

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
 Data File : VN060390.D
 Acq On : 9 Mar 2020 9:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 09 13:01:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	207821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	338677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	315811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153810	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	128594	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
35) Dibromofluoromethane	7.56	113	94697	60.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.48%	
50) Toluene-d8	10.08	98	375540	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	12.40	95	144186	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	80218	42.10	ug/l	99
3) Chloromethane	2.03	50	137098	41.33	ug/l	99
4) Vinyl Chloride	2.16	62	113745	39.98	ug/l	99
5) Bromomethane	2.54	94	45176	38.92	ug/l	98
6) Chloroethane	2.68	64	65335	42.39	ug/l	94
7) Trichlorofluoromethane	3.00	101	153141	42.13	ug/l	99
8) Diethyl Ether	3.38	74	62083	45.24	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	89483	43.50	ug/l	98
10) Methyl Iodide	3.92	142	81437	43.38	ug/l	99
11) Tert butyl alcohol	4.73	59	91805	231.88	ug/l	100
12) 1,1-Dichloroethene	3.71	96	89237	44.69	ug/l	97
13) Acrolein	3.57	56	100286	271.51	ug/l	99
14) Allyl chloride	4.29	41	155885	42.35	ug/l	92
15) Acrylonitrile	4.94	53	257484	246.73	ug/l	99
16) Acetone	3.78	43	183595	213.22	ug/l	100
17) Carbon Disulfide	4.03	76	223309	42.03	ug/l	100
18) Methyl Acetate	4.28	43	135534	47.17	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	346002	47.73	ug/l	97
20) Methylene Chloride	4.52	84	104810	44.32	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	95595	44.52	ug/l	95
22) Diisopropyl ether	5.91	45	367816	49.33	ug/l	97
23) Vinyl Acetate	5.86	43	1459112	246.25	ug/l	99
24) 1,1-Dichloroethane	5.81	63	199242	47.20	ug/l	99
25) 2-Butanone	6.79	43	335067	240.92	ug/l	98
26) 2,2-Dichloropropane	6.79	77	177729	46.25	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	118829	43.34	ug/l	98
28) Bromochloromethane	7.17	49	82573	47.65	ug/l	95
29) Tetrahydrofuran	7.18	42	228242	236.00	ug/l	99
30) Chloroform	7.34	83	199028	47.37	ug/l	99
31) Cyclohexane	7.63	56	168087	46.57	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	171606	46.09	ug/l	99
36) 1,1-Dichloropropene	7.77	75	142516	44.15	ug/l	99
37) Ethyl Acetate	6.89	43	149257	48.84	ug/l	99
38) Carbon Tetrachloride	7.75	117	141720	45.10	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	164400	43.20	ug/l	97
40) Benzene	8.02	78	432862	46.08	ug/l	100
41) Methacrylonitrile	7.18	41	215421	152.65	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	161201	47.55	ug/l	100
43) Isopropyl Acetate	8.14	43	262422	49.05	ug/l	99
44) Trichloroethene	8.81	130	119724	45.76	ug/l	99
45) 1,2-Dichloropropane	9.10	63	121702	49.55	ug/l	100
46) Dibromomethane	9.19	93	74469	46.72	ug/l	99
47) Bromodichloromethane	9.38	83	159737	49.28	ug/l	99
48) Methyl methacrylate	9.18	41	115745	47.44	ug/l	99
49) 1,4-Dioxane	9.18	88	34844	1015.51	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	750779	247.48	ug/l	100
52) Toluene	10.14	92	272225	46.13	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	188388	47.43	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	197063	47.88	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	111587	47.02	ug/l	99
56) Ethyl methacrylate	10.42	69	170806	50.10	ug/l	99
57) 1,3-Dichloropropane	10.70	76	191307	49.43	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	415216	232.85	ug/l	99
59) 2-Hexanone	10.74	43	548357	246.19	ug/l	99
60) Dibromochloromethane	10.89	129	120232	49.82	ug/l	99
61) 1,2-Dibromoethane	10.99	107	110019	47.56	ug/l	99
64) Tetrachloroethene	10.62	164	129702	52.22	ug/l	100
65) Chlorobenzene	11.42	112	289229	45.35	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	112476	47.70	ug/l	100
67) Ethyl Benzene	11.50	91	538167	46.34	ug/l	100
68) m/p-Xylenes	11.62	106	398815	91.02	ug/l	100
69) o-Xylene	11.94	106	193982	46.43	ug/l	100
70) Styrene	11.96	104	320782	46.70	ug/l	100
71) Bromoform	12.12	173	84566	49.76	ug/l #	99
73) Isopropylbenzene	12.24	105	525024	46.05	ug/l	100
74) N-amyl acetate	12.06	43	234158	47.00	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	147357	47.55	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	213068	63.14	ug/l #	100
77) Bromobenzene	12.52	156	127700	45.70	ug/l	99
78) n-propylbenzene	12.59	91	617595	46.22	ug/l	100
79) 2-Chlorotoluene	12.67	91	361919	46.07	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	443717	46.23	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	60356	49.37	ug/l	99
82) 4-Chlorotoluene	12.77	91	377270	45.59	ug/l	99
83) tert-Butylbenzene	12.99	119	371654	44.72	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	447340	46.17	ug/l	100
85) sec-Butylbenzene	13.17	105	506455	45.51	ug/l	100
86) p-Isopropyltoluene	13.28	119	461607	44.82	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	231636	48.23	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	229570	48.07	ug/l	100
89) n-Butylbenzene	13.61	91	419935	44.41	ug/l	99
90) Hexachloroethane	13.87	117	61386	41.17	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	221572	45.25	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31150	44.39	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	144206	46.35	ug/l	100
94) Hexachlorobutadiene	15.01	225	68595	47.94	ug/l	100
95) Naphthalene	15.13	128	406924	44.37	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	133329	45.48	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

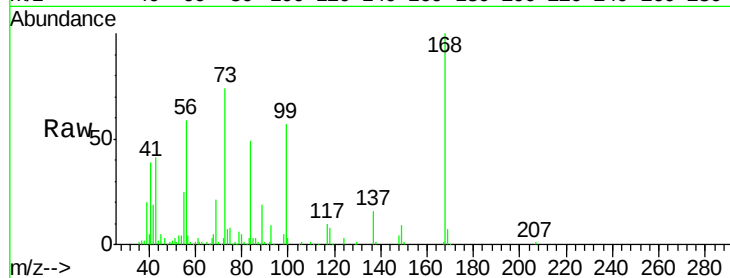
VSTDCCC050

Tgt Ion:168 Resp: 207821

Ion Ratio Lower Upper

168 100

99 57.1 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

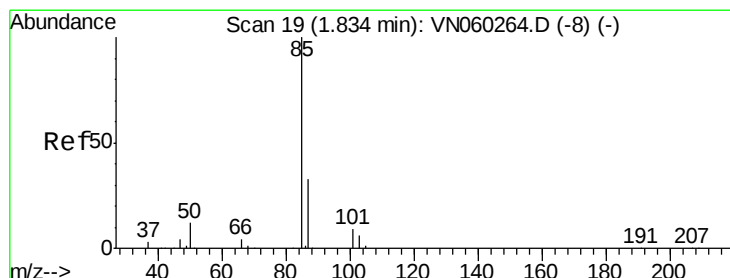
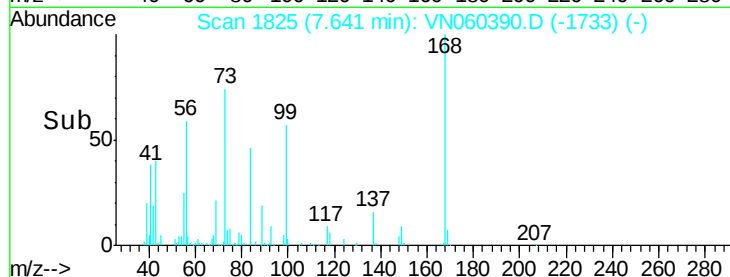
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 42.10 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060390.D

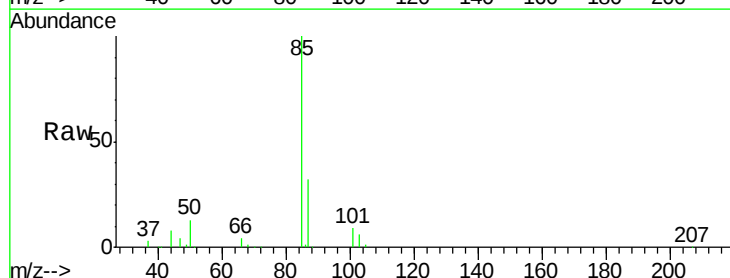
Acq: 9 Mar 2020 9:32

Tgt Ion: 85 Resp: 80218

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

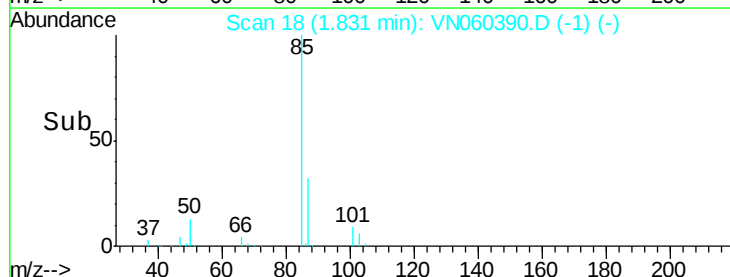
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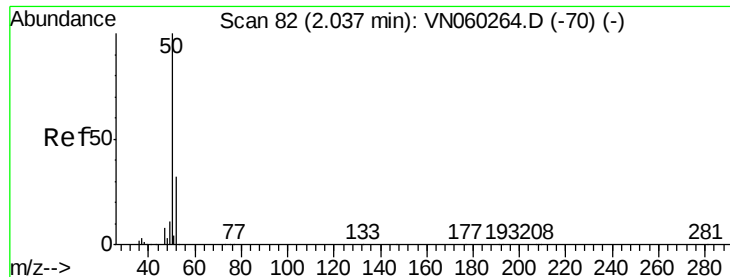
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 41.33 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

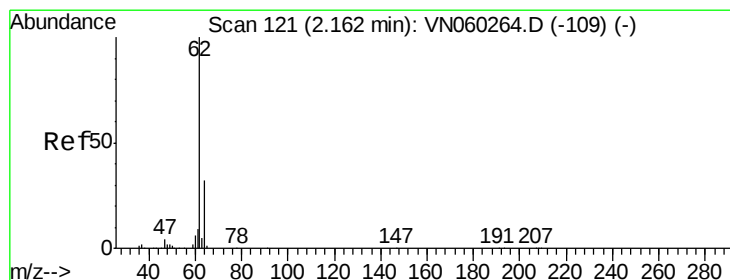
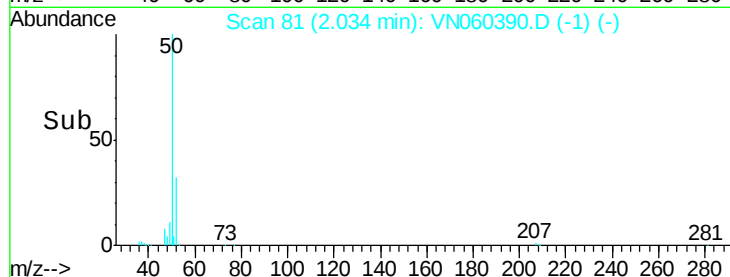
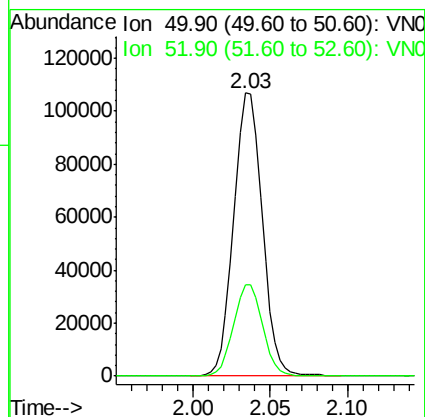
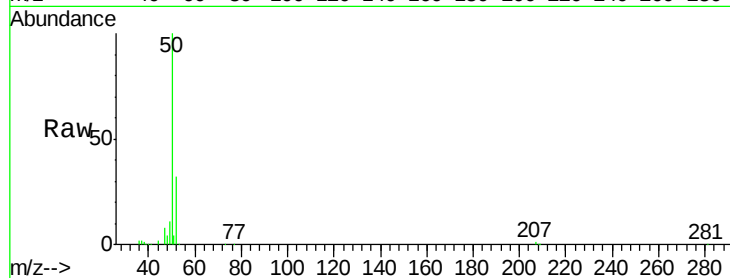
VSTDCCC050

Tgt Ion: 50 Resp: 137098

Ion Ratio Lower Upper

50 100

52 32.3 25.6 38.4



#4

Vinyl Chloride

Concen: 39.98 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060390.D

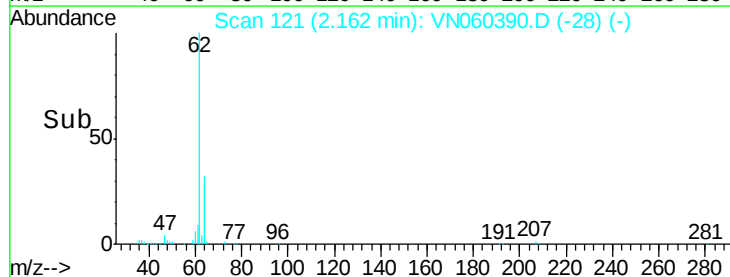
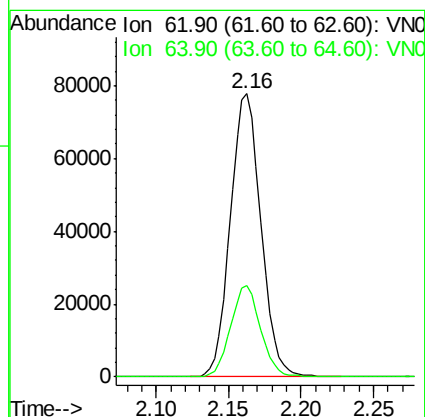
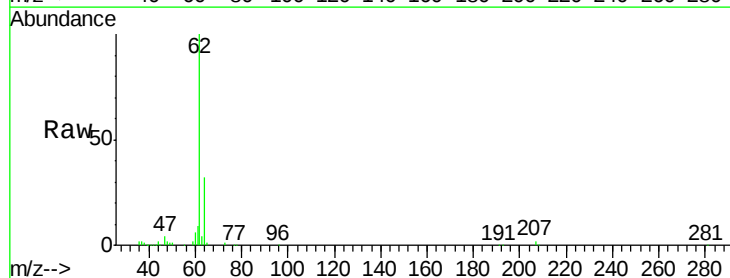
Acq: 9 Mar 2020 9:32

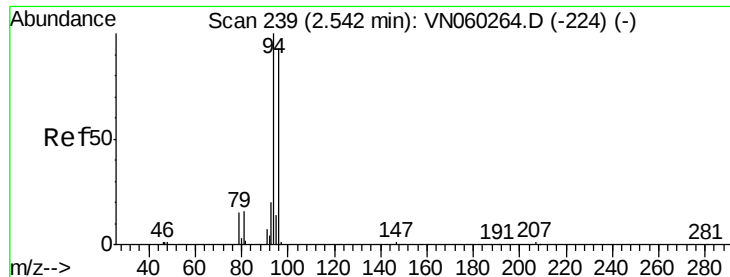
Tgt Ion: 62 Resp: 113745

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 38.92 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

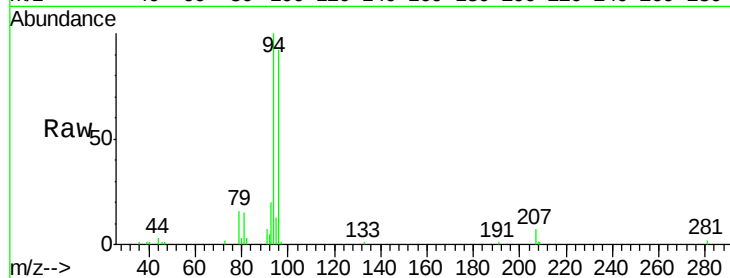
VSTDCCC050

Tgt Ion: 94 Resp: 45176

Ion Ratio Lower Upper

94 100

96 91.0 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

20000

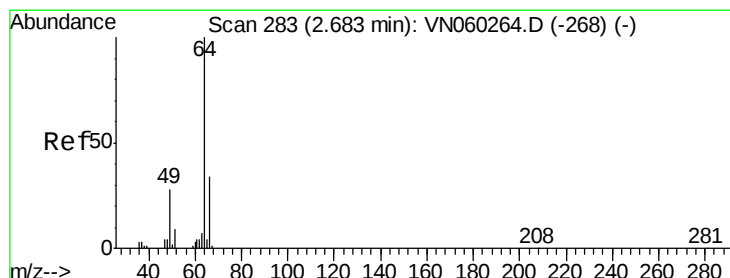
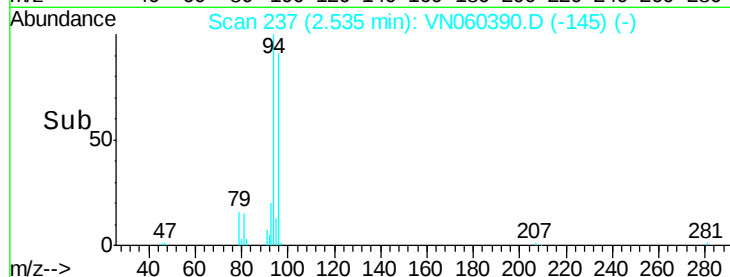
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 42.39 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060390.D

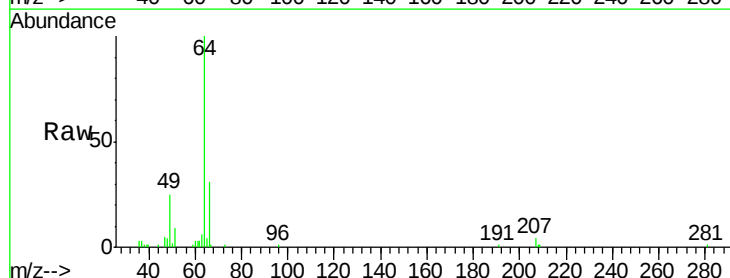
Acq: 9 Mar 2020 9:32

Tgt Ion: 64 Resp: 65335

Ion Ratio Lower Upper

64 100

66 30.9 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

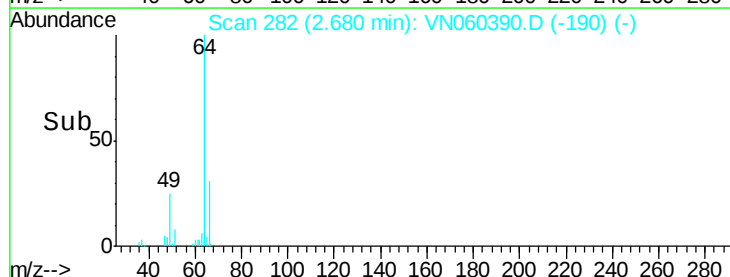
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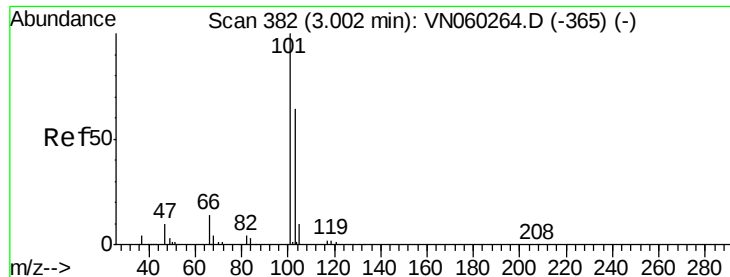
20000

10000

0

Time-->



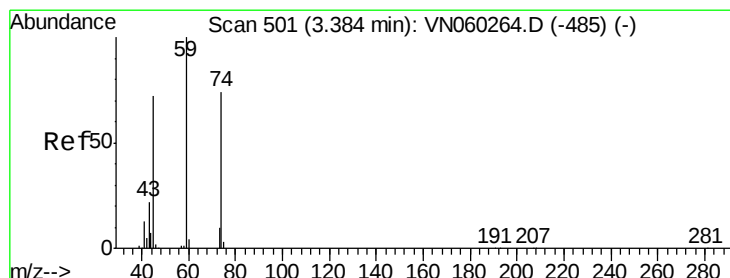
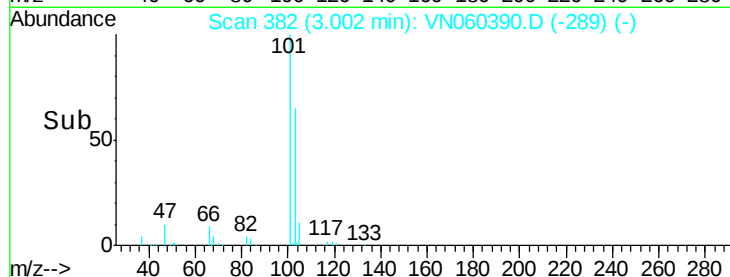
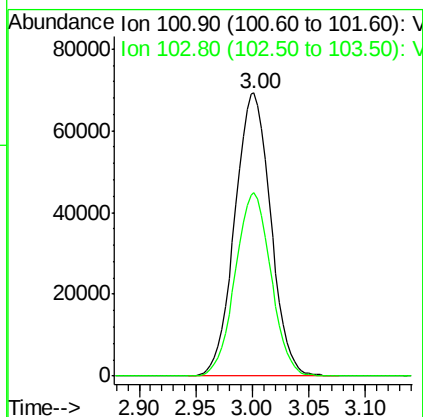
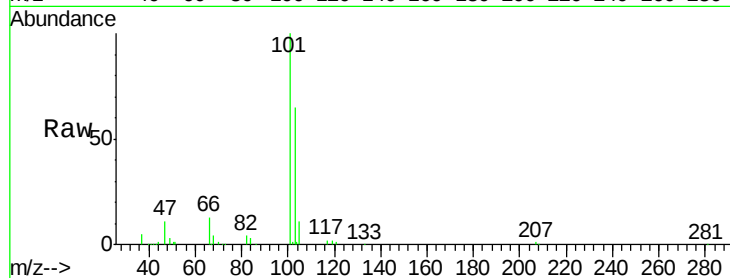


#7

Trichlorofluoromethane
 Concen: 42.13 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

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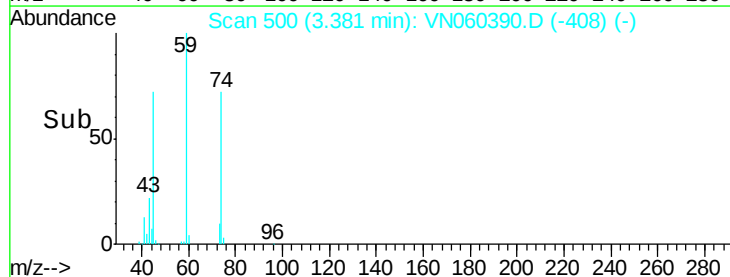
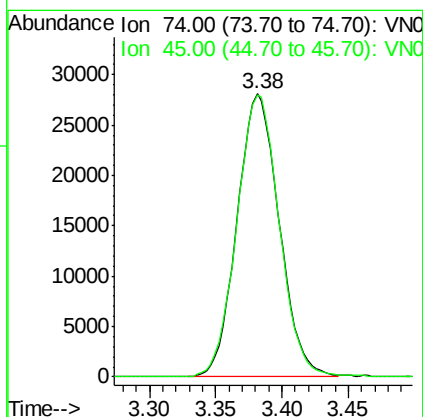
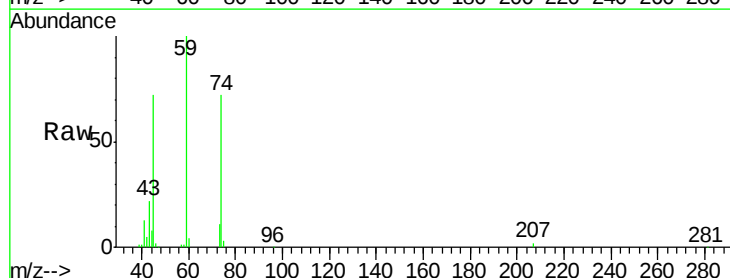
Tgt Ion: 101 Resp: 153141
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.3 76.9

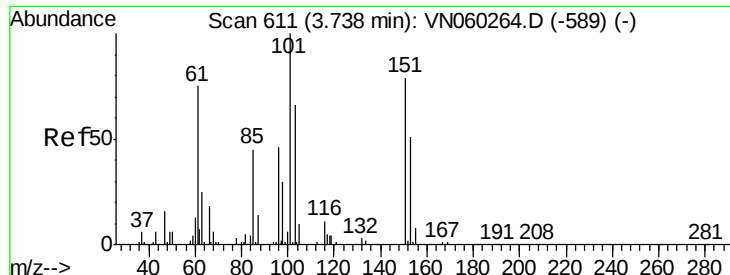


#8

Diethyl Ether
 Concen: 45.24 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

Tgt Ion: 74 Resp: 62083
 Ion Ratio Lower Upper
 74 100
 45 100.3 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.50 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

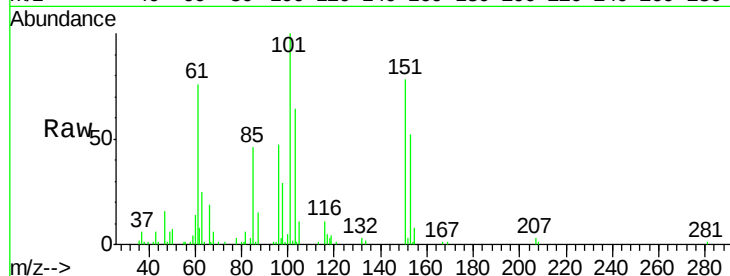
Tgt Ion:101 Resp: 89483

Ion Ratio Lower Upper

101 100

85 45.8 35.4 53.2

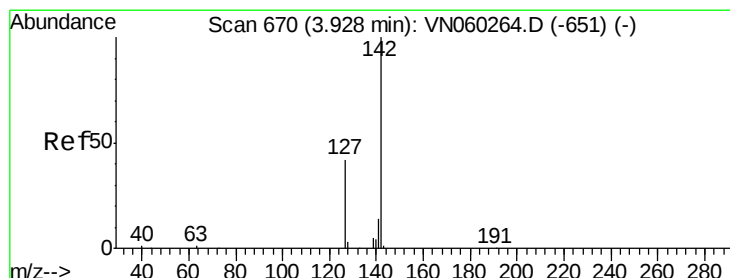
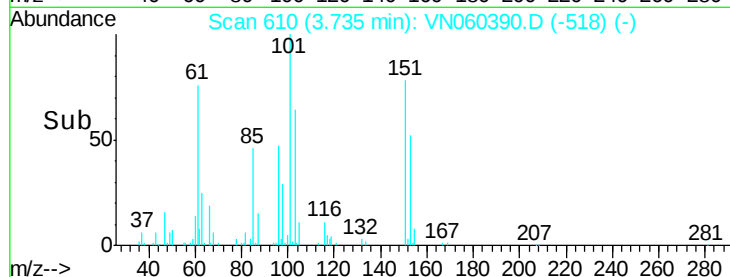
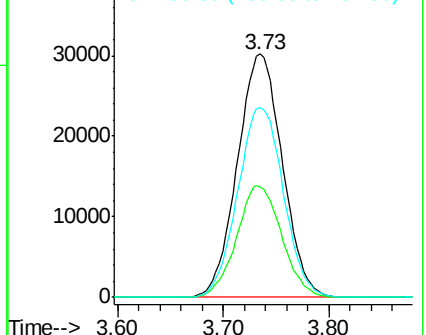
151 79.5 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.38 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

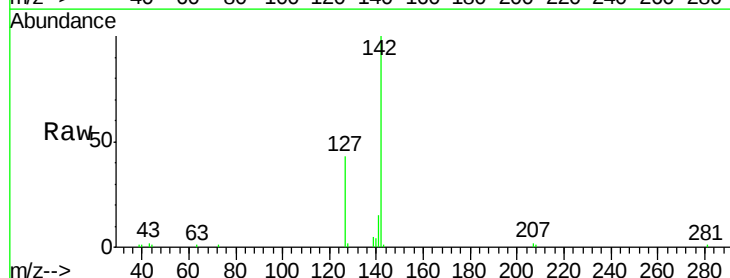
Tgt Ion:142 Resp: 81437

Ion Ratio Lower Upper

142 100

127 42.9 33.8 50.6

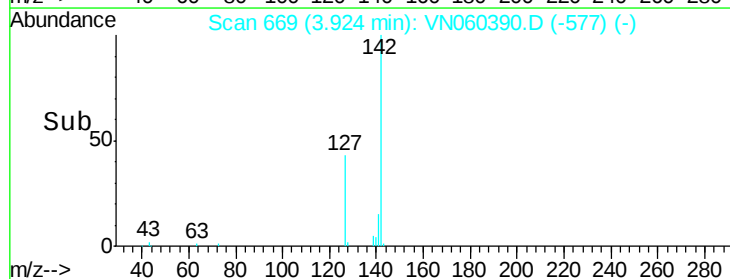
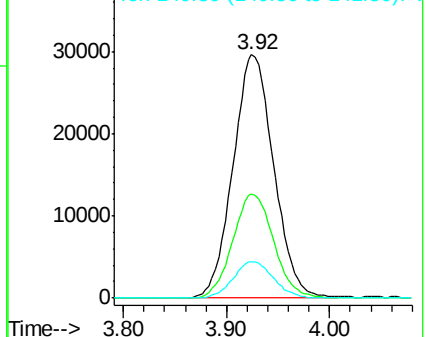
141 14.6 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

