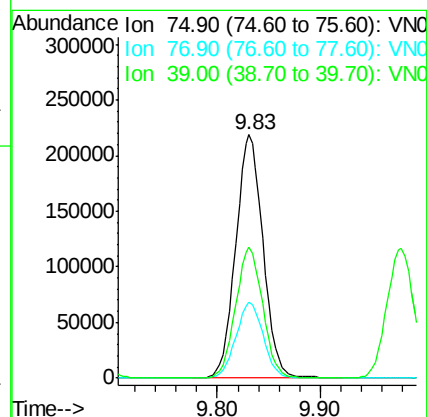
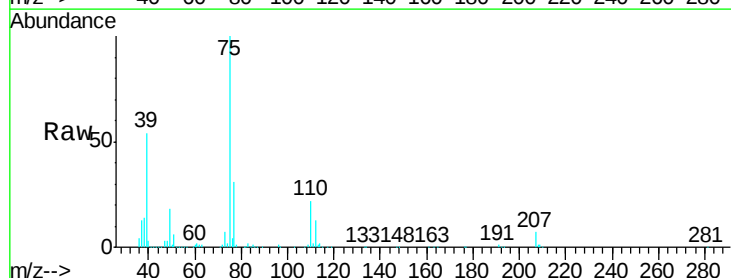
Tgt Ion: 75 Resp: 401168

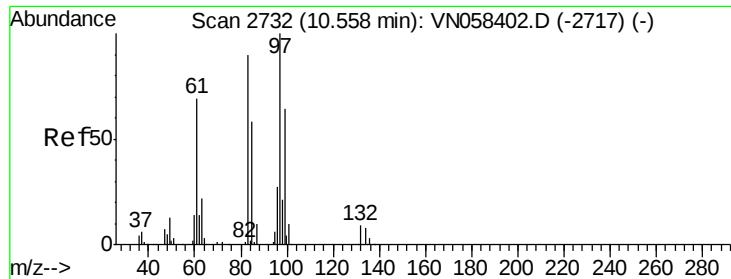
Ion Ratio Lower Upper

75 100

77 31.2 24.2 36.4

39 53.7 46.4 69.6

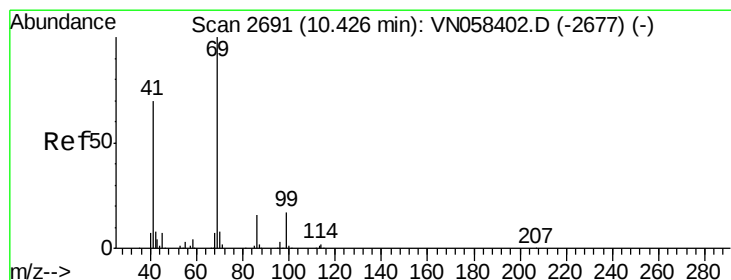
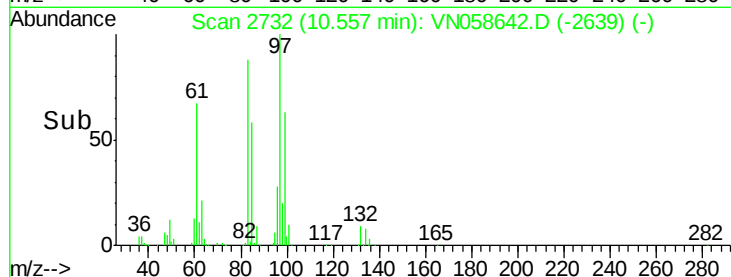
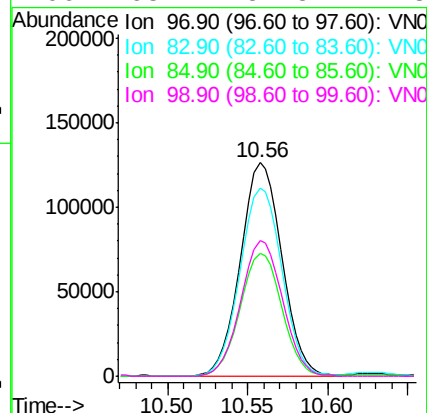
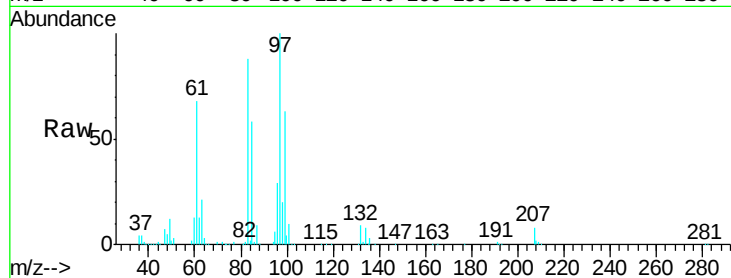




#55
 1,1,2-Trichloroethane
 Concen: 49.862 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

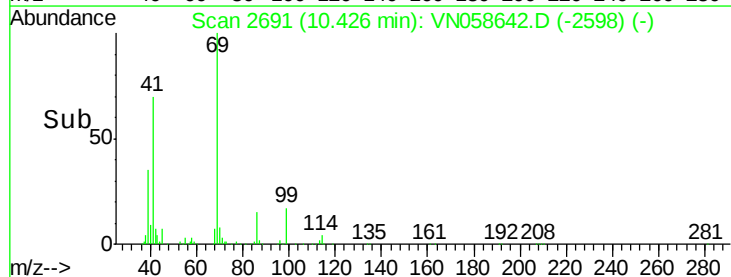
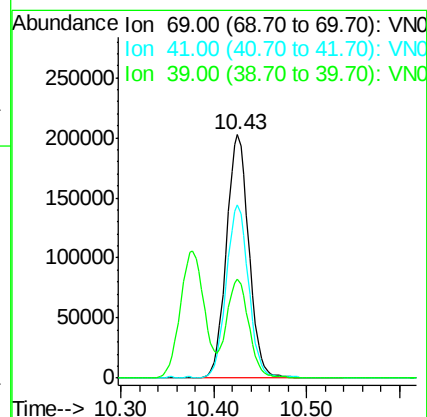
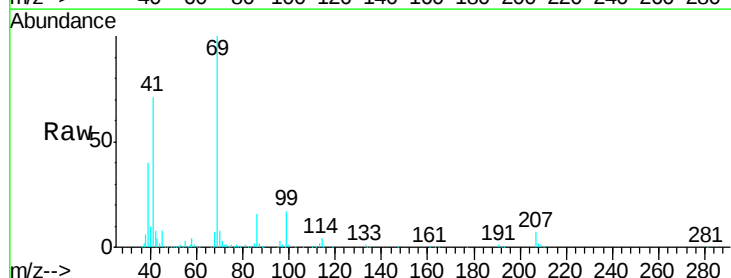
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

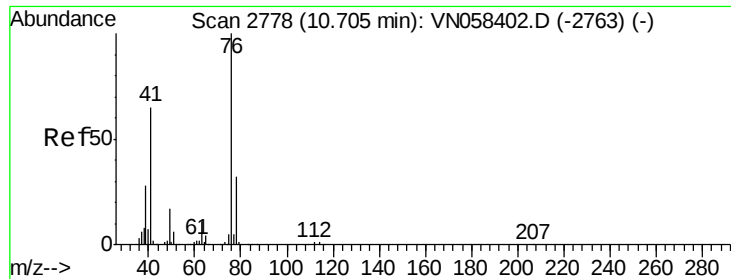
Tgt Ion: 97 Resp: 224174
 Ion Ratio Lower Upper
 97 100
 83 87.7 71.8 107.6
 85 57.5 46.6 69.8
 99 63.1 51.5 77.3



#56
 Ethyl methacrylate
 Concen: 50.076 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion: 69 Resp: 341619
 Ion Ratio Lower Upper
 69 100
 41 69.6 56.3 84.5
 39 39.6 35.8 53.6

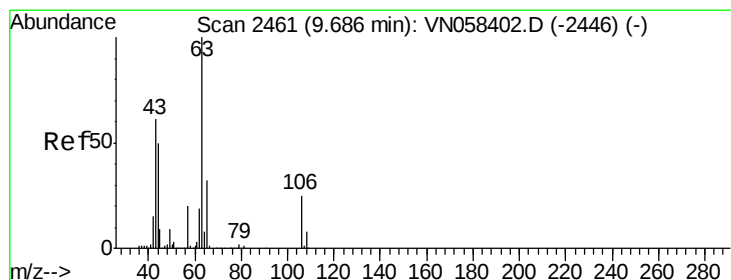
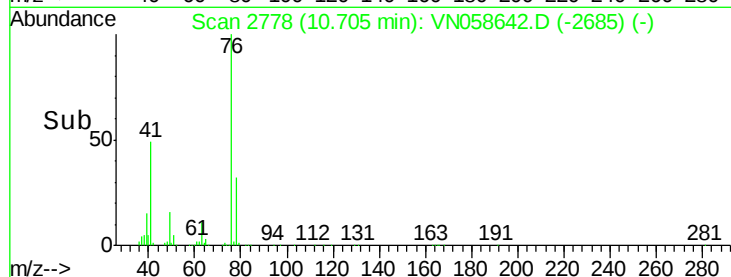
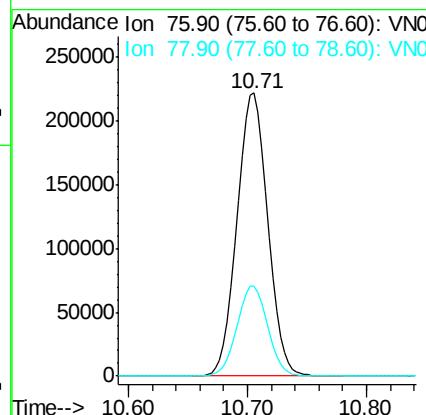
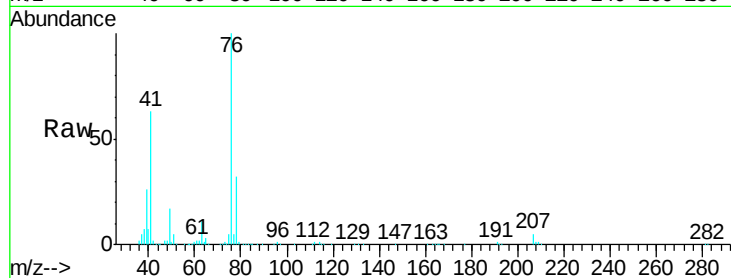




#57
 1,3-Dichloropropane
 Concen: 49.604 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

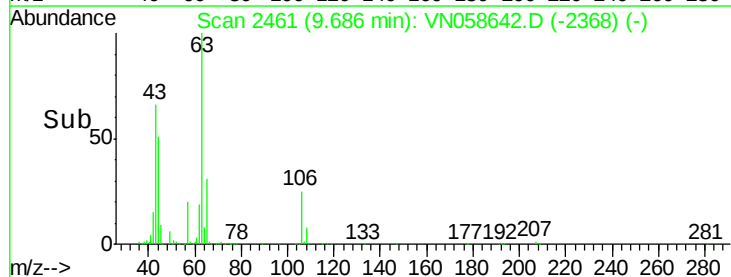
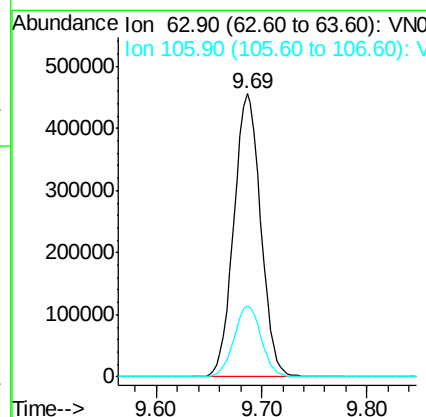
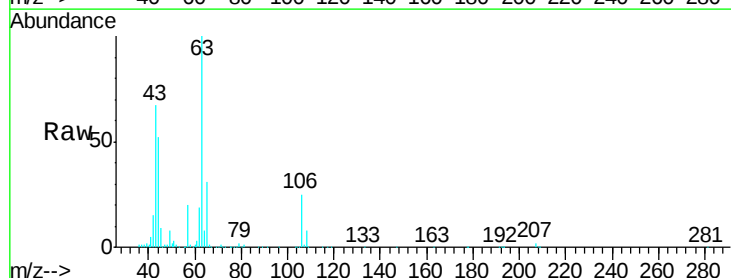
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

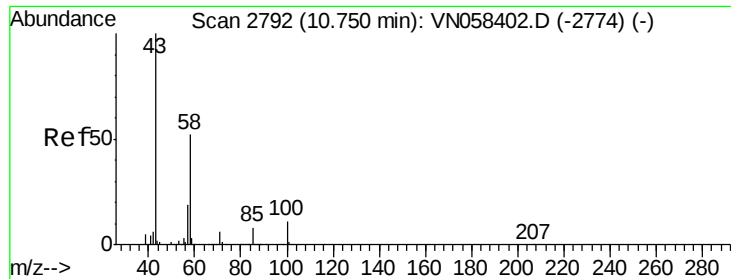
Tgt Ion: 76 Resp: 397793
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 295.350 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion: 63 Resp: 803430
 Ion Ratio Lower Upper
 63 100
 106 25.4 20.3 30.5

