

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
 Data File : VN059106.D
 Acq On : 6 Nov 2019 15:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 07 04:06:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	517682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	808833	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	736728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	350013	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	305307	47.98	ug/l	0.00
Spiked Amount						
			Recovery	=	95.96%	
35) Dibromofluoromethane	7.57	113	240070	49.71	ug/l	0.00
Spiked Amount						
			Recovery	=	99.42%	
50) Toluene-d8	10.08	98	950286	49.95	ug/l	0.00
Spiked Amount						
			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	344039	50.16	ug/l	0.00
Spiked Amount						
			Recovery	=	100.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	242516	46.496	ug/l	99
3) Chloromethane	2.04	50	317714	44.811	ug/l	99
4) Vinyl Chloride	2.17	62	320802	46.669	ug/l	99
5) Bromomethane	2.54	94	184826	46.724	ug/l	98
6) Chloroethane	2.68	64	191668	47.136	ug/l	100
7) Trichlorofluoromethane	3.00	101	392540	47.742	ug/l	99
8) Diethyl Ether	3.39	74	162483	48.636	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	237211	47.850	ug/l	99
10) Methyl Iodide	3.93	142	307871	50.172	ug/l	100
11) Tert butyl alcohol	4.75	59	264411	218.022	ug/l	99
12) 1,1-Dichloroethene	3.71	96	227930	47.198	ug/l	95
13) Acrolein	3.58	56	147836	236.432	ug/l	100
14) Allyl chloride	4.29	41	419445	42.284	ug/l	91
15) Acrylonitrile	4.95	53	729552	241.720	ug/l	100
16) Acetone	3.79	43	808593	244.346	ug/l	99
17) Carbon Disulfide	4.03	76	682944	45.557	ug/l	100
18) Methyl Acetate	4.29	43	365539	46.537	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	815182	49.030	ug/l	100
20) Methylene Chloride	4.52	84	271498	47.093	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	251172	48.455	ug/l	100
22) Diisopropyl ether	5.92	45	921891	49.202	ug/l	99
23) Vinyl Acetate	5.86	43	3838222	264.314	ug/l	100
24) 1,1-Dichloroethane	5.82	63	502198	47.988	ug/l	99
25) 2-Butanone	6.81	43	1064920	244.172	ug/l	99
26) 2,2-Dichloropropane	6.80	77	433610	47.385	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	290739	48.345	ug/l	99
28) Bromochloromethane	7.17	49	149039	47.337	ug/l	99
29) Tetrahydrofuran	7.18	42	650796	234.842	ug/l	99
30) Chloroform	7.35	83	482275	48.041	ug/l	100
31) Cyclohexane	7.63	56	463593	46.794	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	413060	48.940	ug/l	99
36) 1,1-Dichloropropene	7.77	75	371497	49.138	ug/l	99
37) Ethyl Acetate	6.90	43	402159	47.816	ug/l	99
38) Carbon Tetrachloride	7.75	117	361163	47.996	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	445101	50.728	ug/l	99
40) Benzene	8.02	78	1118170	49.115	ug/l	99
41) Methacrylonitrile	7.18	41	576330	157.585	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	378666	48.495	ug/l	100
43) Isopropyl Acetate	8.14	43	653797	48.760	ug/l	100
44) Trichloroethene	8.82	130	273317	48.838	ug/l	98
45) 1,2-Dichloropropane	9.10	63	304296	49.209	ug/l	98
46) Dibromomethane	9.19	93	186101	48.295	ug/l	99
47) Bromodichloromethane	9.39	83	386333	50.208	ug/l	98
48) Methyl methacrylate	9.18	41	294019	49.023	ug/l	99
49) 1,4-Dioxane	9.18	88	102871	965.146	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1992947	262.684	ug/l	100
52) Toluene	10.14	92	680972	49.904	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	441634	49.679	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	483957	50.609	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	267288	48.400	ug/l	99
56) Ethyl methacrylate	10.42	69	429111	46.715	ug/l	99
57) 1,3-Dichloropropane	10.70	76	469337	49.379	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	667134	217.067	ug/l	100
59) 2-Hexanone	10.74	43	1521470	261.274	ug/l	100
60) Dibromochloromethane	10.90	129	290989	49.837	ug/l	100
61) 1,2-Dibromoethane	11.00	107	276511	49.461	ug/l	100
64) Tetrachloroethene	10.63	164	237951	47.499	ug/l	99
65) Chlorobenzene	11.43	112	711916	49.570	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	268488	49.836	ug/l	100
67) Ethyl Benzene	11.51	91	1315496	51.627	ug/l	100
68) m/p-Xylenes	11.62	106	975495	102.201	ug/l	100
69) o-Xylene	11.95	106	467506	50.683	ug/l	99
70) Styrene	11.96	104	776579	53.531	ug/l	99
71) Bromoform	12.13	173	211280	50.418	ug/l #	99
73) Isopropylbenzene	12.25	105	1263530	49.628	ug/l	100
74) N-amyl acetate	12.07	43	541823	50.223	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	407625	47.014	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	547493	68.706	ug/l #	100
77) Bromobenzene	12.53	156	300848	47.032	ug/l	100
78) n-propylbenzene	12.59	91	1498265	51.395	ug/l	100
79) 2-Chlorotoluene	12.68	91	878459	48.576	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1081838	50.146	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	149745	49.634	ug/l	98
82) 4-Chlorotoluene	12.77	91	903488	49.811	ug/l	99
83) tert-Butylbenzene	12.99	119	909987	48.844	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1061606	50.862	ug/l	99
85) sec-Butylbenzene	13.17	105	1235018	50.971	ug/l	100
86) p-Isopropyltoluene	13.29	119	1117435	52.231	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	540851	49.376	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	529646	48.328	ug/l	99
89) n-Butylbenzene	13.62	91	984146	52.558	ug/l	100
90) Hexachloroethane	13.88	117	202827	47.213	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	530347	49.219	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79811	46.141	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	295649	45.515	ug/l	100
94) Hexachlorobutadiene	15.01	225	175985	47.367	ug/l	100
95) Naphthalene	15.13	128	785007	43.690	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	293660	48.630	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

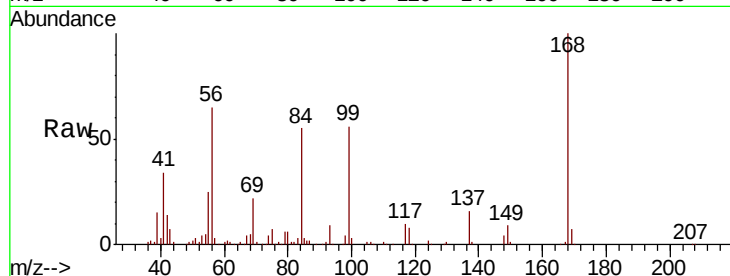
VSTDCCC050EC

Tot Ion:168 Resp: 517682

Ion Ratio Lower Upper

168 100

99 56.0 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

250000

200000

150000

100000

50000

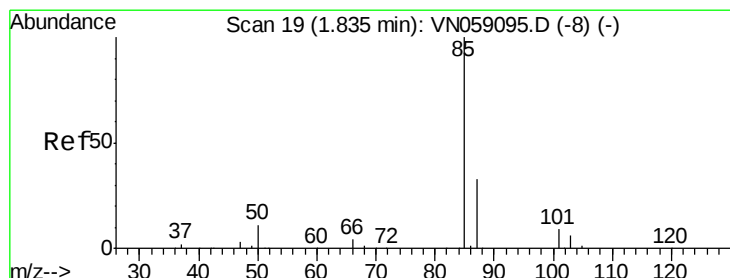
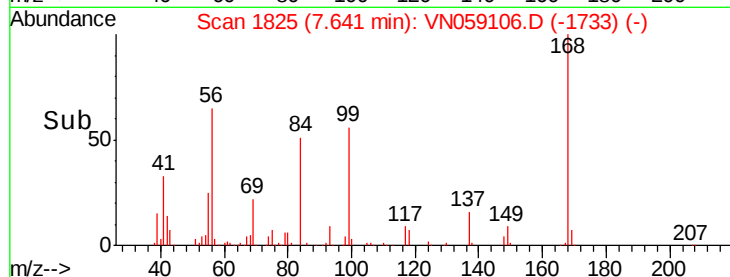
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Time-->

7.50

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 46.496 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059106.D

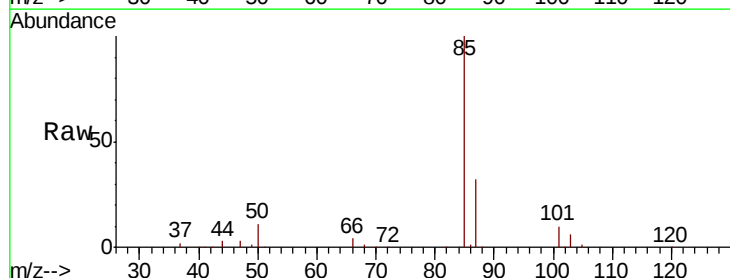
Acq: 6 Nov 2019 15:01

Tgt Ion: 85 Resp: 242516

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

100000

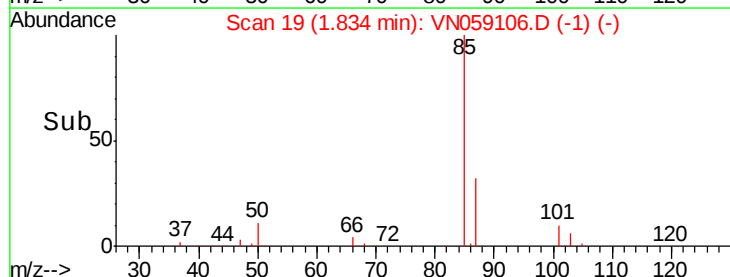
50000

0

Time-->

1.80

1.90





#3

Chloromethane

Concen: 44.811 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

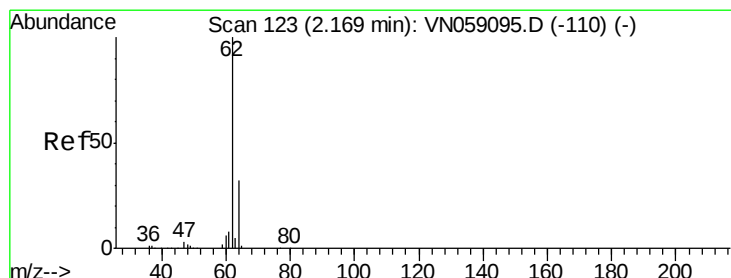
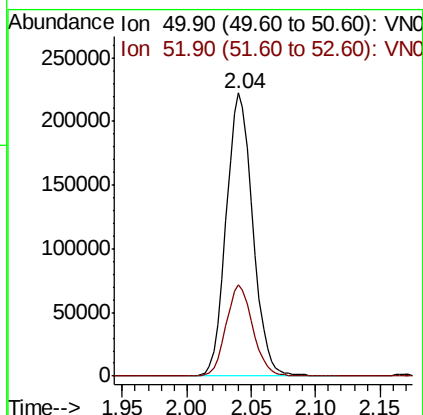
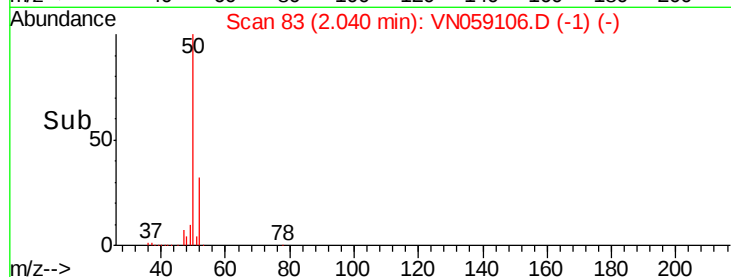
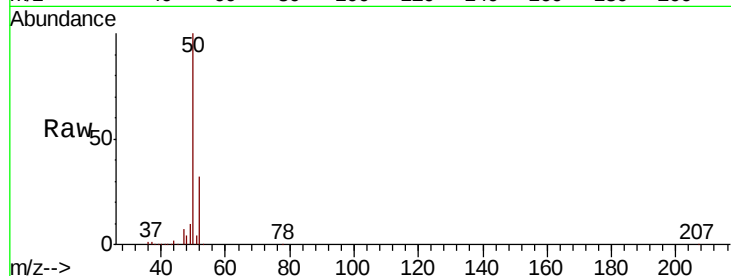
VSTDCCC050EC