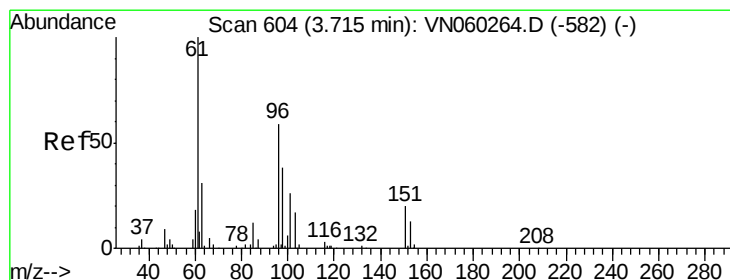
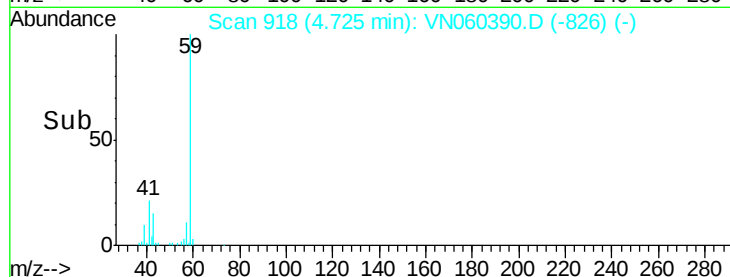
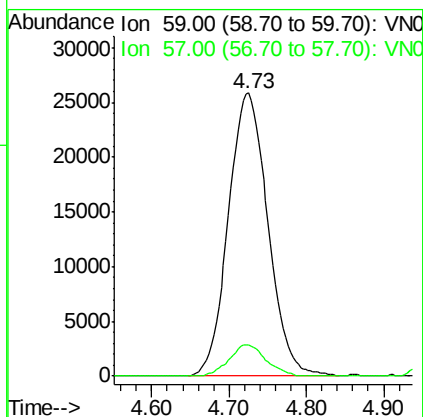
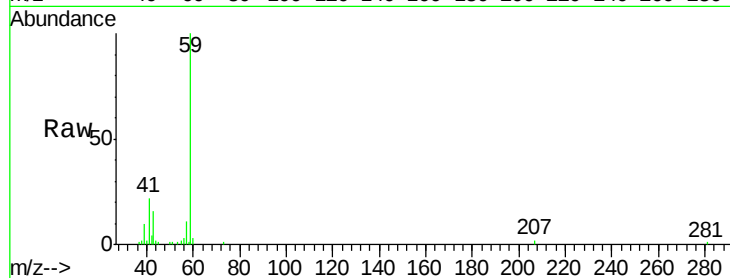




#11
 Tert butyl alcohol
 Concen: 231.88 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

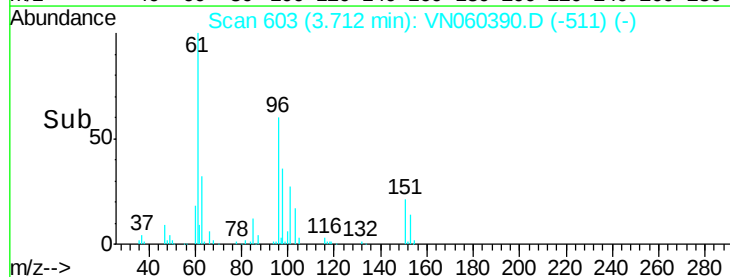
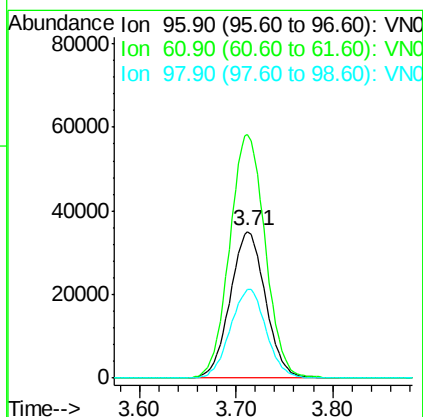
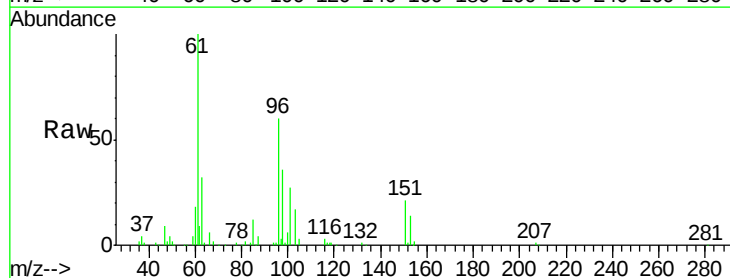
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 59 Resp: 91805
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.2



#12
 1,1-Dichloroethene
 Concen: 44.69 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

Tgt Ion: 96 Resp: 89237
 Ion Ratio Lower Upper
 96 100
 61 165.7 135.4 203.0
 98 60.4 51.6 77.4





#13

Acrolein

Concen: 271.51 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.01 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

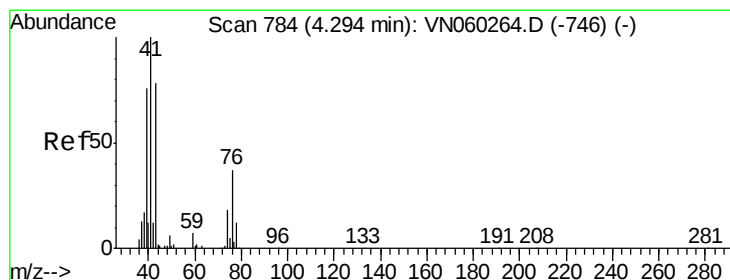
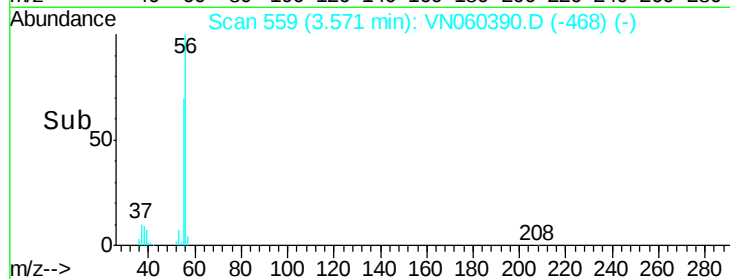
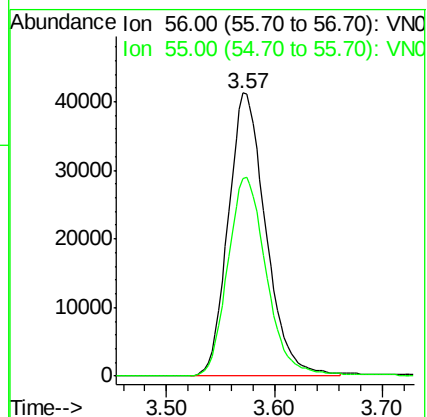
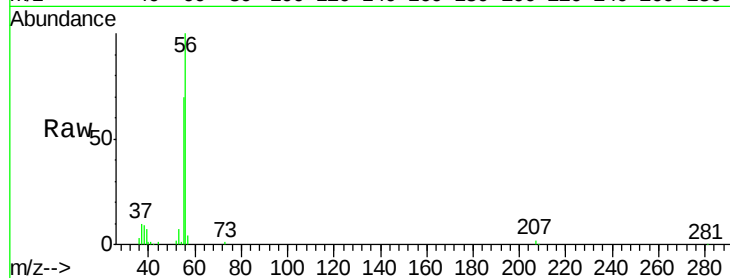
VSTDCCC050

Tgt Ion: 56 Resp: 100286

Ion Ratio Lower Upper

56 100

55 72.4 57.4 86.0



#14

Allyl chloride

Concen: 42.35 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

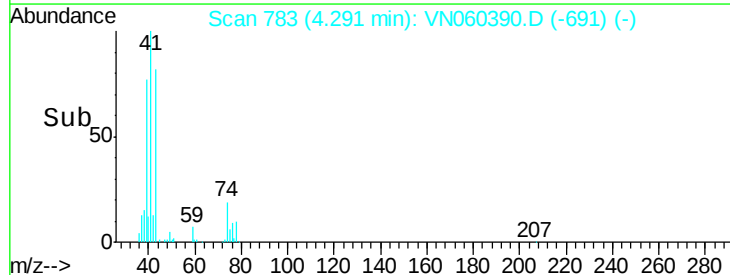
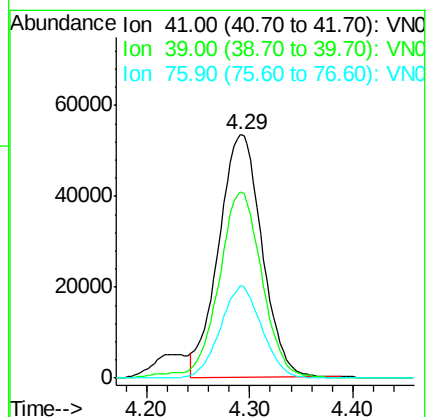
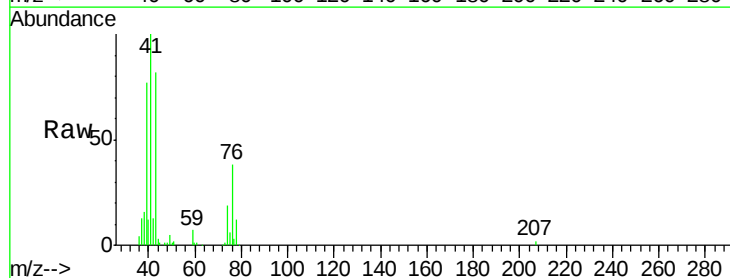
Tgt Ion: 41 Resp: 155885

Ion Ratio Lower Upper

41 100

39 77.3 55.4 83.2

76 36.5 27.0 40.6





#15

Acrylonitrile

Concen: 246.73 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

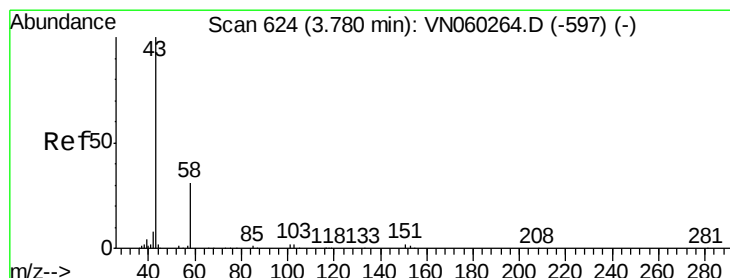
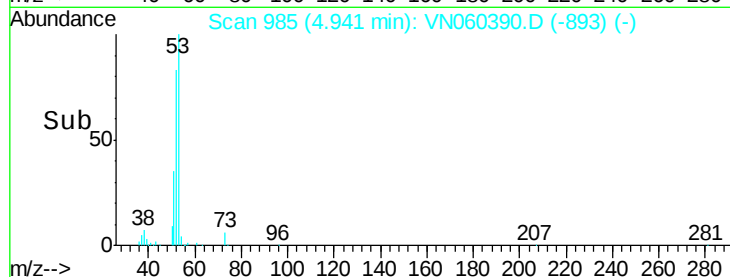
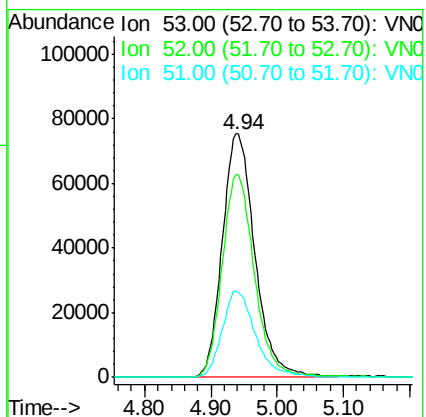
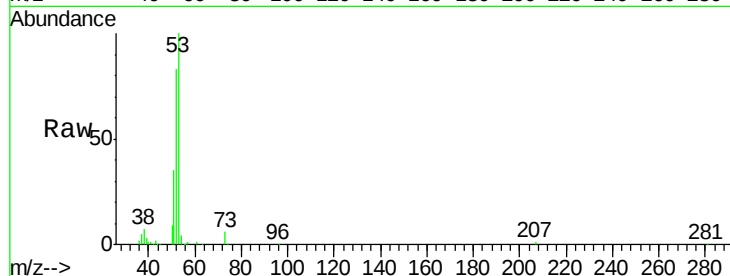
Tgt Ion: 53 Resp: 257484

Ion Ratio Lower Upper

53 100

52 82.0 66.8 100.2

51 36.2 29.0 43.6



#16

Acetone

Concen: 213.22 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060390.D

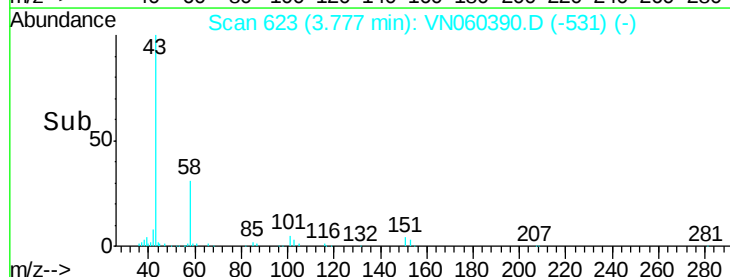
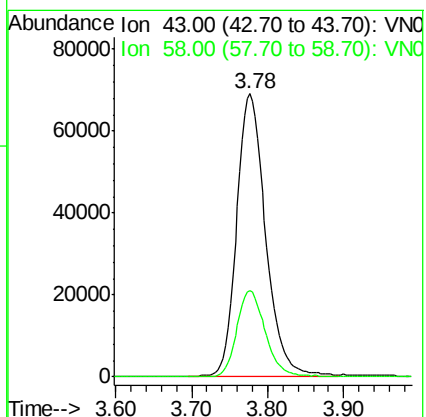
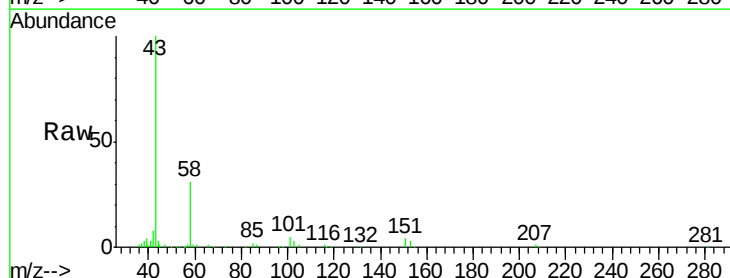
Acq: 9 Mar 2020 9:32

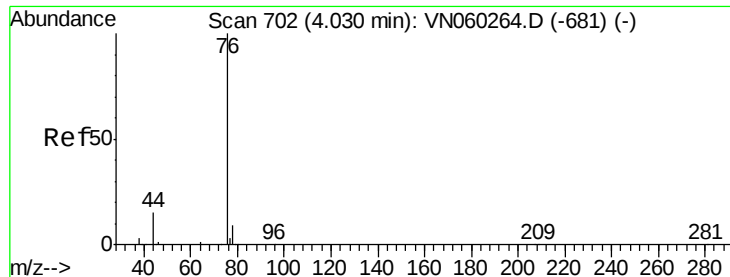
Tgt Ion: 43 Resp: 183595

Ion Ratio Lower Upper

43 100

58 30.6 24.6 36.8

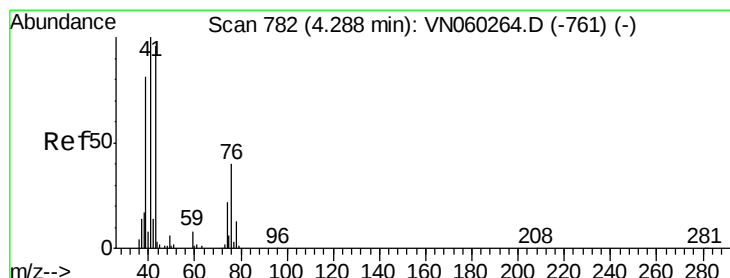
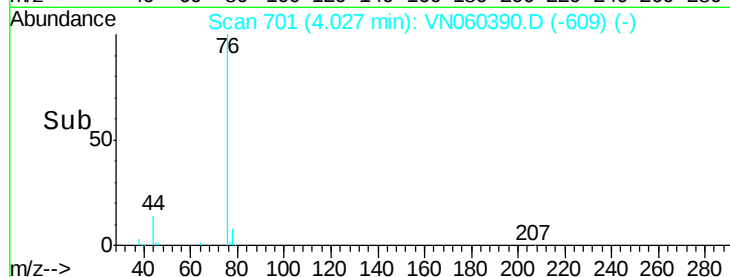
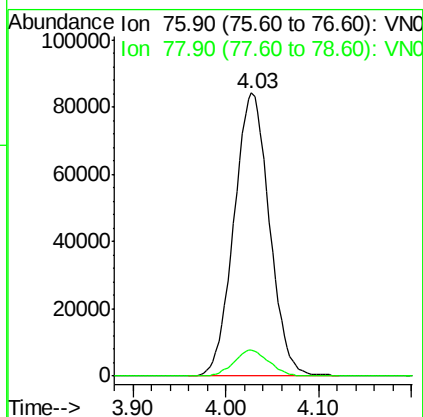
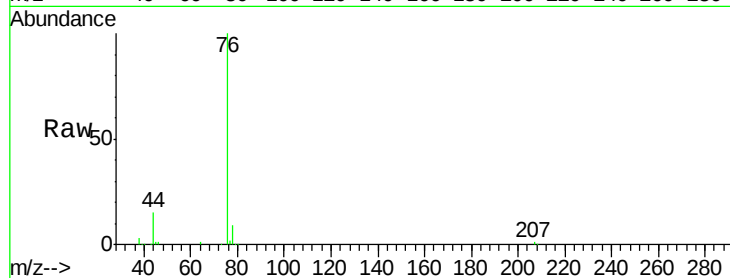




#17
Carbon Disulfide
Concen: 42.03 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

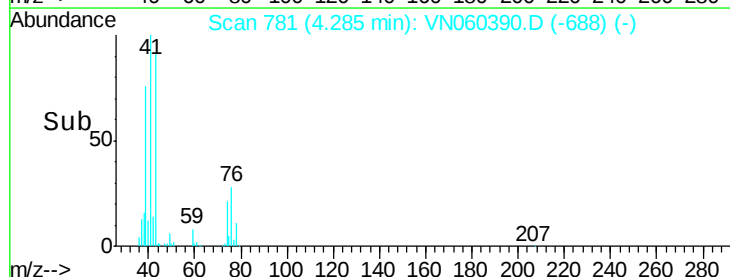
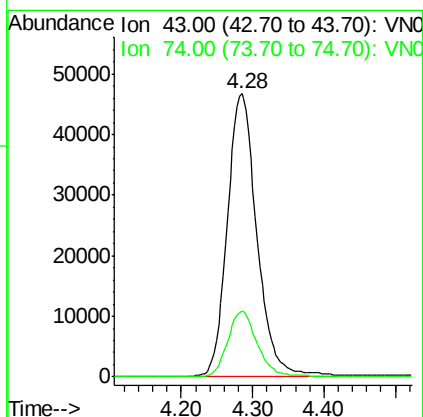
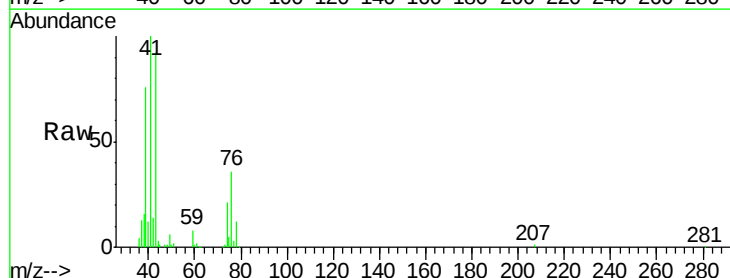
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

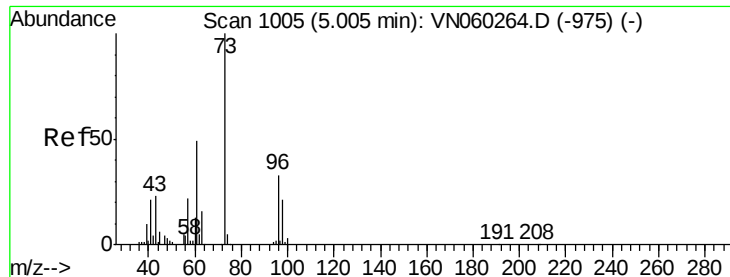
Tgt Ion: 76 Resp: 223309
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 47.17 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

Tgt Ion: 43 Resp: 135534
Ion Ratio Lower Upper
43 100
74 23.1 18.8 28.2

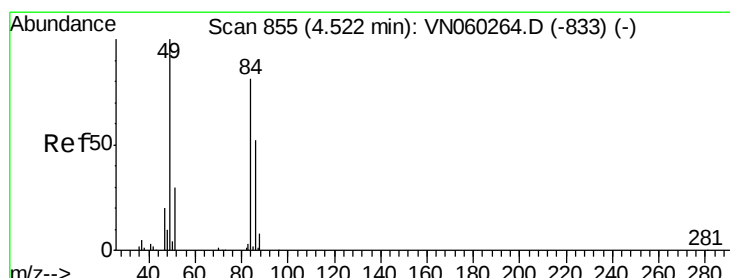
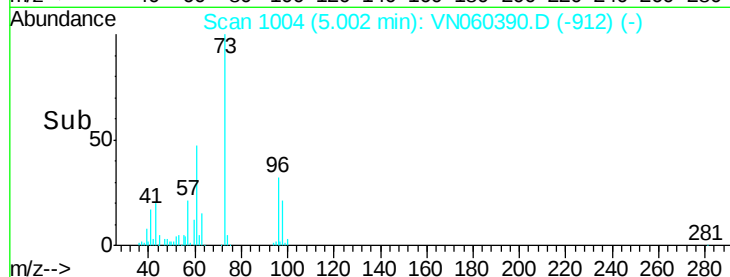
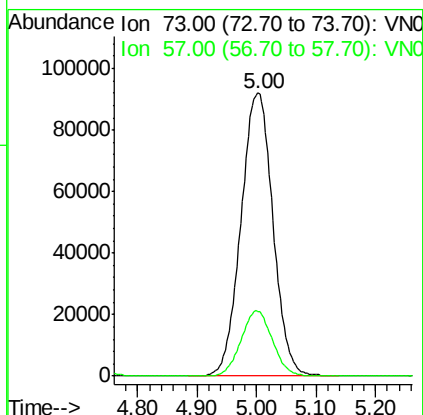
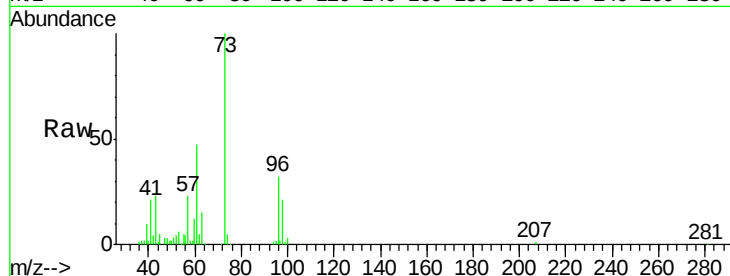




#19
Methyl tert-butyl Ether
Concen: 47.73 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

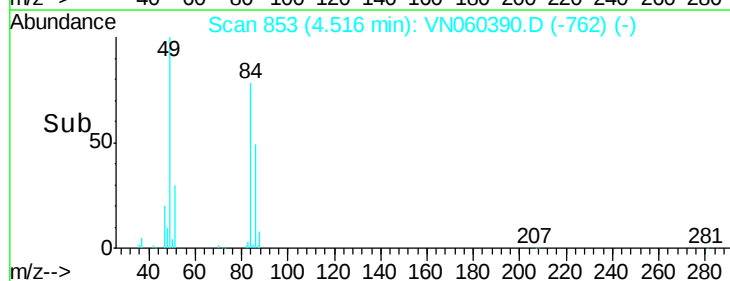
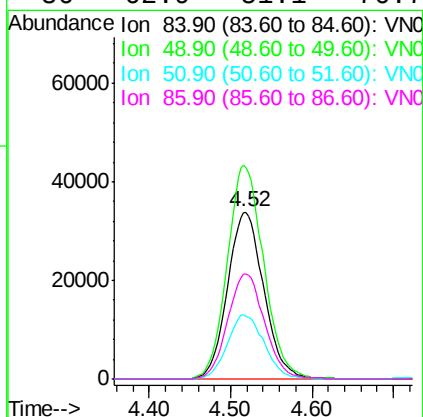
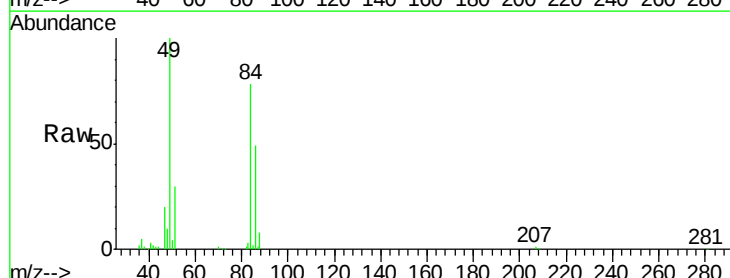
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 73 Resp: 346002
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9



#20
Methylene Chloride
Concen: 44.32 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

Tgt Ion: 84 Resp: 104810
Ion Ratio Lower Upper
84 100
49 127.9 99.3 148.9
51 38.4 30.1 45.1
86 62.9 51.1 76.7

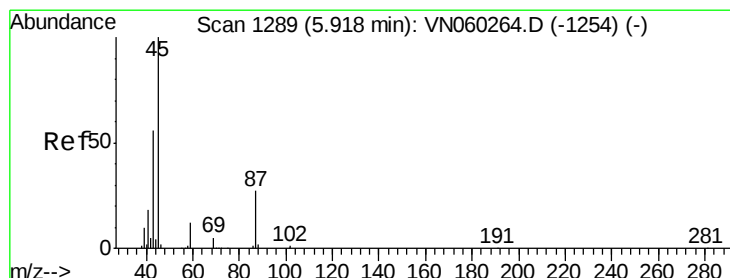
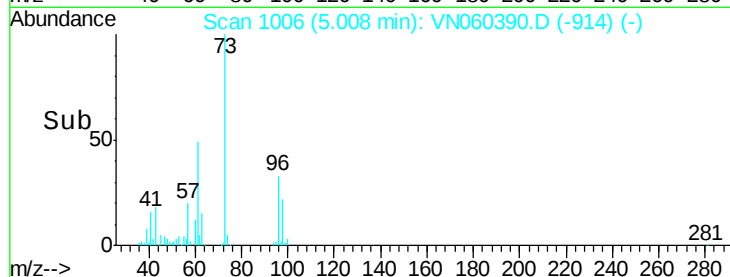
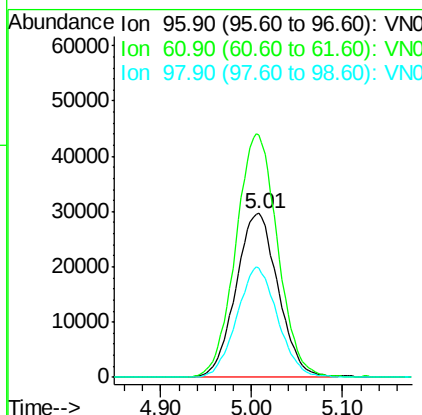
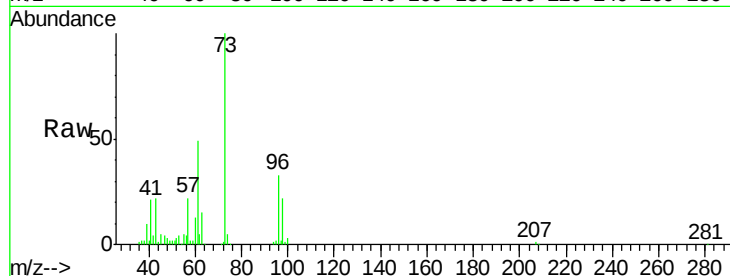




#21
trans-1,2-Dichloroethene
Concen: 44.52 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

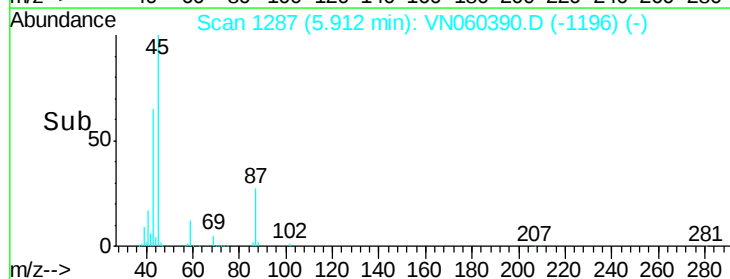
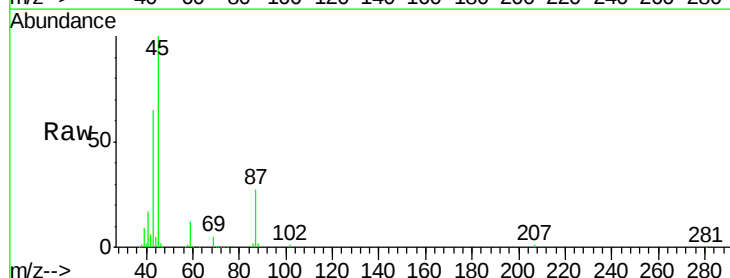
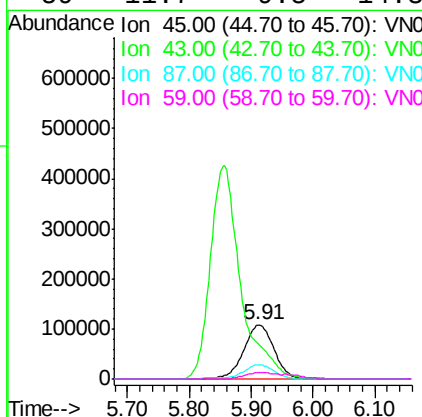
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

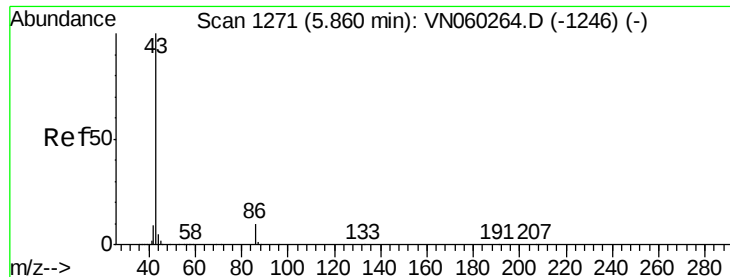
Tgt Ion: 96 Resp: 95595
Ion Ratio Lower Upper
96 100
61 147.8 113.8 170.8
98 66.3 48.8 73.2



#22
Diisopropyl ether
Concen: 49.33 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

Tgt Ion: 45 Resp: 367816
Ion Ratio Lower Upper
45 100
43 63.8 48.6 72.8
87 27.2 22.2 33.2
59 11.7 9.5 14.3