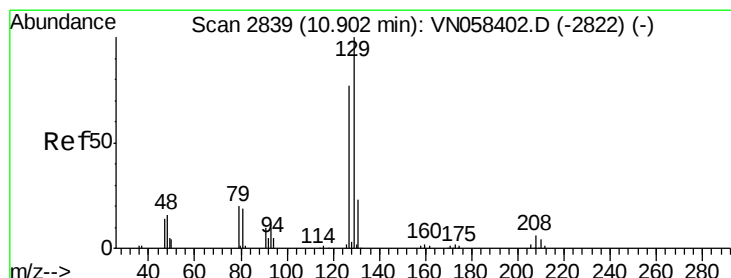
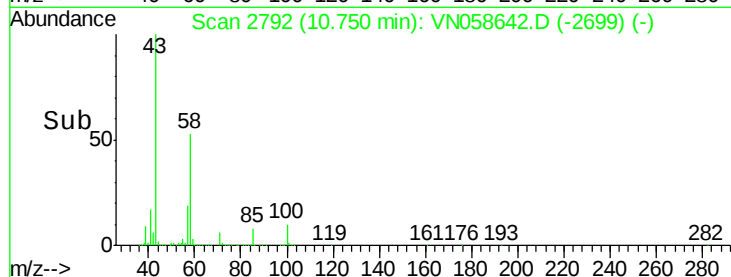
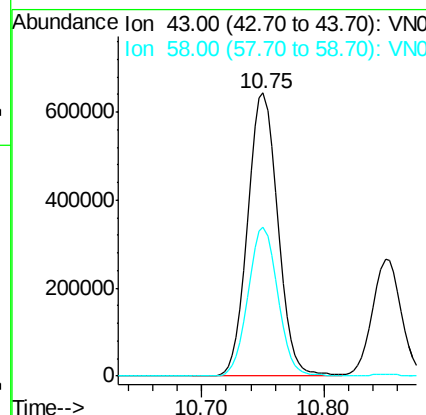
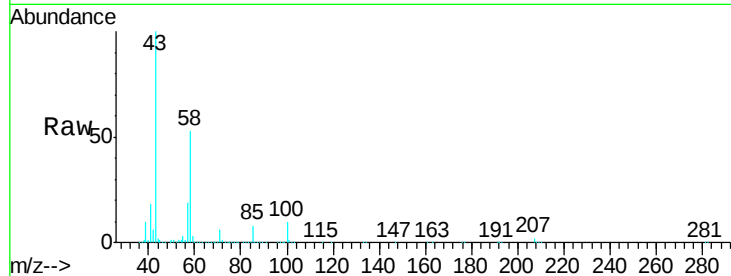




#59
2-Hexanone
Concen: 268.119 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

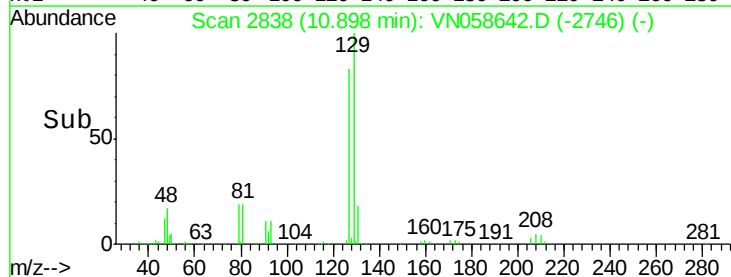
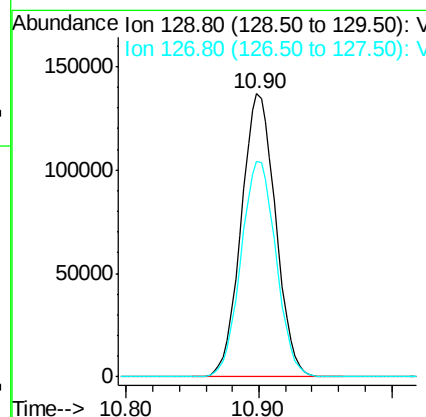
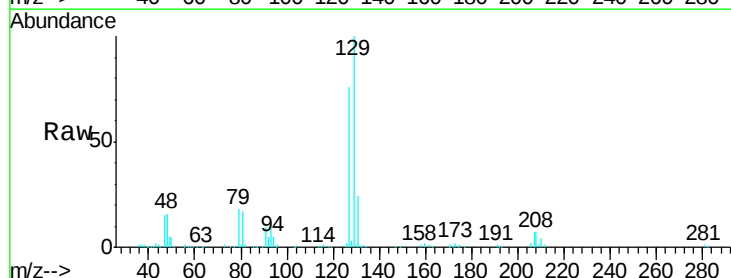
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

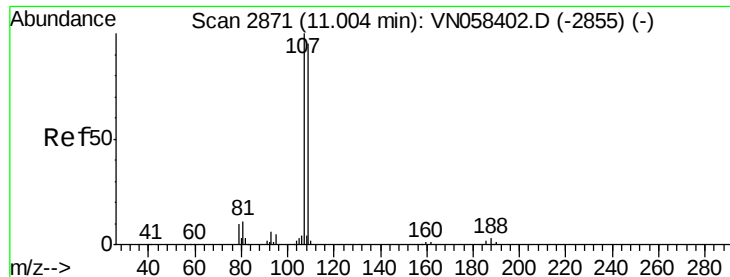
Tgt Ion: 43 Resp: 1091113
Ion Ratio Lower Upper
43 100
58 52.2 25.8 77.3



#60
Dibromochloromethane
Concen: 52.913 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion: 129 Resp: 246196
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8





#61

1,2-Dibromoethane

Concen: 48.843 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampled :

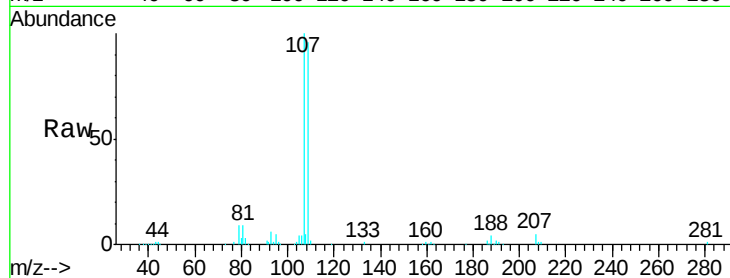
VSTDCCC050

Tgt Ion: 107 Resp: 224379

Ion Ratio Lower Upper

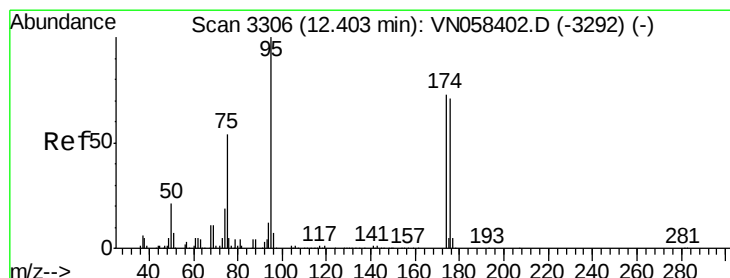
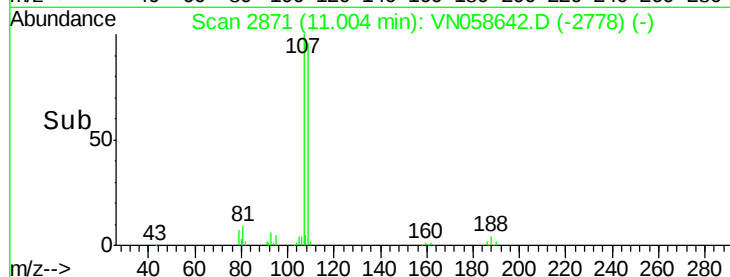
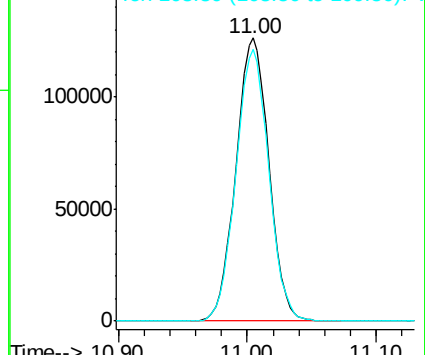
107 100

109 95.6 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.514 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

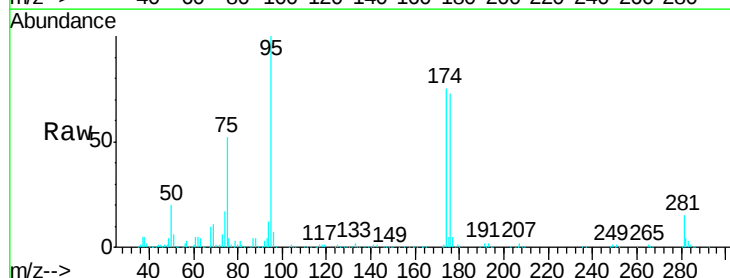
Tgt Ion: 95 Resp: 294397

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.6

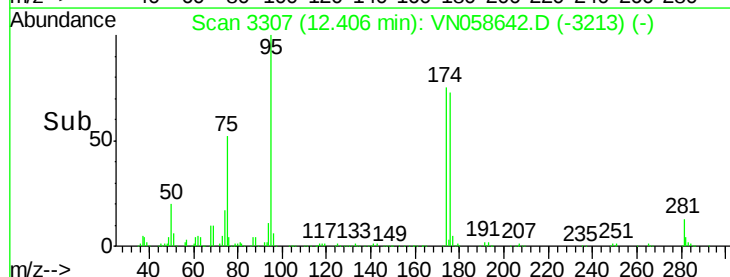
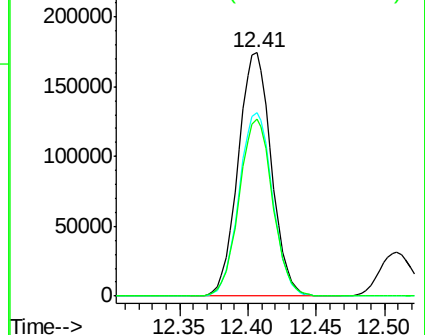
176 73.1 0.0 146.2

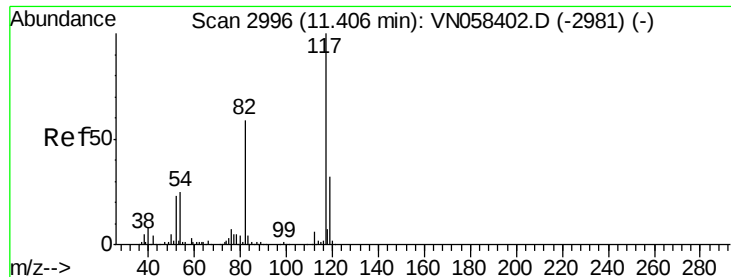


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

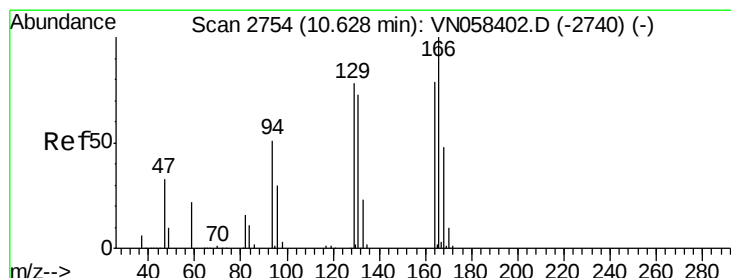
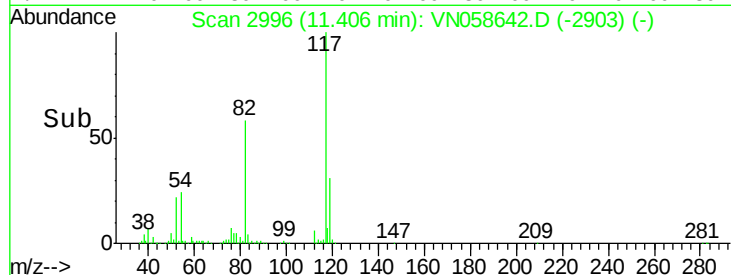
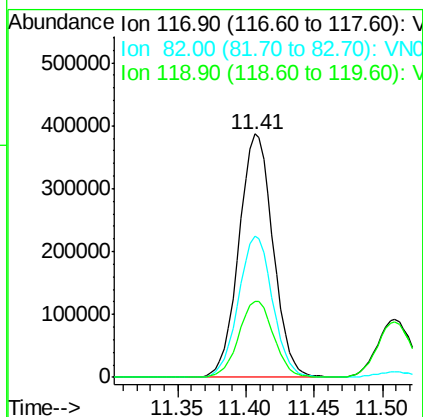
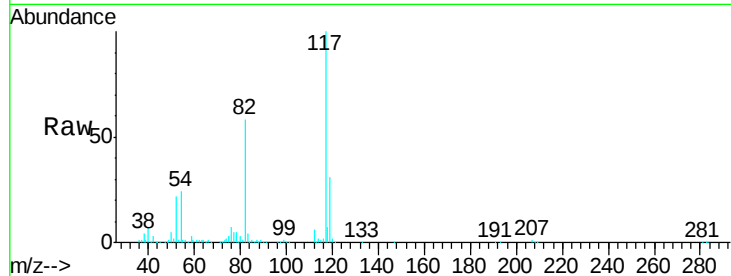




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

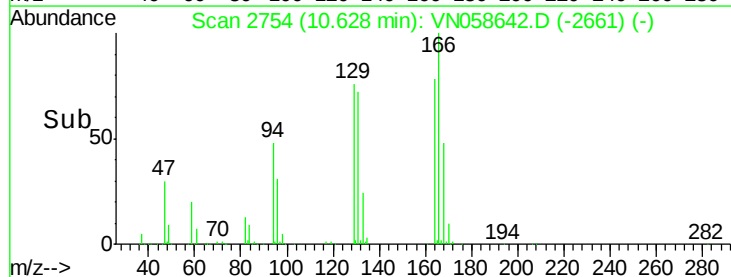
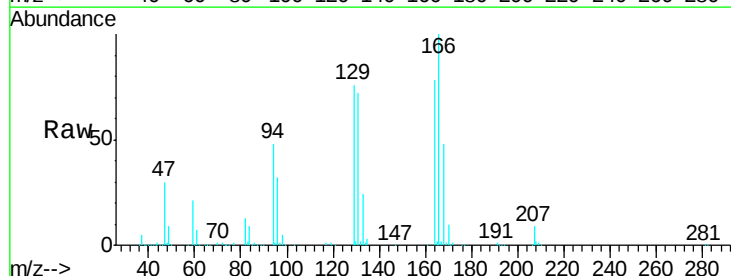
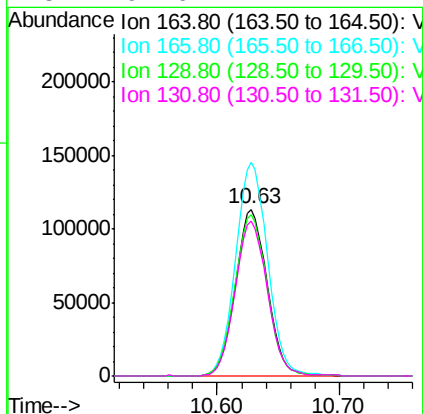
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