Tot Ion: 50 Resp: 317714

Ion Ratio Lower Upper

50 100

52 32.2 26.0 39.0



#4

Vinyl Chloride

Concen: 46.669 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059106.D

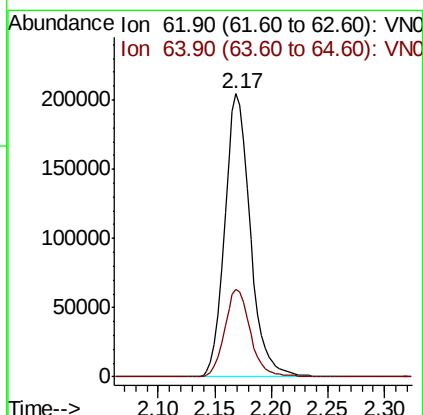
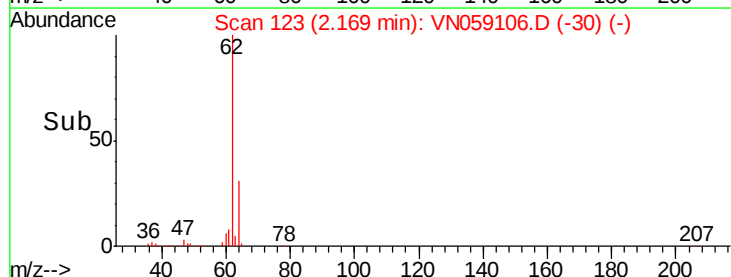
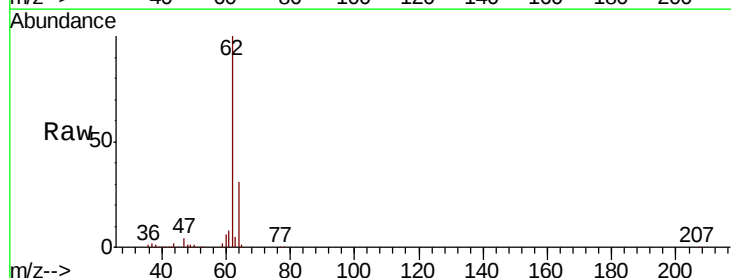
Acq: 6 Nov 2019 15:01

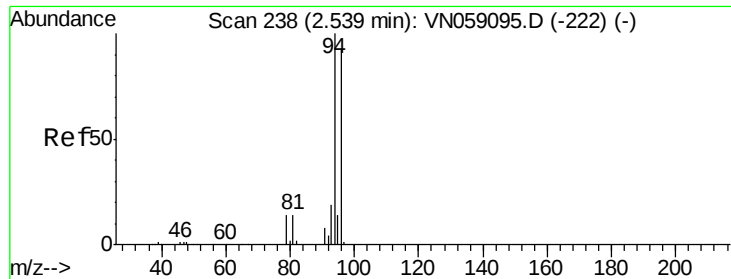
Tgt Ion: 62 Resp: 320802

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2

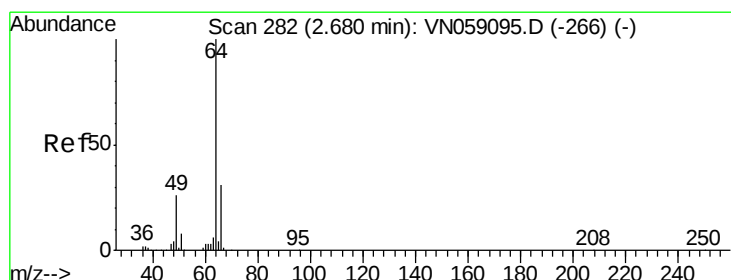
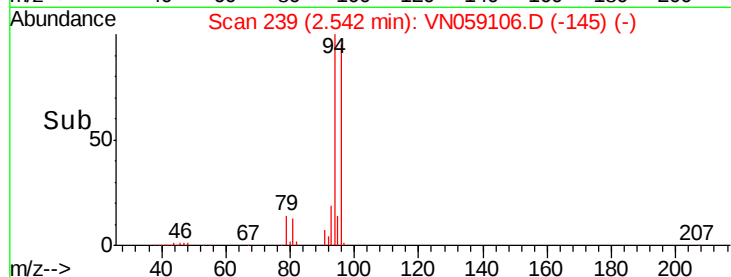
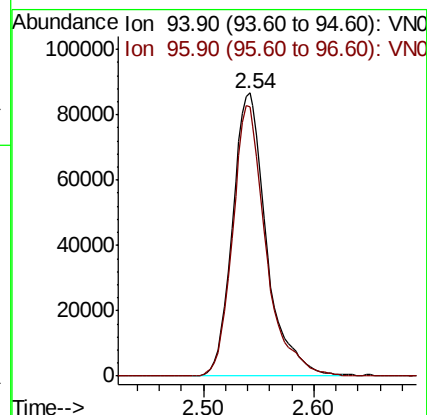
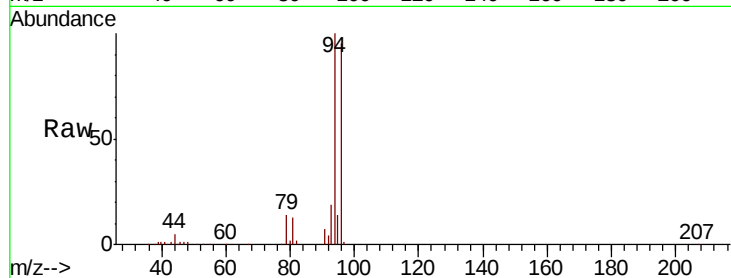




#5
Bromomethane
Concen: 46.724 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

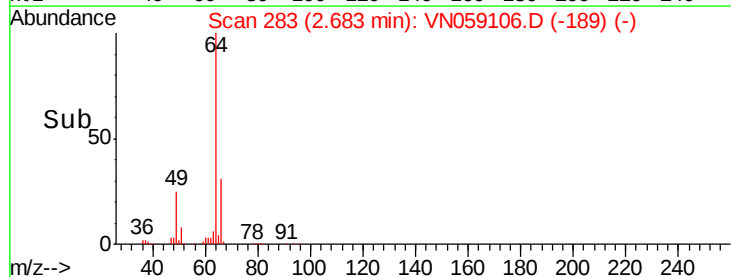
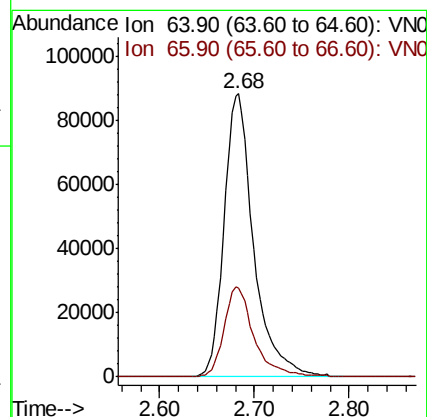
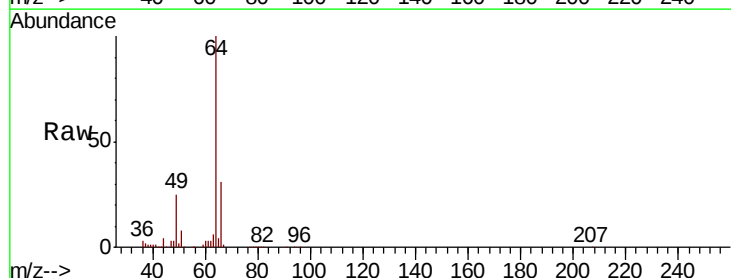
Instrument :
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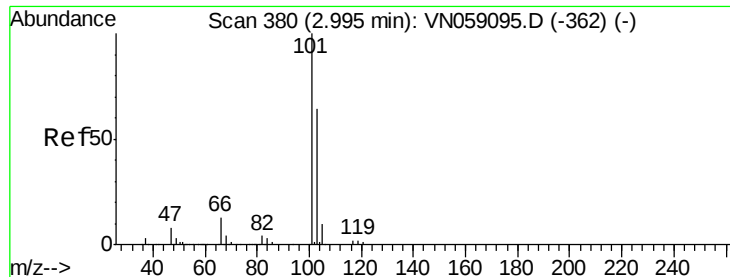
Tot Ion: 94 Resp: 184826
Ion Ratio Lower Upper
94 100
96 95.0 74.2 111.2



#6
Chloroethane
Concen: 47.136 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion: 64 Resp: 191668
Ion Ratio Lower Upper
64 100
66 31.4 25.2 37.8