#23

Vinyl Acetate

Concen: 246.25 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

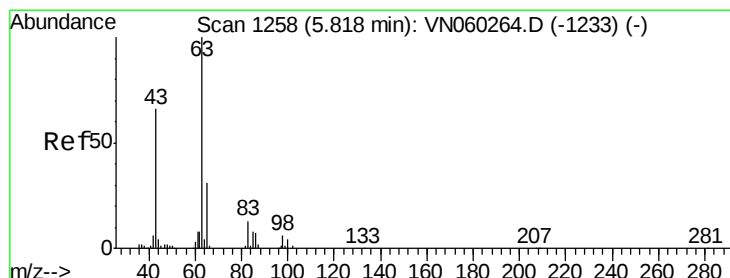
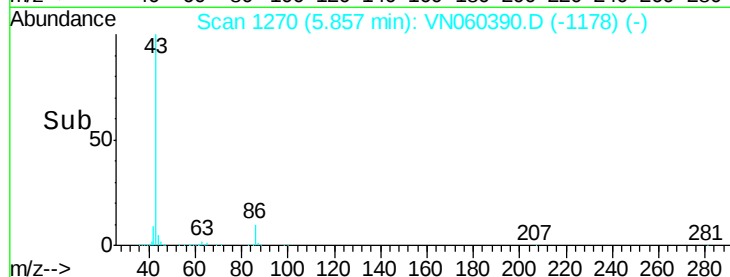
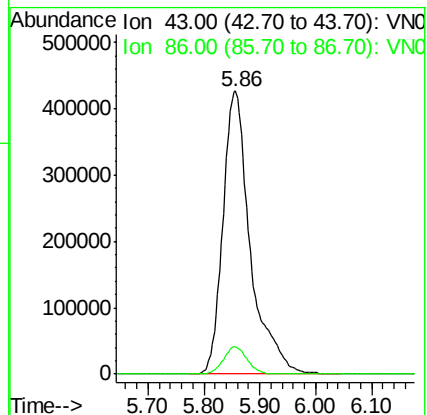
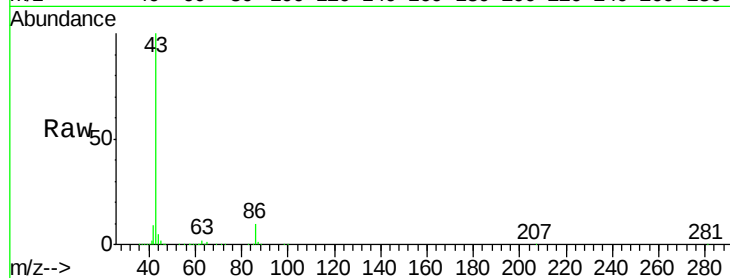
VSTDCCC050

Tgt Ion: 43 Resp: 1459112

Ion Ratio Lower Upper

43 100

86 9.6 8.0 12.0



#24

1,1-Dichloroethane

Concen: 47.20 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

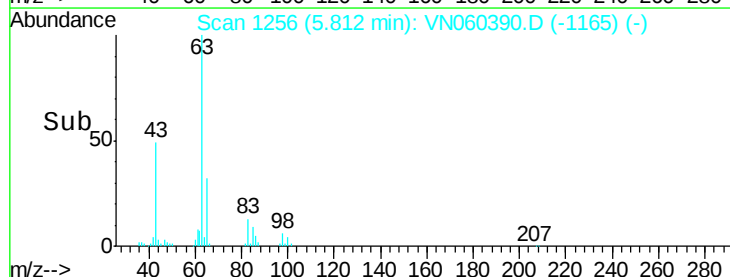
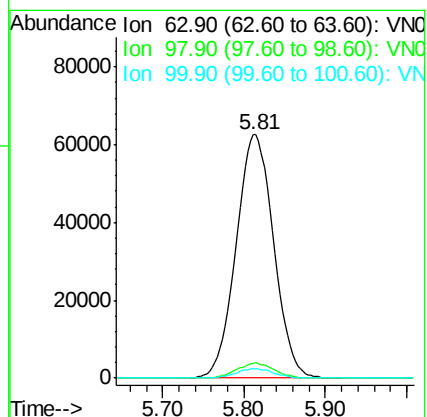
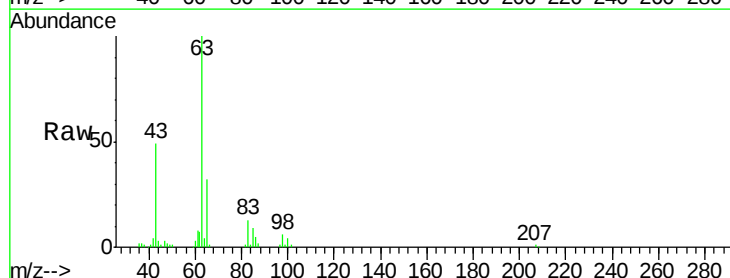
Tgt Ion: 63 Resp: 199242

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 240.92 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

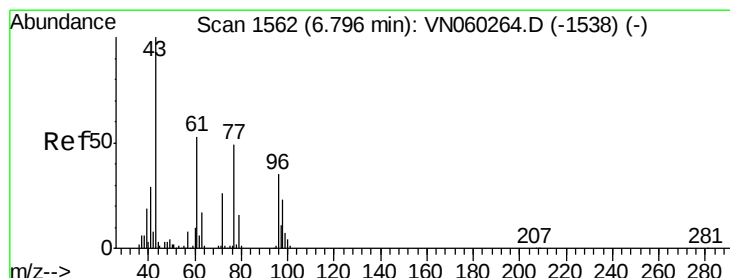
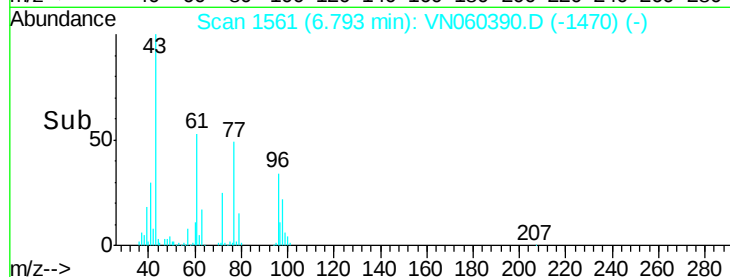
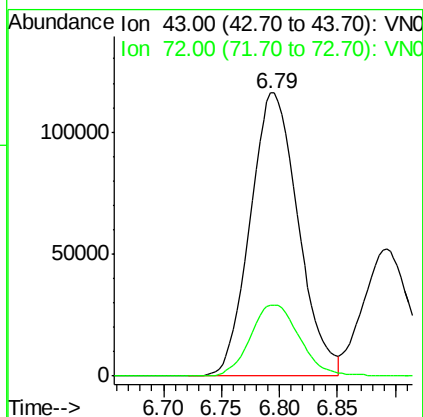
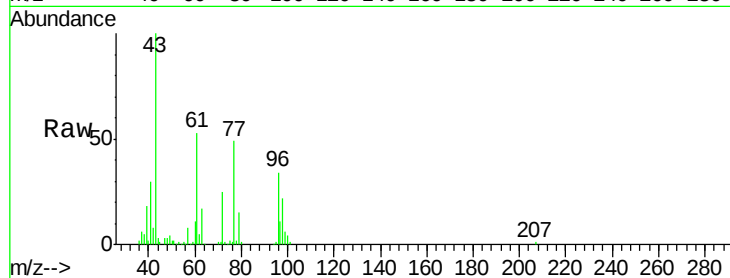
VSTDCCC050

Tgt Ion: 43 Resp: 335067

Ion Ratio Lower Upper

43 100

72 25.0 20.9 31.3



#26

2,2-Dichloropropane

Concen: 46.25 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060390.D

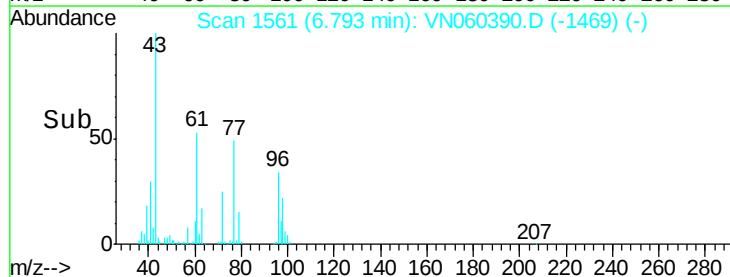
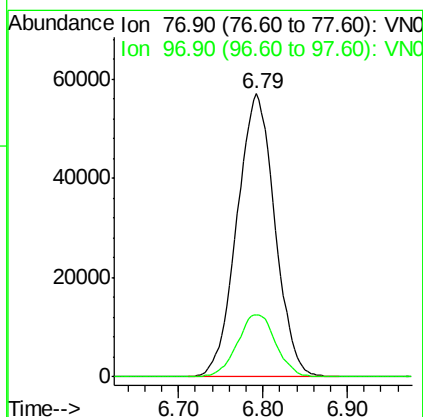
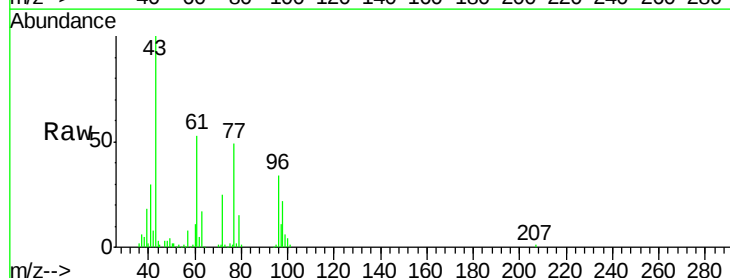
Acq: 9 Mar 2020 9:32

Tgt Ion: 77 Resp: 177729

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 43.34 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

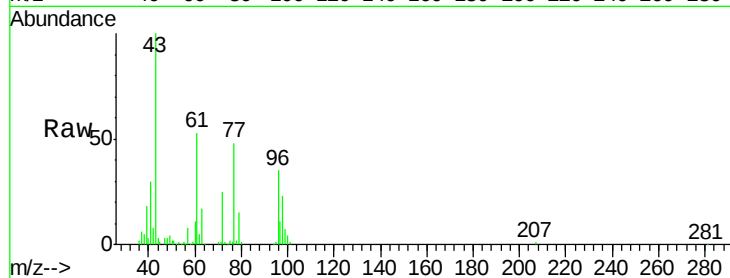
Tgt Ion: 96 Resp: 118829

Ion Ratio Lower Upper

96 100

61 153.3 0.0 300.8

98 64.8 0.0 128.2

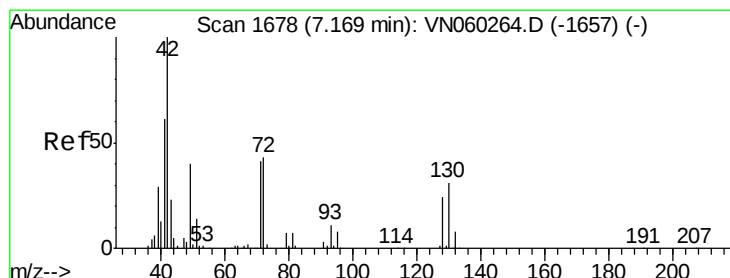
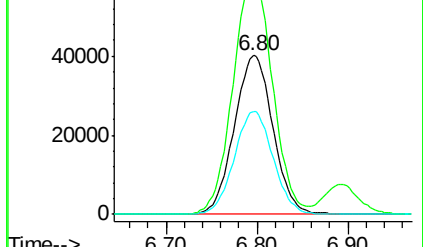
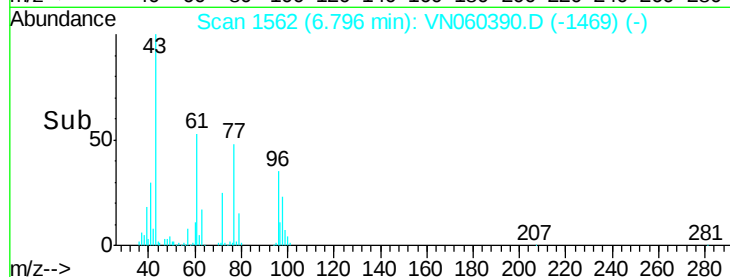


Abundance Ion 95.90 (95.60 to 96.60): VN060390.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN060390.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN060390.D (-1469) (-)

Time-->



#28

Bromochloromethane

Concen: 47.65 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

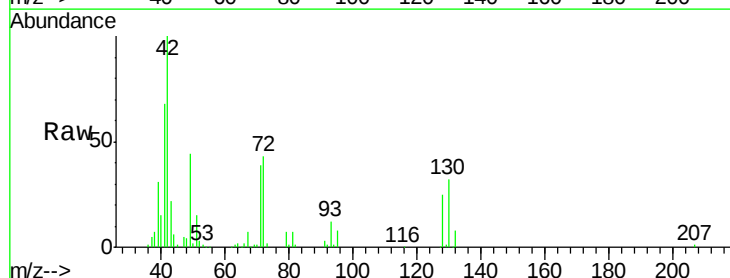
Tgt Ion: 49 Resp: 82573

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.8

130 70.7 59.8 89.8

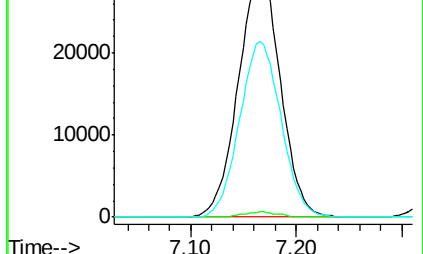
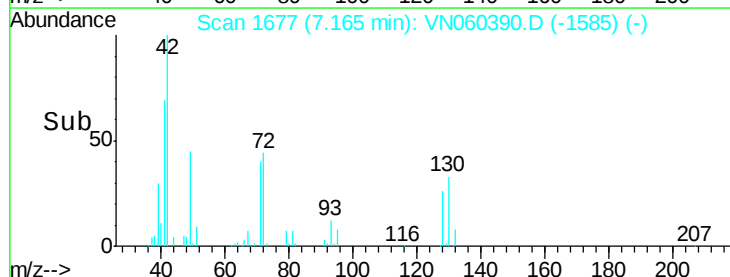


Abundance Ion 48.90 (48.60 to 49.60): VN060390.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060390.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060390.D (-1585) (-)

Time-->





#29

Tetrahydrofuran

Concen: 236.00 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

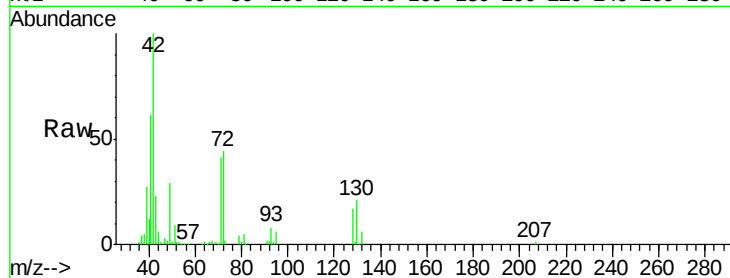
Tgt Ion: 42 Resp: 228242

Ion Ratio Lower Upper

42 100

72 43.2 34.6 52.0

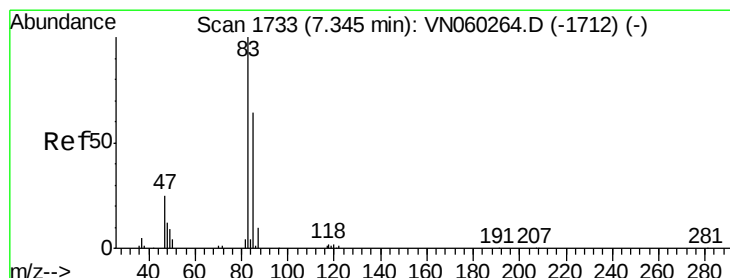
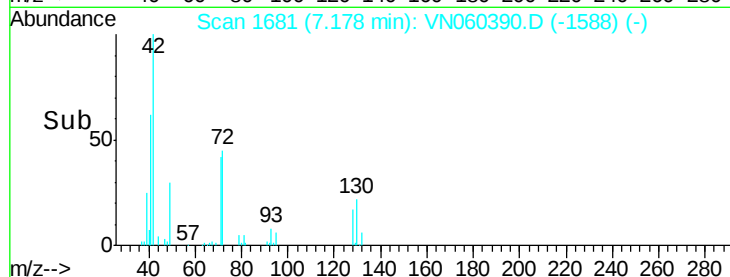
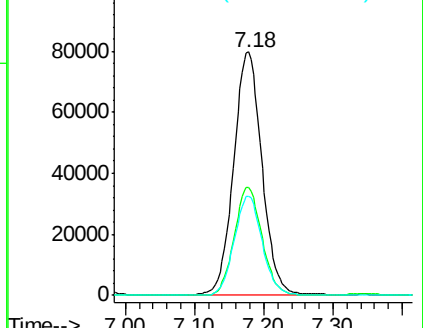
71 40.0 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN060390.D (-1588) (-)

Ion 72.00 (71.70 to 72.70): VN060390.D (-1588) (-)

Ion 71.00 (70.70 to 71.70): VN060390.D (-1588) (-)



#30

Chloroform

Concen: 47.37 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN060390.D

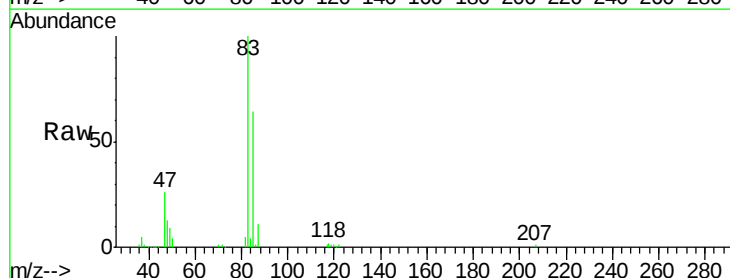
Acq: 9 Mar 2020 9:32

Tgt Ion: 83 Resp: 199028

Ion Ratio Lower Upper

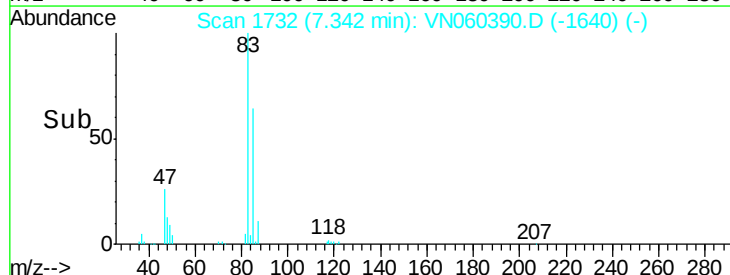
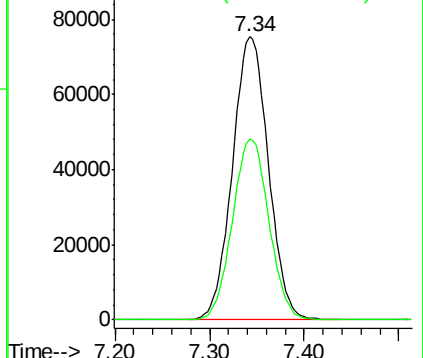
83 100

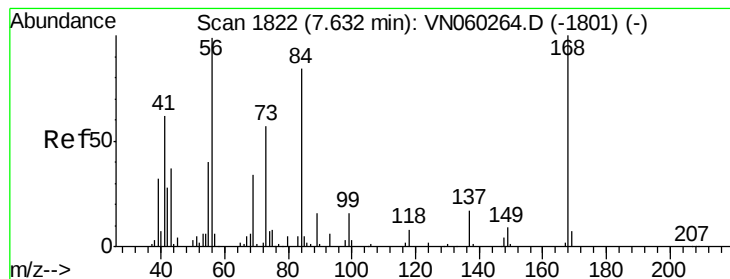
85 63.9 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN060390.D (-1640) (-)

Ion 84.90 (84.60 to 85.60): VN060390.D (-1640) (-)





#31

Cyclohexane

Concen: 46.57 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

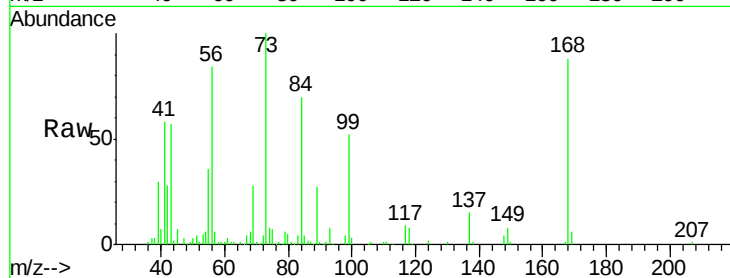
Tgt Ion: 56 Resp: 168087

Ion Ratio Lower Upper

56 100

69 33.3 27.2 40.8

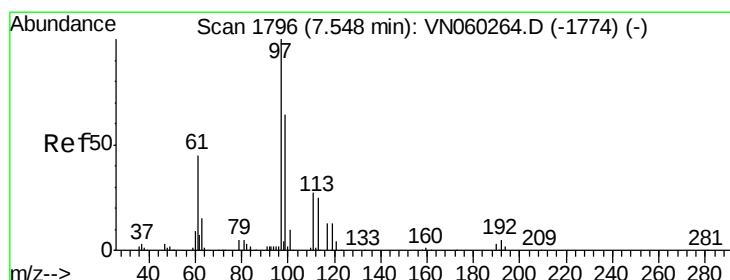
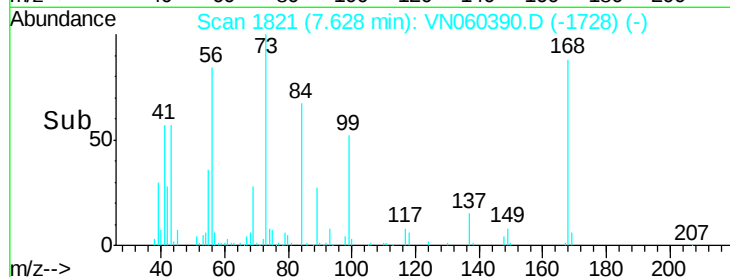
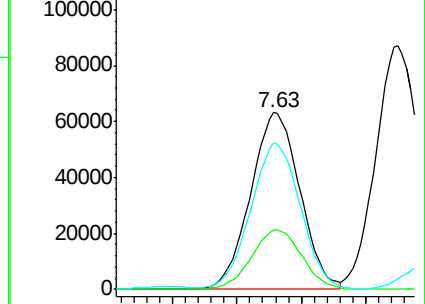
84 81.4 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN060390.D (-1728) (-)

Ion 69.00 (68.70 to 69.70): VN060390.D (-1728) (-)

Ion 84.00 (83.70 to 84.70): VN060390.D (-1728) (-)



#32

1,1,1-Trichloroethane

Concen: 46.09 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

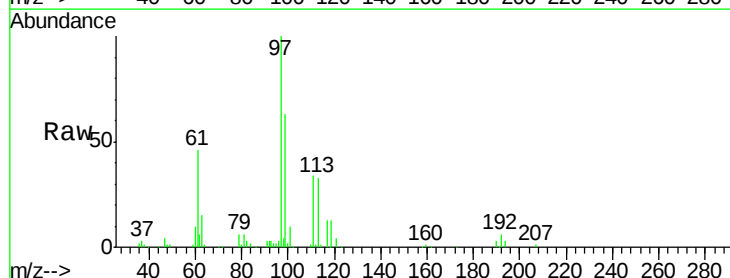
Tgt Ion: 97 Resp: 171606

Ion Ratio Lower Upper

97 100

99 63.3 51.4 77.0

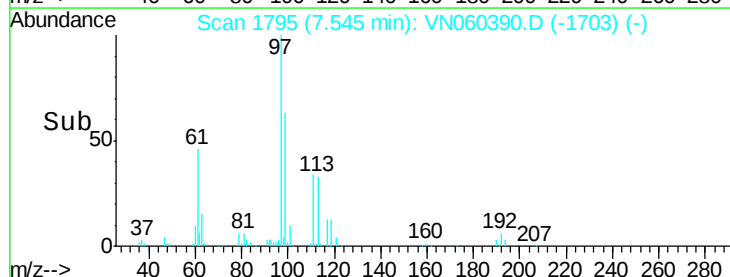
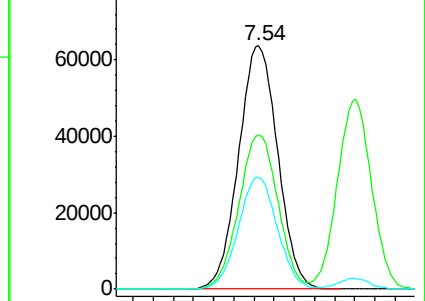
61 45.8 36.6 55.0

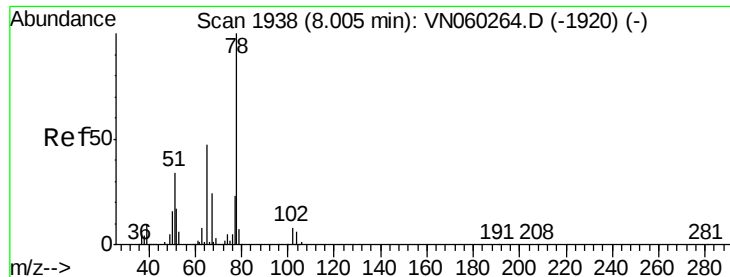


Abundance Ion 96.90 (96.60 to 97.60): VN060390.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060390.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060390.D (-1703) (-)

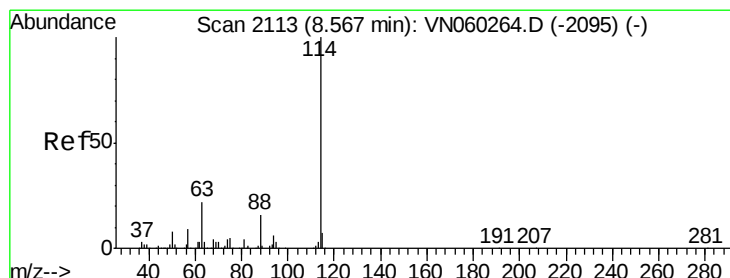
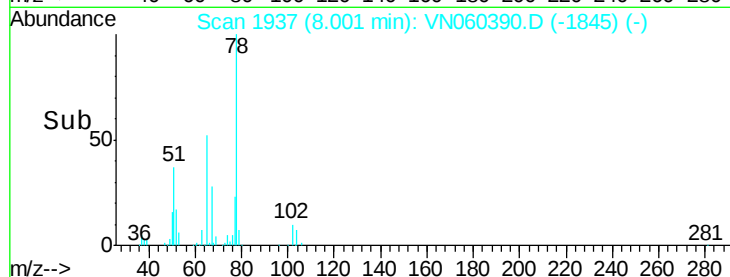
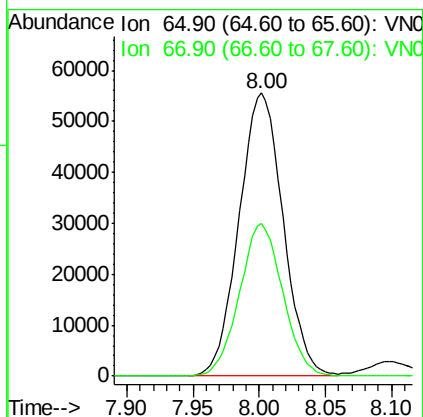
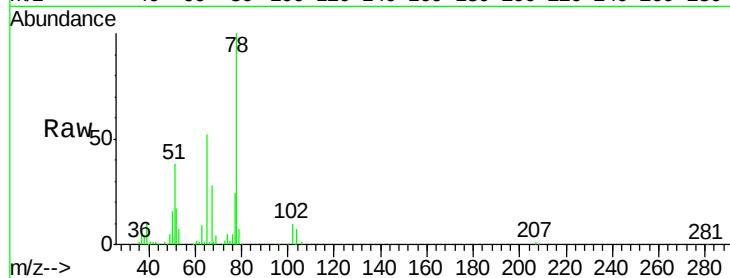




#33
 1,2-Dichloroethane-d4
 Concen: 48.23 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

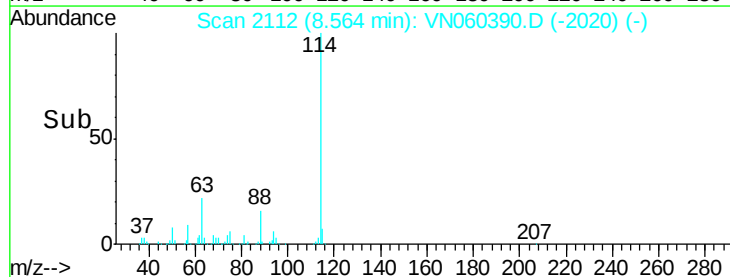
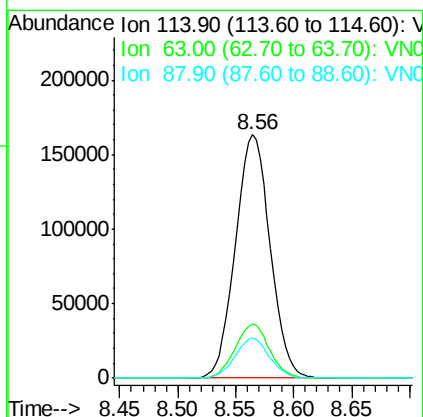
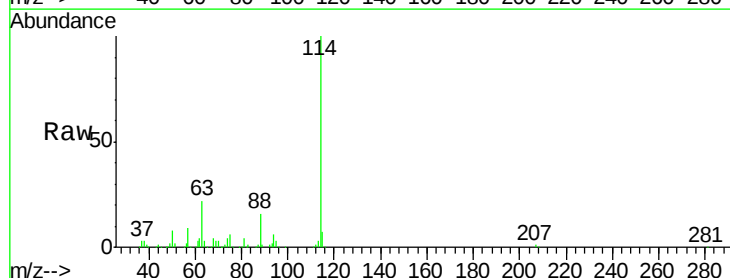
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

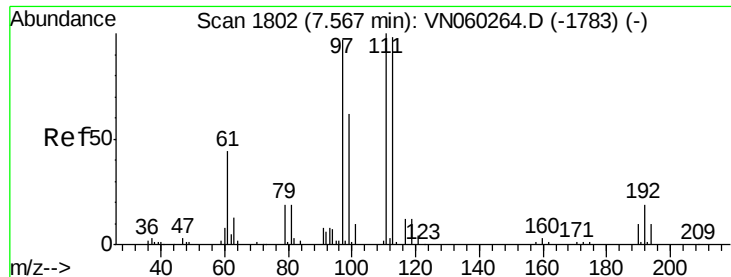
Tgt Ion: 65 Resp: 128594
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

Tgt Ion: 114 Resp: 338677
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 16.4 0.0 31.6

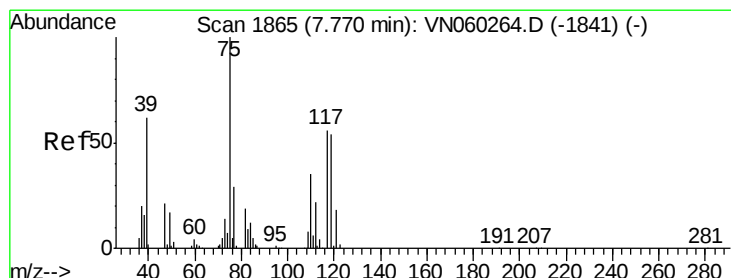
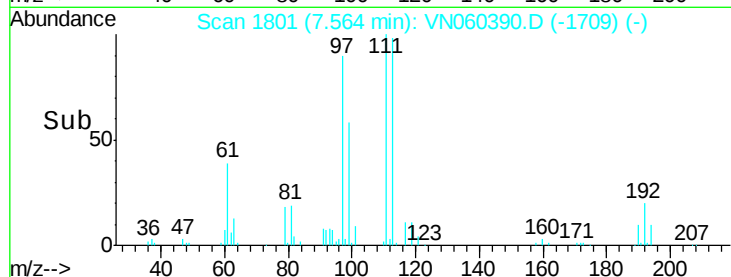
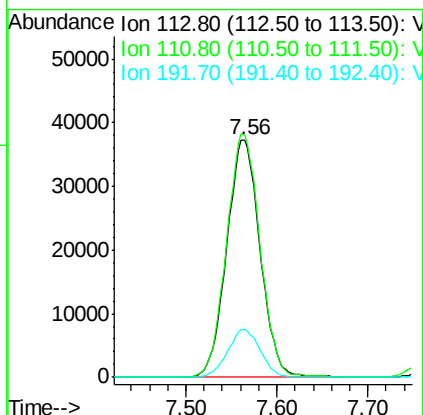
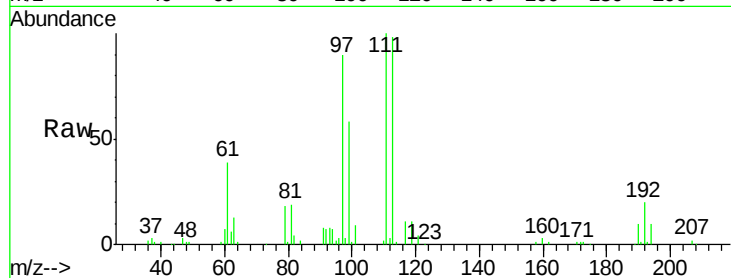