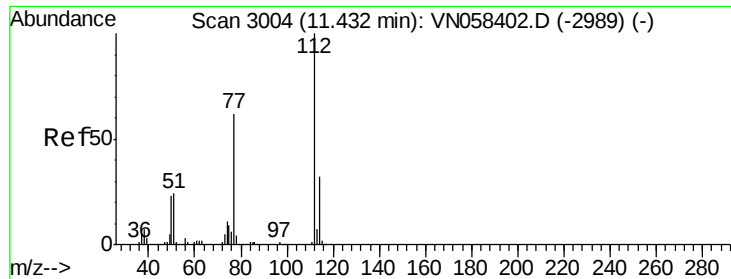
Tgt Ion:117 Resp: 672592
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.0
119 31.3 25.5 38.3



#64
Tetrachloroethene
Concen: 47.829 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion:164 Resp: 204383
Ion Ratio Lower Upper
164 100
166 128.2 101.1 151.7
129 96.8 79.2 118.8
131 92.6 74.1 111.1

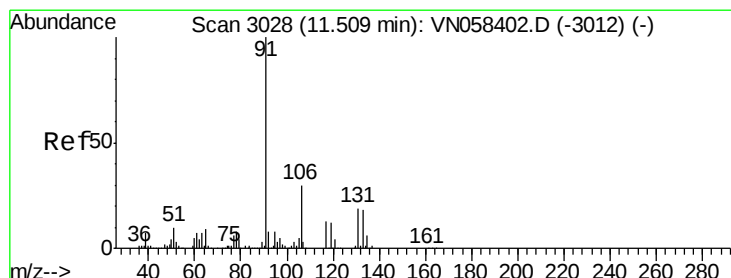
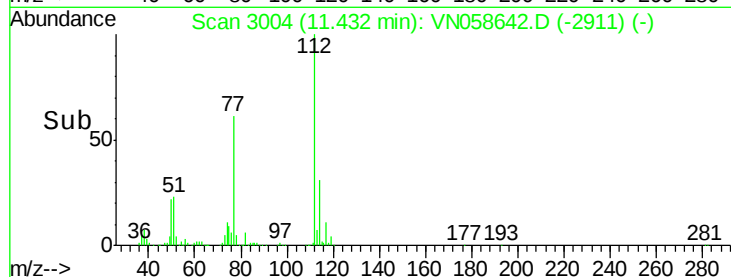
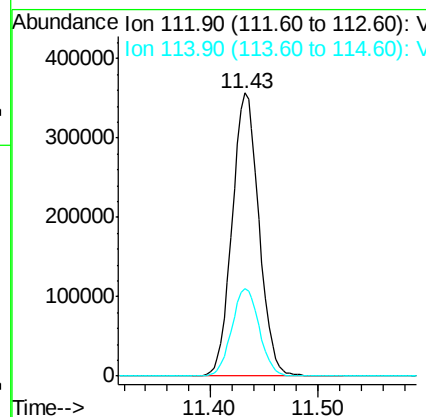
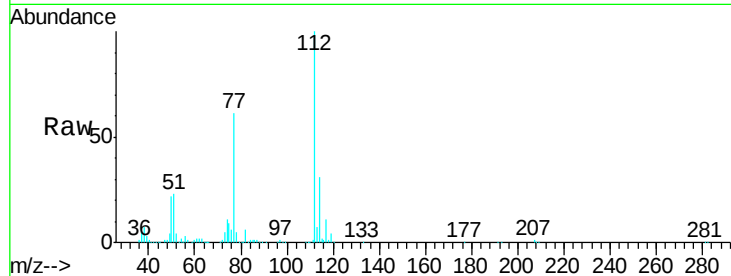




#65
Chlorobenzene
Concen: 45.997 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

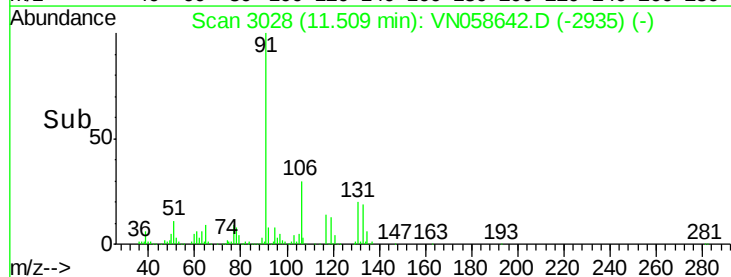
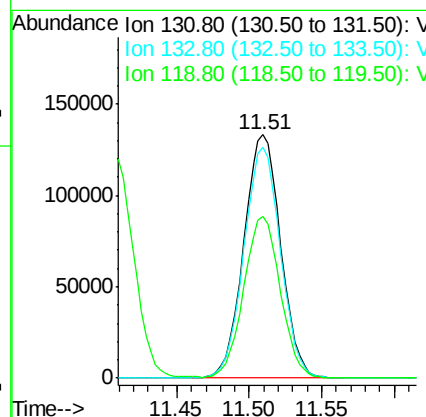
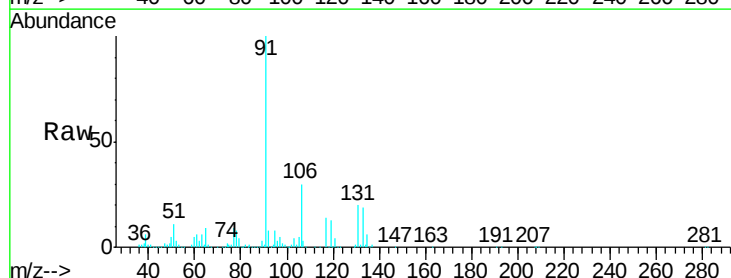
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

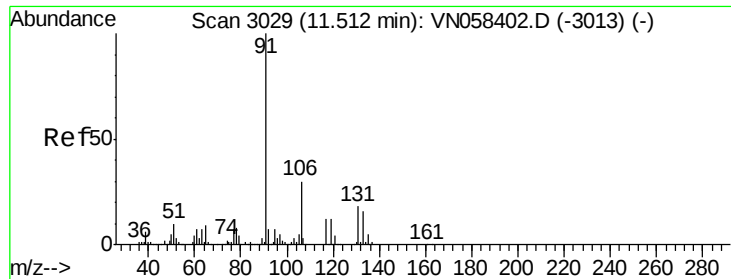
Tgt Ion:112 Resp: 614955
Ion Ratio Lower Upper
112 100
114 30.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.343 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion:131 Resp: 235779
Ion Ratio Lower Upper
131 100
133 93.9 47.8 143.3
119 65.9 33.0 99.0





#67

Ethyl Benzene

Concen: 46.968 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

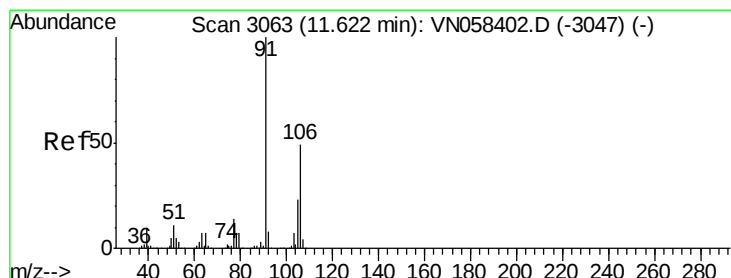
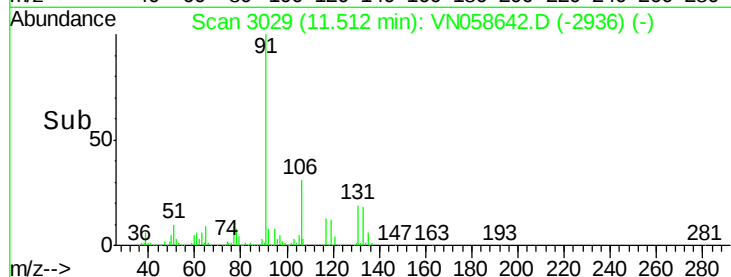
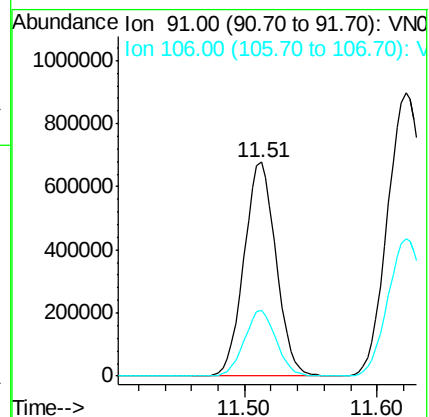
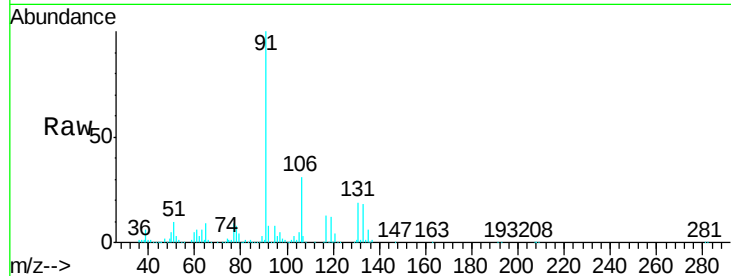
VSTDCCC050

Tgt Ion: 91 Resp: 1137385

Ion Ratio Lower Upper

91 100

106 30.6 24.3 36.5



#68

m/p-Xylenes

Concen: 92.508 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058642.D

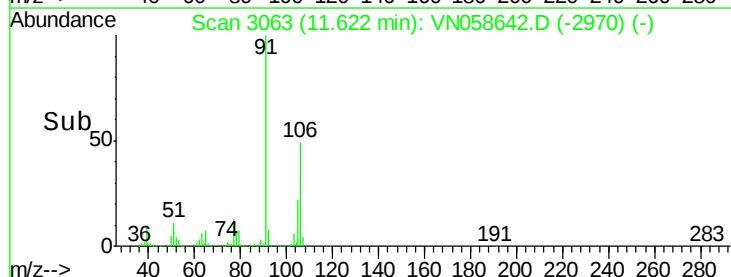
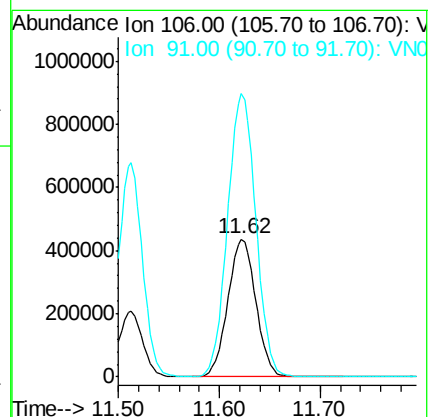
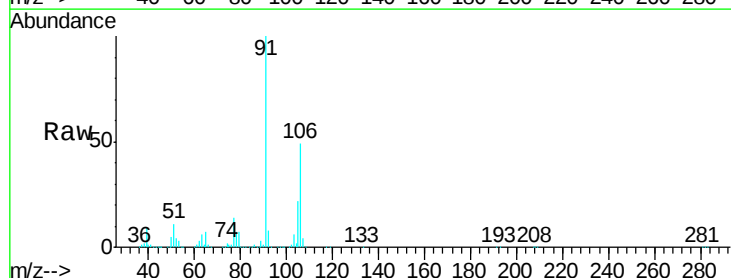
Acq: 9 Oct 2019 15:44

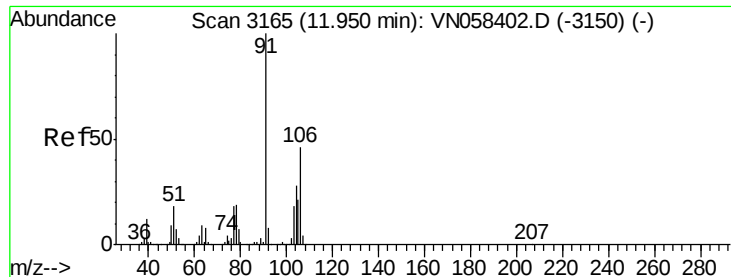
Tgt Ion: 106 Resp: 842847

Ion Ratio Lower Upper

106 100

91 208.0 165.0 247.4





#69

o-Xylene

Concen: 46.369 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

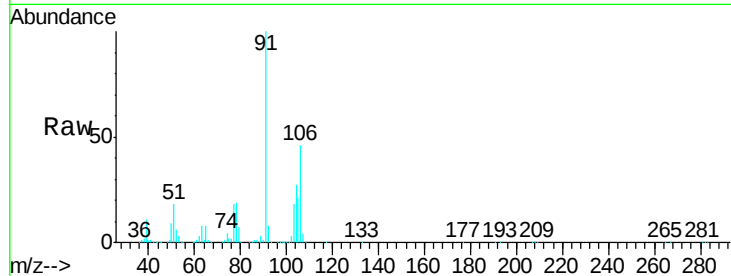
VSTDCCC050

Tgt Ion:106 Resp: 406688

Ion Ratio Lower Upper

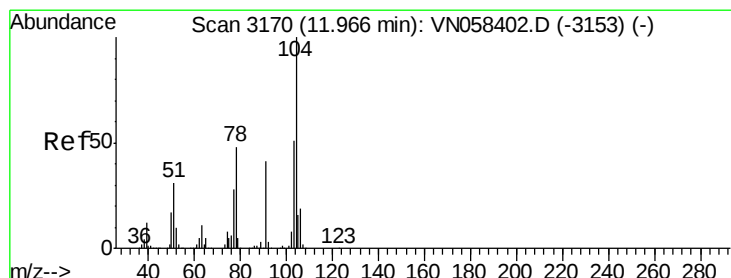
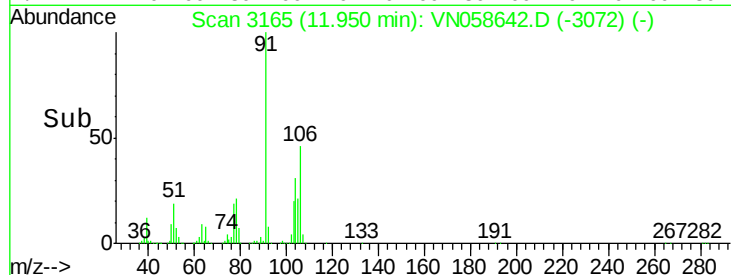
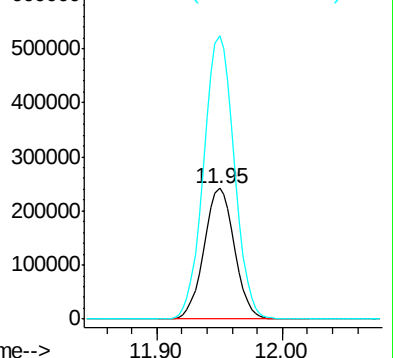
106 100