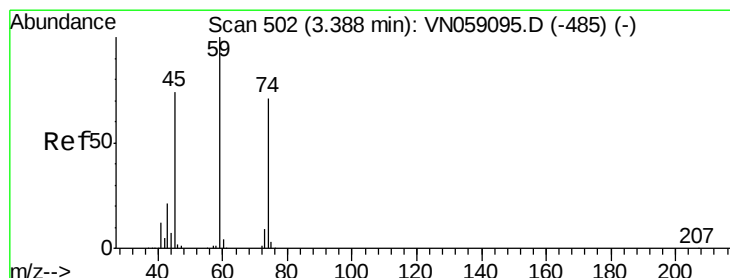
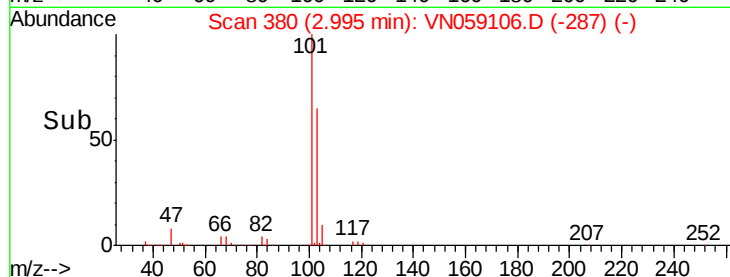
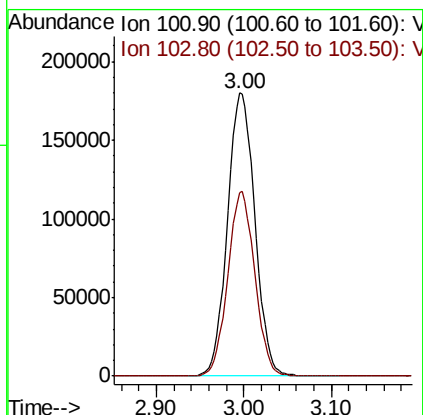
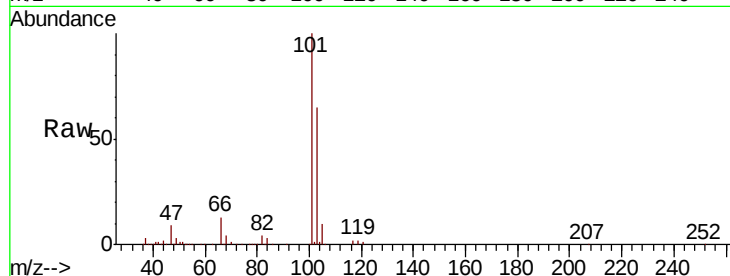


#7

Trichlorofluoromethane
 Concen: 47.742 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059106.D
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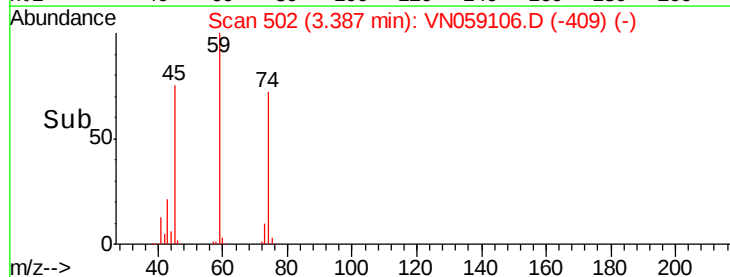
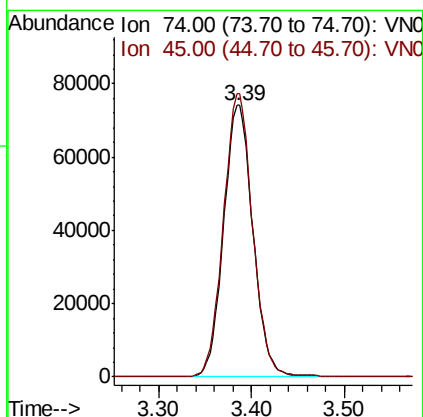
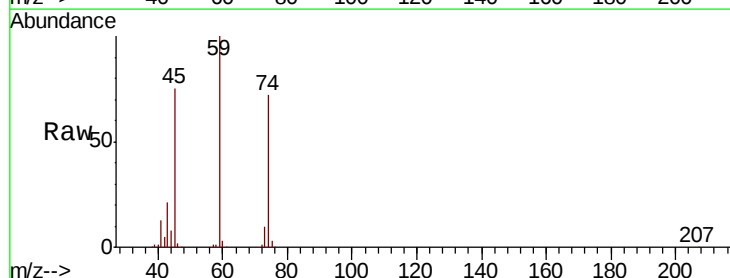
Tot Ion:101 Resp: 392540
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.2 76.8

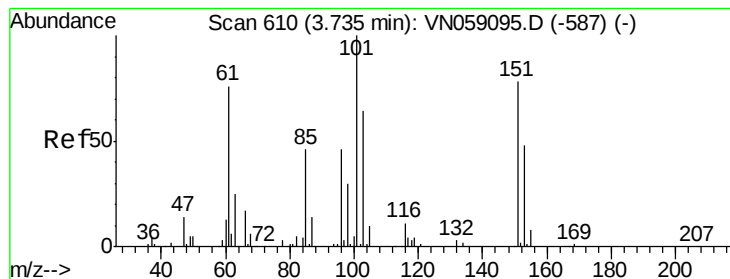


#8

Diethyl Ether
 Concen: 48.636 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

Tgt Ion: 74 Resp: 162483
 Ion Ratio Lower Upper
 74 100
 45 103.7 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.850 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

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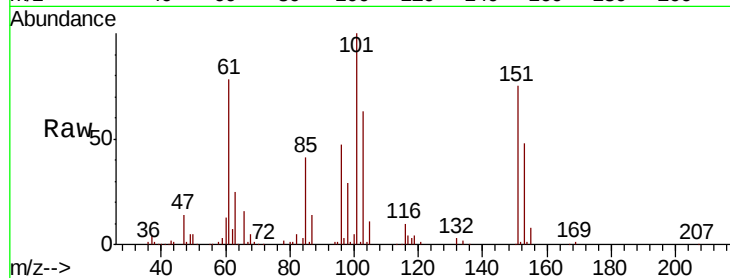
Tot Ion:101 Resp: 237211

Ion Ratio Lower Upper

101 100

85 43.0 35.5 53.3

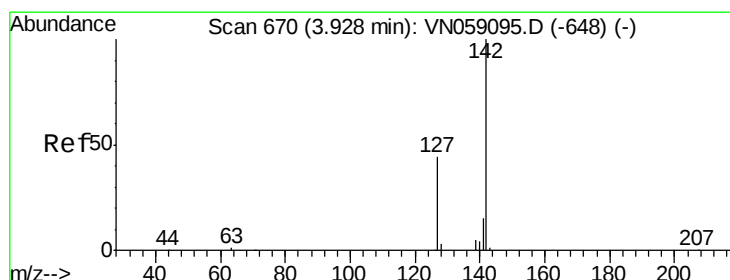
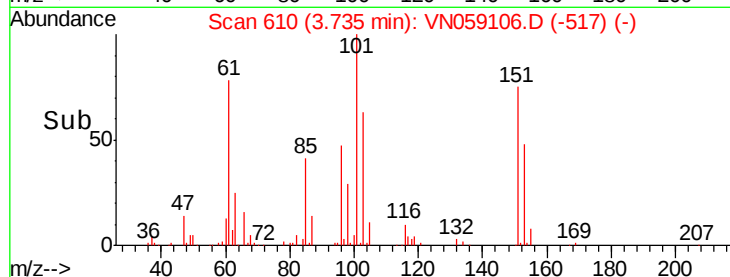
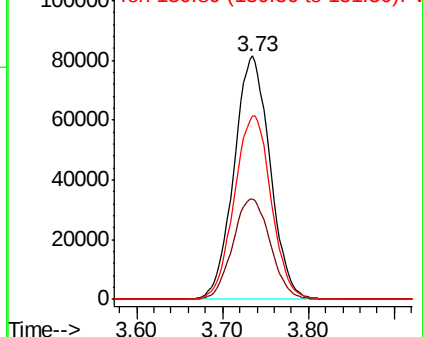
151 77.2 62.2 93.2



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: 50.172 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

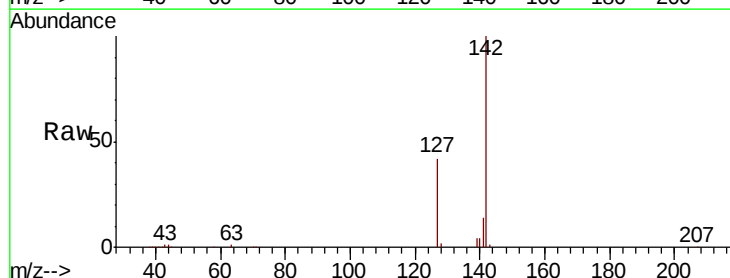
Tgt Ion:142 Resp: 307871

Ion Ratio Lower Upper

142 100

127 42.7 34.2 51.2

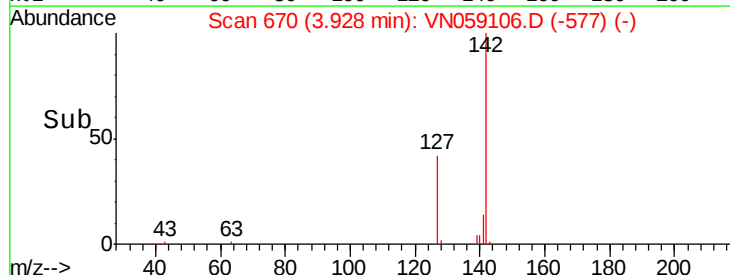
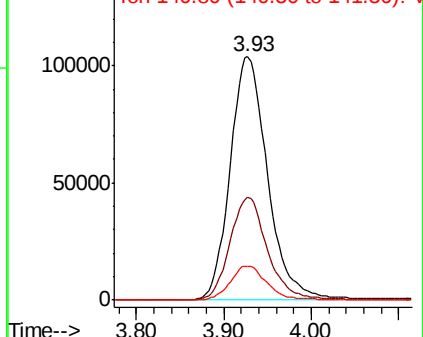
141 13.9 11.4 17.0