#35
 Dibromofluoromethane
 Concen: 60.24 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

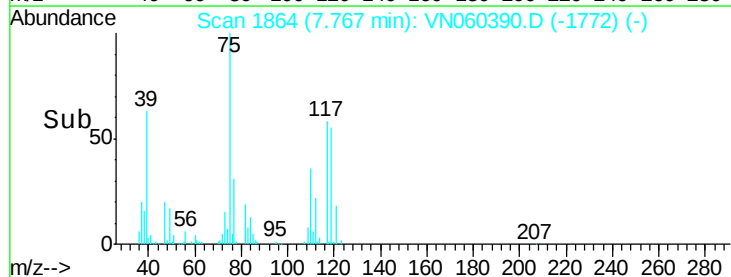
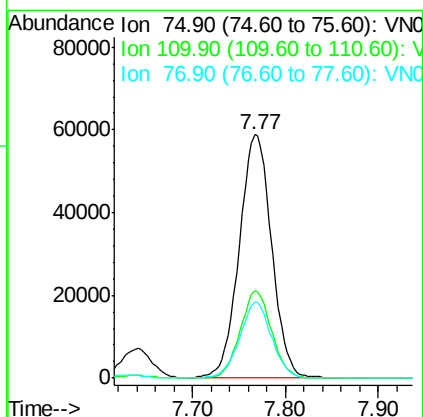
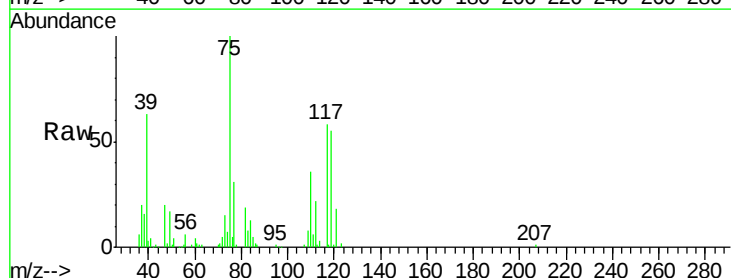
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 113 Resp: 94697
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.4 123.6
 192 19.9 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 44.15 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

Tgt Ion: 75 Resp: 142516
 Ion Ratio Lower Upper
 75 100
 110 34.6 17.3 52.0
 77 30.9 24.2 36.2

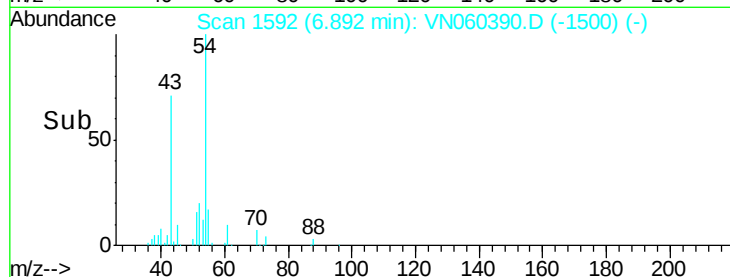
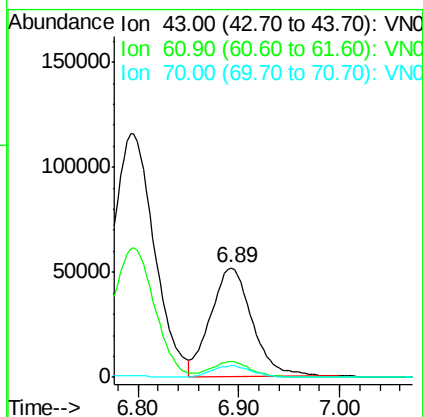
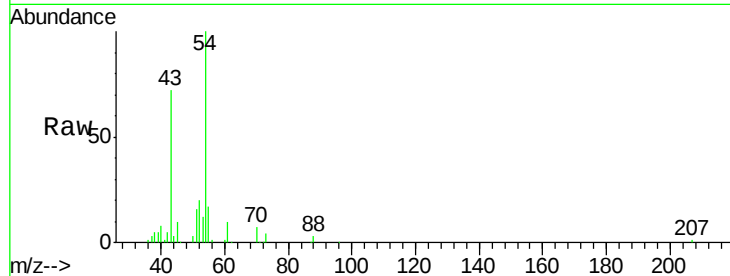




#37
Ethyl Acetate
 Concen: 48.84 ug/l
 RT: 6.89 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

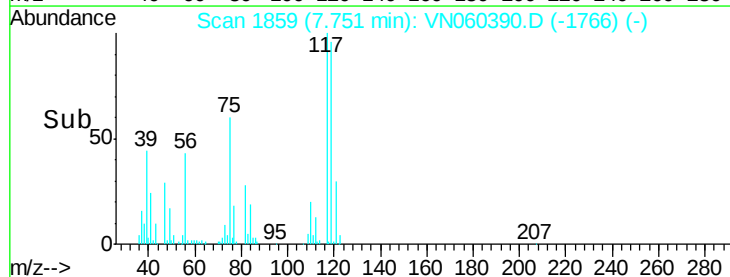
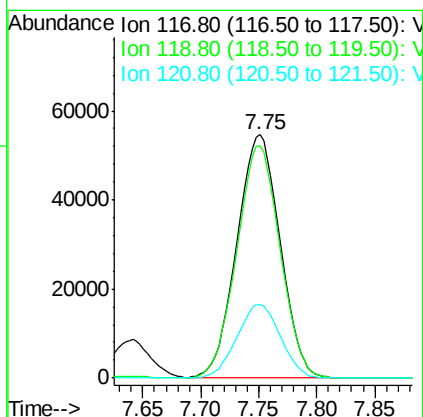
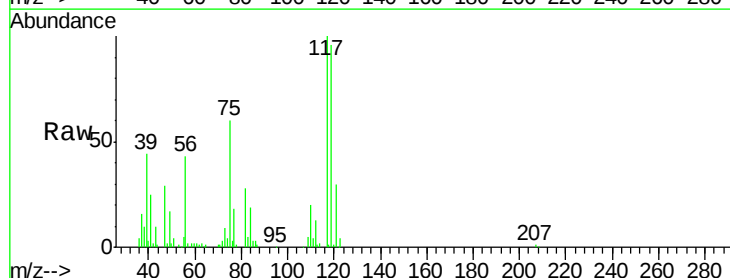
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

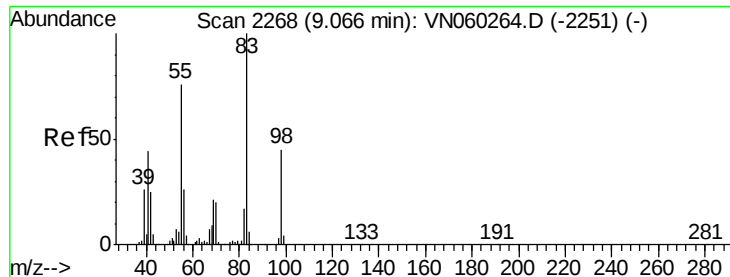
Tgt Ion: 43 Resp: 149257
 Ion Ratio Lower Upper
 43 100
 61 13.3 11.1 16.7
 70 10.2 8.4 12.6



#38
Carbon Tetrachloride
 Concen: 45.10 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

Tgt Ion: 117 Resp: 141720
 Ion Ratio Lower Upper
 117 100
 119 95.6 76.7 115.1
 121 30.4 24.5 36.7

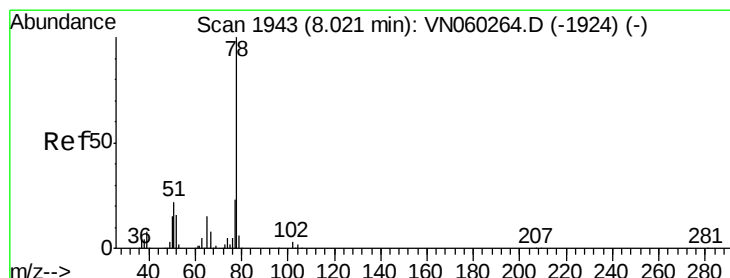
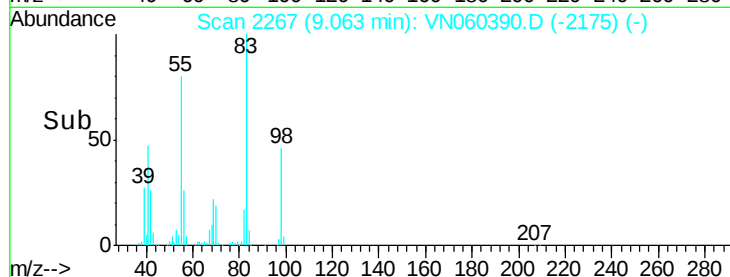
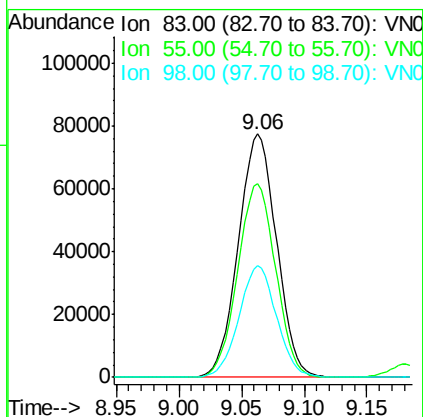
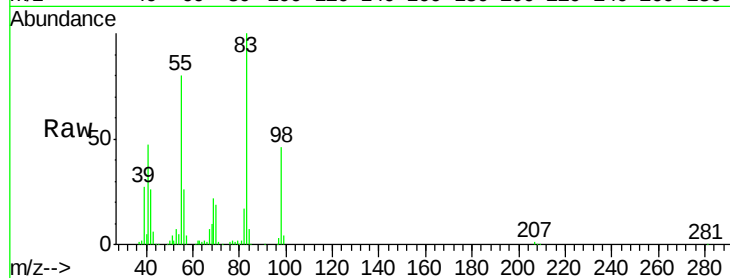




#39
Methylcyclohexane
Concen: 43.20 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

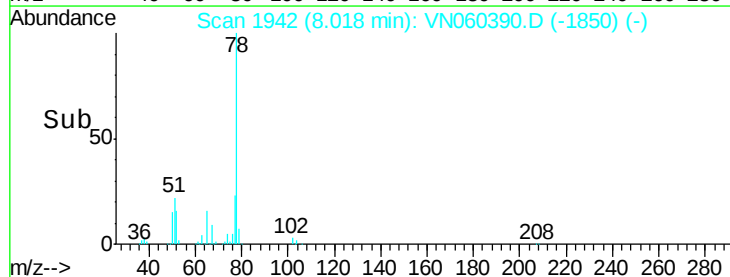
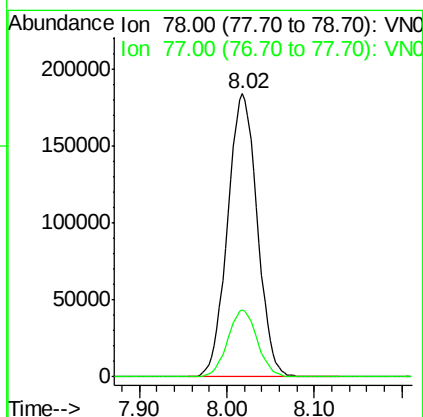
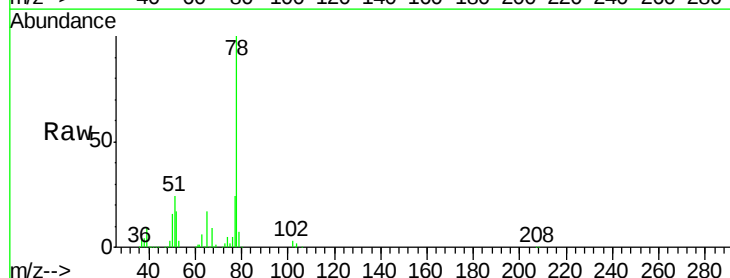
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

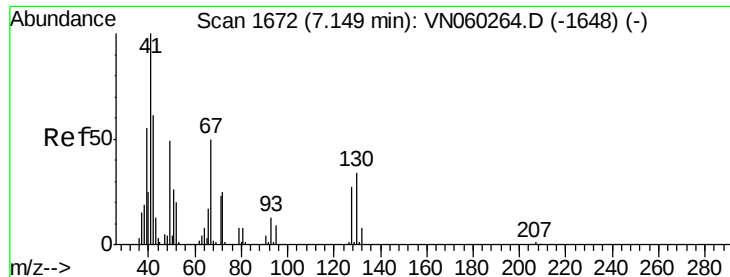
Tgt Ion: 83 Resp: 164400
Ion Ratio Lower Upper
83 100
55 79.7 61.0 91.4
98 45.7 36.1 54.1



#40
Benzene
Concen: 46.08 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

Tgt Ion: 78 Resp: 432862
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

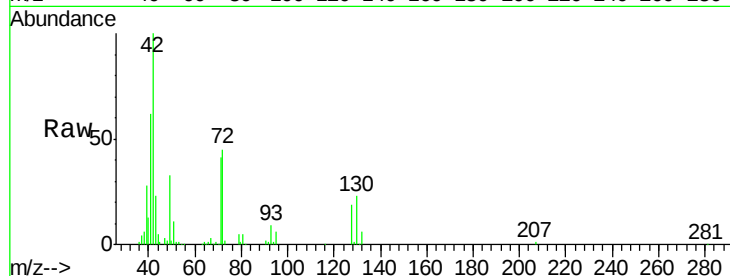




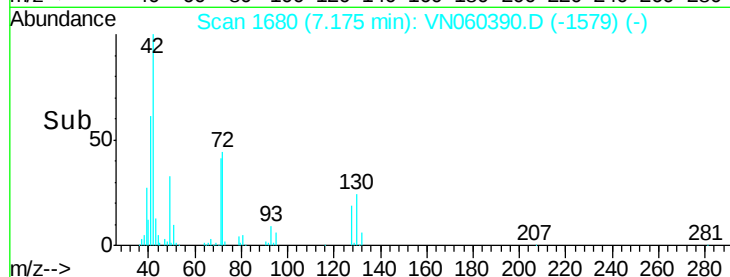
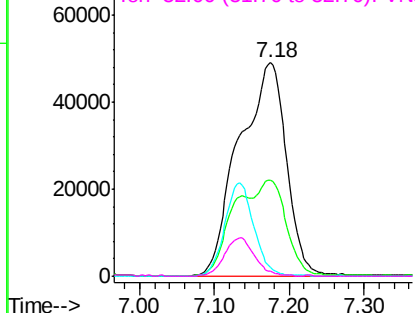
#41
Methacrylonitrile
Concen: 152.65 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	215421
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

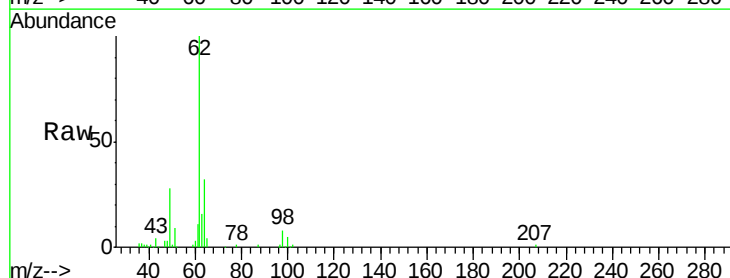


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

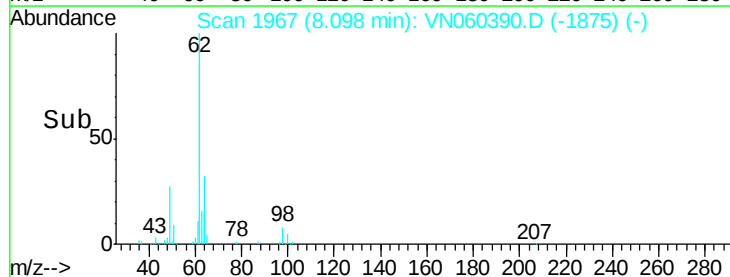
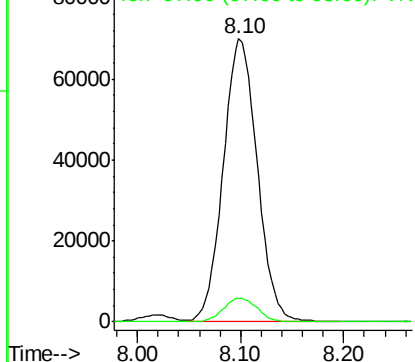


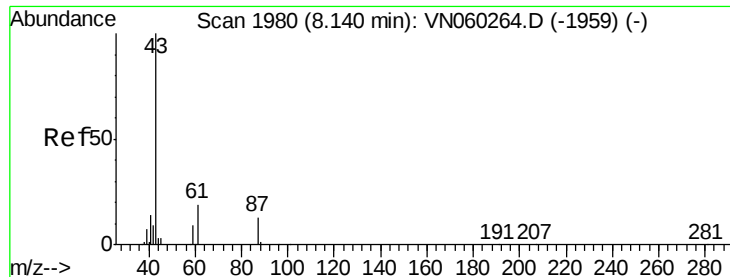
#42
1,2-Dichloroethane
Concen: 47.55 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

Tgt Ion:	62	Resp:	161201
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0



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





#43

Isopropyl Acetate

Concen: 49.05 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

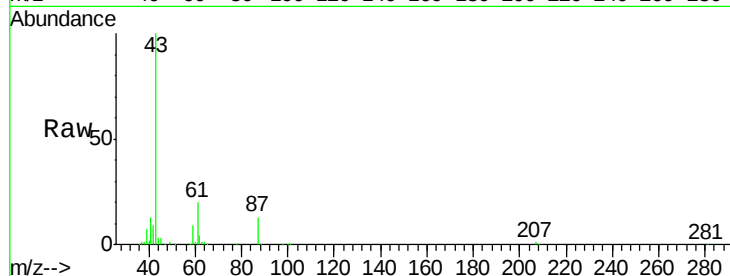
Tgt Ion: 43 Resp: 262422

Ion Ratio Lower Upper

43 100

61 26.0 20.9 31.3

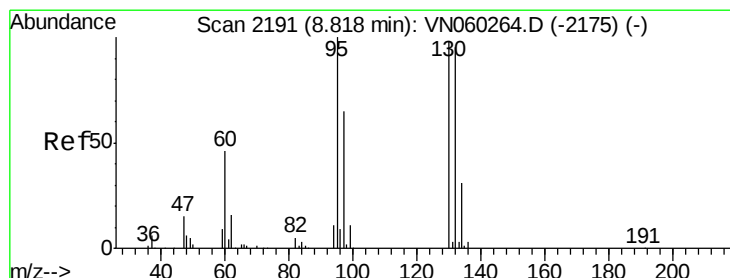
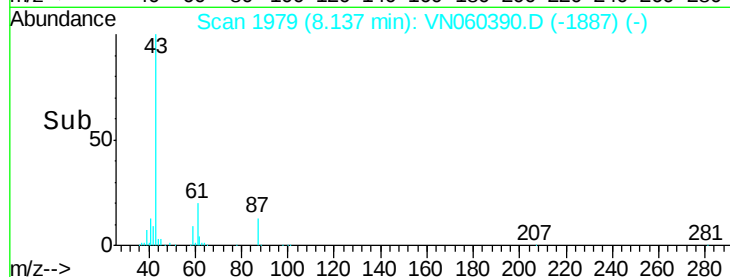
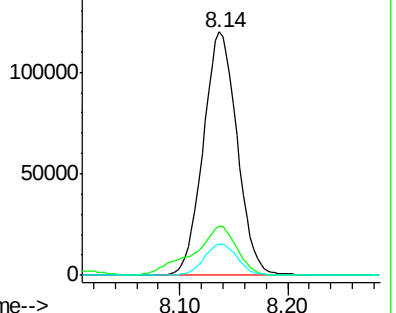
87 12.6 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060390.D (-1979) (-)

Ion 61.00 (60.70 to 61.70): VN060390.D (-1979) (-)

Ion 87.00 (86.70 to 87.70): VN060390.D (-1979) (-)



#44

Trichloroethene

Concen: 45.76 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060390.D

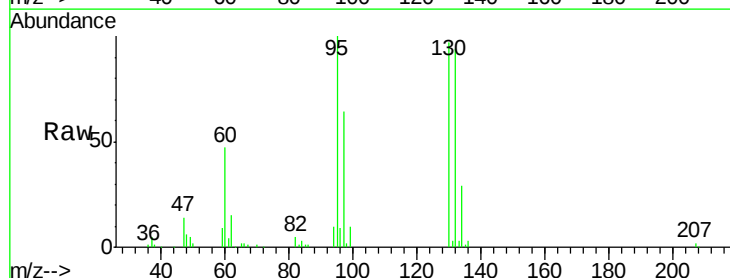
Acq: 9 Mar 2020 9:32

Tgt Ion: 130 Resp: 119724

Ion Ratio Lower Upper

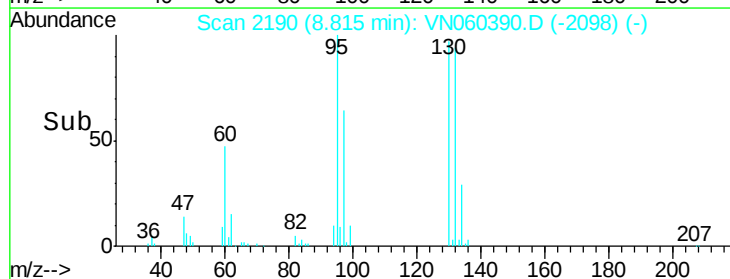
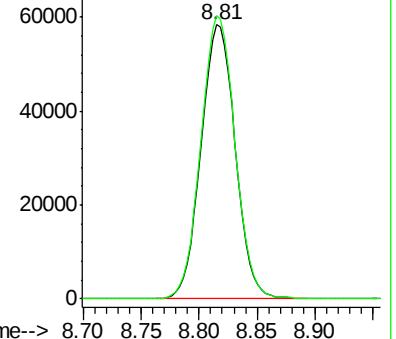
130 100

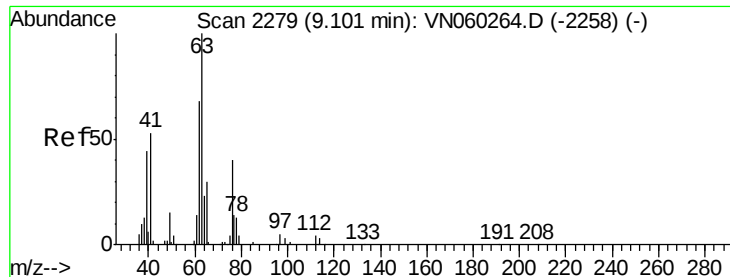
95 103.2 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060390.D (-2190) (-)

Ion 94.90 (94.60 to 95.60): VN060390.D (-2190) (-)

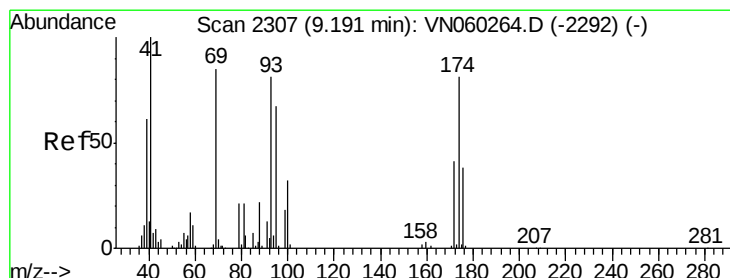
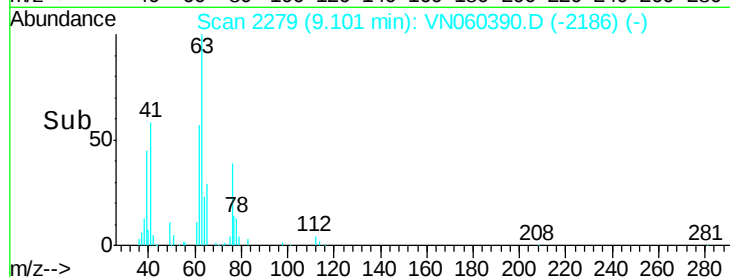
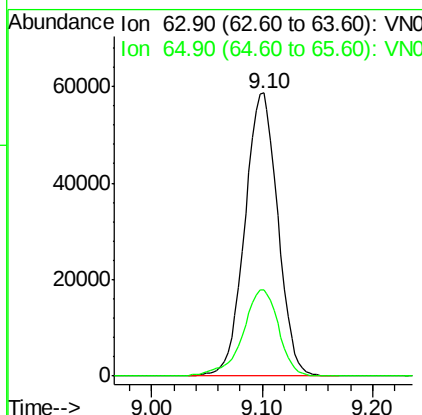
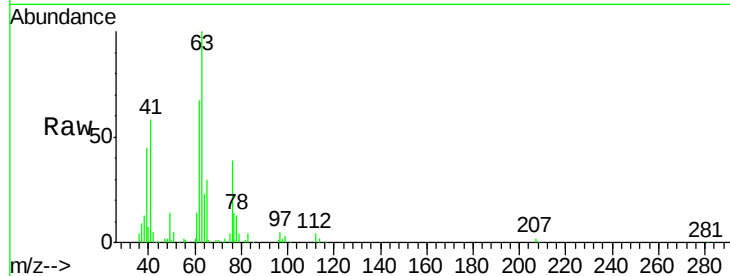




#45
 1,2-Dichloropropane
 Concen: 49.55 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

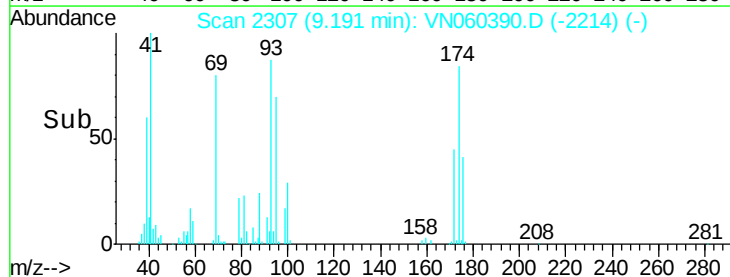
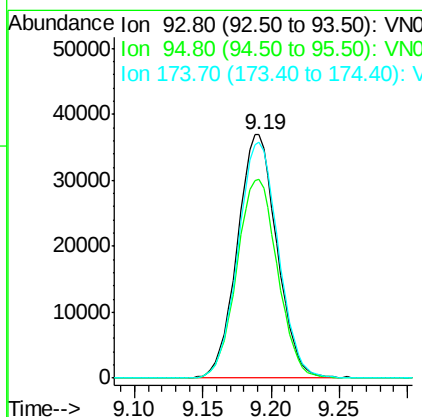
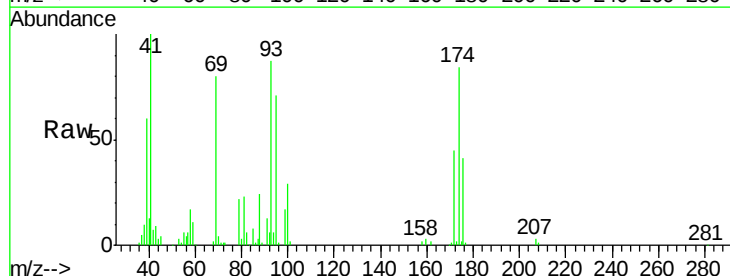
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

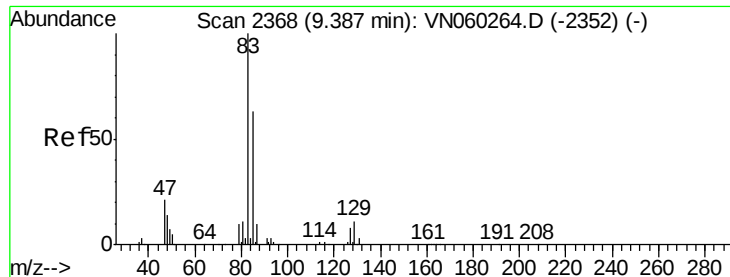
Tgt Ion: 63 Resp: 121702
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.4 36.6



#46
 Dibromomethane
 Concen: 46.72 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

Tgt Ion: 93 Resp: 74469
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.9 98.9
 174 98.3 79.6 119.4





#47

Bromodichloromethane

Concen: 49.28 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

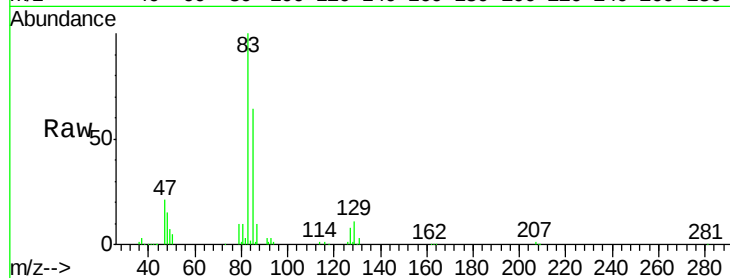
Tgt Ion: 83 Resp: 159737

Ion Ratio Lower Upper

83 100

85 63.8 50.7 76.1

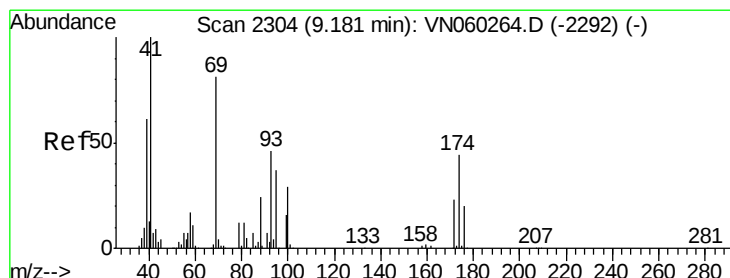
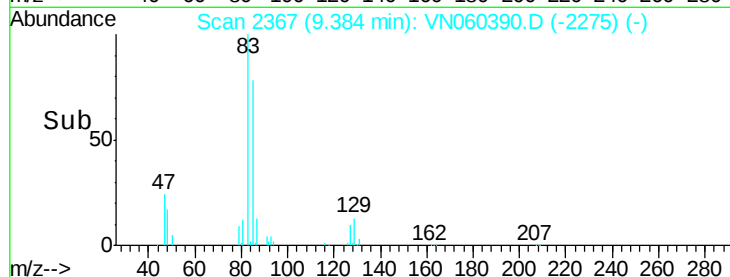
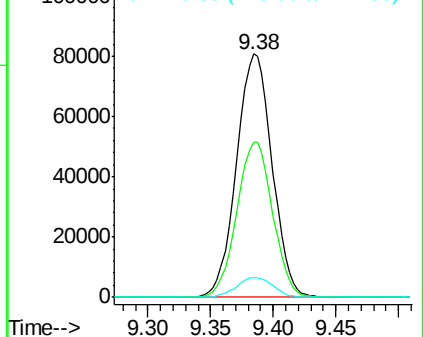
127 8.2 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 47.44 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