91 218.9 109.1 327.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 47.764 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

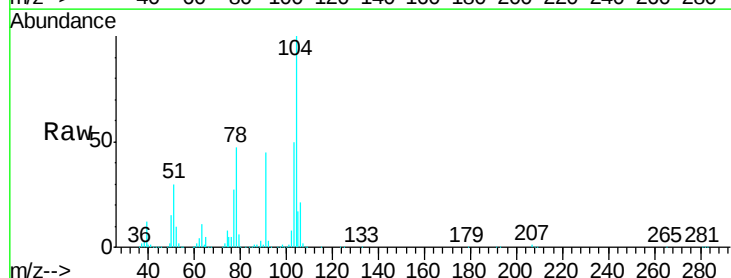
Tgt Ion:104 Resp: 680565

Ion Ratio Lower Upper

104 100

78 52.9 42.8 64.2

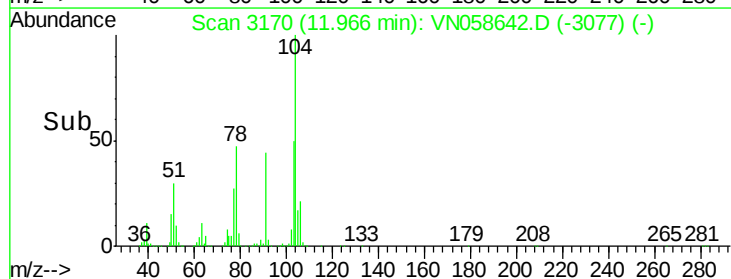
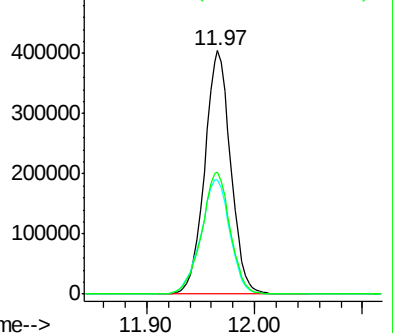
103 54.4 43.7 65.5

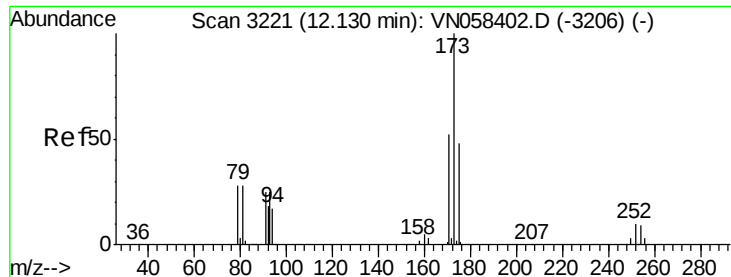


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

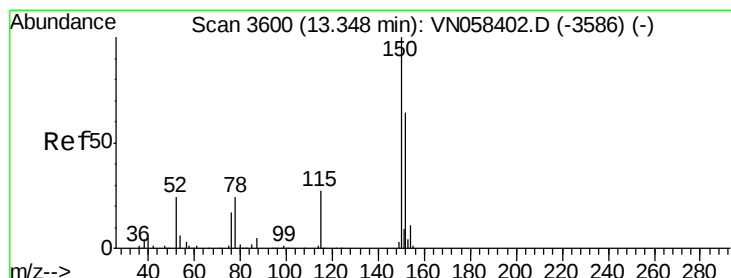
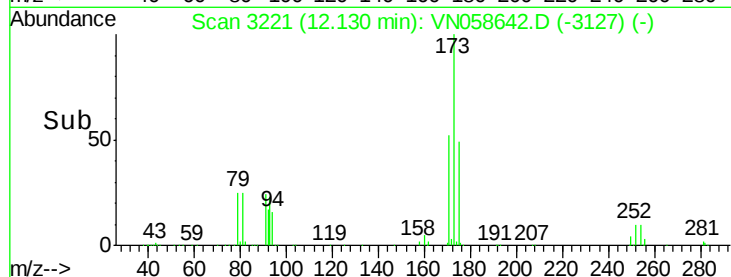
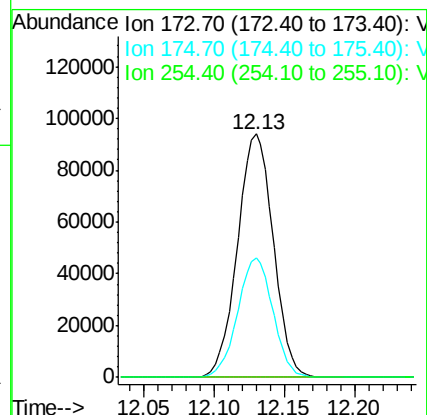
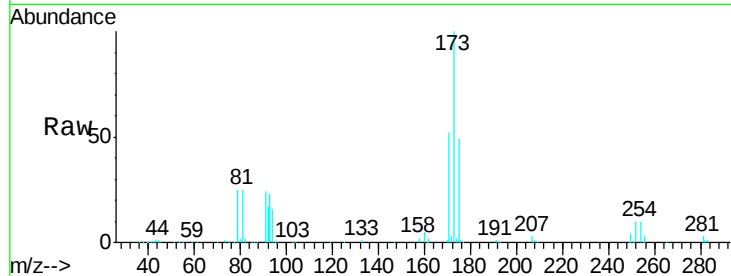




#71
Bromoform
Concen: 53.714 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

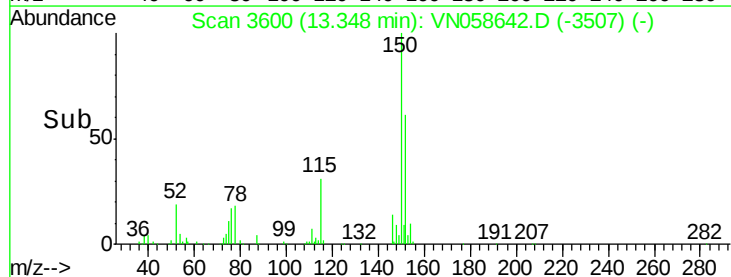
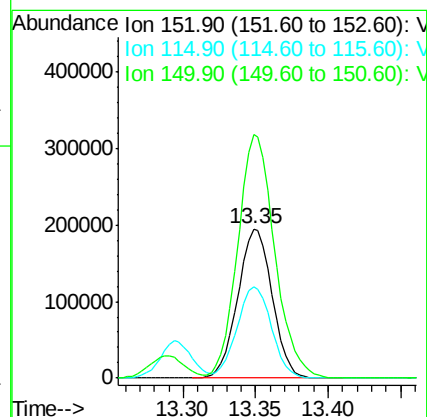
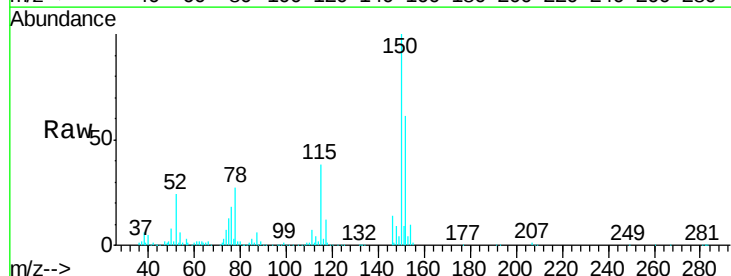
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

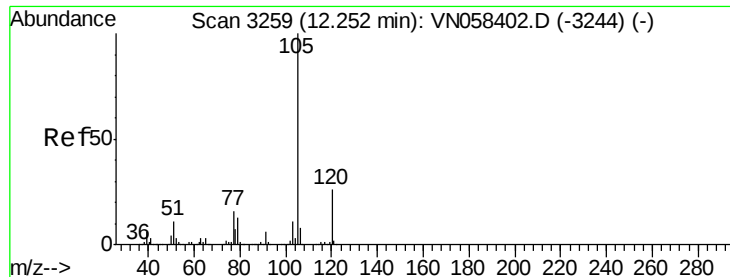
Tgt Ion:173 Resp: 167370
Ion Ratio Lower Upper
173 100
175 48.3 24.3 73.0
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion:152 Resp: 321047
Ion Ratio Lower Upper
152 100
115 61.1 30.0 90.0
150 175.2 0.0 348.2





#73

Isopropylbenzene

Concen: 46.951 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

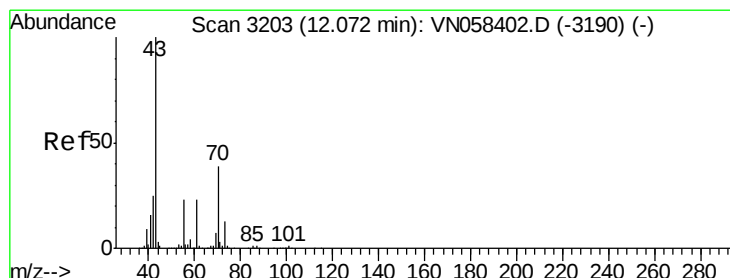
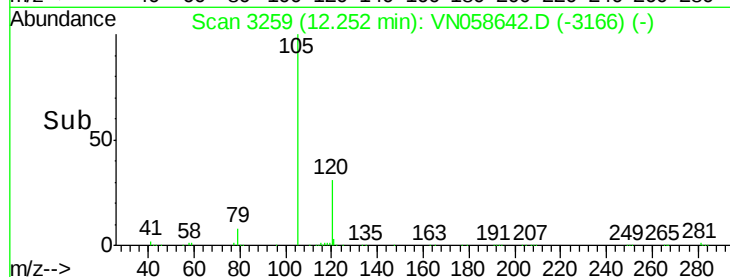
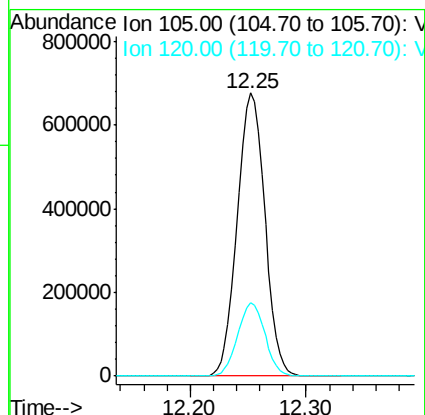
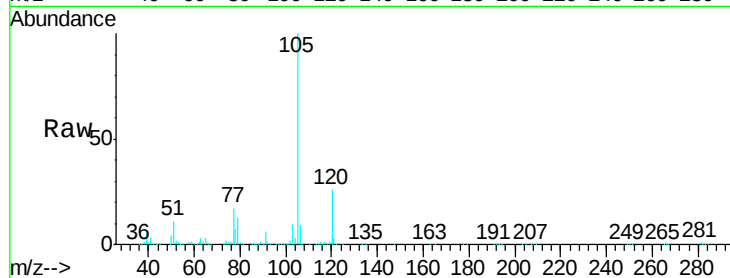
VSTDCCC050

Tgt Ion:105 Resp: 1113966

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4



#74

N-ethyl acetate

Concen: 46.718 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Tgt Ion: 43 Resp: 440972

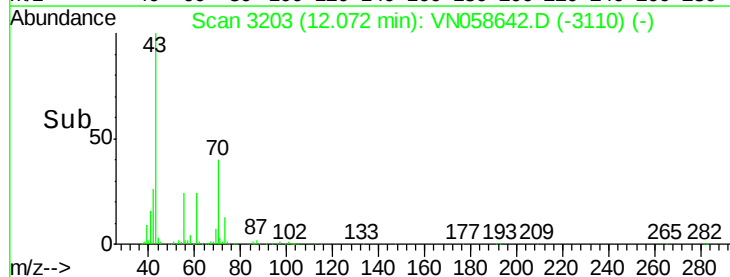
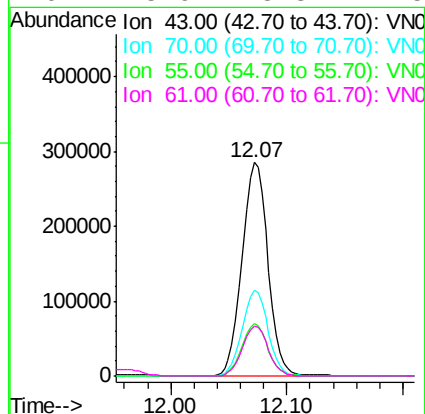
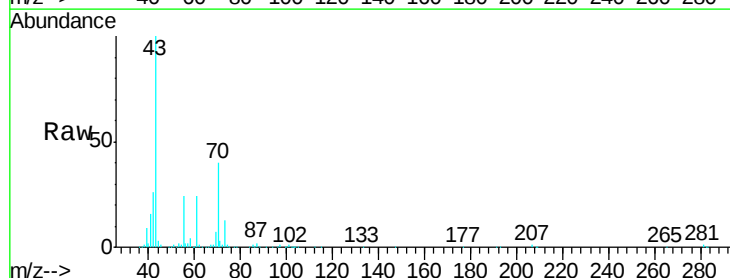
Ion Ratio Lower Upper

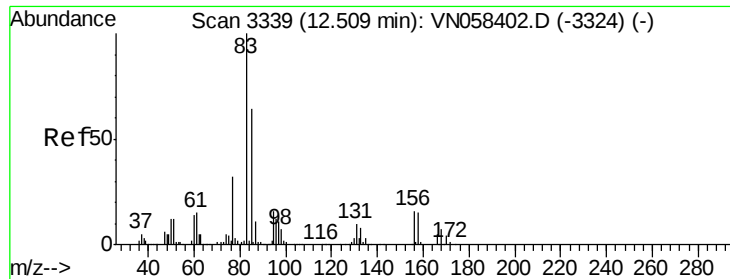
43 100

70 40.3 31.4 47.2

55 24.4 18.2 27.4

61 23.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.386 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