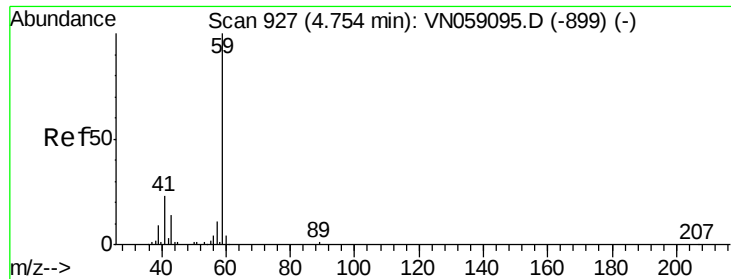


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

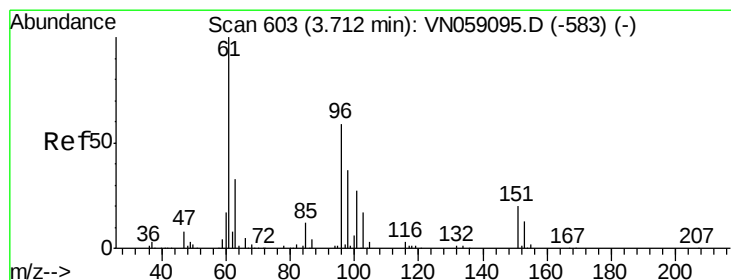
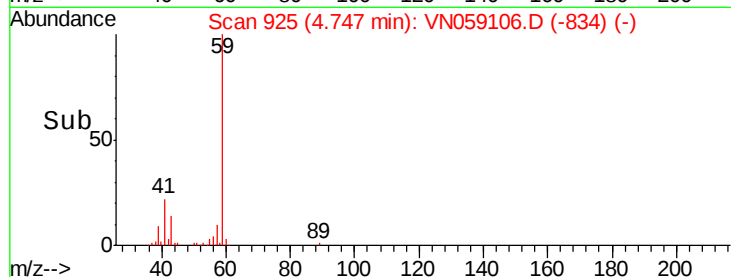
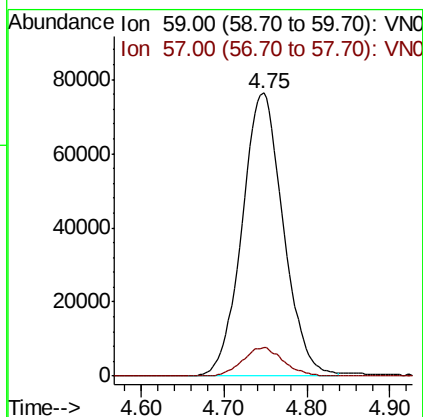
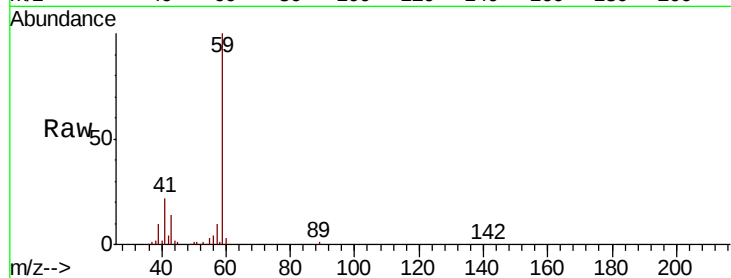




#11
Tert butyl alcohol
Concen: 218.022 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

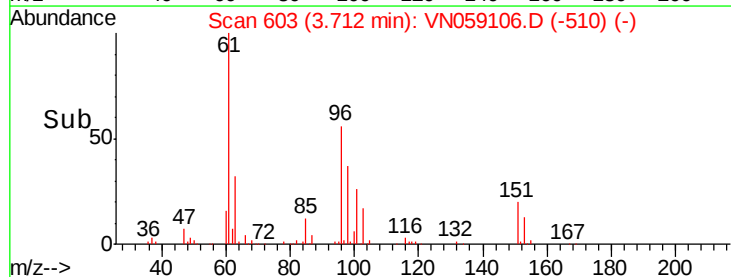
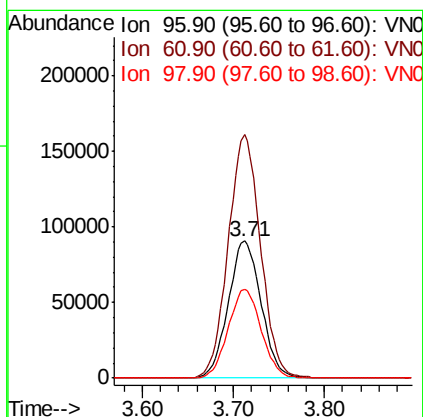
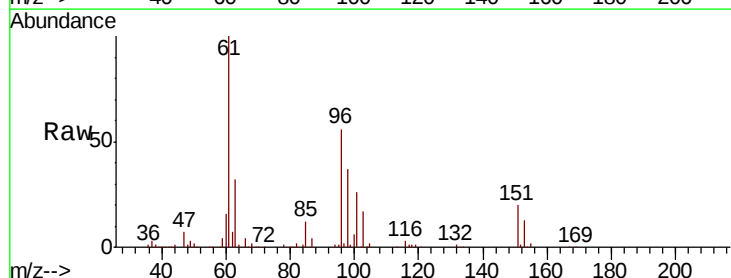
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

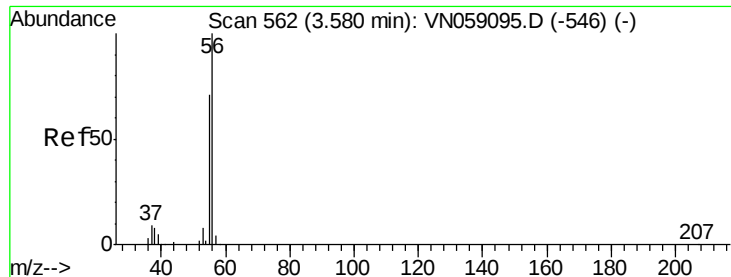
Tot Ion: 59 Resp: 264411
Ion Ratio Lower Upper
59 100
57 10.1 8.3 12.5



#12
1,1-Dichloroethene
Concen: 47.198 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion: 96 Resp: 227930
Ion Ratio Lower Upper
96 100
61 177.7 136.5 204.7
98 65.1 50.2 75.4





#13

Acrolein

Concen: 236.432 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

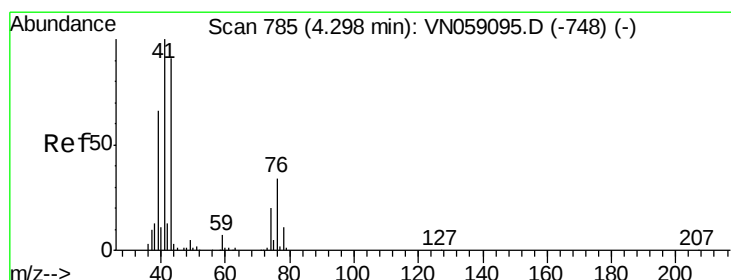
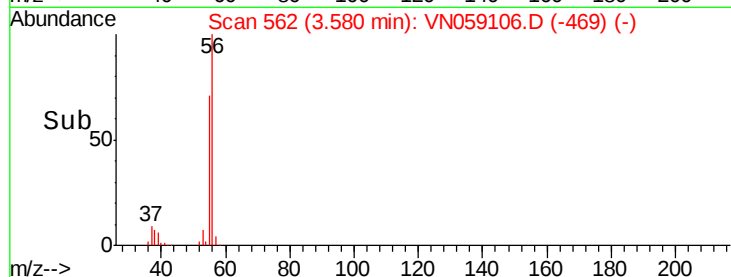
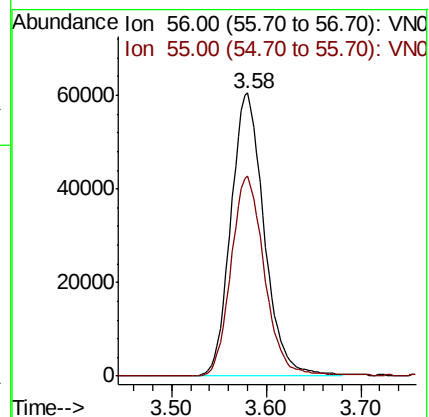
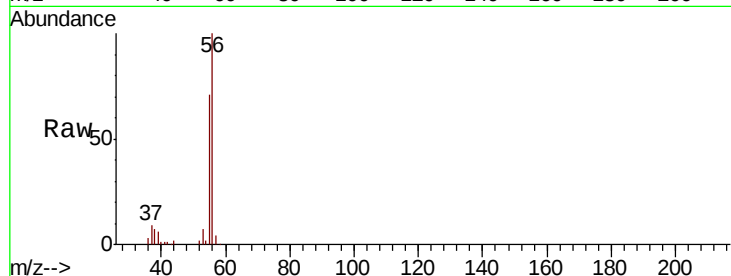
VSTDCCC050EC

Tot Ion: 56 Resp: 147836

Ion Ratio Lower Upper

56 100

55 70.8 56.4 84.6



#14

Allyl chloride

Concen: 42.284 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

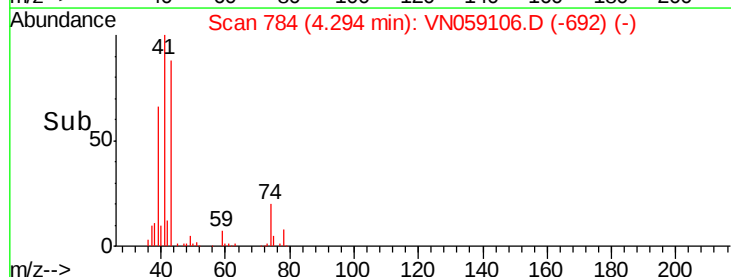
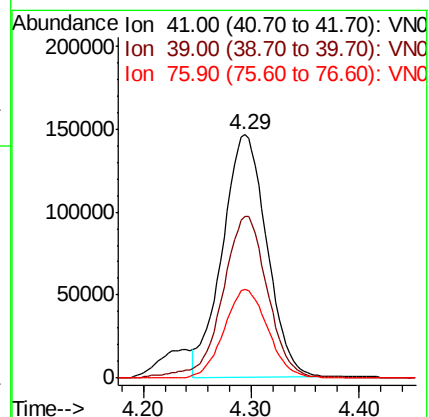
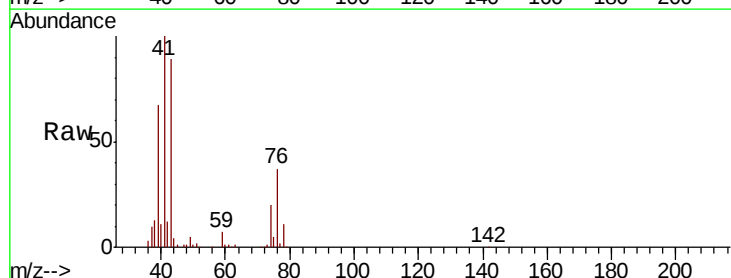
Tgt Ion: 41 Resp: 419445