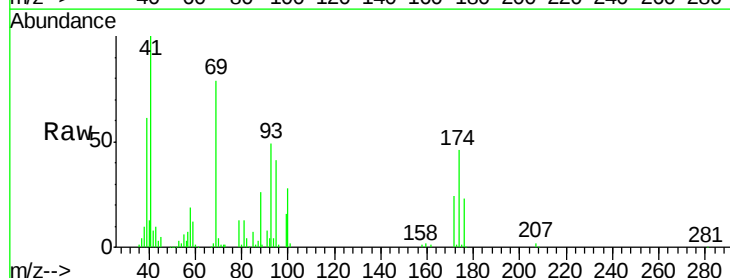
Tgt Ion: 41 Resp: 115745

Ion Ratio Lower Upper

41 100

69 82.0 66.7 100.1

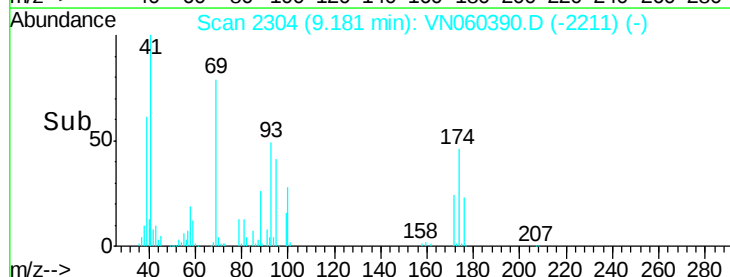
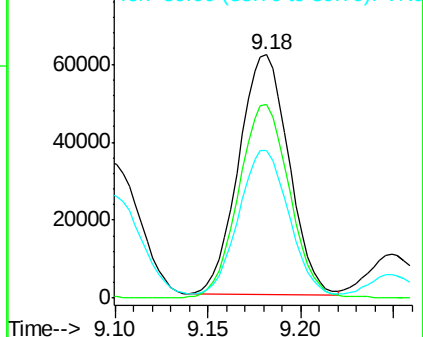
39 63.0 50.1 75.1

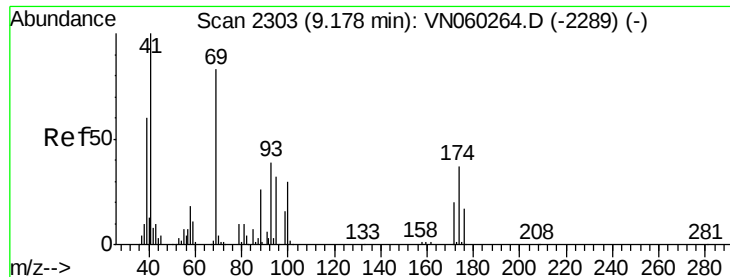


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1015.51 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

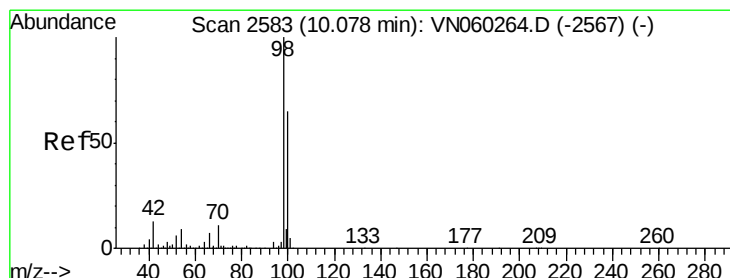
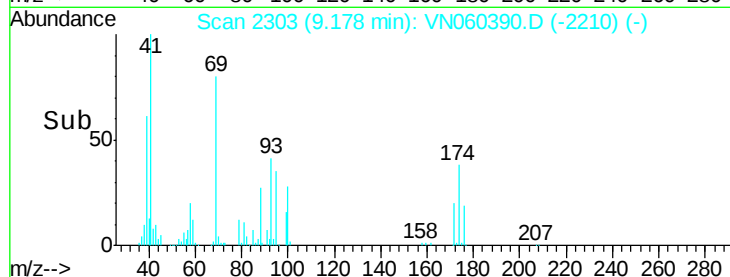
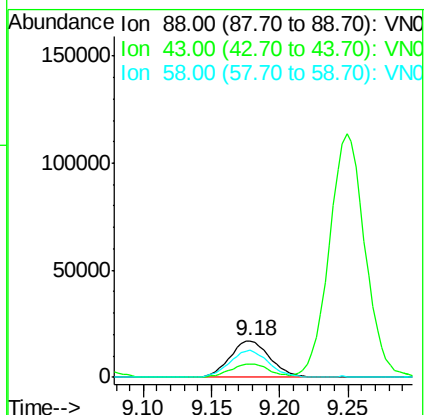
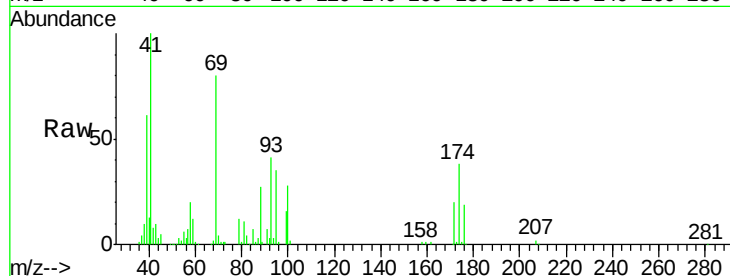
Tgt Ion: 88 Resp: 34844

Ion Ratio Lower Upper

88 100

43 36.1 30.4 45.6

58 71.7 57.0 85.6



#50

Toluene-d8

Concen: 47.20 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060390.D

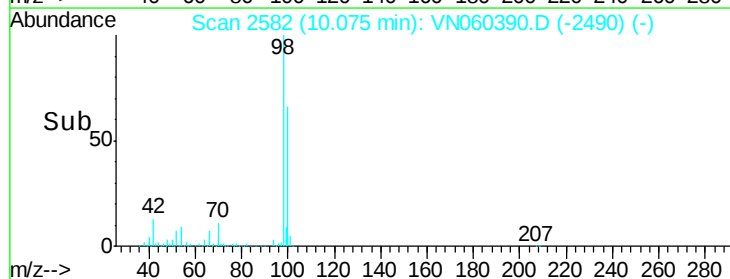
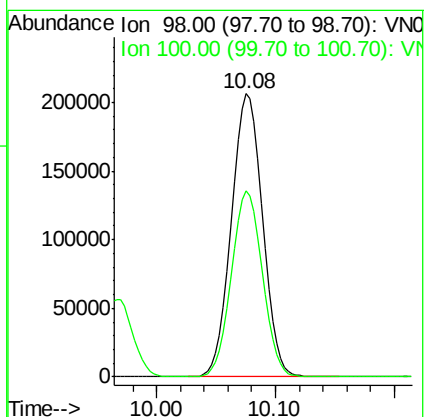
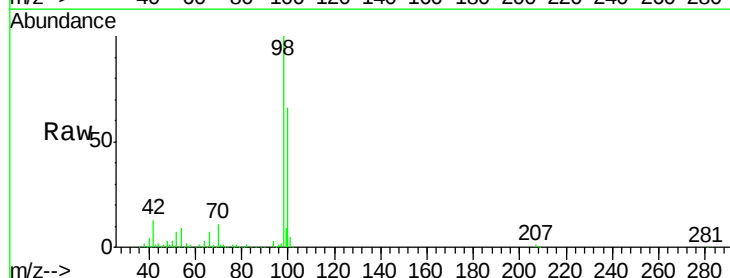
Acq: 9 Mar 2020 9:32

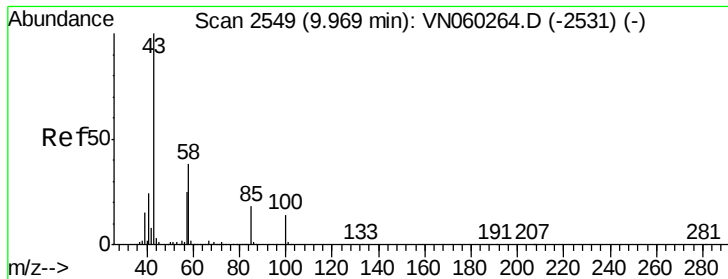
Tgt Ion: 98 Resp: 375540

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2

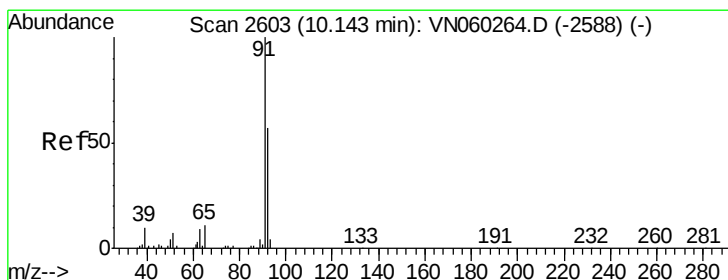
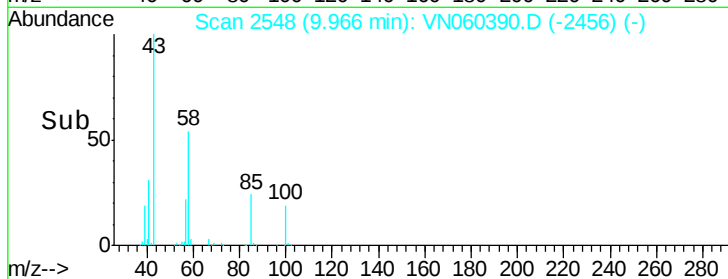
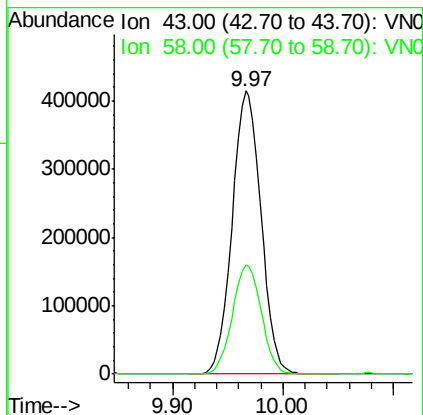
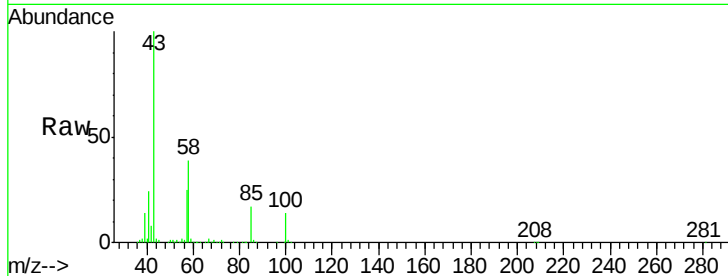




#51
 4-Methyl-2-Pentanone
 Concen: 247.48 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

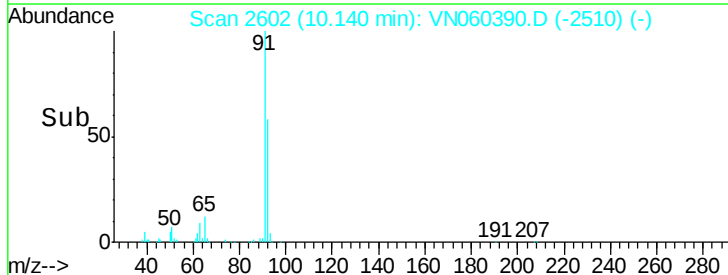
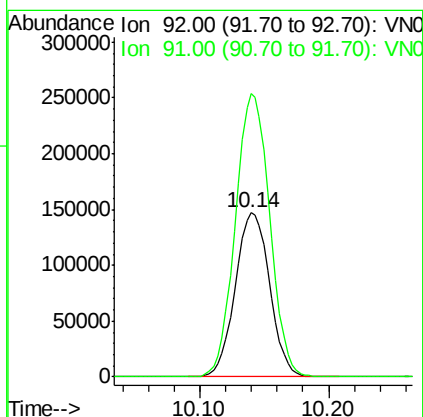
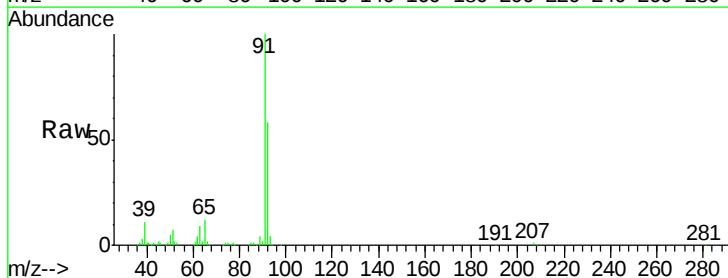
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 750779
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.9 46.3



#52
 Toluene
 Concen: 46.13 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

Tgt Ion: 92 Resp: 272225
 Ion Ratio Lower Upper
 92 100
 91 172.6 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 47.43 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

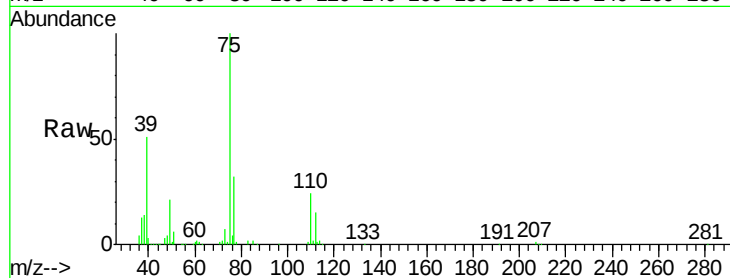
VSTDCCC050

Tgt Ion: 75 Resp: 188388

Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN060390.D (-2581) (-)

Ion 76.90 (76.60 to 77.60): VN060390.D (-2581) (-)

10.37

120000

100000

80000

60000

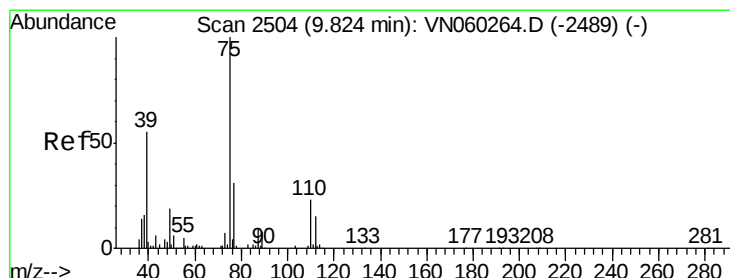
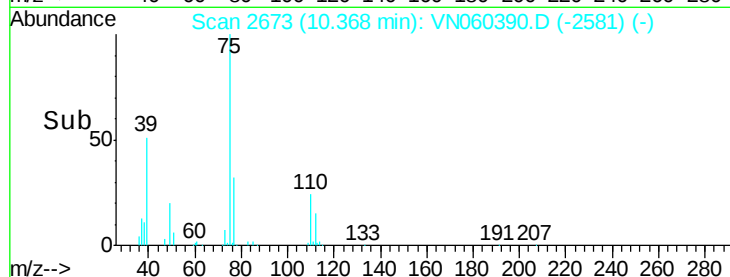
40000

20000

0

10.30 10.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.88 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

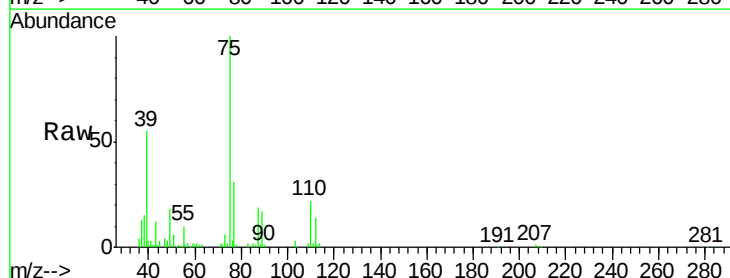
Tgt Ion: 75 Resp: 197063

Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 54.7 43.8 65.8



Abundance Ion 74.90 (74.60 to 75.60): VN060390.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060390.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060390.D (-2411) (-)

9.82

150000

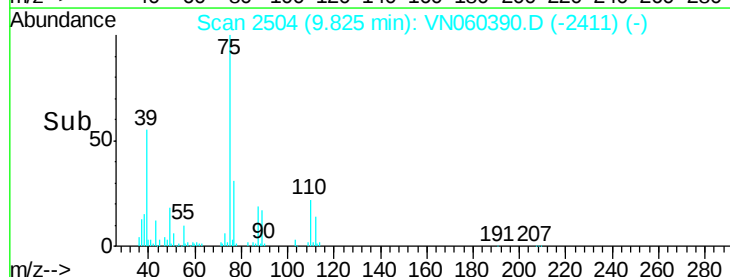
100000

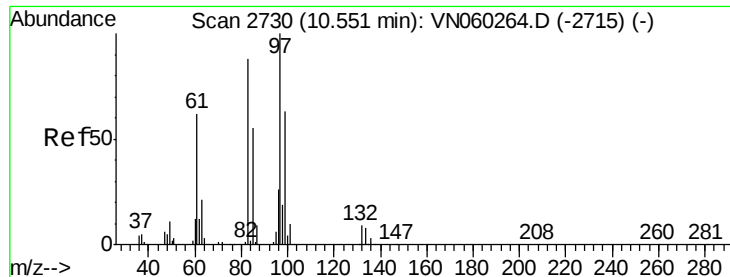
50000

0

9.75 9.80 9.85 9.90

Time-->

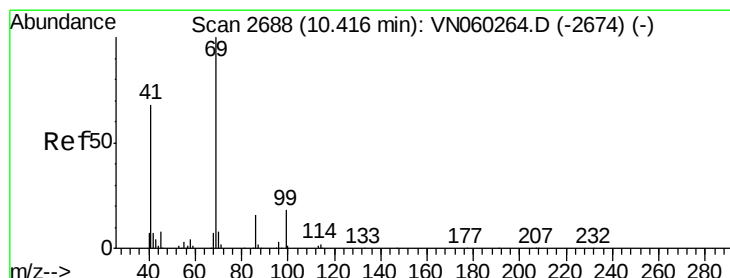
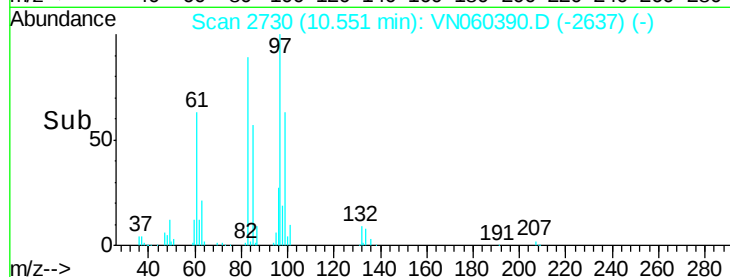
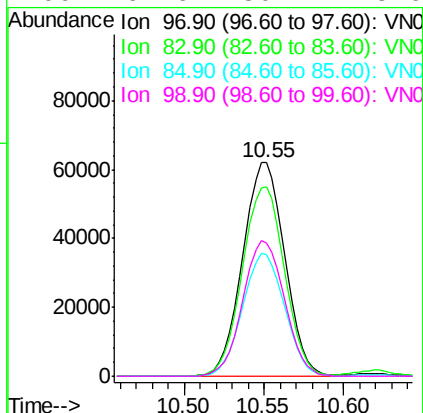
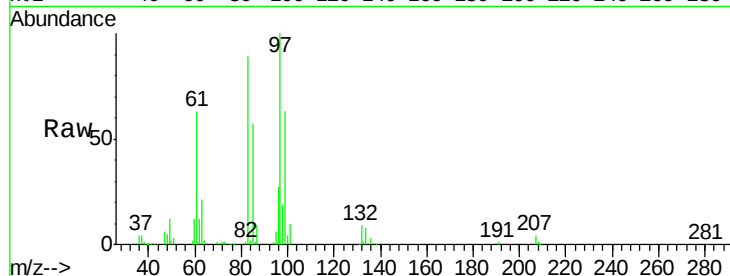




#55
 1,1,2-Trichloroethane
 Concen: 47.02 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

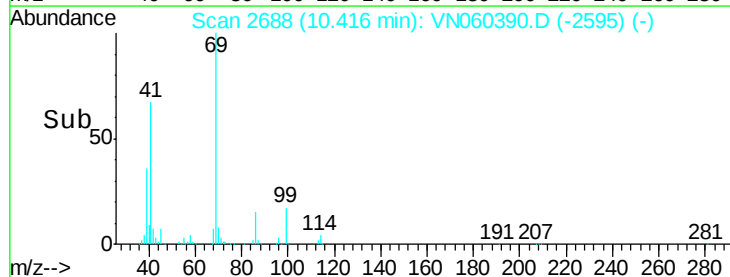
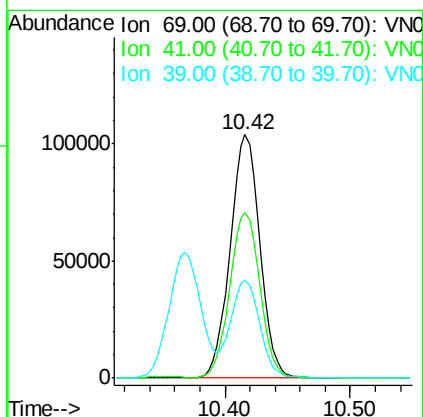
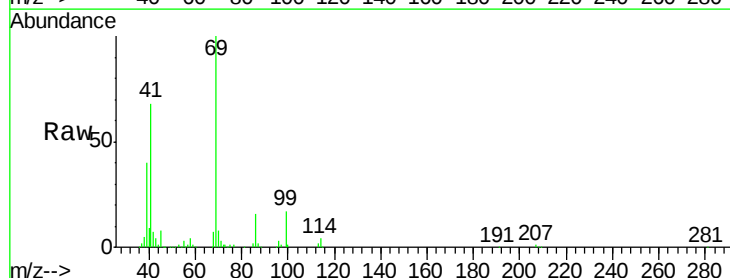
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

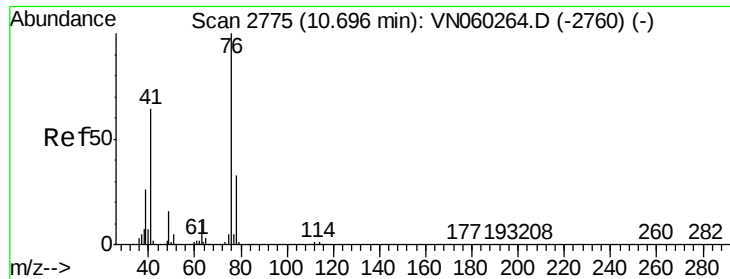
Tgt Ion: 97 Resp: 111587
 Ion Ratio Lower Upper
 97 100
 83 88.9 70.0 105.0
 85 56.8 44.0 66.0
 99 62.6 50.4 75.6



#56
 Ethyl methacrylate
 Concen: 50.10 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

Tgt Ion: 69 Resp: 170806
 Ion Ratio Lower Upper
 69 100
 41 68.7 54.1 81.1
 39 39.6 32.5 48.7





#57

1,3-Dichloropropane

Concen: 49.43 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

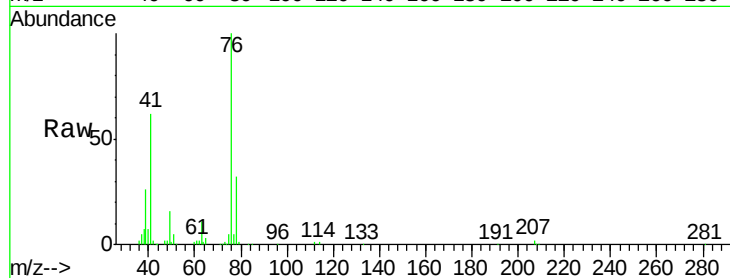
VSTDCCC050

Tgt Ion: 76 Resp: 191307

Ion Ratio Lower Upper

76 100

78 32.6 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN060390.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060390.D (-2682) (-)

10.70

120000

100000

80000

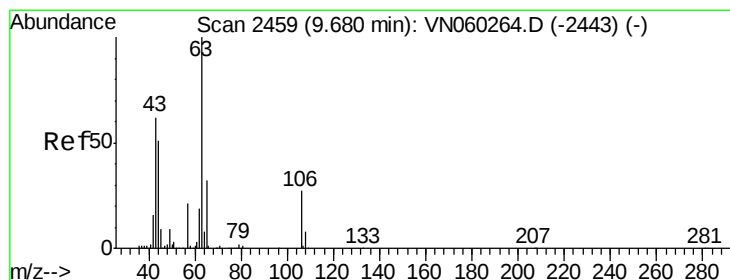
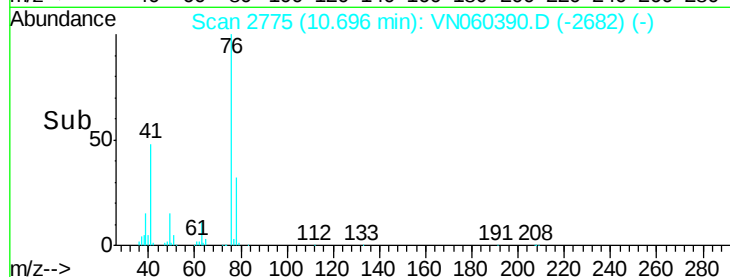
60000

40000

20000

0

Time--> 10.60 10.70



#58

2-Chloroethyl Vinyl ether

Concen: 232.85 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060390.D

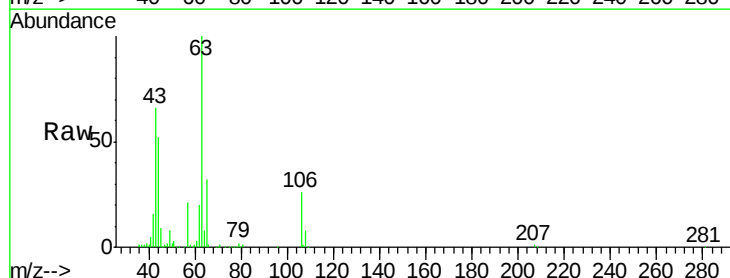
Acq: 9 Mar 2020 9:32

Tgt Ion: 63 Resp: 415216

Ion Ratio Lower Upper

63 100

106 26.0 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN060390.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060390.D (-2366) (-)

9.68

250000

200000

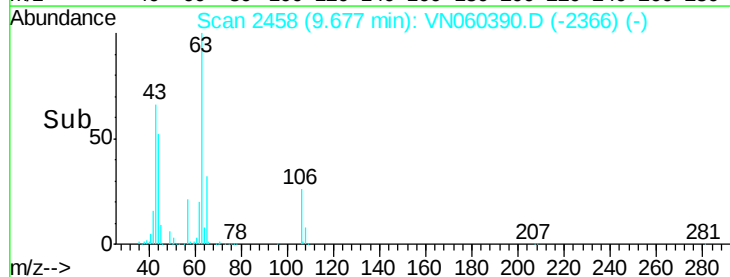
150000

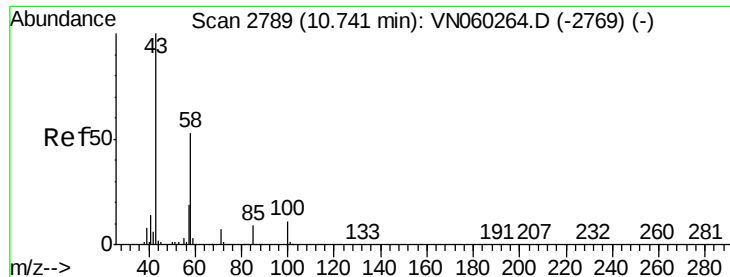
100000

50000

0

Time--> 9.60 9.70 9.80

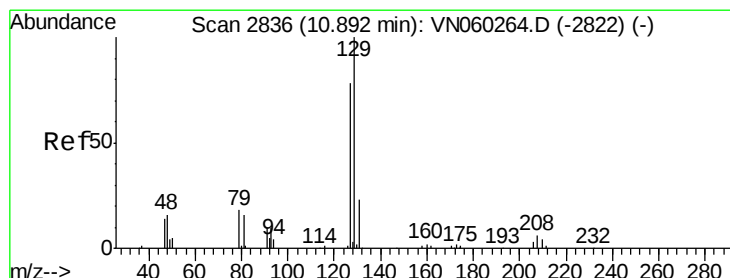
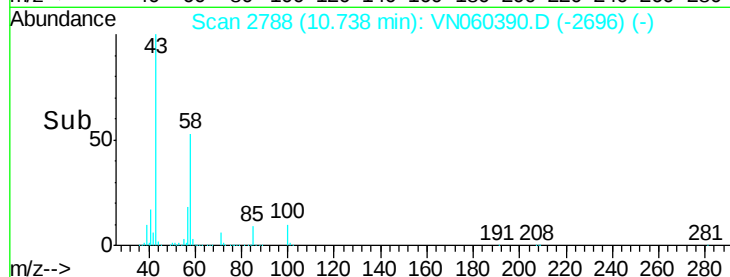
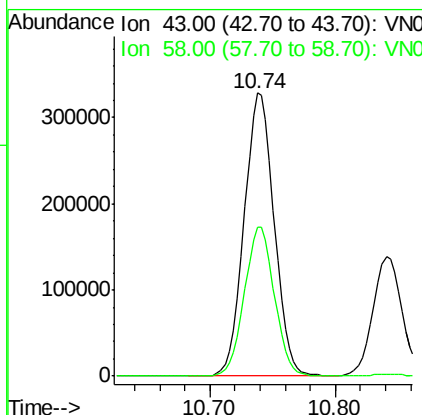
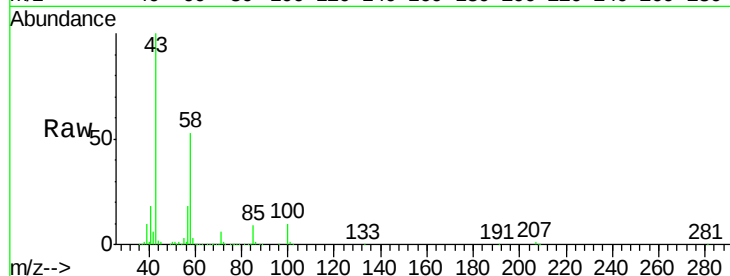