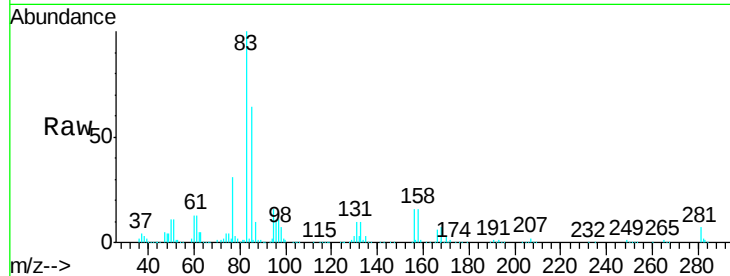
Tgt Ion: 83 Resp: 332452

Ion Ratio Lower Upper

83 100

131 10.3 4.9 14.7

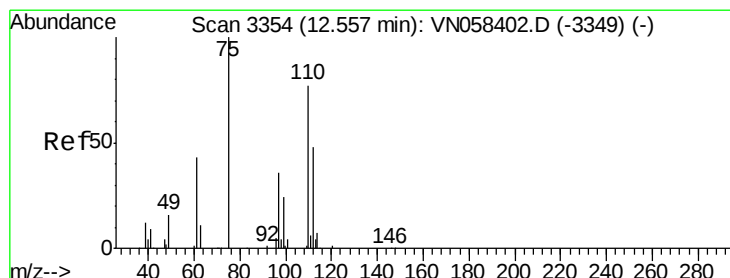
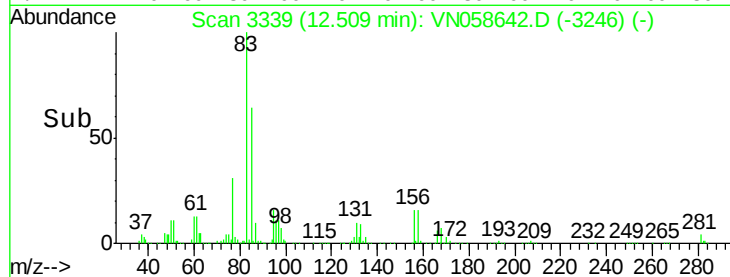
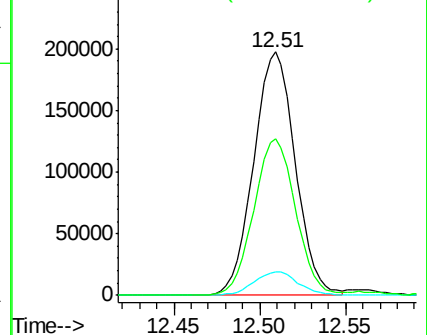
85 64.5 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 74.266 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058642.D

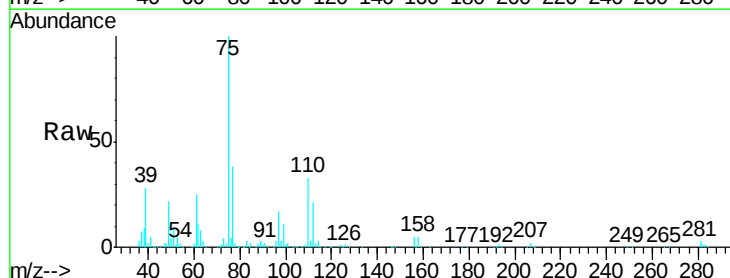
Acq: 9 Oct 2019 15:44

Tgt Ion: 75 Resp: 435492

Ion Ratio Lower Upper

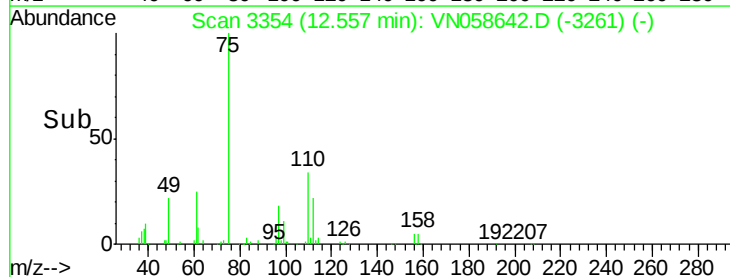
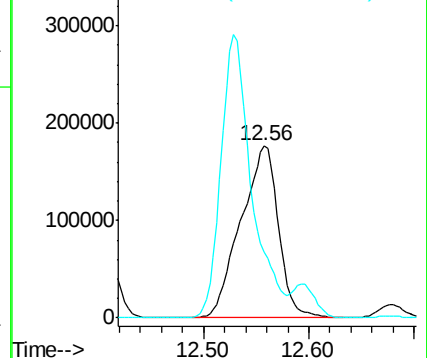
75 100

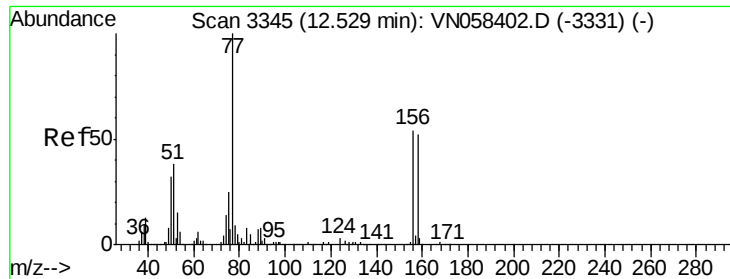
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.575 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

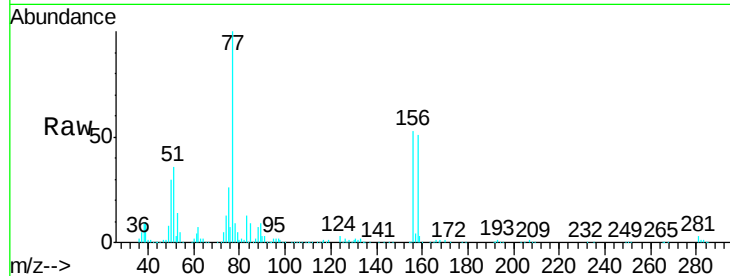
Tgt Ion:156 Resp: 264670

Ion Ratio Lower Upper

156 100

77 222.2 110.0 330.0

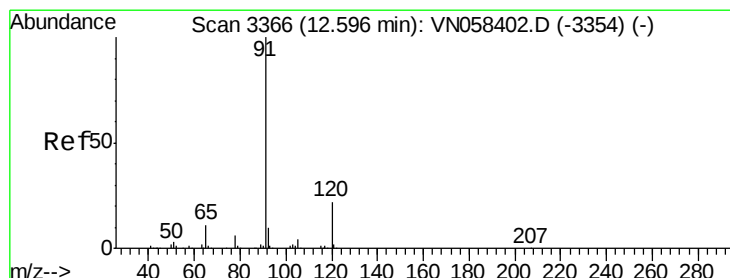
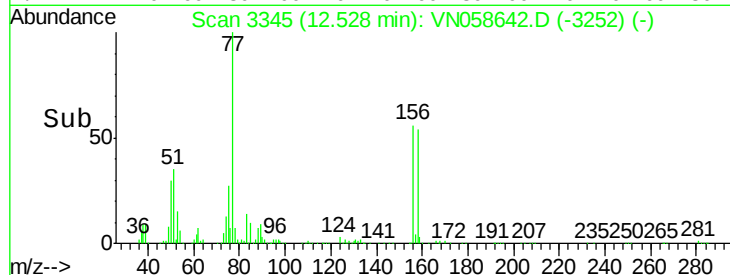
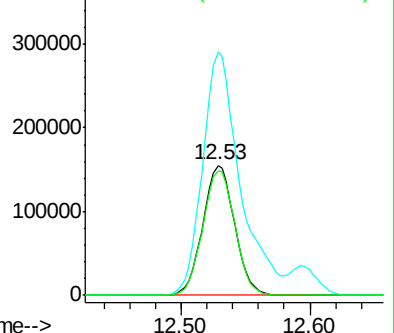
158 97.4 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.150 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058642.D

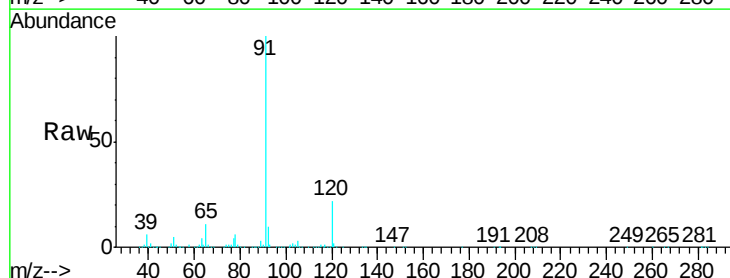
Acq: 9 Oct 2019 15:44

Tgt Ion: 91 Resp: 1313776

Ion Ratio Lower Upper

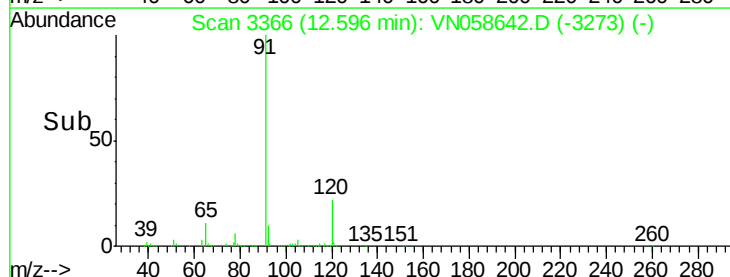
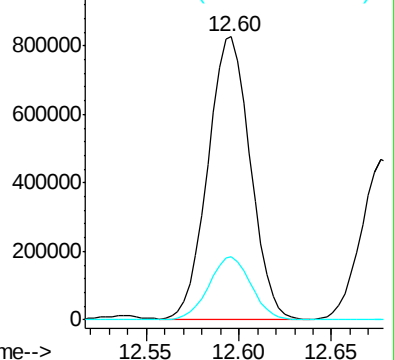
91 100

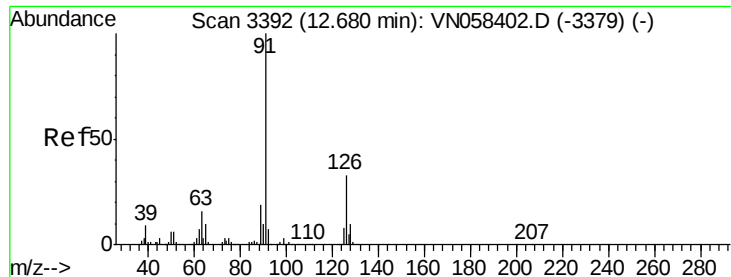
120 22.2 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.641 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

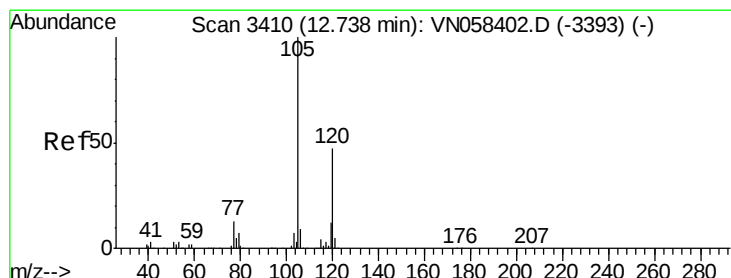
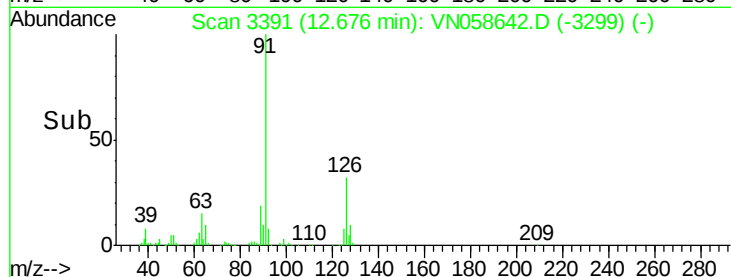
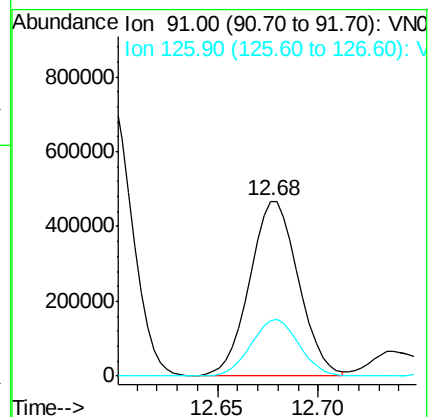
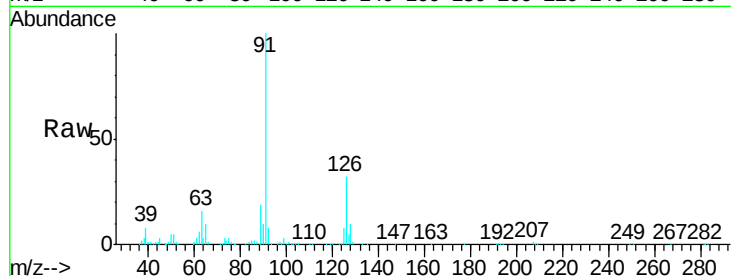
VSTDCCC050

Tgt Ion: 91 Resp: 786023

Ion Ratio Lower Upper

91 100

126 32.4 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 48.347 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058642.D

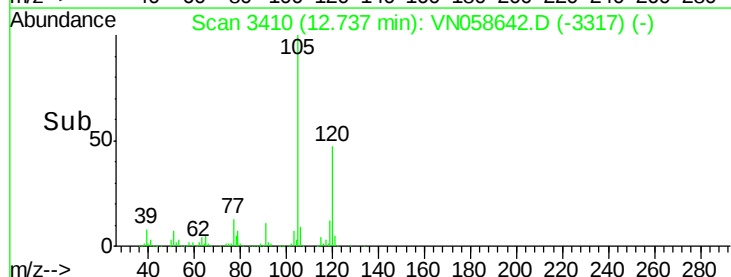
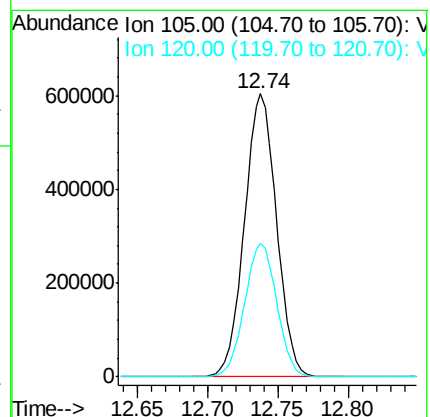
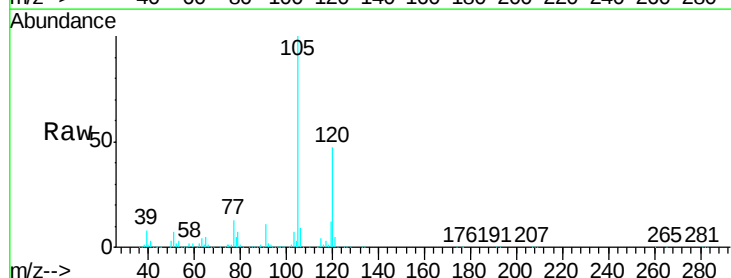
Acq: 9 Oct 2019 15:44