Ion Ratio Lower Upper

41 100

39 67.7 49.1 73.7

76 36.3 24.9 37.3





#15

Acrylonitrile

Concen: 241.720 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

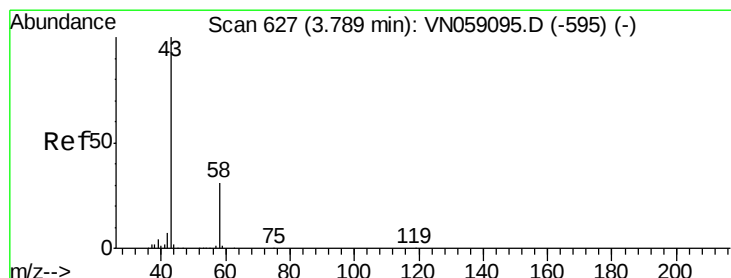
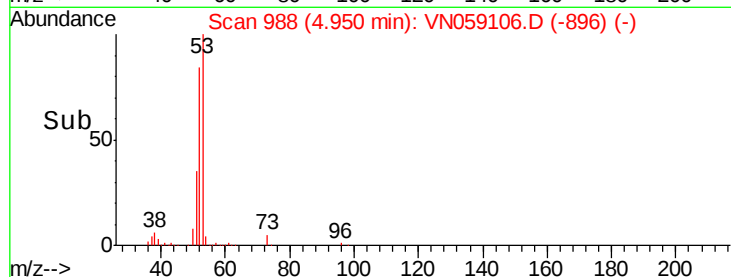
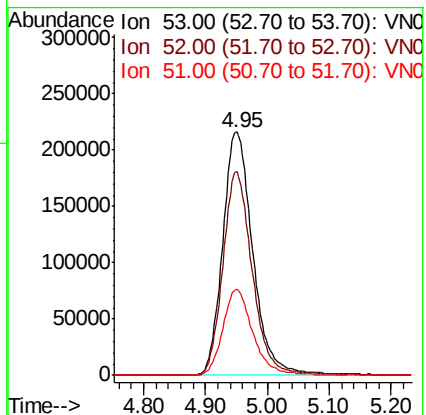
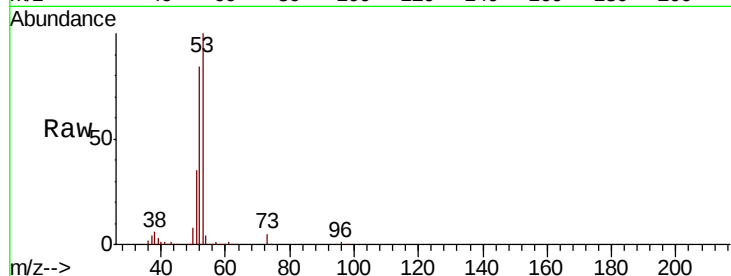
Tot Ion: 53 Resp: 729552

Ion Ratio Lower Upper

53 100

52 81.1 65.0 97.6

51 35.4 28.0 42.0



#16

Acetone

Concen: 244.346 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059106.D

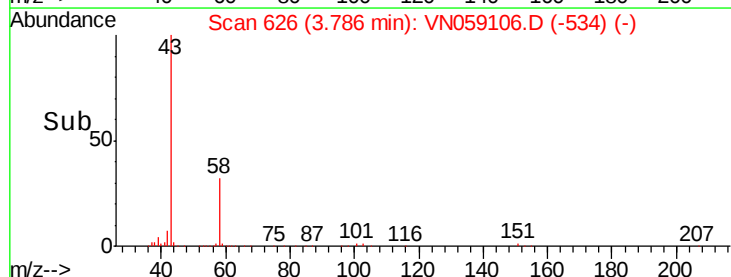
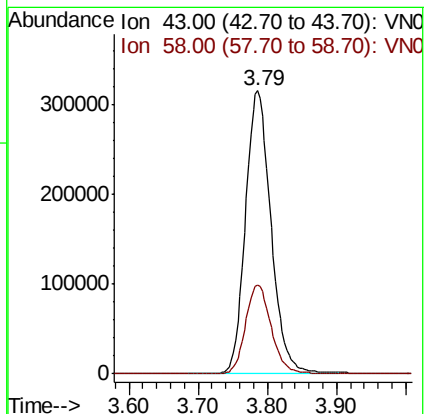
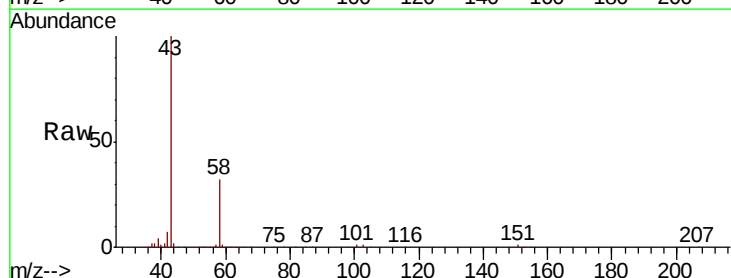
Acq: 6 Nov 2019 15:01

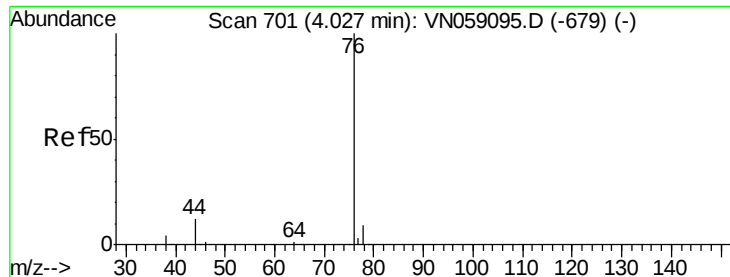
Tgt Ion: 43 Resp: 808593

Ion Ratio Lower Upper

43 100

58 31.5 24.9 37.3

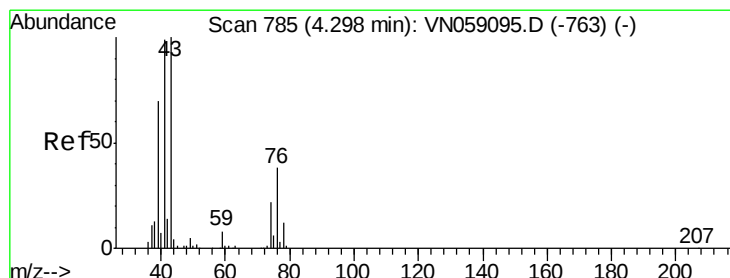
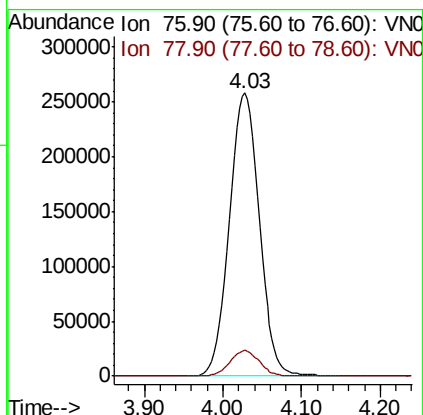
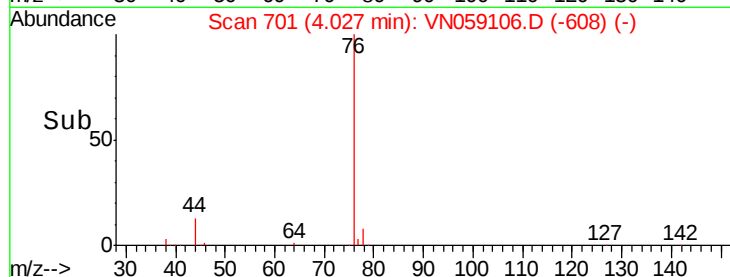
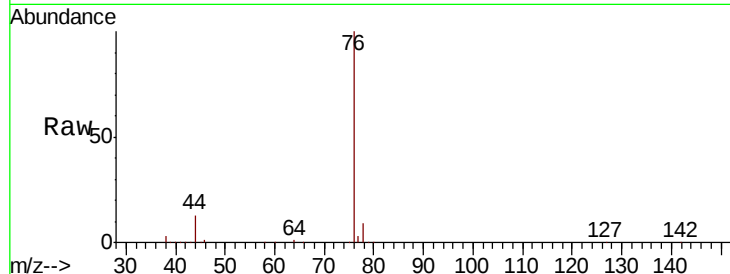




#17
Carbon Disulfide
Concen: 45.557 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

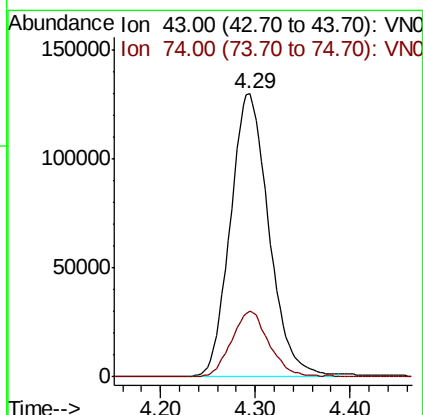
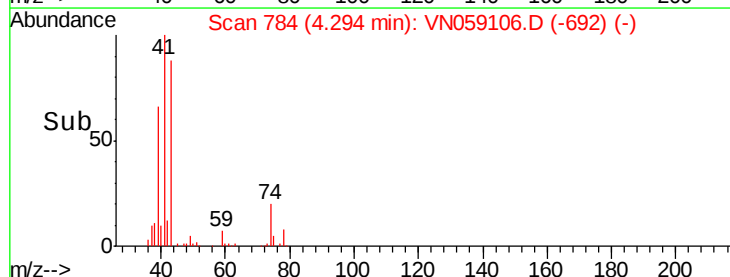
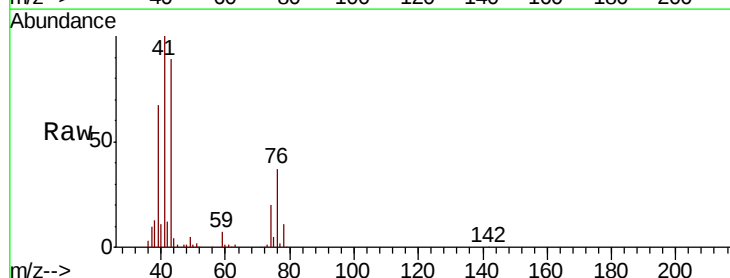
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

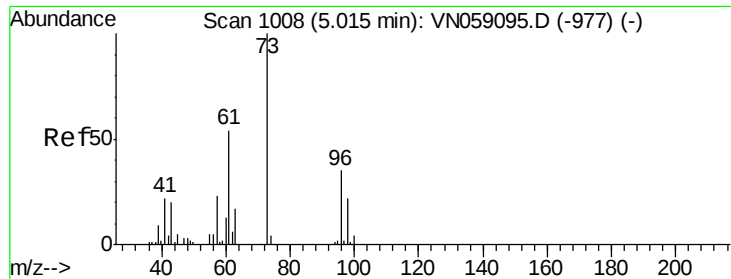
Tot Ion: 76 Resp: 682944
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 46.537 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion: 43 Resp: 365539
Ion Ratio Lower Upper
43 100
74 22.8 17.8 26.8