#59
2-Hexanone
Concen: 246.19 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

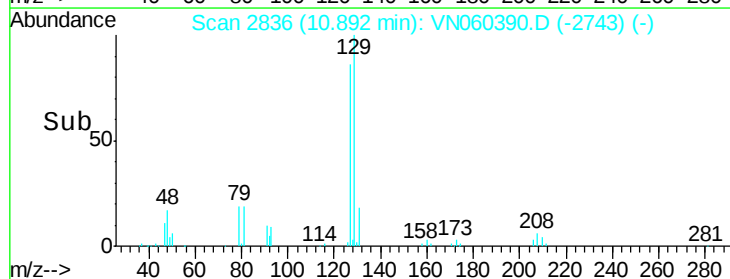
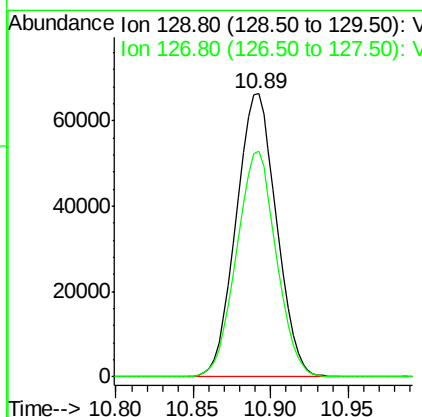
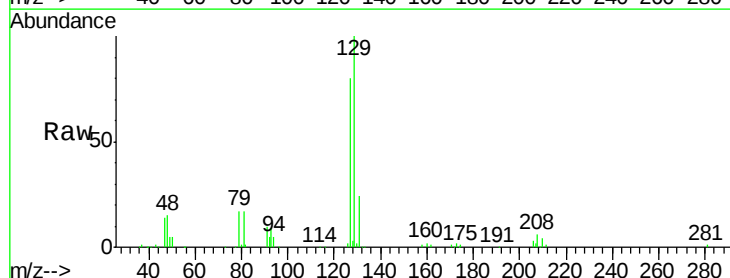
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 548357
Ion Ratio Lower Upper
43 100
58 52.6 26.5 79.5



#60
Dibromochloromethane
Concen: 49.82 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

Tgt Ion: 129 Resp: 120232
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 47.56 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

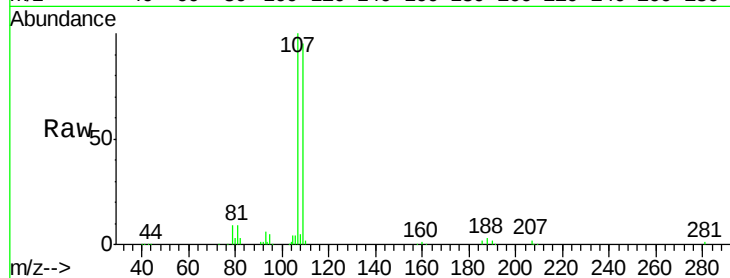
VSTDCCC050

Tgt Ion: 107 Resp: 110019

Ion Ratio Lower Upper

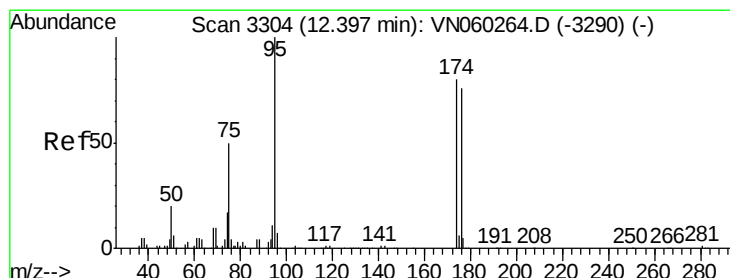
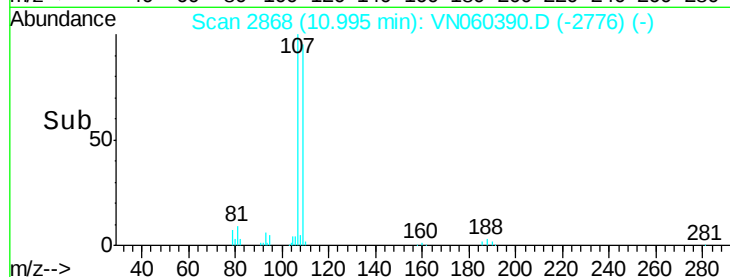
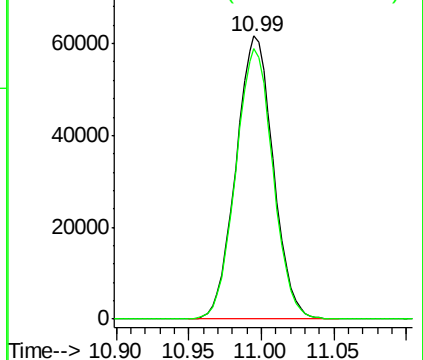
107 100

109 95.5 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.81 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

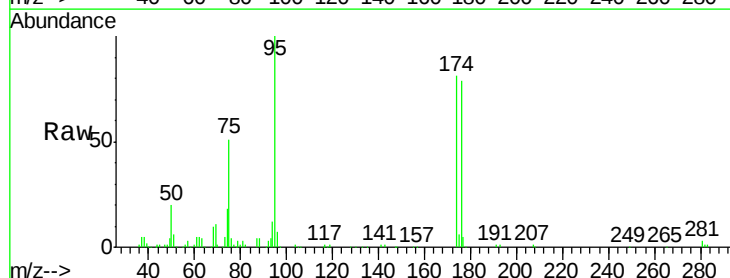
Tgt Ion: 95 Resp: 144186

Ion Ratio Lower Upper

95 100

174 80.2 0.0 159.2

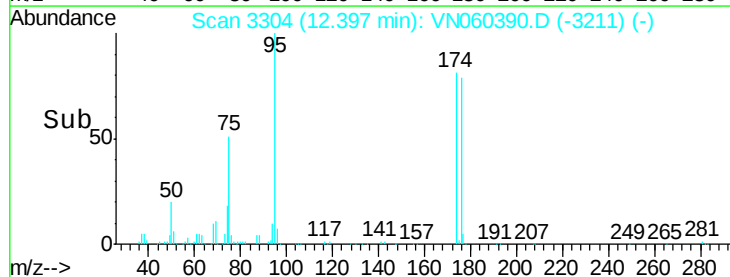
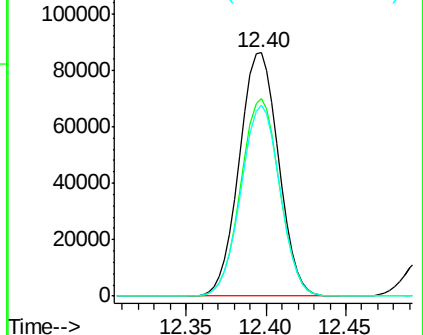
176 77.8 0.0 153.8

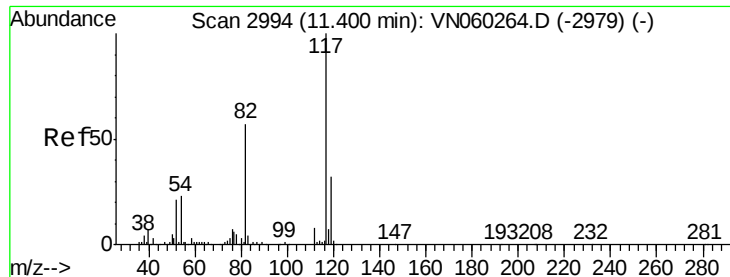


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

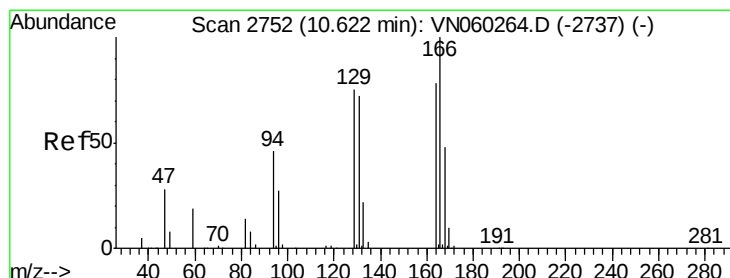
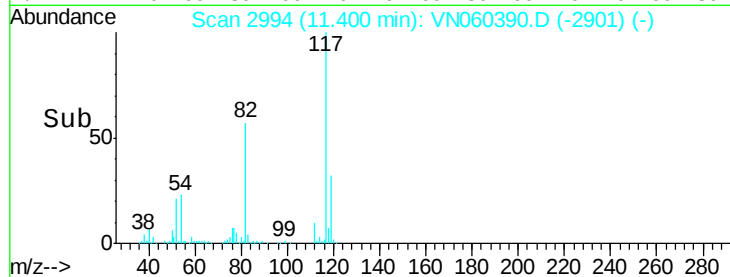
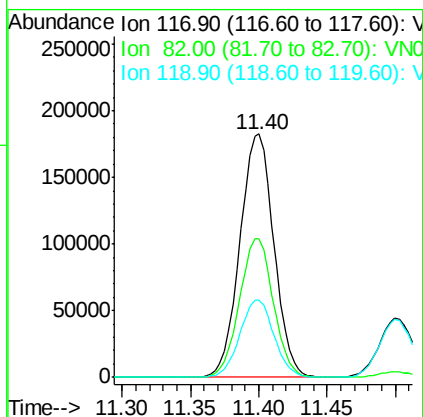
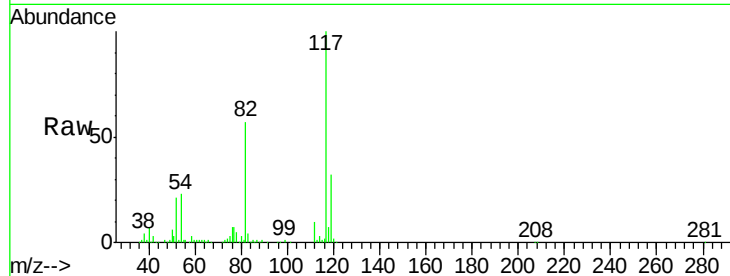




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

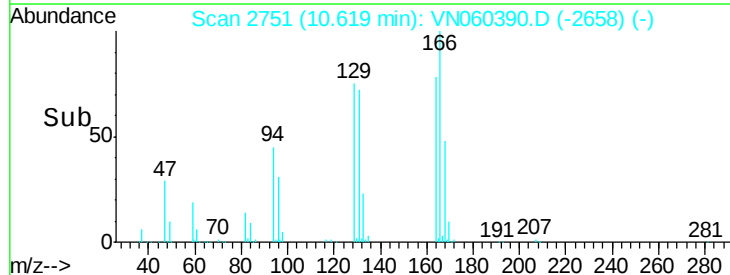
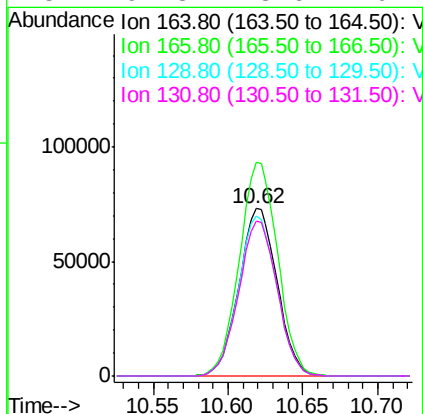
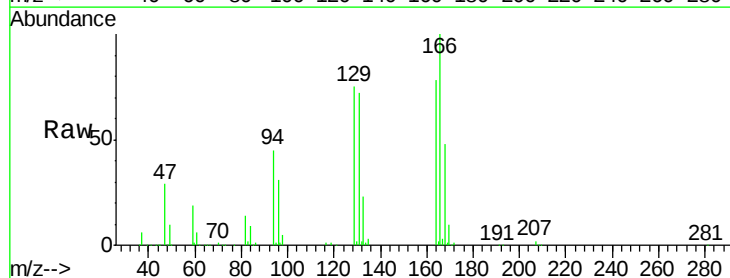
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

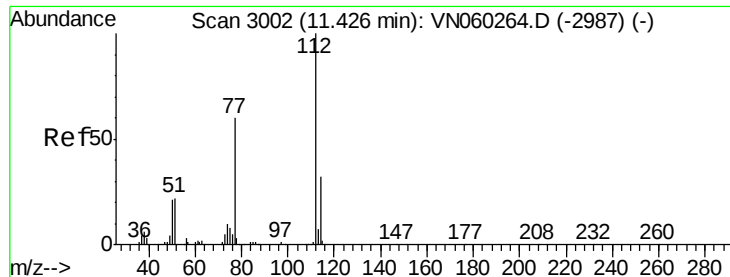
Tgt Ion:117 Resp: 315811
Ion Ratio Lower Upper
117 100
82 56.7 45.8 68.6
119 31.8 25.8 38.8



#64
Tetrachloroethene
Concen: 52.22 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

Tgt Ion:164 Resp: 129702
Ion Ratio Lower Upper
164 100
166 127.7 102.0 153.0
129 95.9 76.4 114.6
131 92.3 73.6 110.4

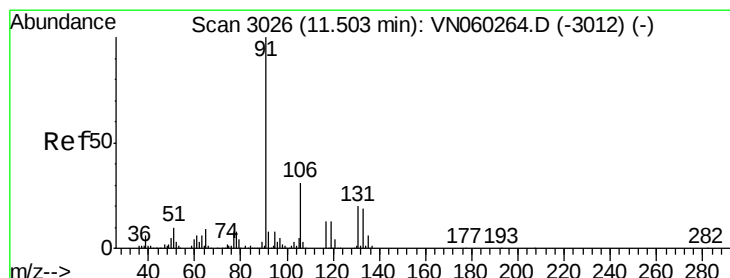
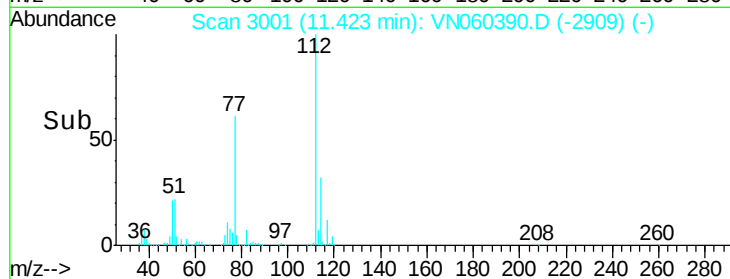
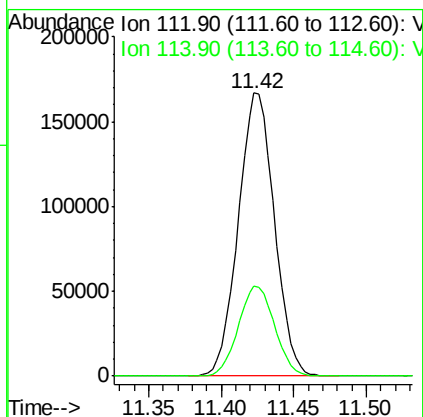
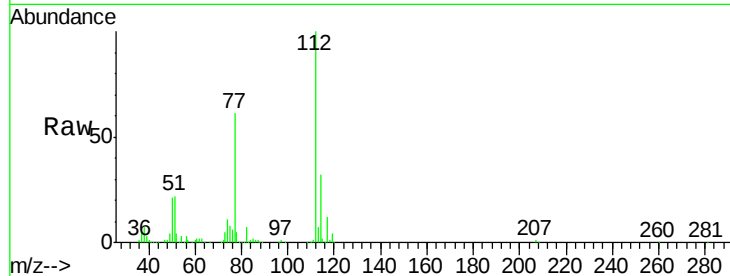




#65
Chlorobenzene
Concen: 45.35 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

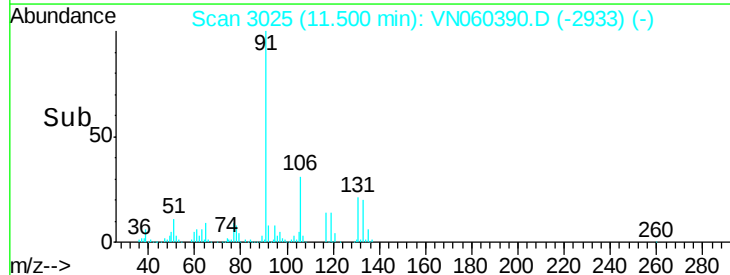
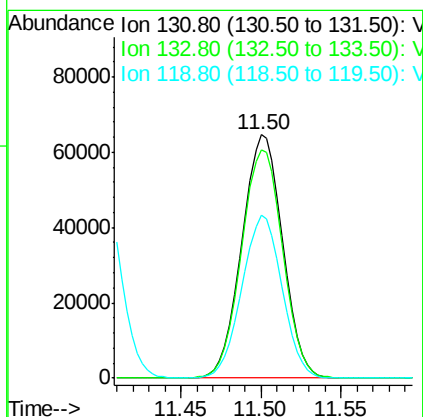
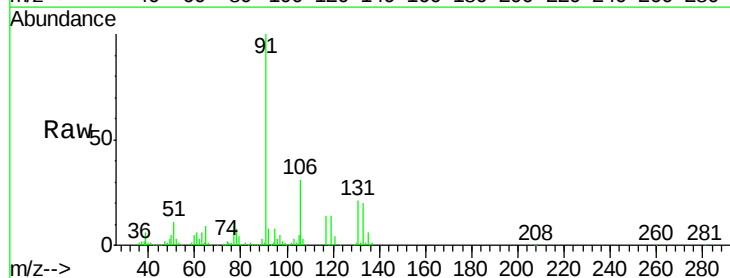
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

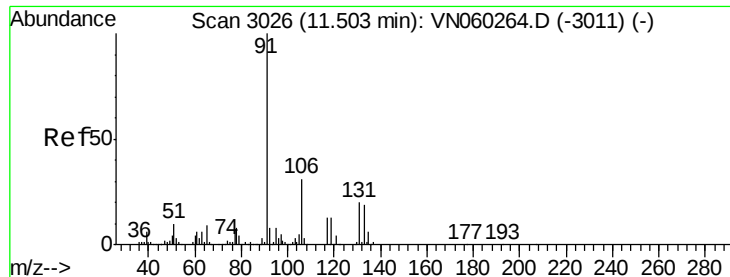
Tgt Ion:112 Resp: 289229
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 47.70 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

Tgt Ion:131 Resp: 112476
Ion Ratio Lower Upper
131 100
133 95.3 47.7 143.1
119 65.8 33.2 99.6





#67

Ethyl Benzene

Concen: 46.34 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

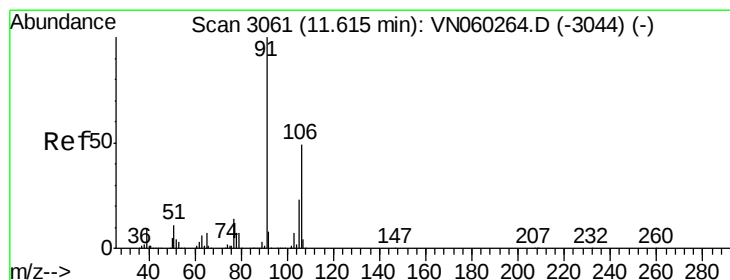
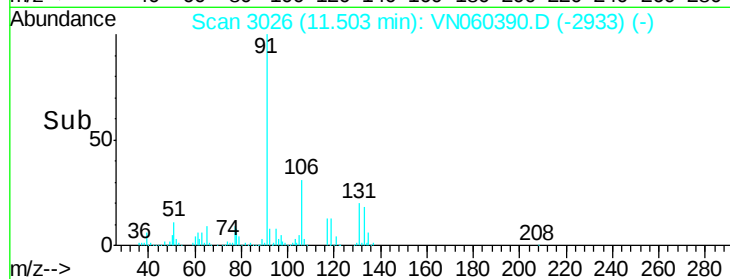
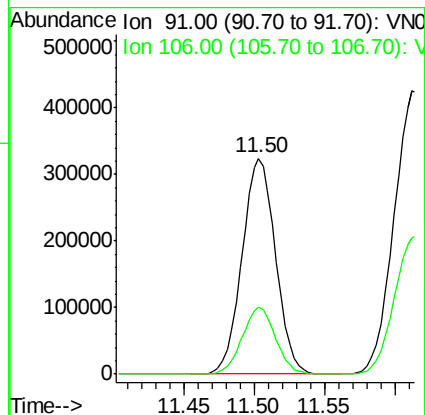
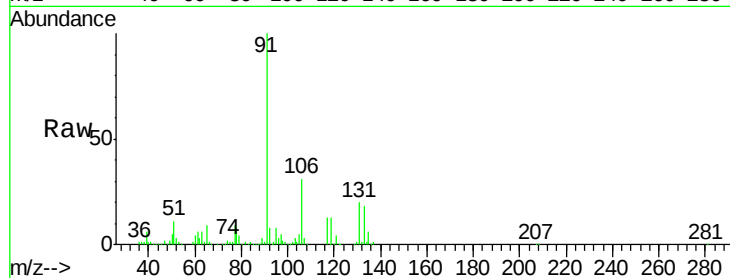
VSTDCCC050

Tgt Ion: 91 Resp: 538167

Ion Ratio Lower Upper

91 100

106 30.8 24.7 37.1



#68

m/p-Xylenes

Concen: 91.02 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060390.D

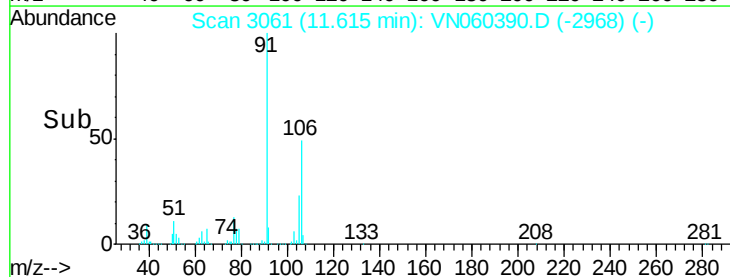
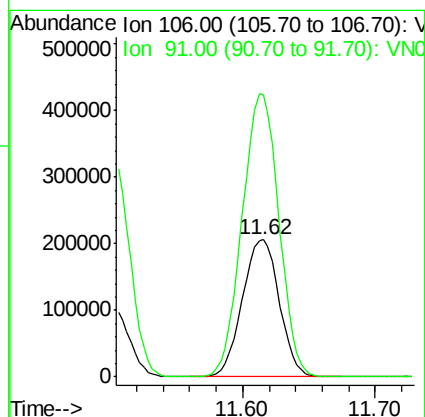
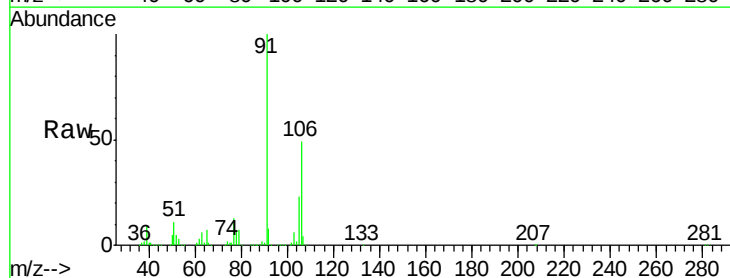
Acq: 9 Mar 2020 9:32

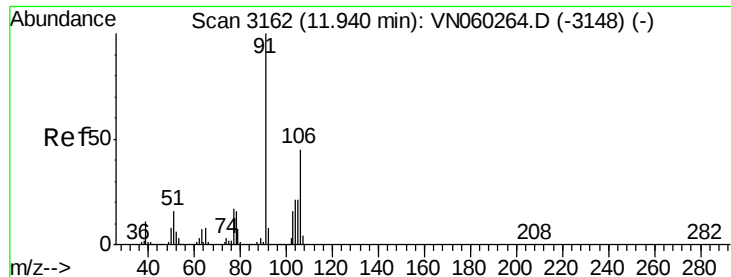
Tgt Ion: 106 Resp: 398815

Ion Ratio Lower Upper

106 100

91 205.5 164.5 246.7

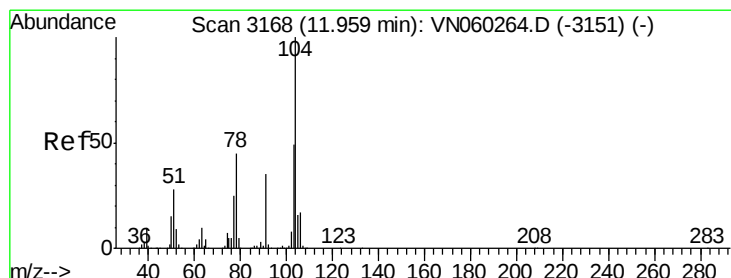
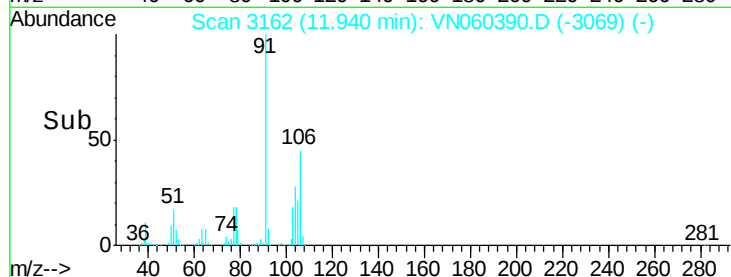
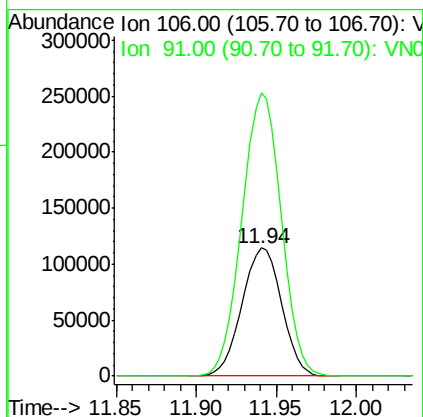
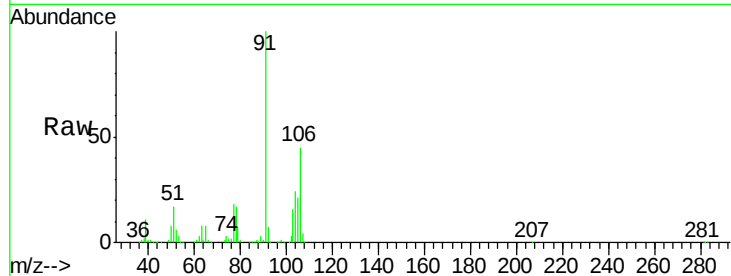




#69
o-Xylene
Concen: 46.43 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

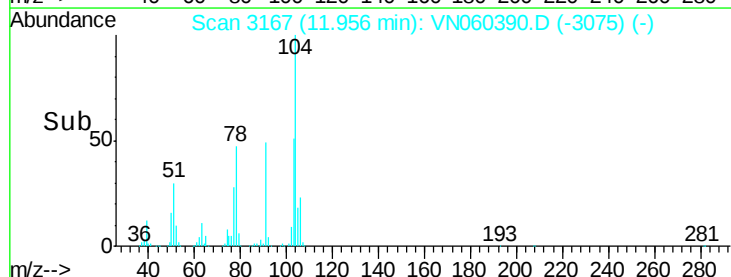
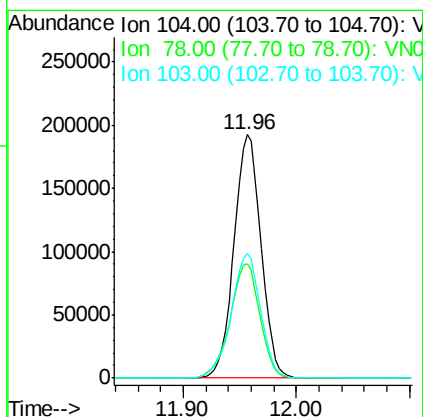
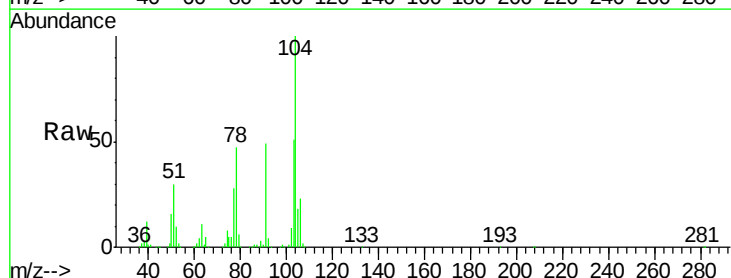
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

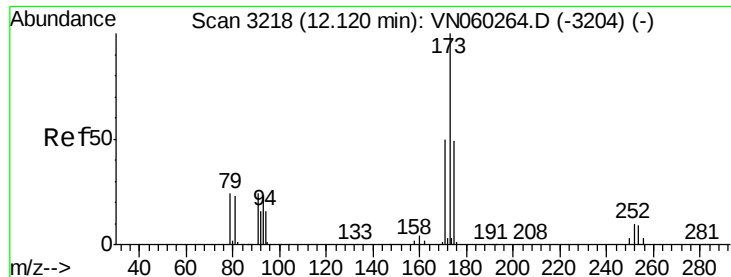
Tgt Ion:106 Resp: 193982
Ion Ratio Lower Upper
106 100
91 218.4 109.5 328.4



#70
Styrene
Concen: 46.70 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

Tgt Ion:104 Resp: 320782
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 55.1 43.9 65.9





#71

Bromoform

Concen: 49.76 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

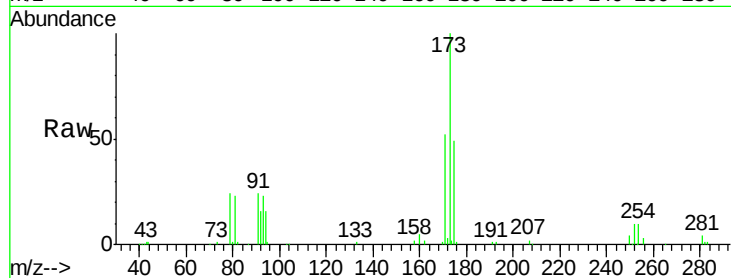
Tgt Ion:173 Resp: 84566

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.2

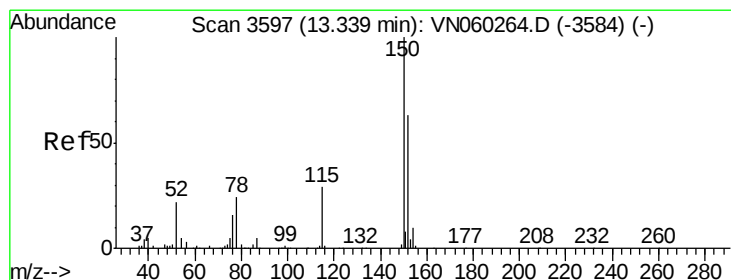
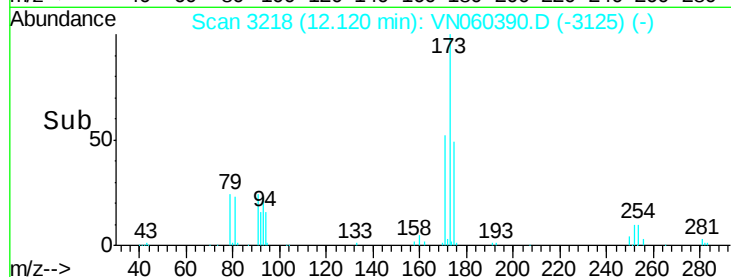
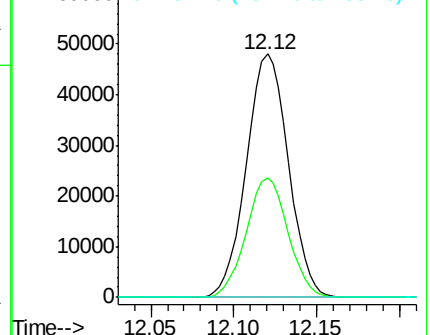
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