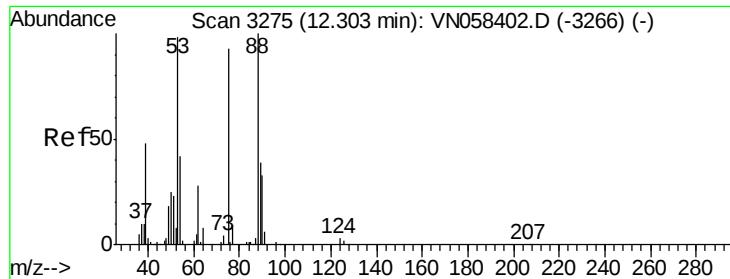
Tgt Ion: 105 Resp: 960229

Ion Ratio Lower Upper

105 100

120 47.4 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 55.829 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

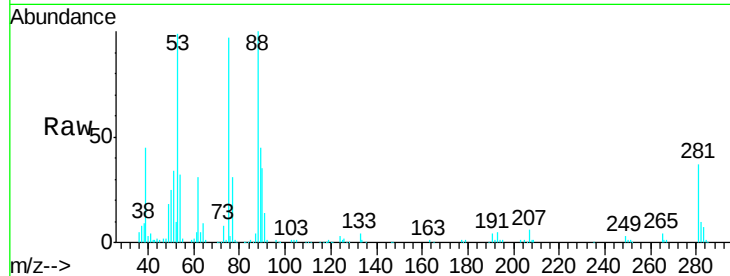
Tgt Ion: 75 Resp: 107792

Ion Ratio Lower Upper

75 100

53 100.1 85.4 128.0

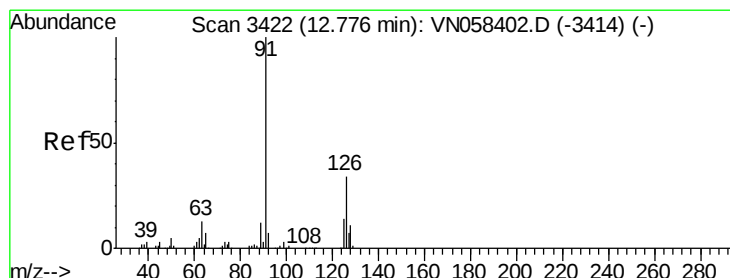
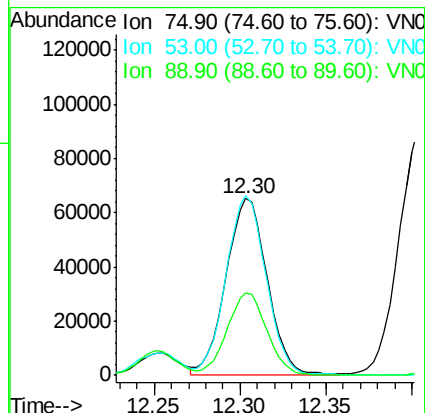
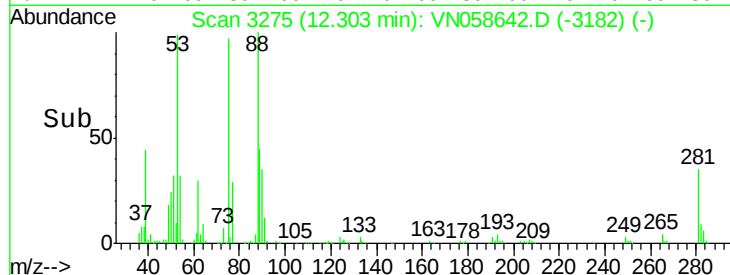
89 45.0 35.0 52.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 47.731 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058642.D

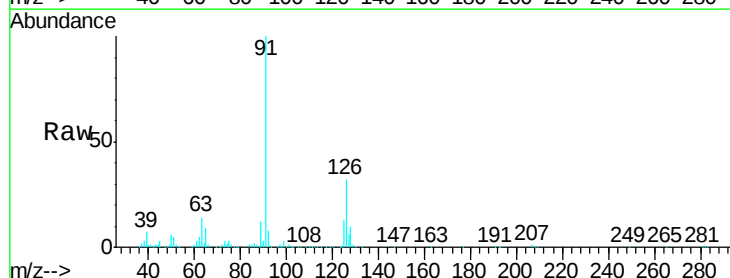
Acq: 9 Oct 2019 15:44

Tgt Ion: 91 Resp: 803563

Ion Ratio Lower Upper

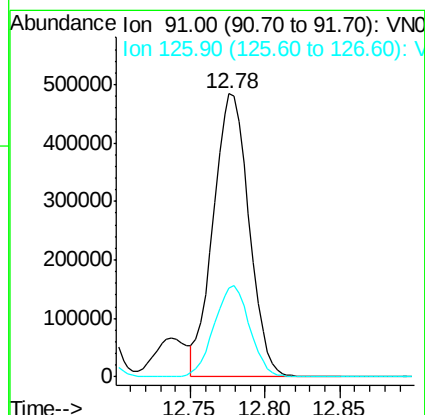
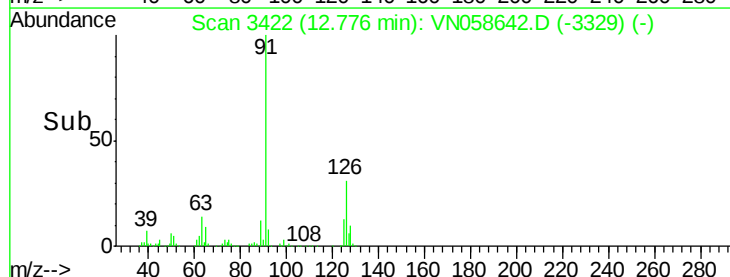
91 100

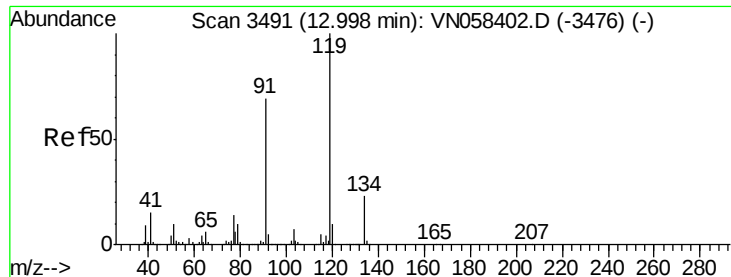
126 32.1 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

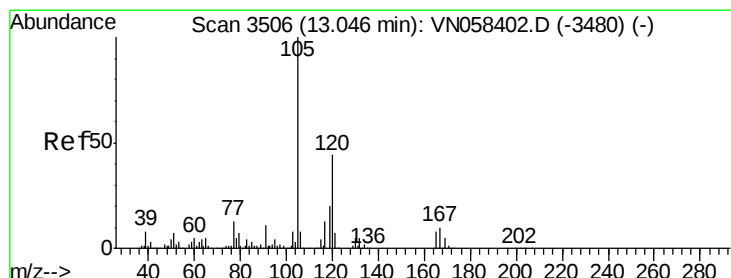
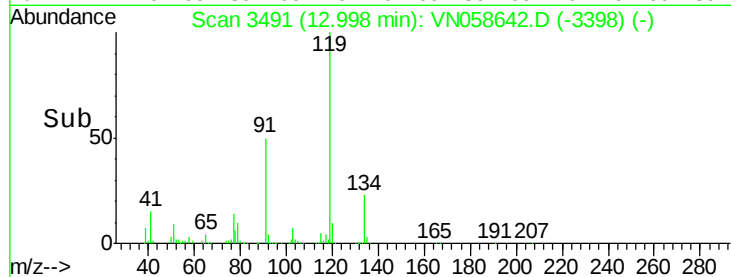
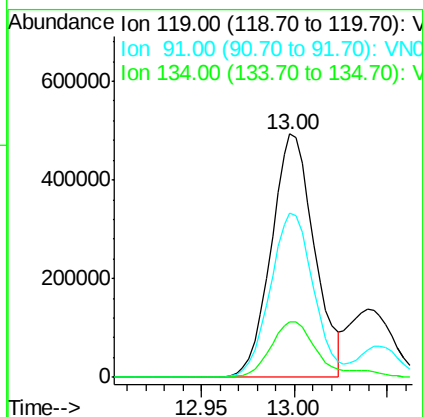
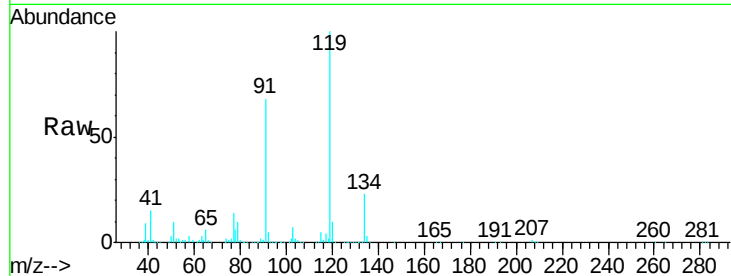




#83
 tert-Butylbenzene
 Concen: 47.745 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

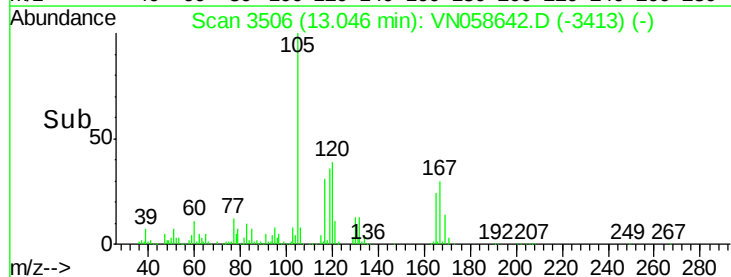
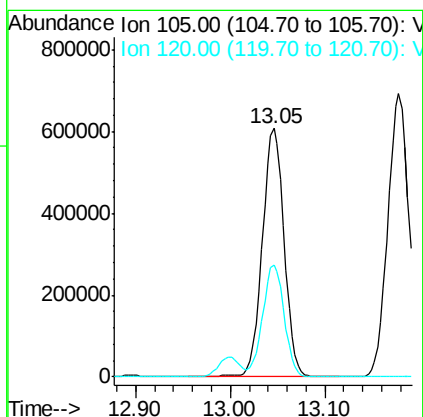
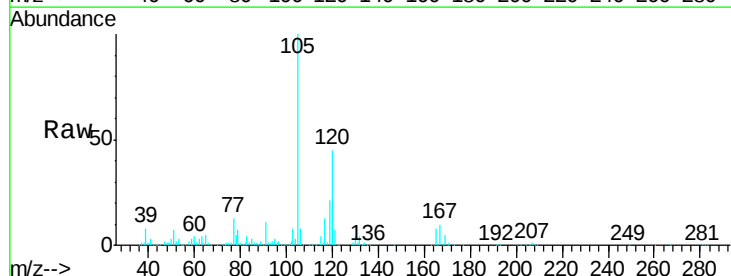
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

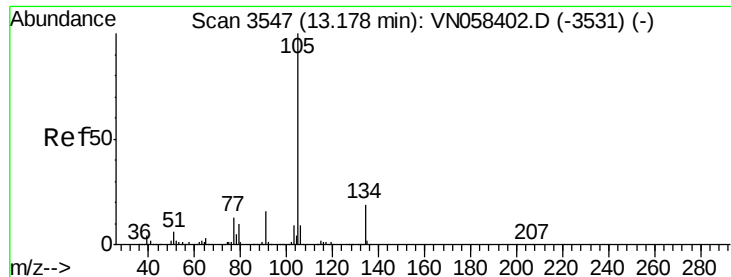
Tgt Ion:119 Resp: 800165
 Ion Ratio Lower Upper
 119 100
 91 67.7 34.2 102.6
 134 25.6 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 48.637 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion:105 Resp: 967829
 Ion Ratio Lower Upper
 105 100
 120 44.7 21.7 65.1

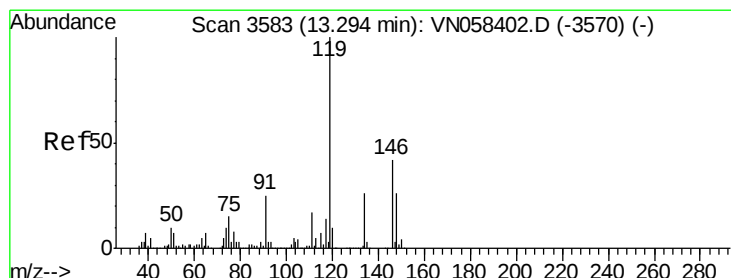
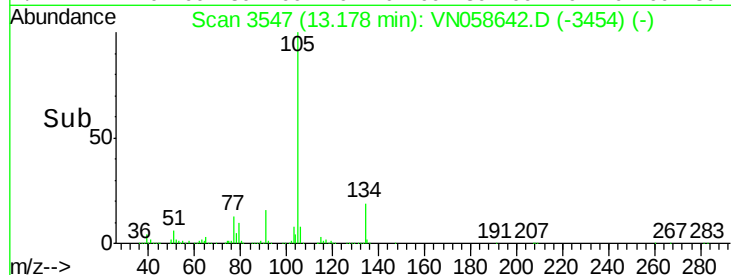
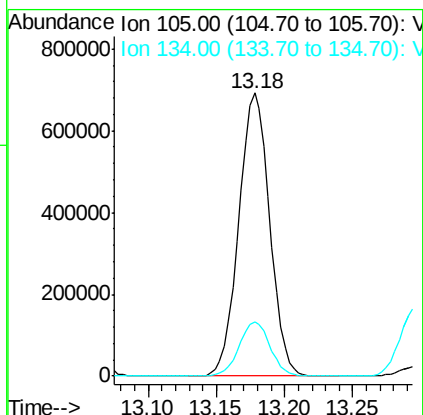
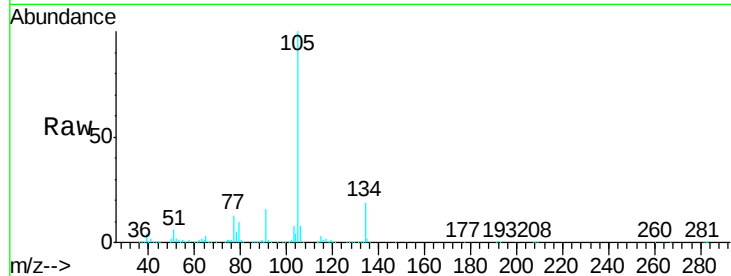