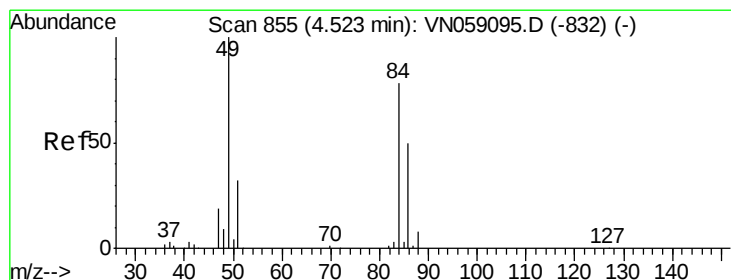
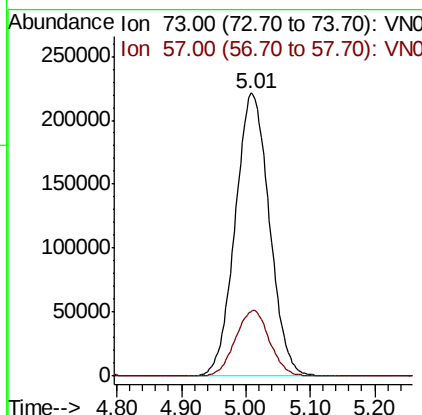
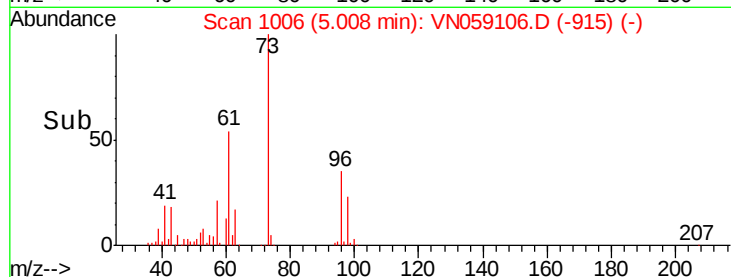
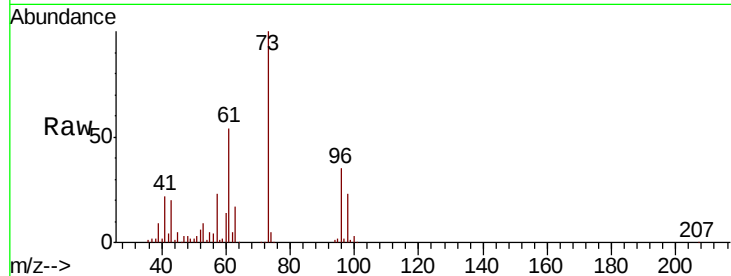




#19
Methvl tert-butvl Ether
Concen: 49.030 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

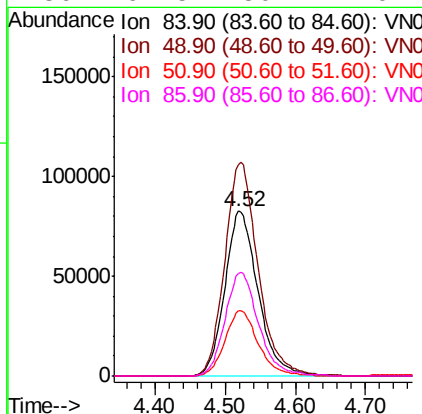
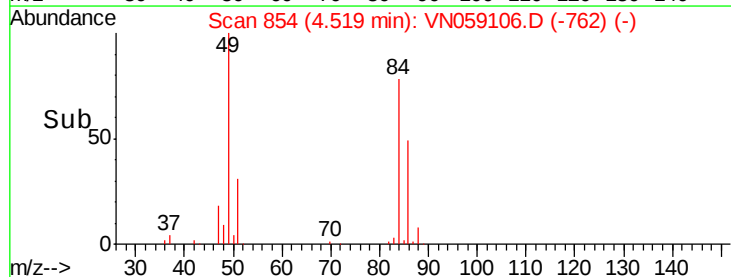
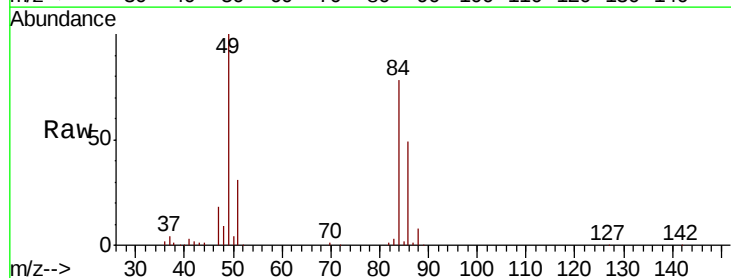
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

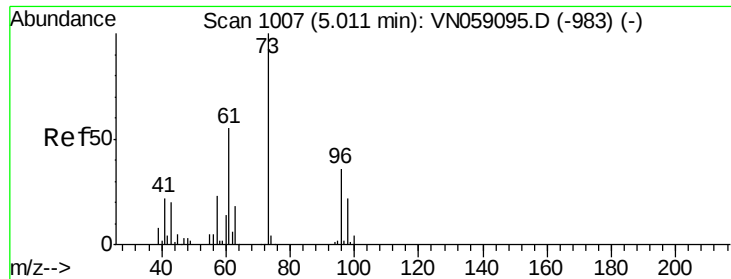
Tot Ion: 73 Resp: 815182
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6



#20
Methylene Chloride
Concen: 47.093 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion: 84 Resp: 271498
Ion Ratio Lower Upper
84 100
49 128.3 102.0 153.0
51 39.4 32.2 48.2
86 62.5 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 48.455 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

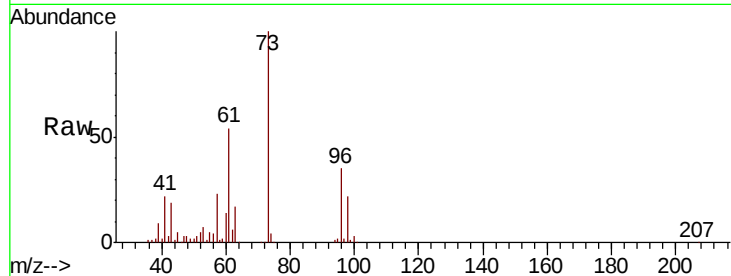
Tot Ion: 96 Resp: 251172

Ion Ratio Lower Upper

96 100

61 153.8 122.6 183.8

98 63.1 50.3 75.5

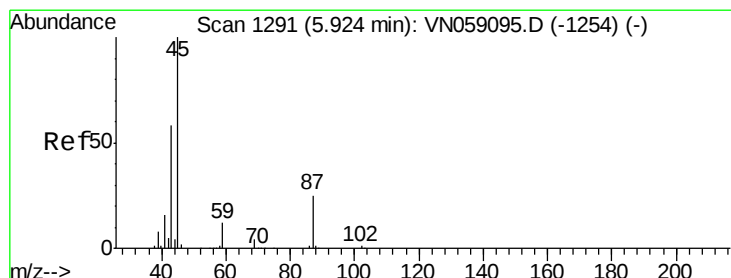
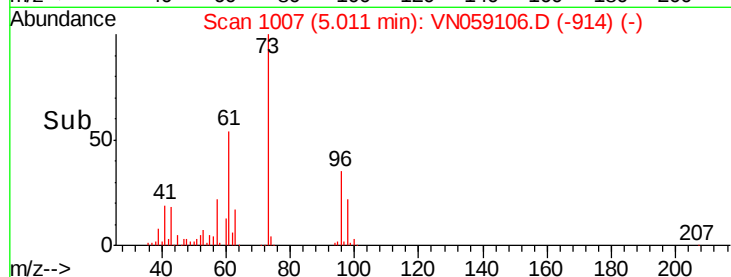
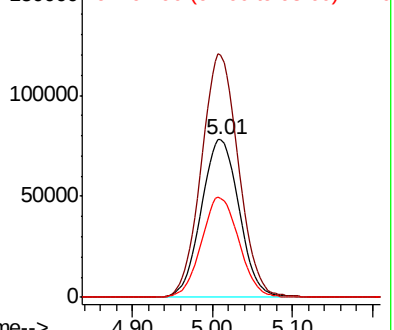


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.202 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Tgt Ion: 45 Resp: 921891

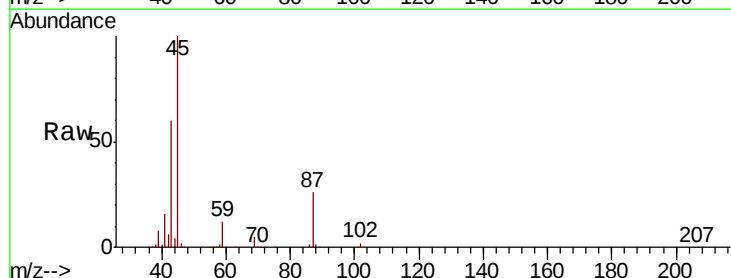
Ion Ratio Lower Upper

45 100

43 58.8 46.7 70.1

87 26.4 20.5 30.7

59 11.6 9.6 14.4



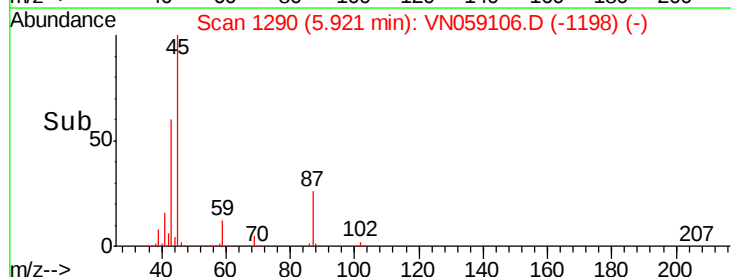
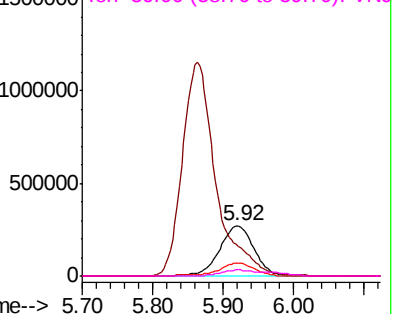
Abundance

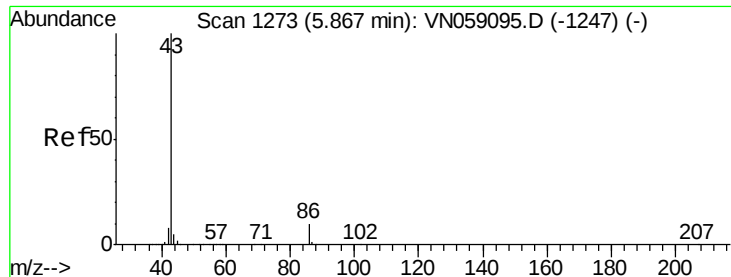
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 264.314 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