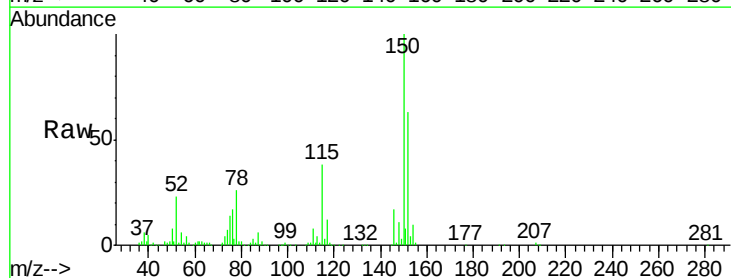
Tgt Ion:152 Resp: 153810

Ion Ratio Lower Upper

152 100

115 59.8 30.0 90.0

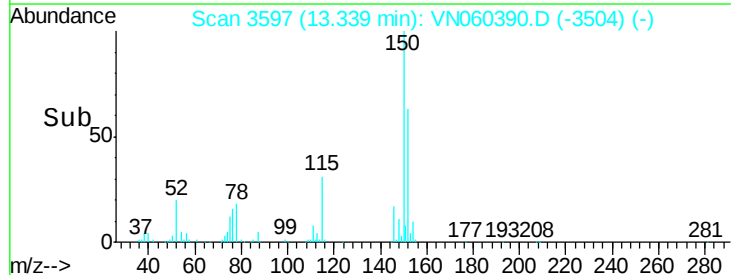
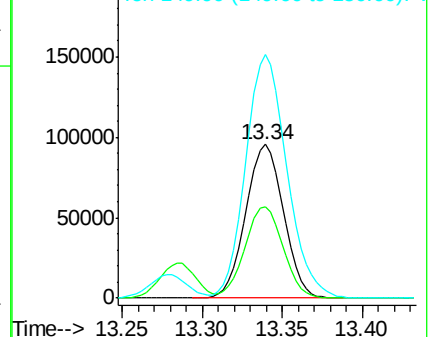
150 172.5 0.0 349.6

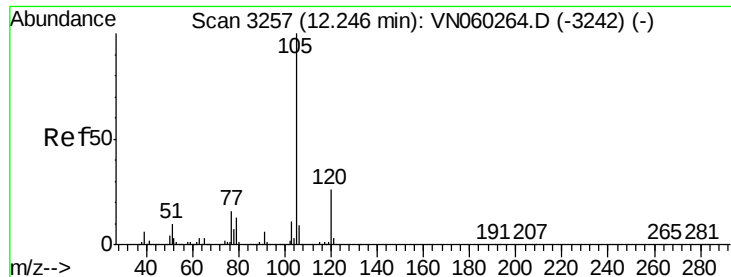


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.05 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

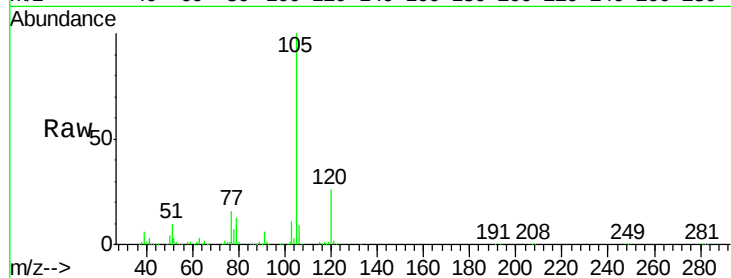
VSTDCCC050

Tgt Ion: 105 Resp: 525024

Ion Ratio Lower Upper

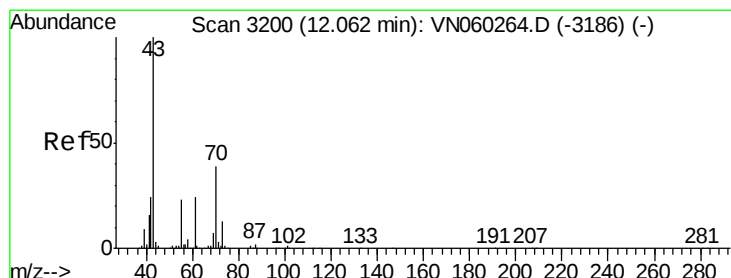
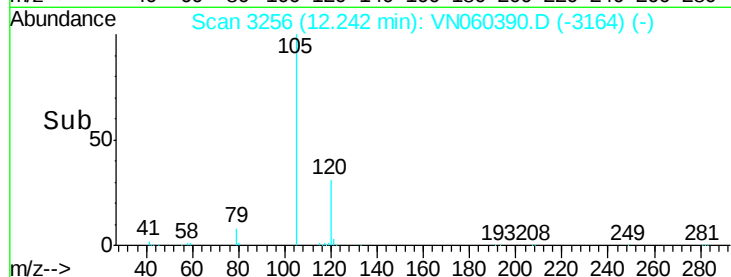
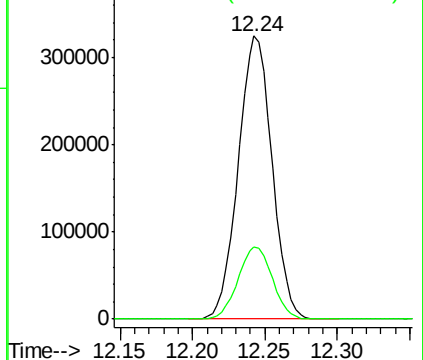
105 100

120 25.9 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.00 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Tgt Ion: 43 Resp: 234158

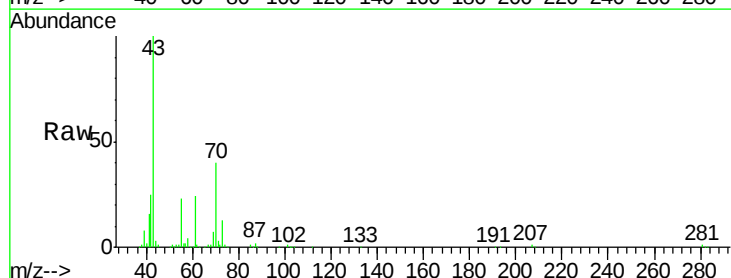
Ion Ratio Lower Upper

43 100

70 39.7 32.2 48.2

55 23.0 18.2 27.4

61 23.7 19.2 28.8

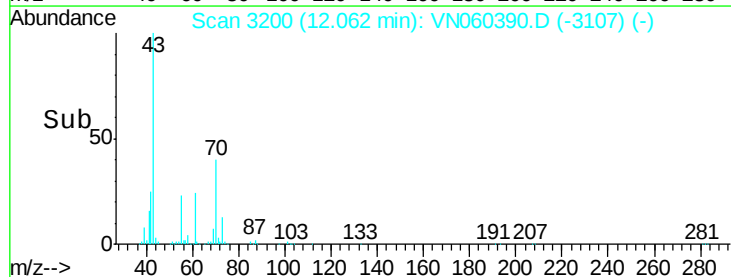
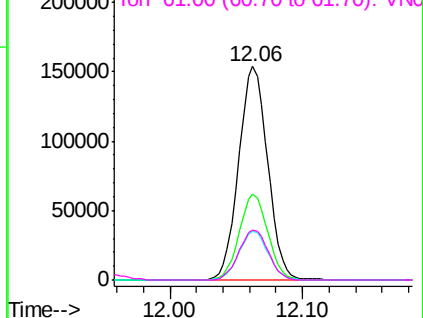


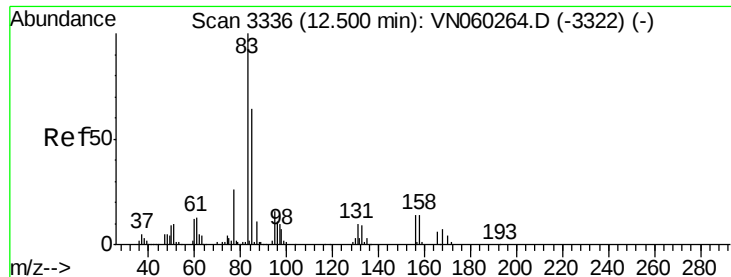
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.55 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

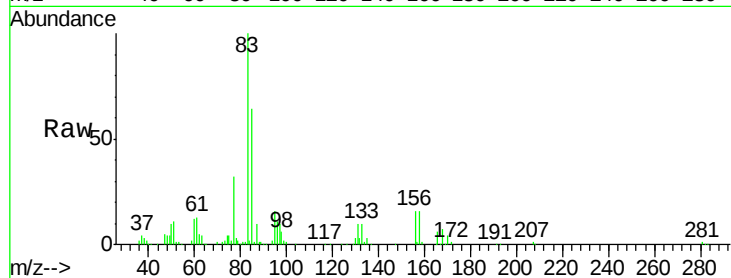
Tgt Ion: 83 Resp: 147357

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

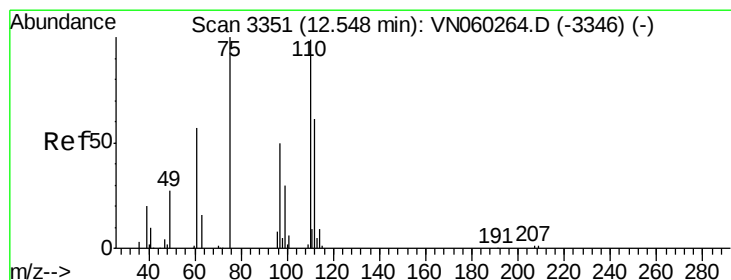
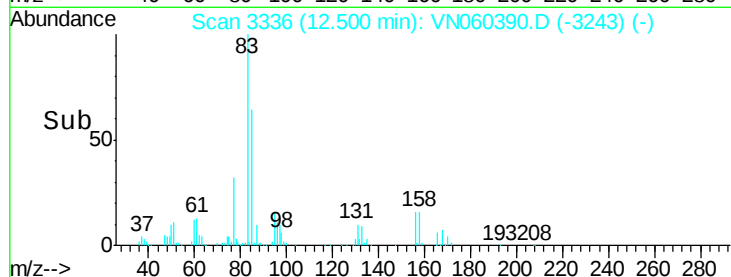
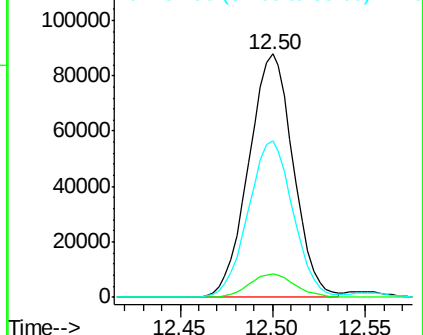
85 64.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060390.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060390.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060390.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 63.14 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060390.D

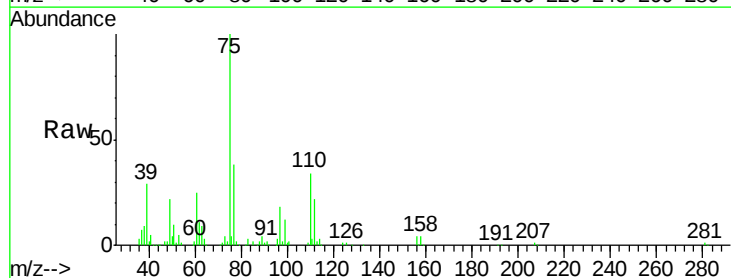
Acq: 9 Mar 2020 9:32

Tgt Ion: 75 Resp: 213068

Ion Ratio Lower Upper

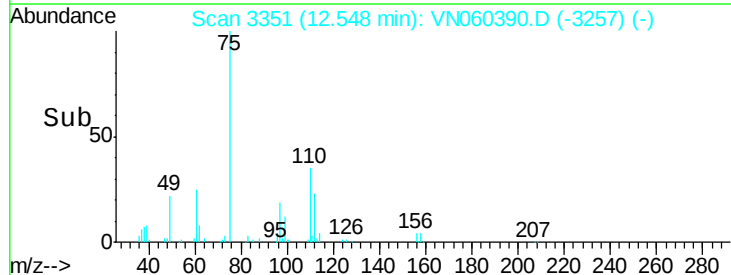
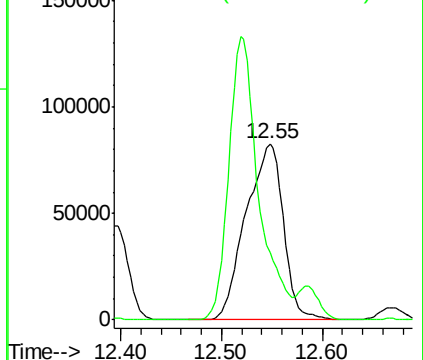
75 100

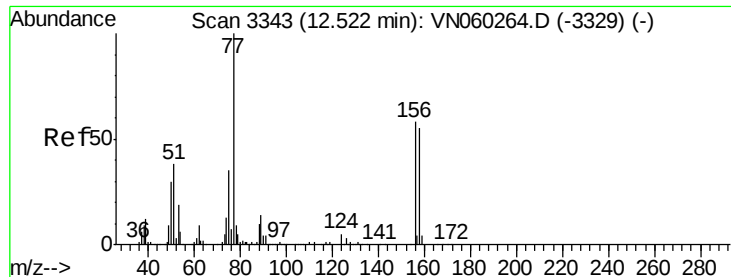
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060390.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060390.D (-3257) (-)





#77

Bromobenzene

Concen: 45.70 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

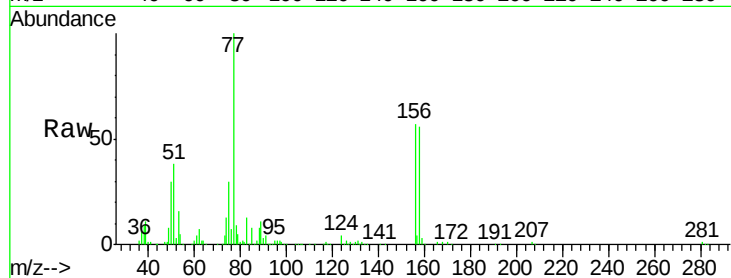
Tgt Ion:156 Resp: 127700

Ion Ratio Lower Upper

156 100

77 214.7 106.1 318.3

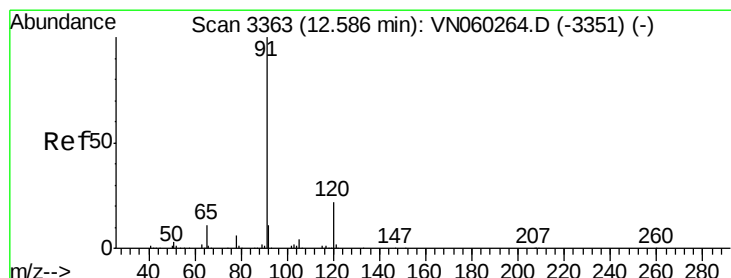
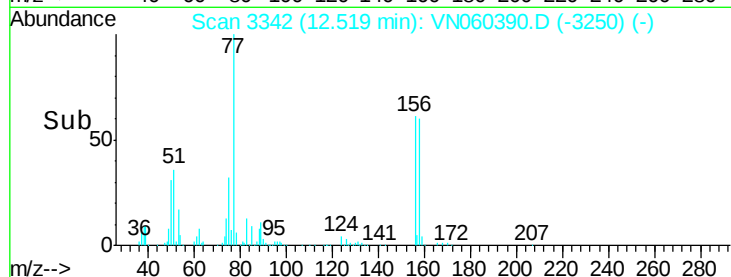
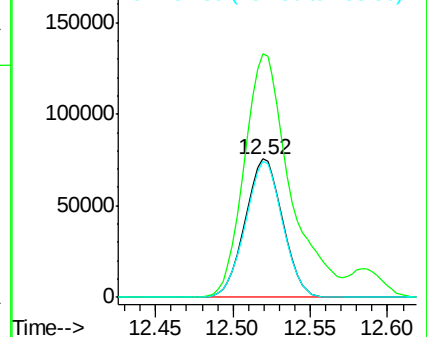
158 97.5 48.3 144.8



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: 46.22 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060390.D

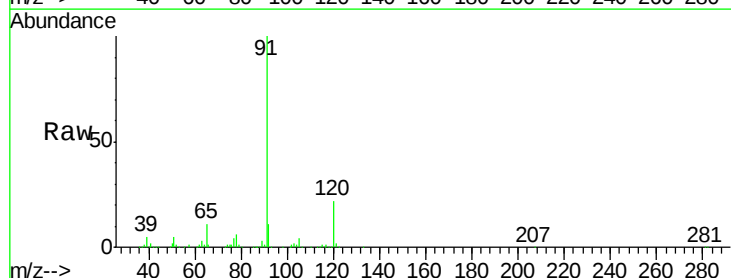
Acq: 9 Mar 2020 9:32

Tgt Ion: 91 Resp: 617595

Ion Ratio Lower Upper

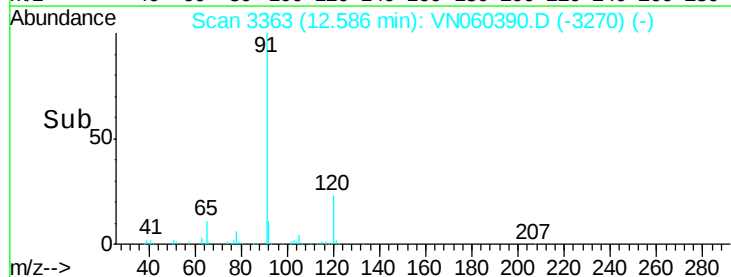
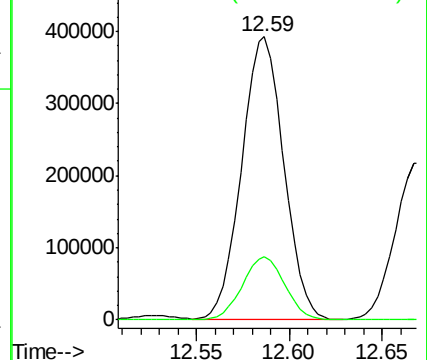
91 100

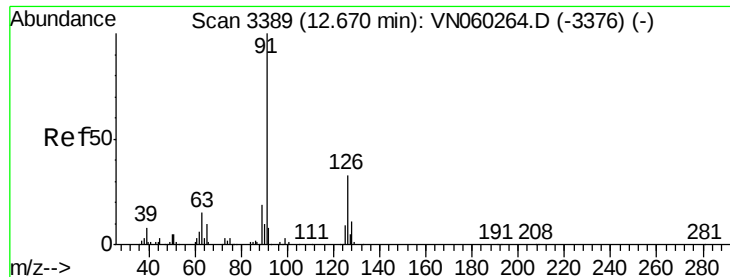
120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.07 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

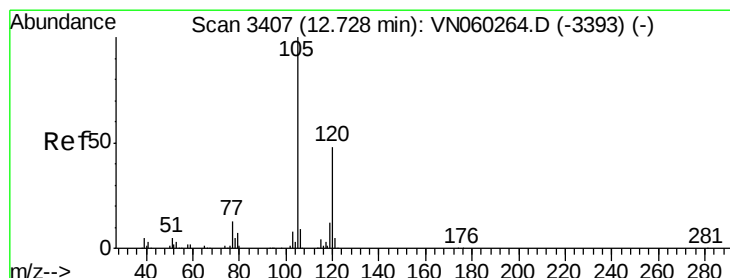
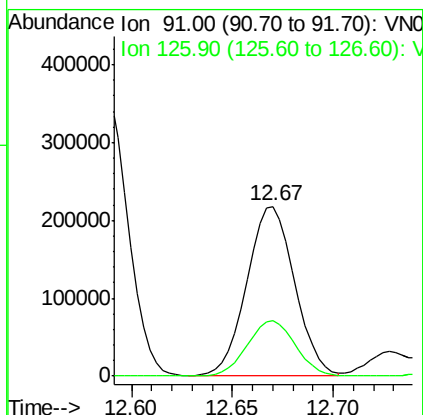
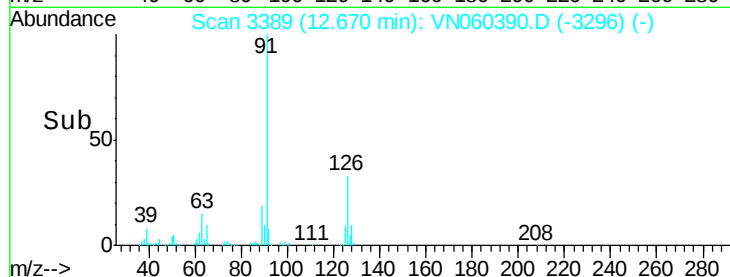
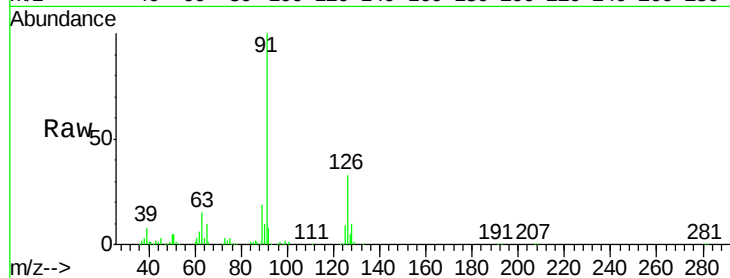
VSTDCCC050

Tgt Ion: 91 Resp: 361919

Ion Ratio Lower Upper

91 100

126 33.0 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 46.23 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060390.D

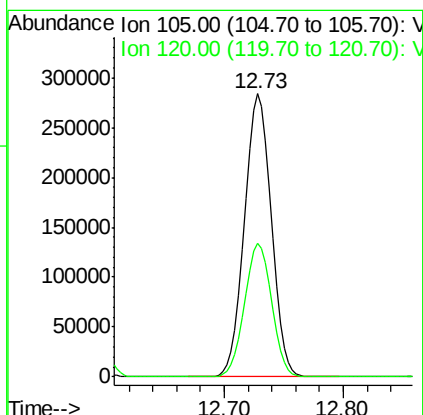
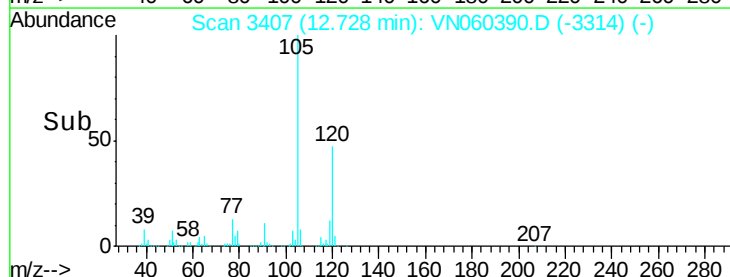
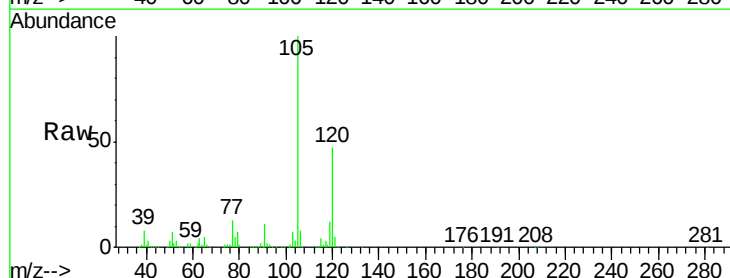
Acq: 9 Mar 2020 9:32

Tgt Ion: 105 Resp: 443717

Ion Ratio Lower Upper

105 100

120 47.5 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 49.37 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060390.D

Acq: 9 Mar 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

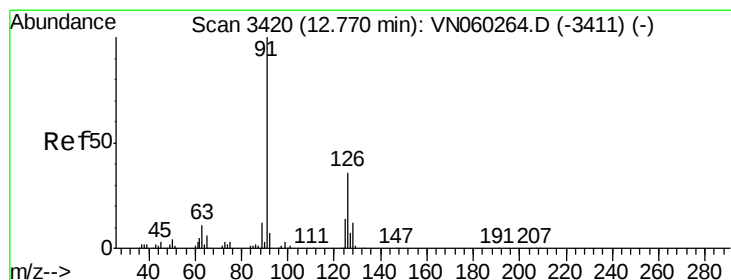
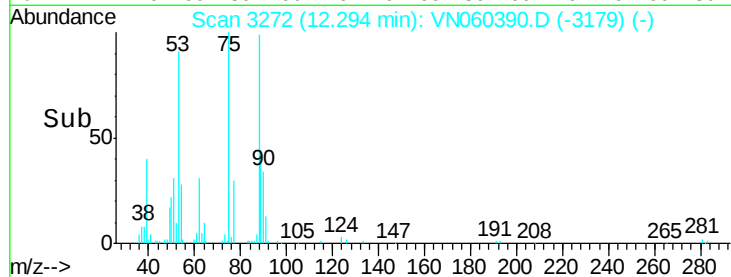
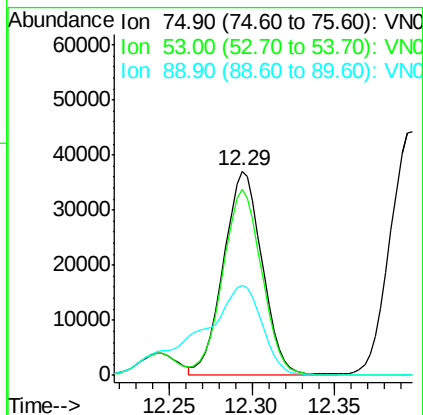
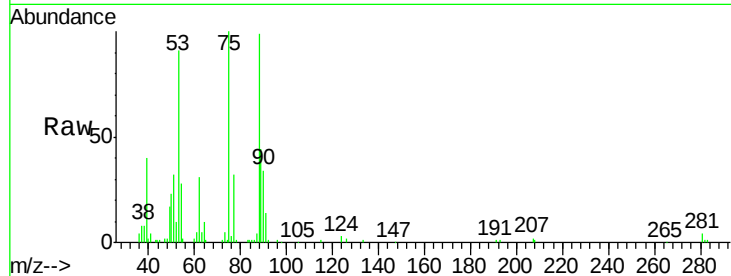
Tgt Ion: 75 Resp: 60356

Ion Ratio Lower Upper

75 100

53 91.8 73.8 110.6

89 72.6 57.1 85.7



#82

4-Chlorotoluene

Concen: 45.59 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060390.D

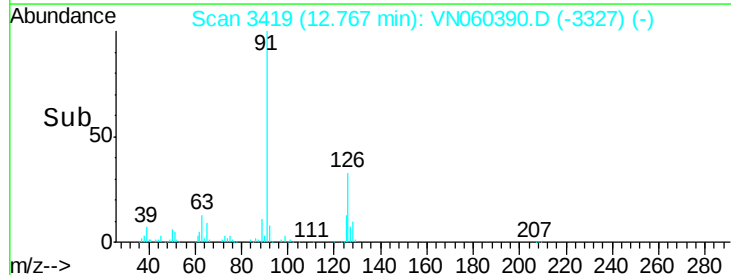
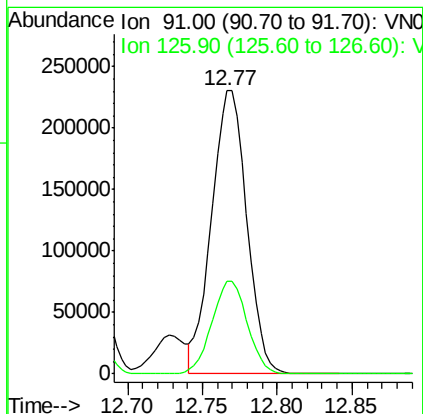
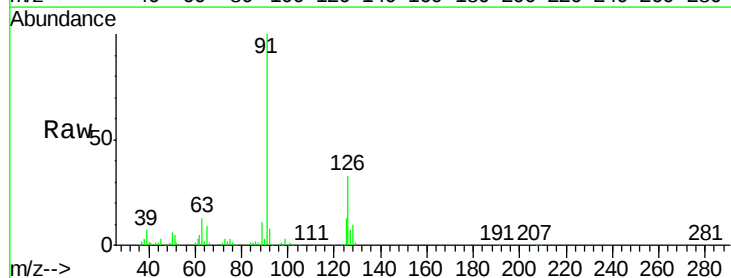
Acq: 9 Mar 2020 9:32