#85
 sec-Butylbenzene
 Concen: 49.129 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

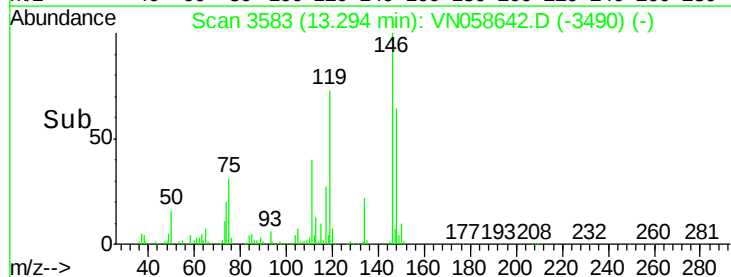
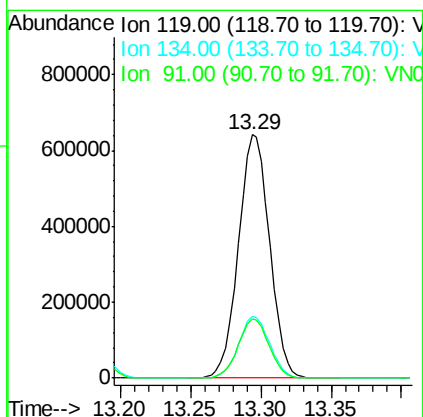
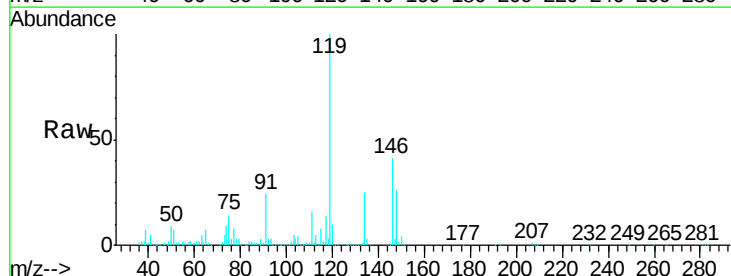
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

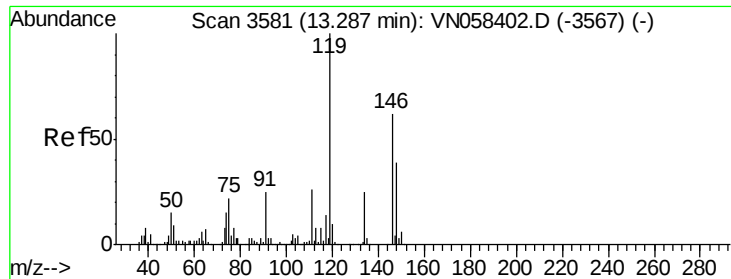
Tgt Ion:105 Resp: 1083710
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 50.887 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion:119 Resp: 988062
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.0 39.0
 91 24.1 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 48.384 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

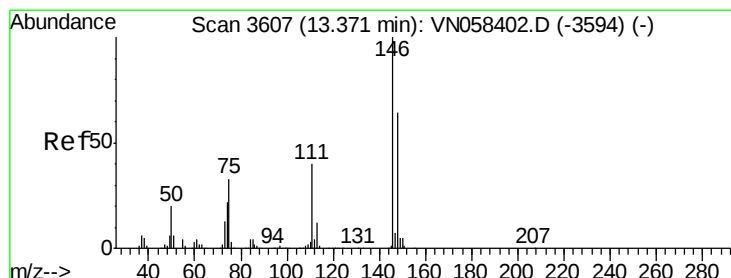
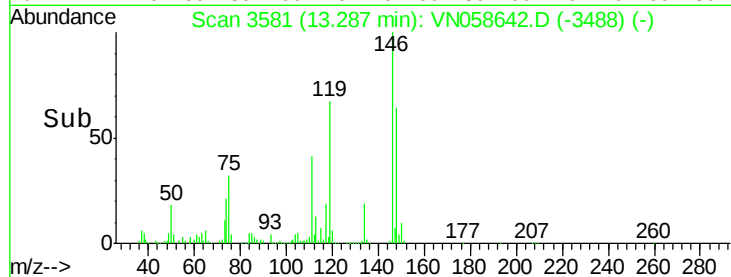
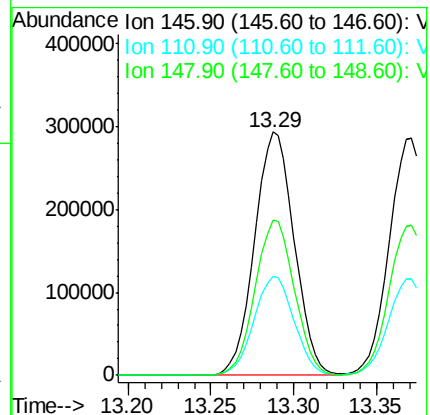
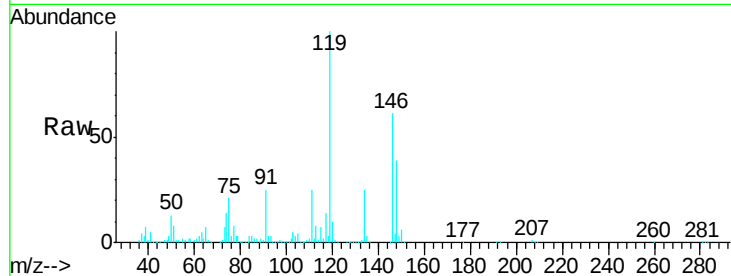
Tgt Ion:146 Resp: 488080

Ion Ratio Lower Upper

146 100

111 41.1 20.8 62.4

148 63.3 31.4 94.3



#88

1,4-Dichlorobenzene

Concen: 47.303 ug/l

RT: 13.37 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

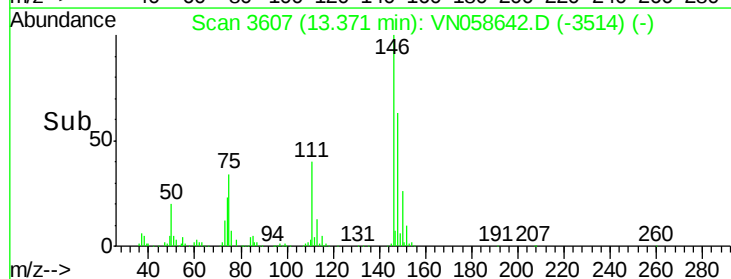
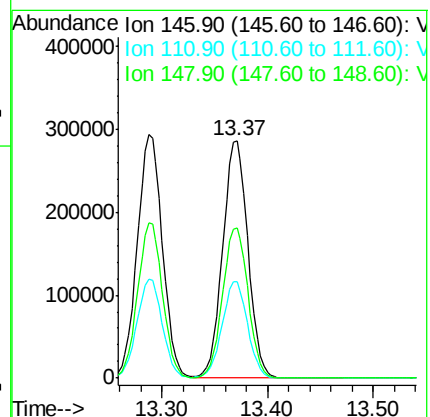
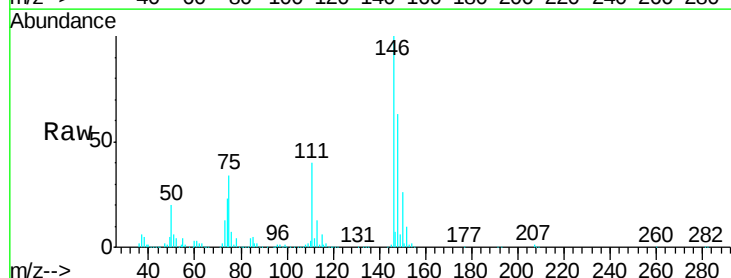
Tgt Ion:146 Resp: 474755

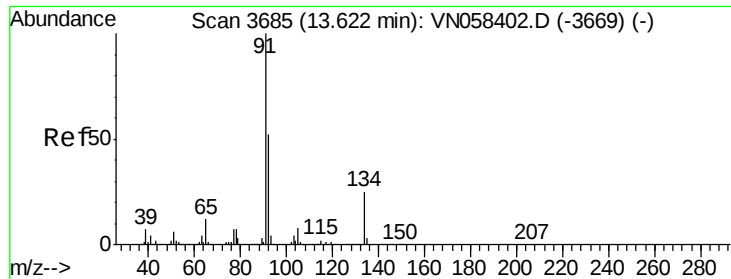
Ion Ratio Lower Upper

146 100

111 40.9 20.5 61.6

148 63.6 31.5 94.5





#89

n-Butylbenzene

Concen: 49.648 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

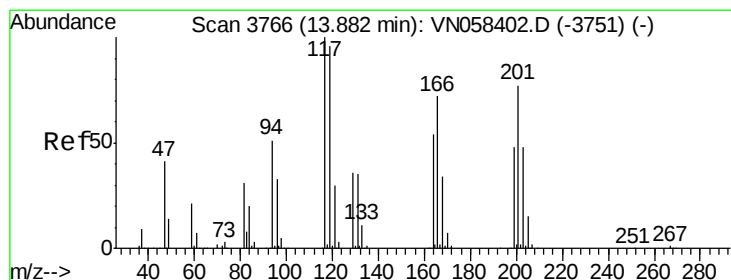
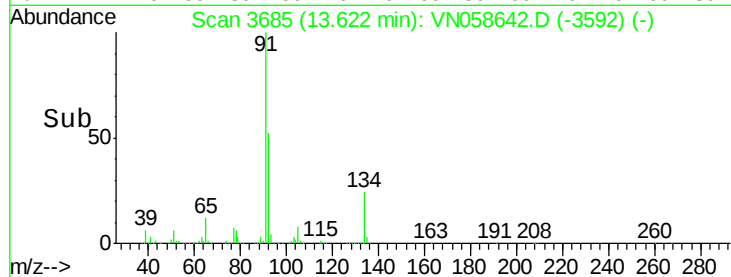
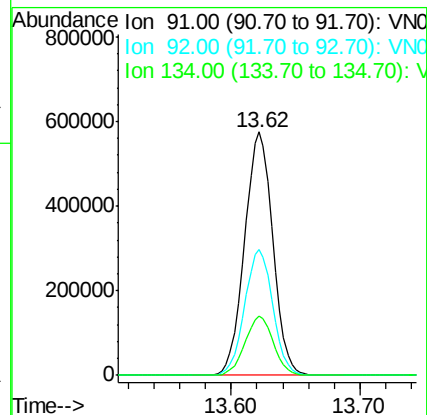
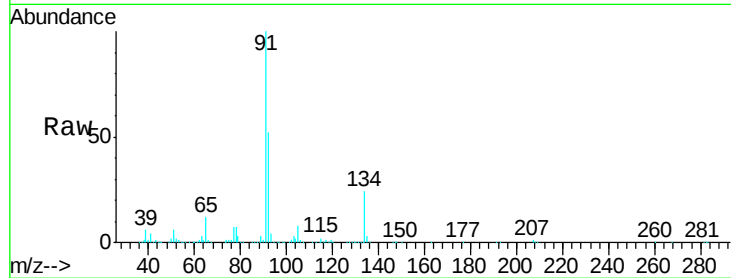
Tgt Ion: 91 Resp: 873232

Ion Ratio Lower Upper

91 100

92 51.6 25.7 77.1

134 24.4 12.2 36.6



#90

Hexachloroethane

Concen: 57.809 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058642.D

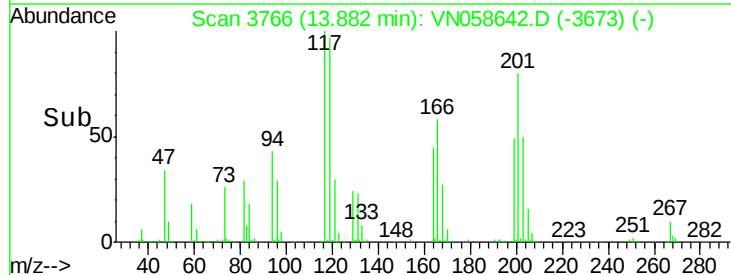
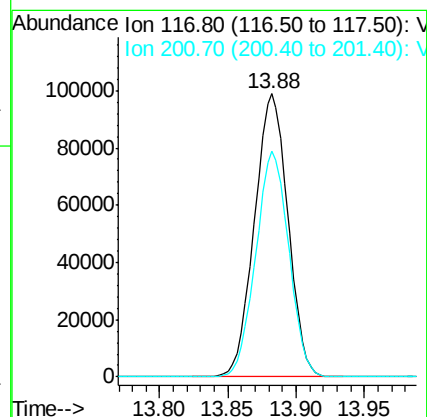
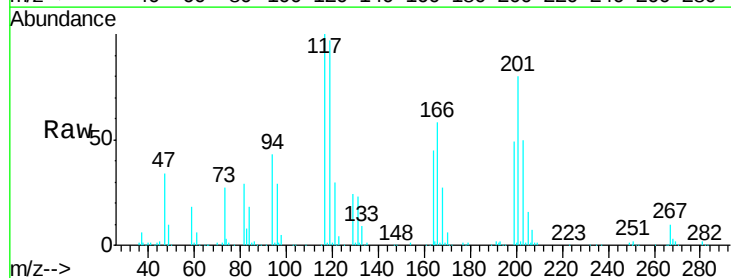
Acq: 9 Oct 2019 15:44