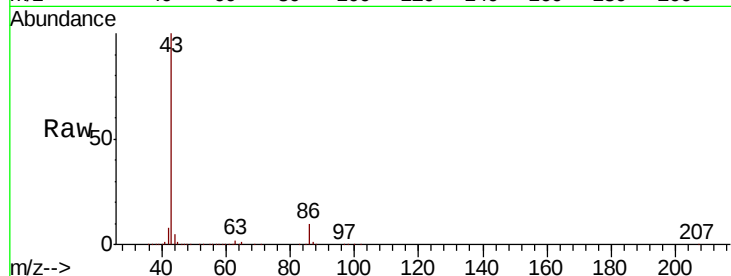
VSTDCCC050EC

Tot Ion: 43 Resp: 3838222

Ion Ratio Lower Upper

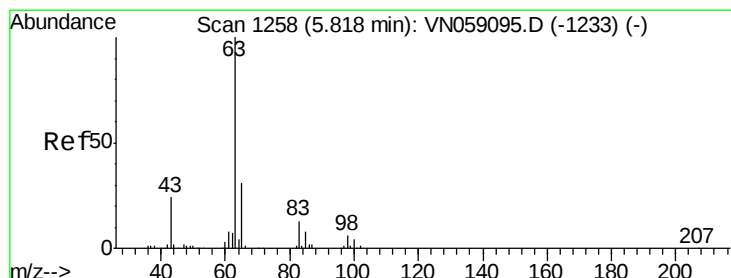
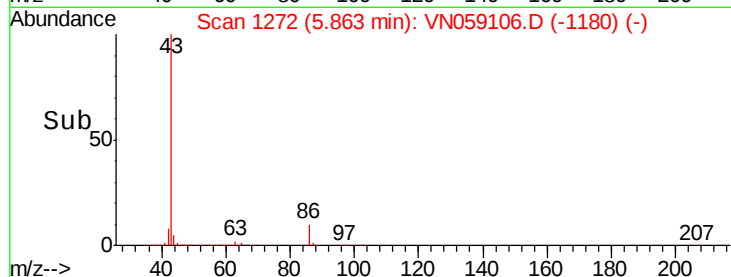
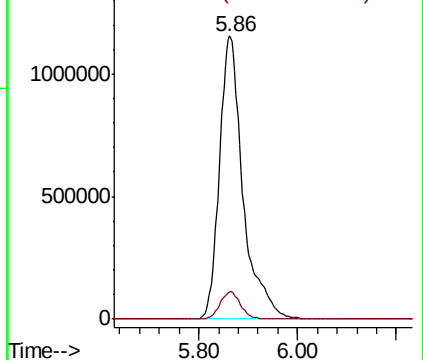
43 100

86 9.6 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059106.D (-1180) (-)

Ion 86.00 (85.70 to 86.70): VN059106.D (-1180) (-)



#24

1,1-Dichloroethane

Concen: 47.988 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

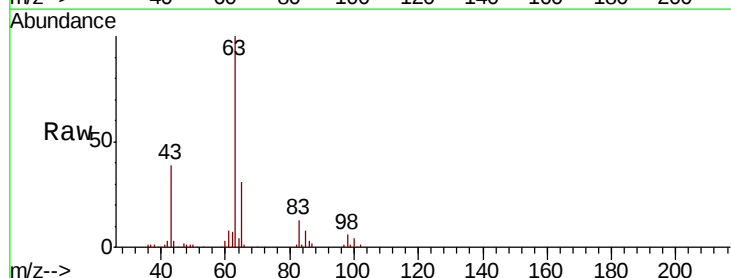
Tgt Ion: 63 Resp: 502198

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

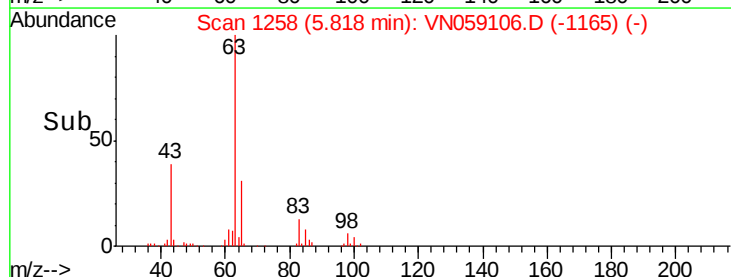
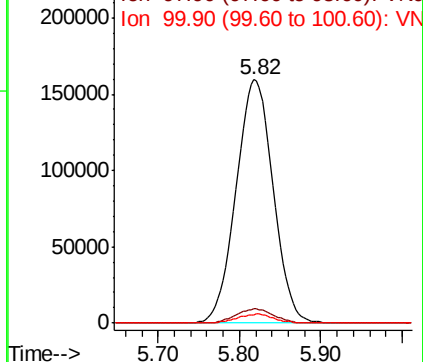
100 3.6 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN059106.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059106.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059106.D (-1165) (-)

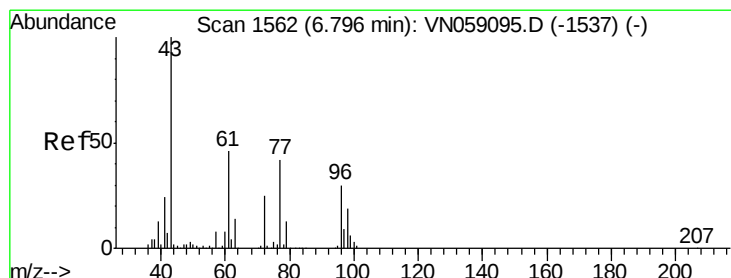
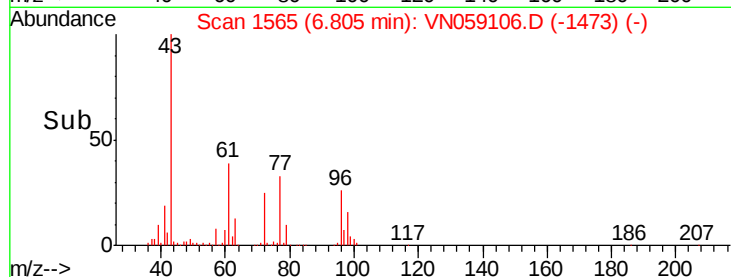
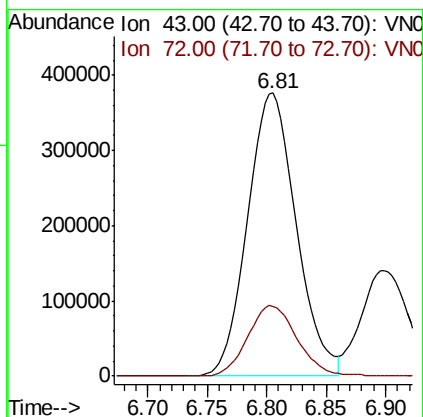
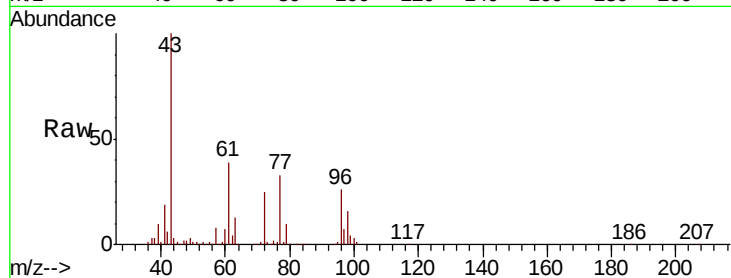




#25
2-Butanone
Concen: 244.172 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

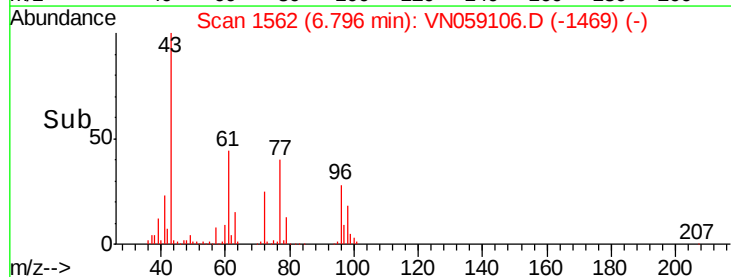
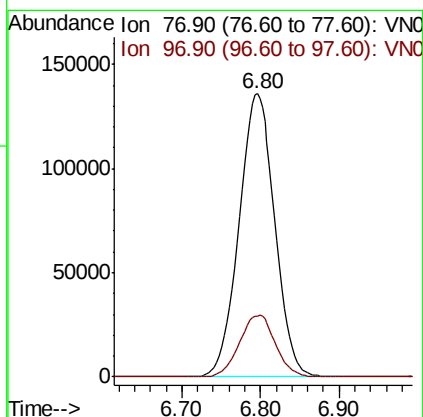
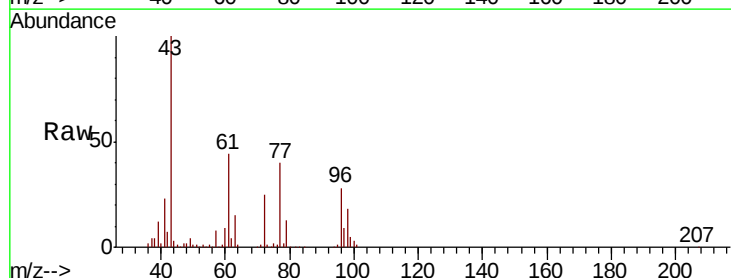
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

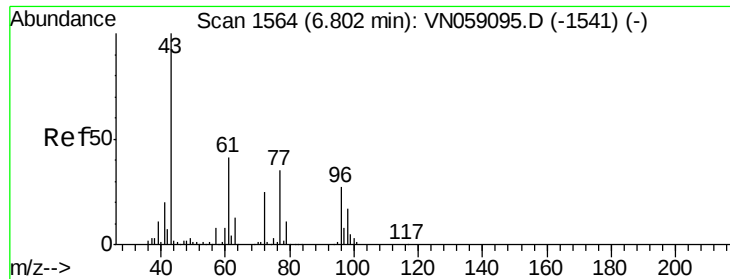
Tot Ion: 43 Resp: 1064920
Ion Ratio Lower Upper
43 100
72 24.8 20.3 30.5



#26
2,2-Dichloropropane
Concen: 47.385 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion: 77 Resp: 433610
Ion Ratio Lower Upper
77 100
97 22.0 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 48.345 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