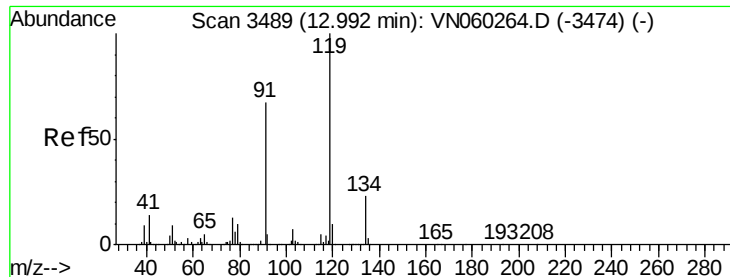
Tgt Ion: 91 Resp: 377270

Ion Ratio Lower Upper

91 100

126 32.9 16.7 50.1

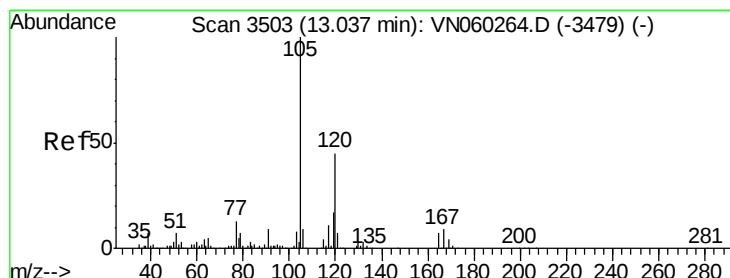
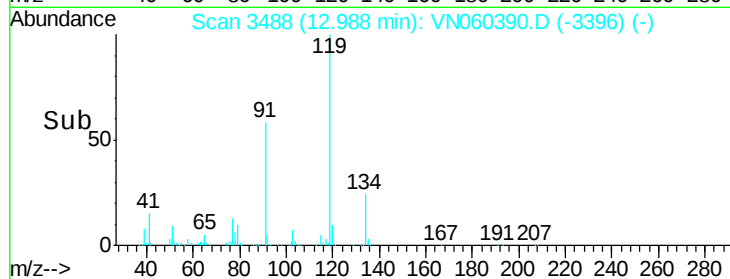
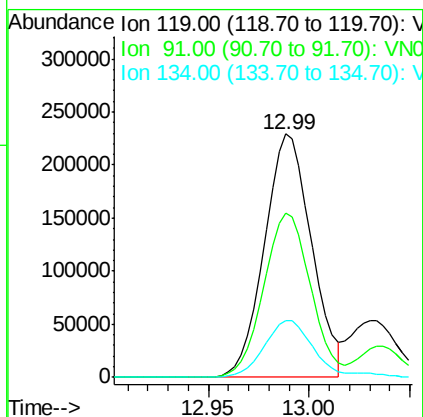
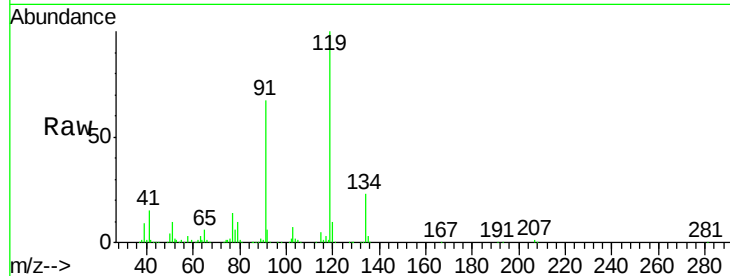




#83
 tert-Butylbenzene
 Concen: 44.72 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

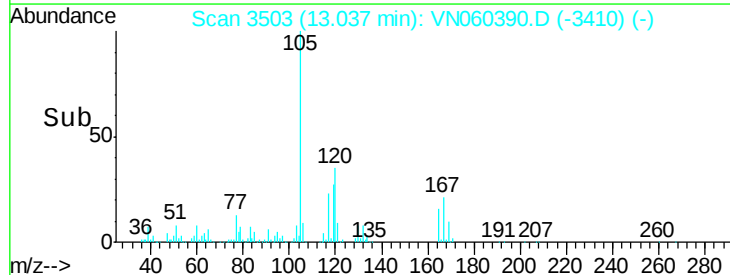
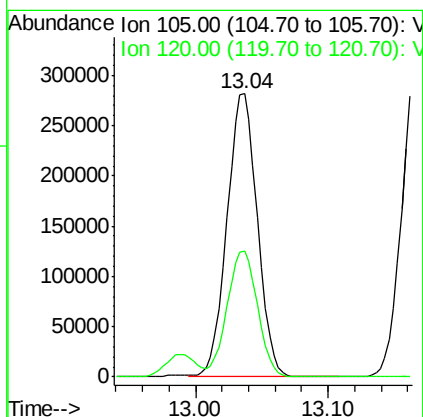
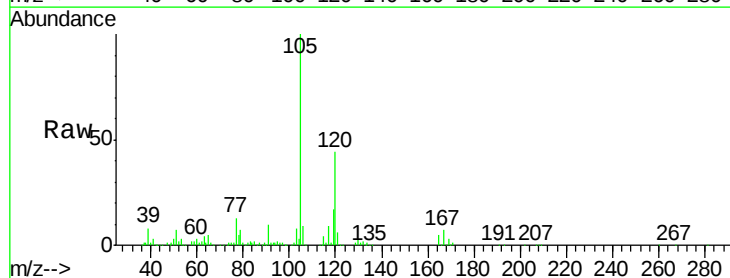
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 371654
 Ion Ratio Lower Upper
 119 100
 91 67.2 33.1 99.2
 134 25.0 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 46.17 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

Tgt Ion:105 Resp: 447340
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.3 66.9

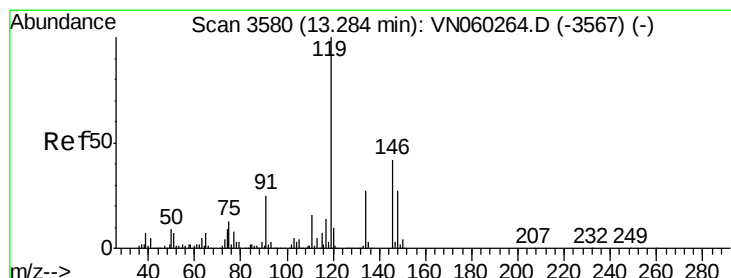
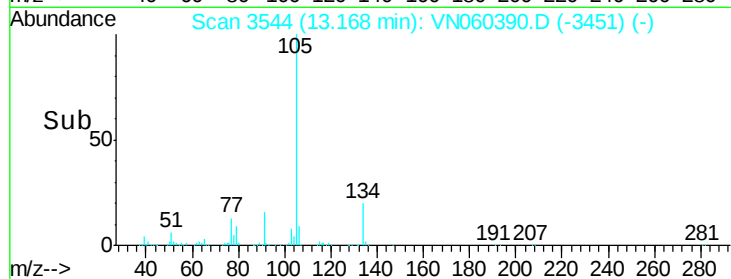
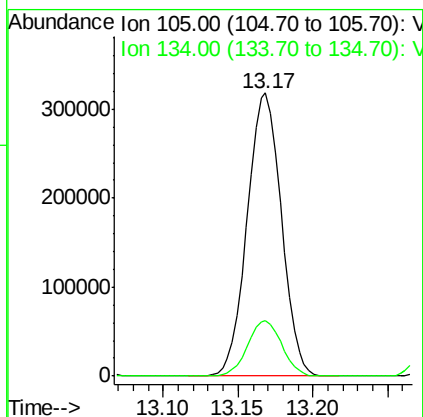
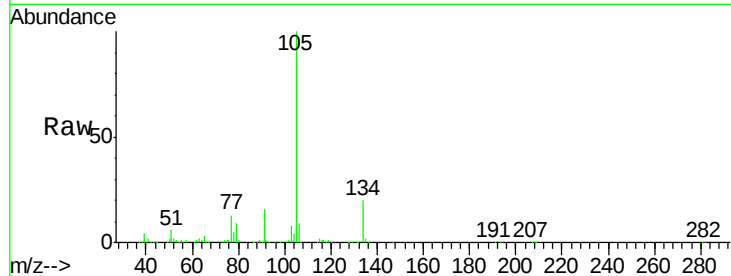




#85
 sec-Butylbenzene
 Concen: 45.51 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

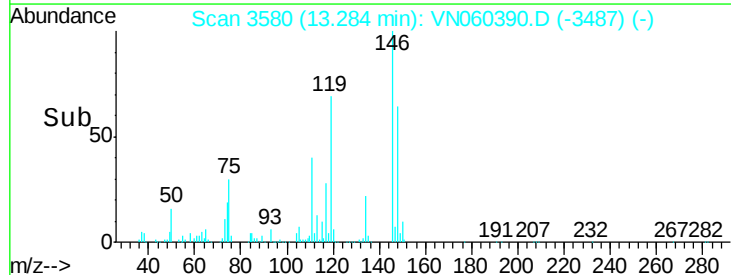
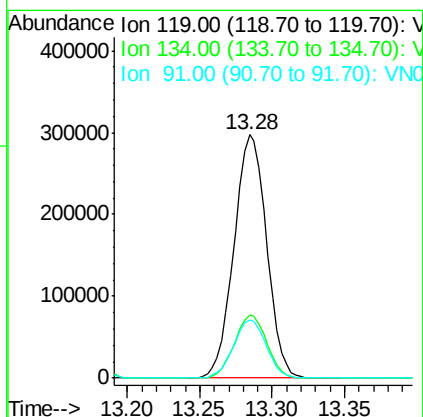
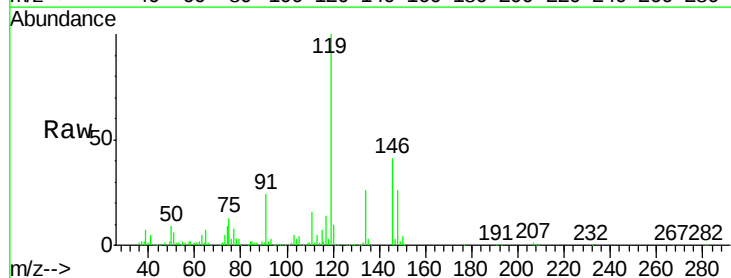
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 506455
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 44.82 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

Tgt Ion:119 Resp: 461607
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.2 39.6
 91 24.0 12.2 36.6

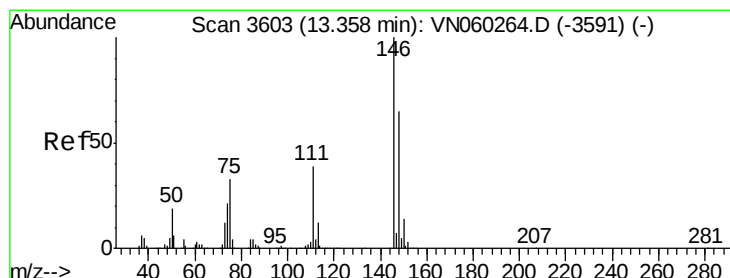
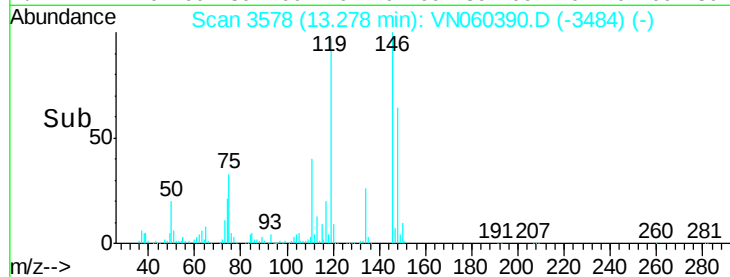
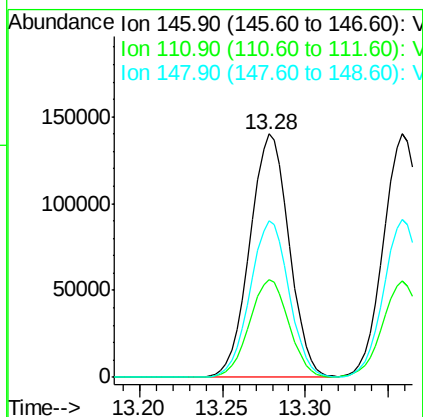
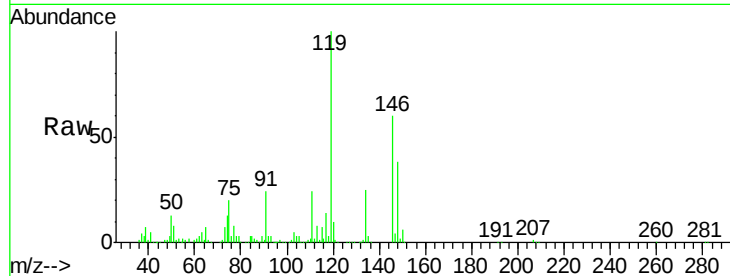




#87
 1,3-Dichlorobenzene
 Concen: 48.23 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

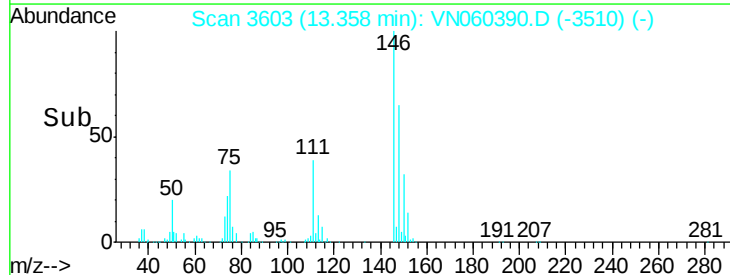
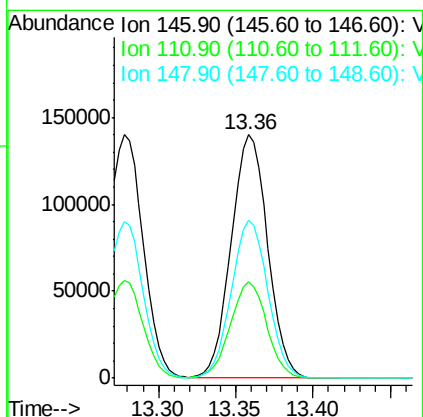
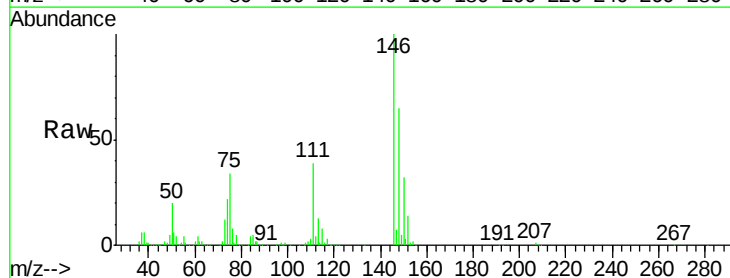
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

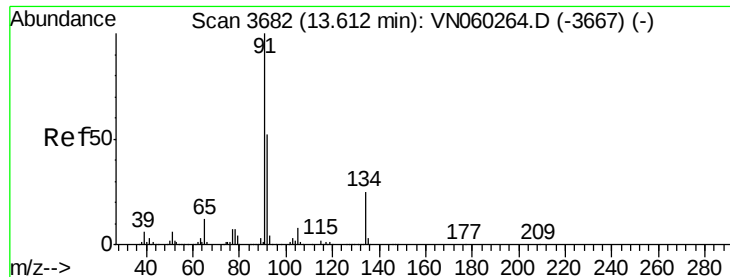
Tgt Ion:146 Resp: 231636
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.0 59.9
 148 63.7 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 48.07 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

Tgt Ion:146 Resp: 229570
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.8 59.4
 148 64.7 32.3 96.9

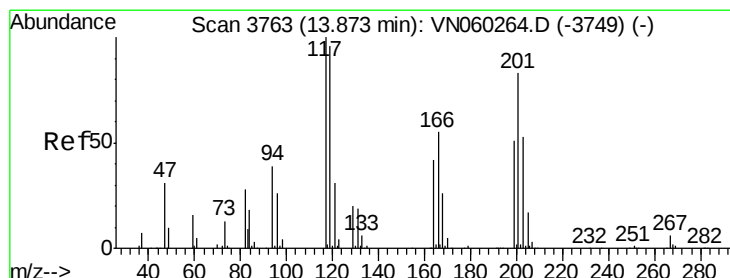
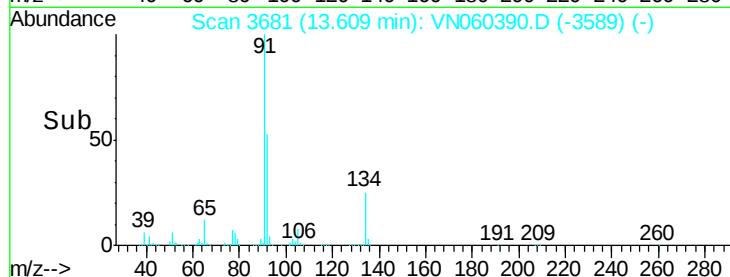
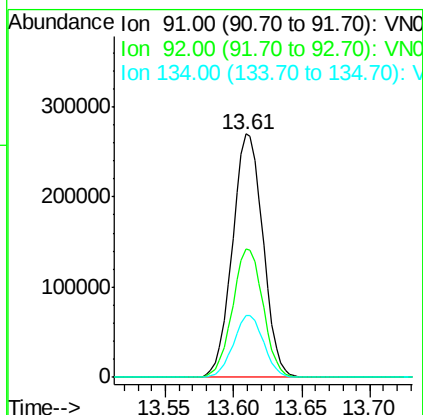
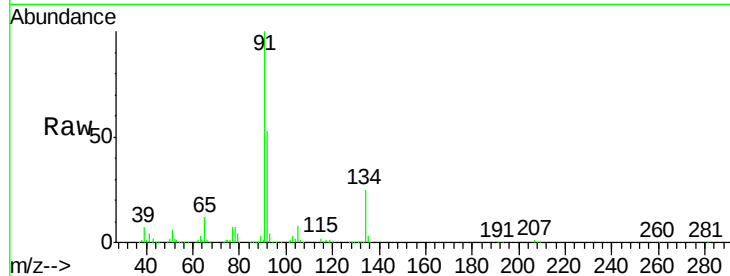




#89
n-Butylbenzene
Concen: 44.41 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

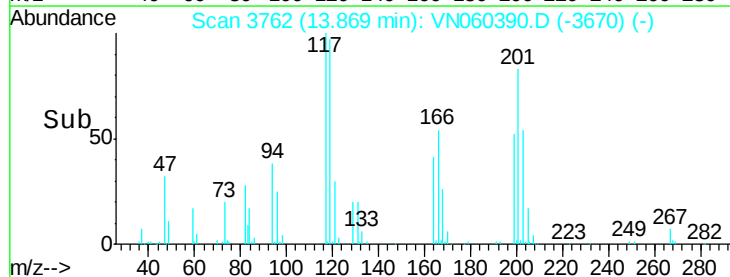
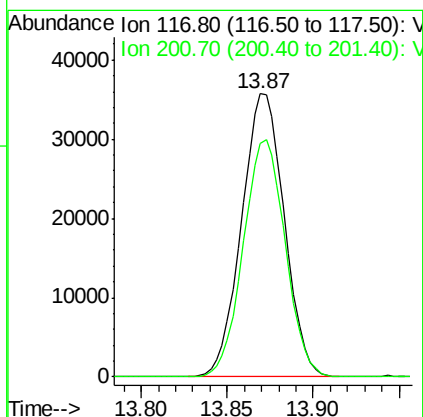
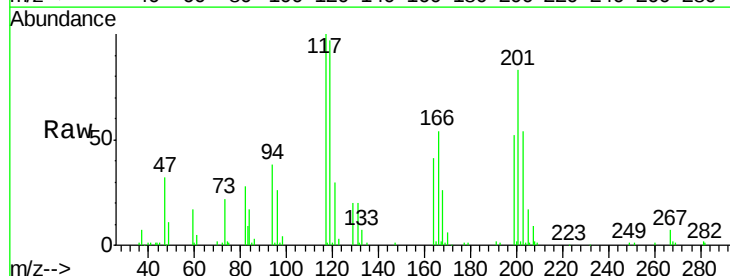
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 419935
Ion Ratio Lower Upper
91 100
92 52.7 26.0 78.0
134 25.2 12.7 38.1



#90
Hexachloroethane
Concen: 41.17 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

Tgt Ion: 117 Resp: 61386
Ion Ratio Lower Upper
117 100
201 82.5 41.0 123.0

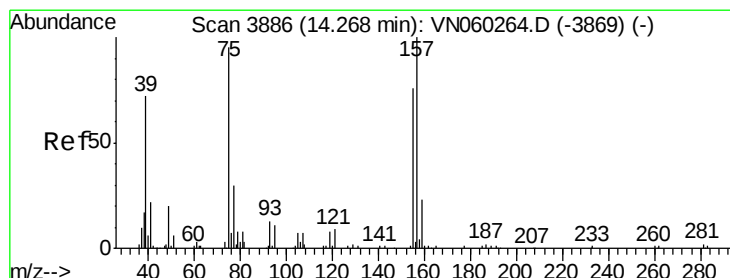
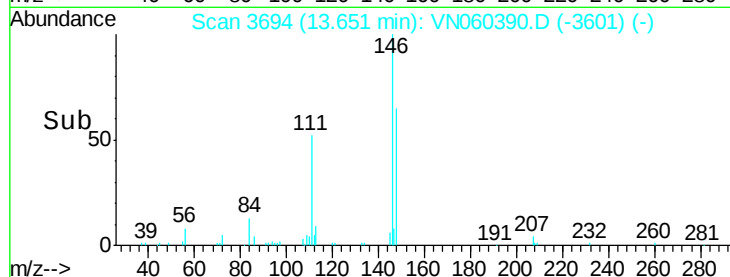
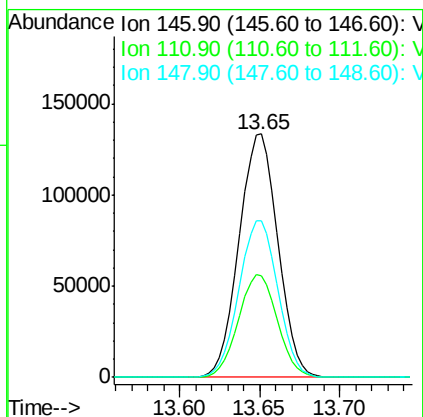
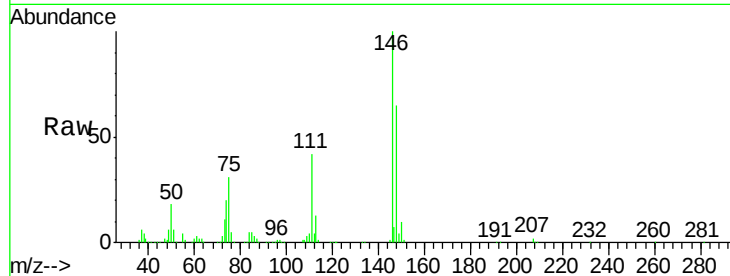




#91
 1,2-Dichlorobenzene
 Concen: 45.25 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

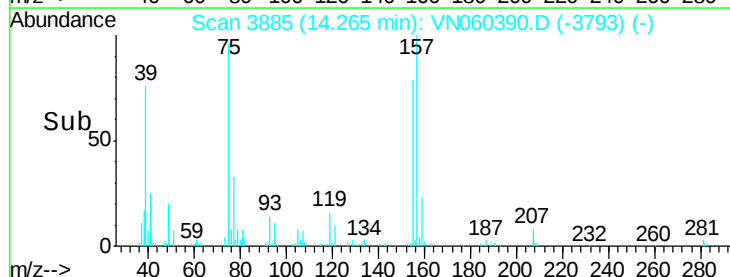
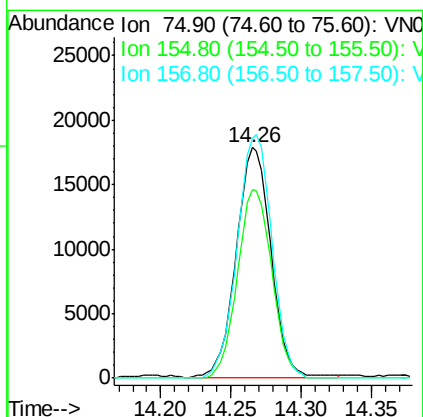
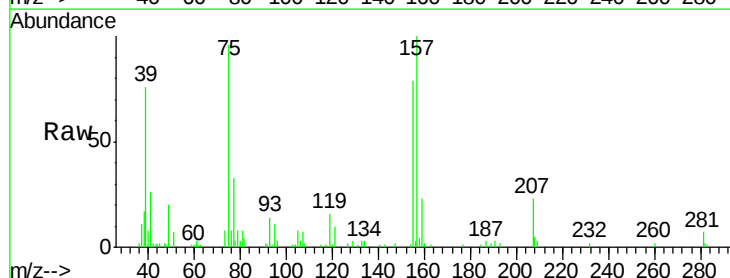
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 221572
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.3 61.0
 148 64.6 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.39 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

Tgt Ion: 75 Resp: 31150
 Ion Ratio Lower Upper
 75 100
 155 80.2 40.4 121.2
 157 104.3 52.5 157.5

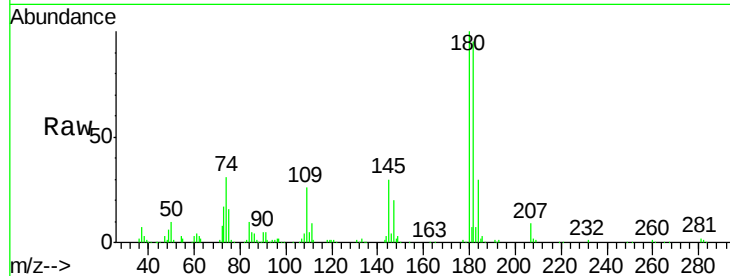




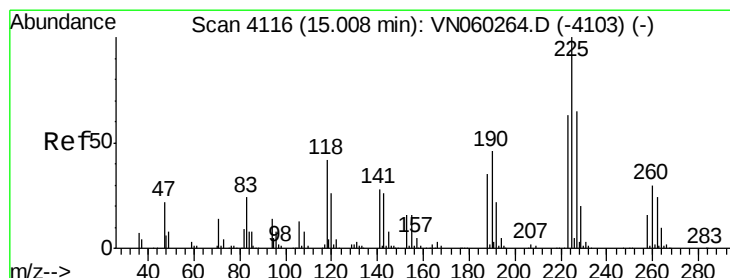
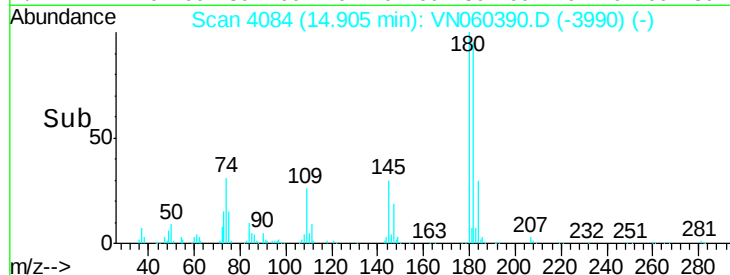
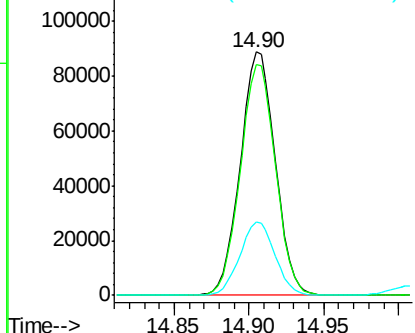
#93
 1,2,4-Trichlorobenzene
 Concen: 46.35 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 144206
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.8 143.3
 145 30.4 15.4 46.1

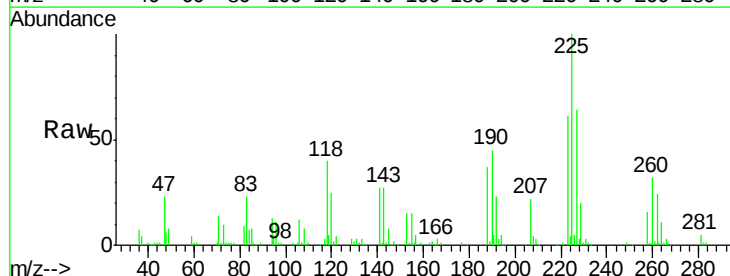


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

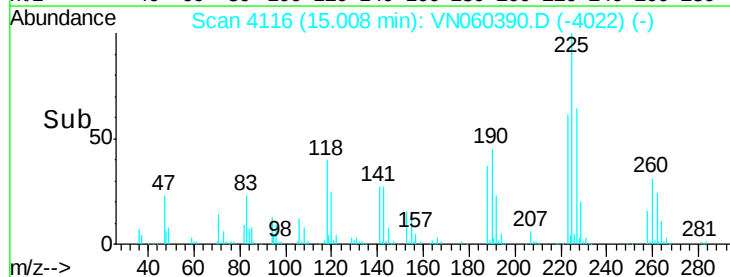
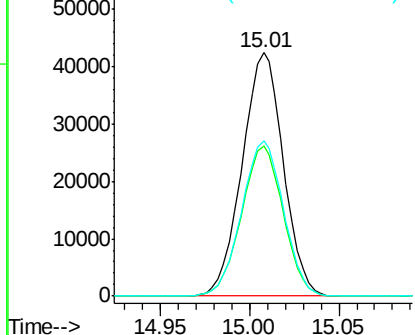


#94
 Hexachlorobutadiene
 Concen: 47.94 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060390.D
 Acq: 9 Mar 2020 9:32

Tgt Ion:225 Resp: 68595
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.3 93.9
 227 65.0 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

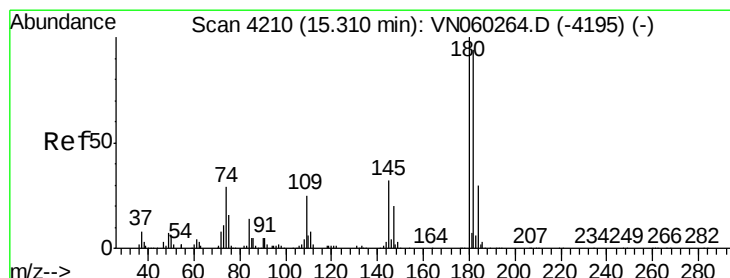
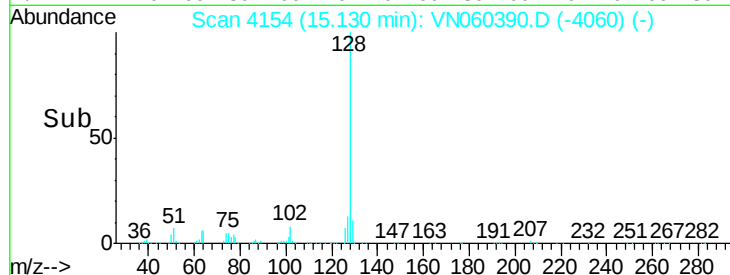
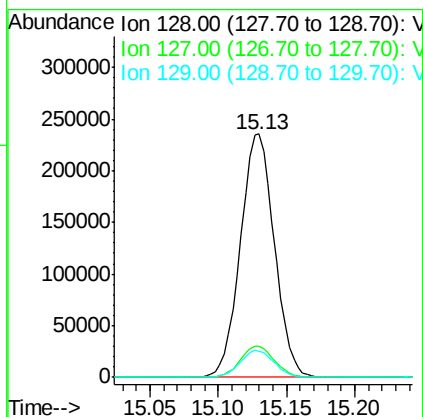
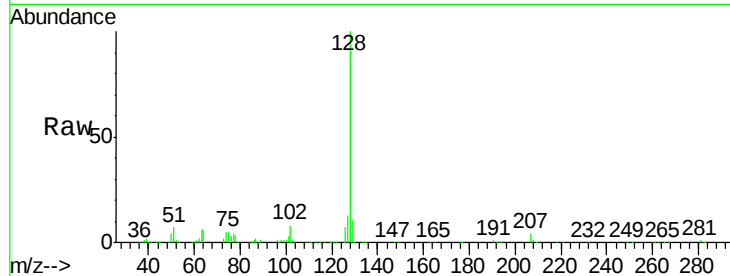




#95
Naphthalene
Concen: 44.37 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 406924
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 45.48 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060390.D
Acq: 9 Mar 2020 9:32

Tgt Ion:180 Resp: 133329
Ion Ratio Lower Upper
180 100
182 95.2 47.3 142.0
145 32.9 16.2 48.5