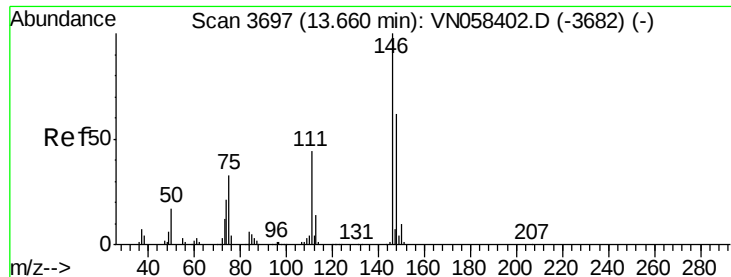
Tgt Ion: 117 Resp: 168647

Ion Ratio Lower Upper

117 100

201 78.7 38.6 116.0

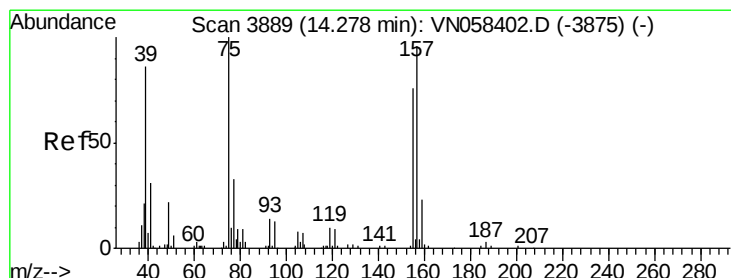
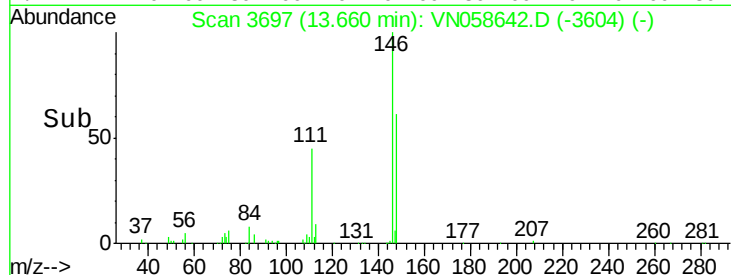
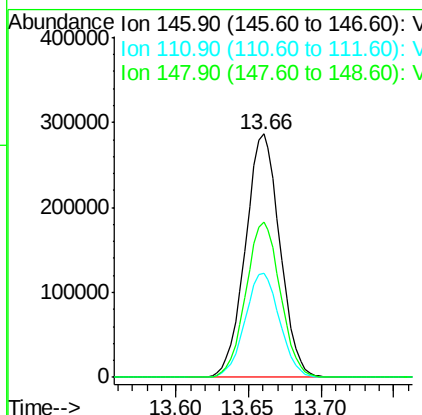
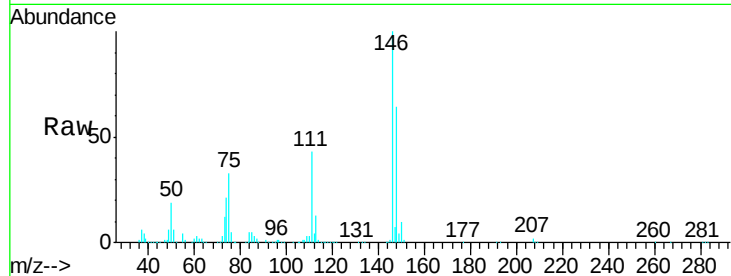




#91
 1,2-Dichlorobenzene
 Concen: 48.960 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

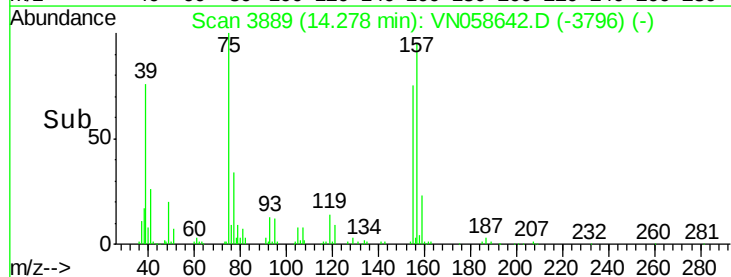
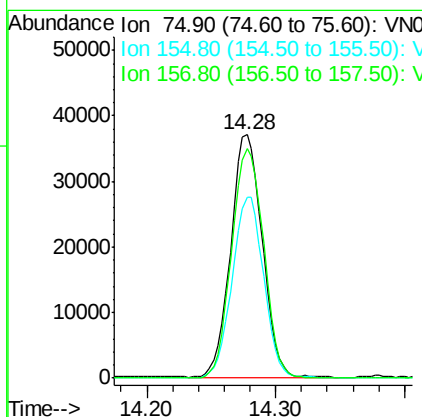
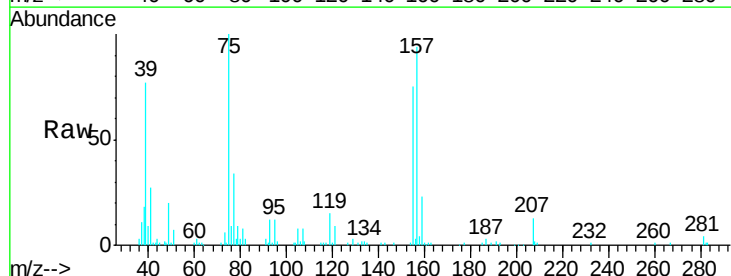
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

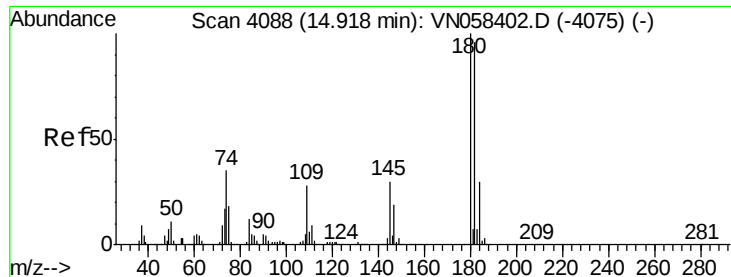
Tgt Ion:146 Resp: 474549
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.8 65.3
 148 64.0 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.427 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion: 75 Resp: 63626
 Ion Ratio Lower Upper
 75 100
 155 73.8 39.2 117.6
 157 94.6 48.7 146.1

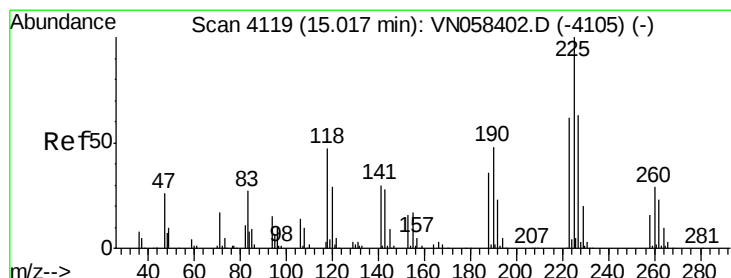
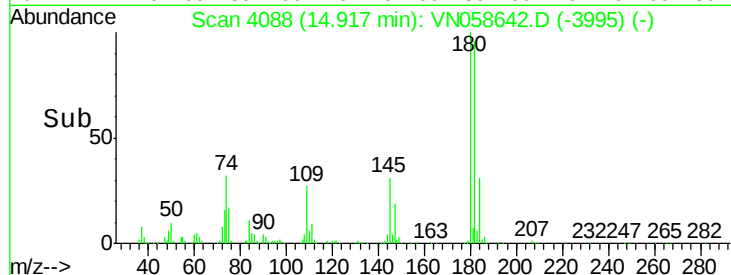
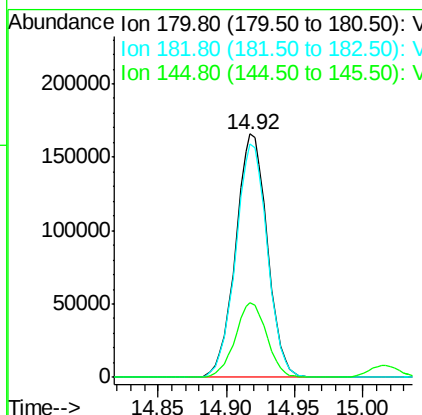
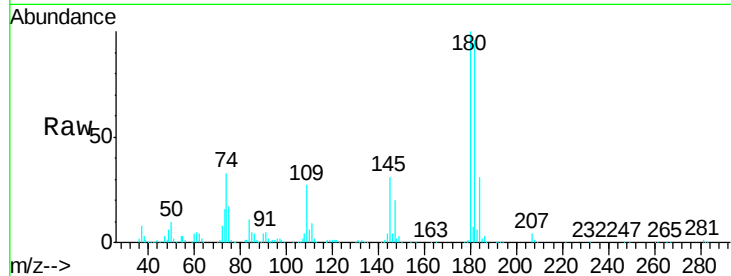




#93
 1,2,4-Trichlorobenzene
 Concen: 49.797 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

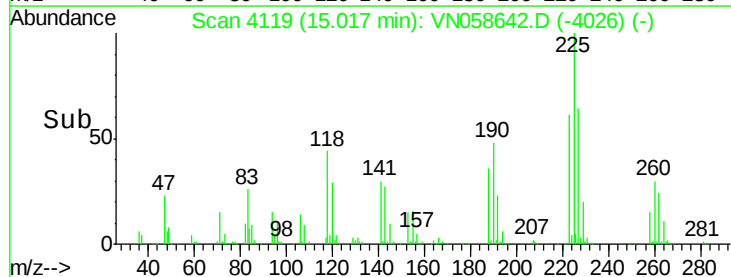
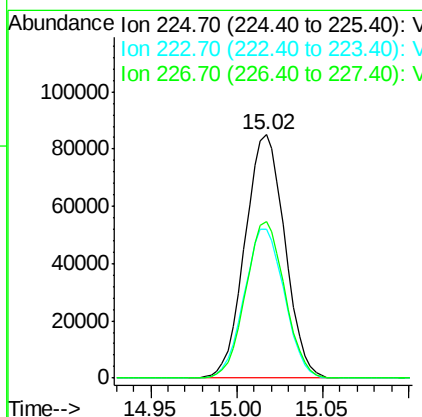
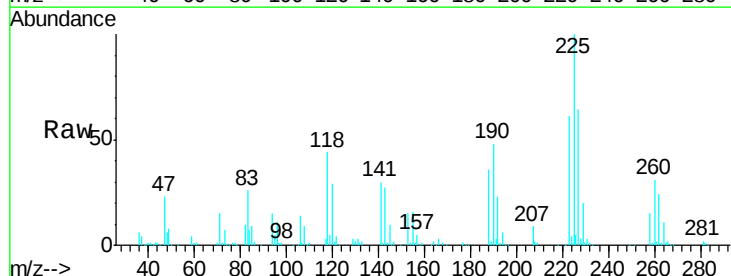
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

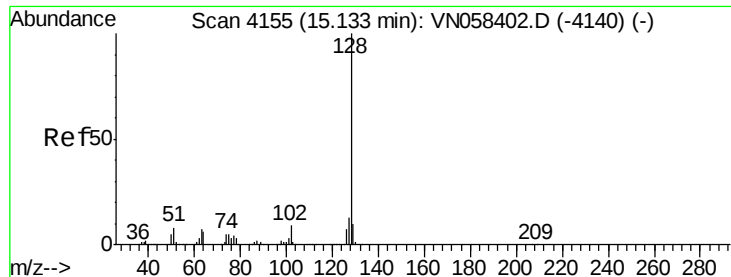
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.4	142.3
145	30.5	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 49.657 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.1	93.5
227	63.0	31.4	94.2





#95

Naphthalene

Concen: 45.529 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

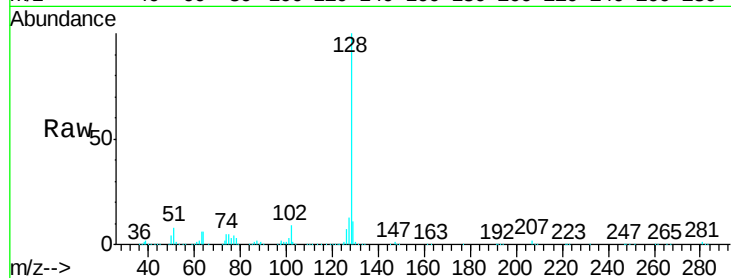
Tgt Ion:128 Resp: 714183

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

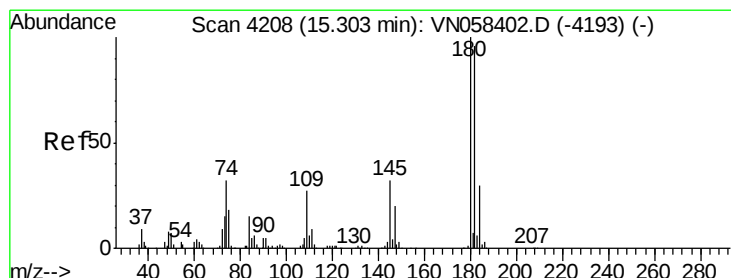
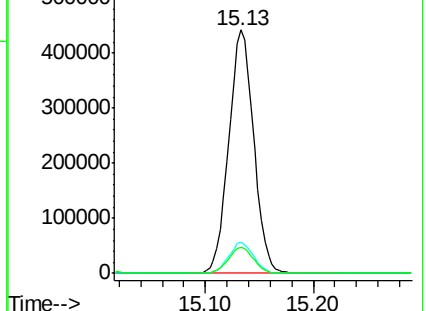
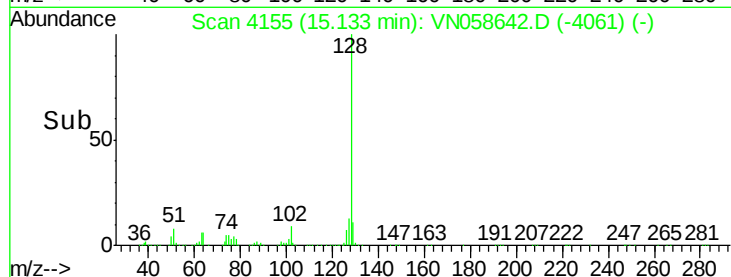
129 10.7 8.3 12.5



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: 47.732 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

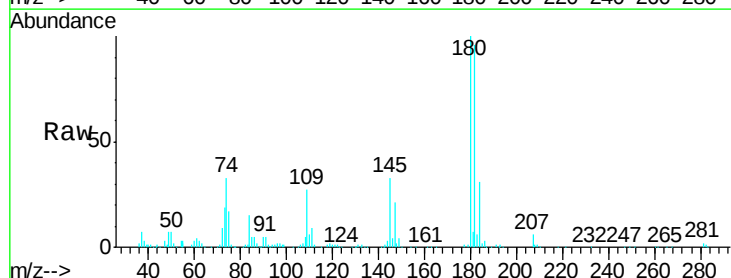
Tgt Ion:180 Resp: 256316

Ion Ratio Lower Upper

180 100

182 94.5 48.3 144.9

145 32.3 16.1 48.3



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