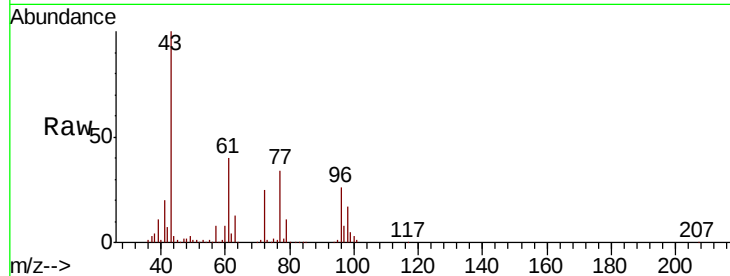
Tot Ion: 96 Resp: 290739

Ion Ratio Lower Upper

96 100

61 156.5 0.0 311.6

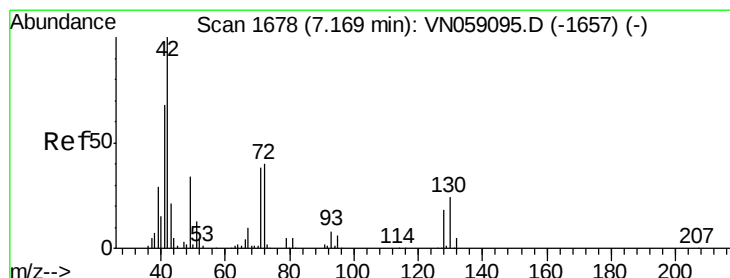
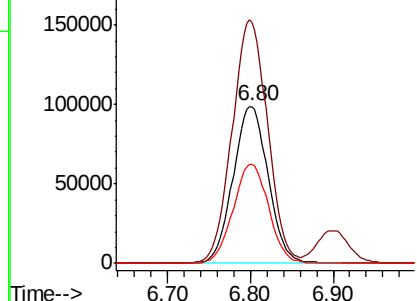
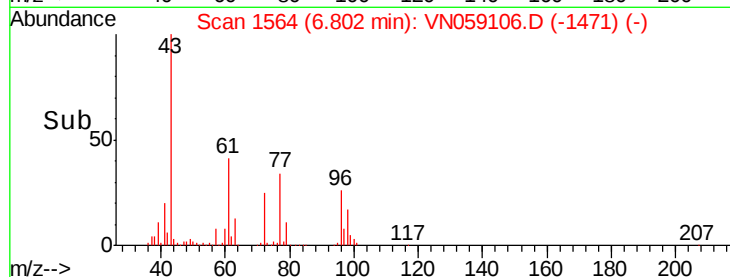
98 63.9 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059106.D (-1471) (-)

Ion 60.90 (60.60 to 61.60): VN059106.D (-1471) (-)

Ion 97.90 (97.60 to 98.60): VN059106.D (-1471) (-)



#28

Bromochloromethane

Concen: 47.337 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

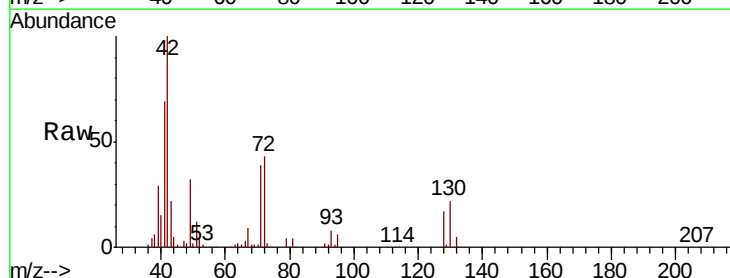
Tgt Ion: 49 Resp: 149039

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.8

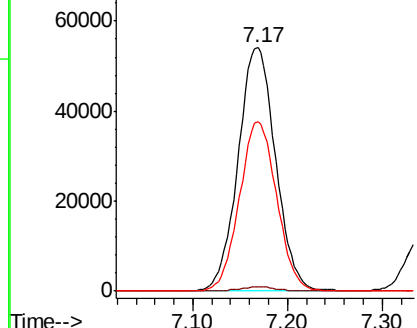
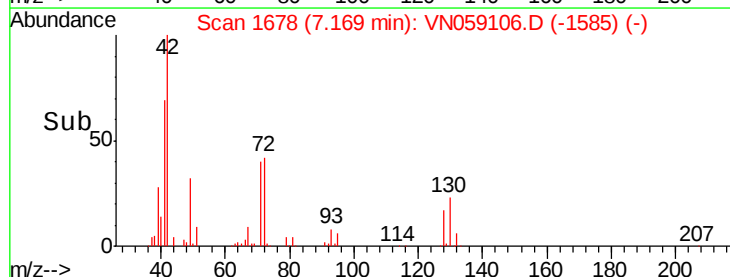
130 69.0 55.6 83.4

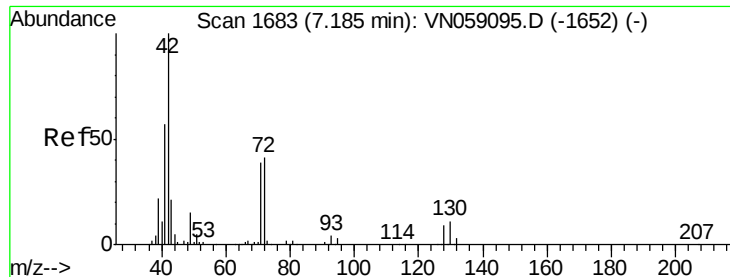


Abundance Ion 48.90 (48.60 to 49.60): VN059106.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059106.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059106.D (-1585) (-)





#29

Tetrahydrofuran

Concen: 234.842 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

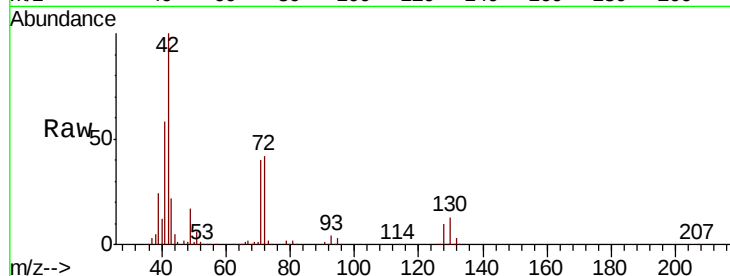
Tot Ion: 42 Resp: 650796

Ion Ratio Lower Upper

42 100

72 41.9 33.1 49.7

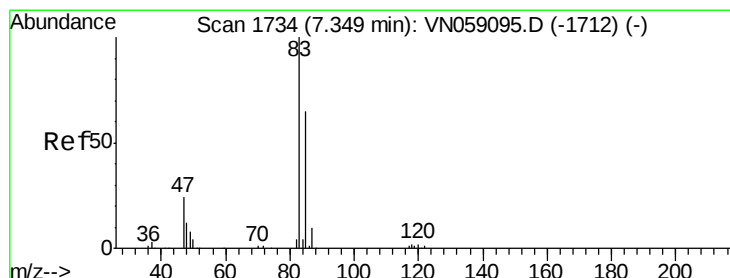
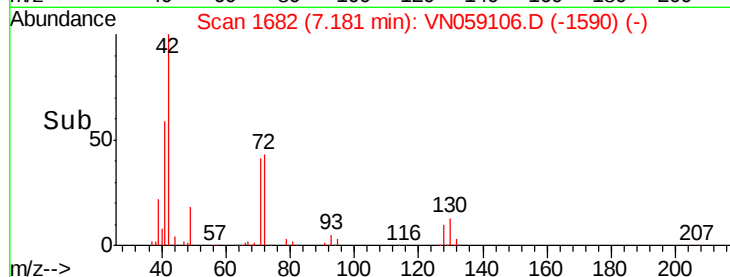
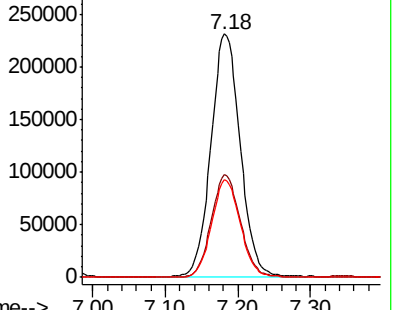
71 39.4 30.9 46.3



Abundance Ion 42.00 (41.70 to 42.70): VN059095.D (-1652) (-)

Ion 72.00 (71.70 to 72.70): VN059095.D (-1652) (-)

Ion 71.00 (70.70 to 71.70): VN059095.D (-1652) (-)



#30

Chloroform

Concen: 48.041 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059106.D

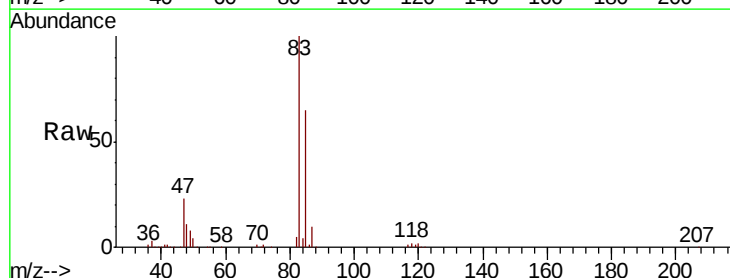
Acq: 6 Nov 2019 15:01

Tgt Ion: 83 Resp: 482275

Ion Ratio Lower Upper

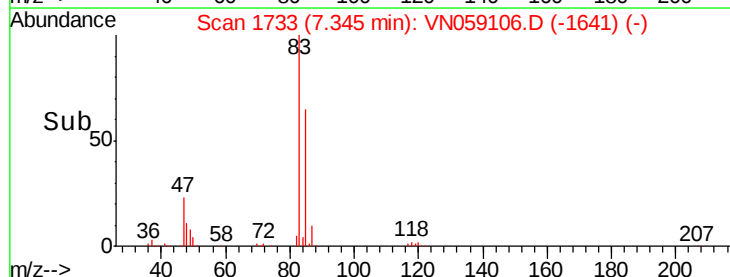
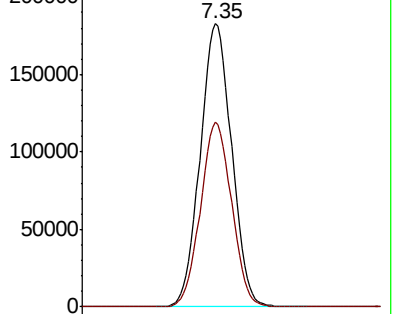
83 100

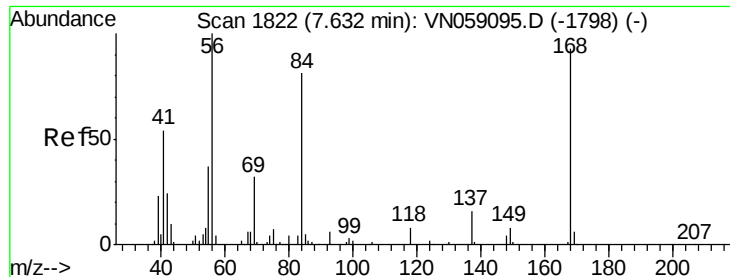
85 65.1 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN059095.D (-1712) (-)

Ion 84.90 (84.60 to 85.60): VN059095.D (-1712) (-)

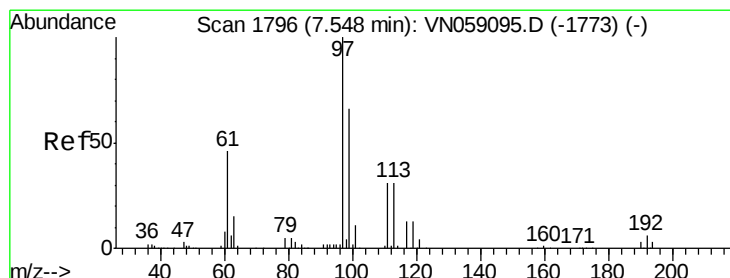
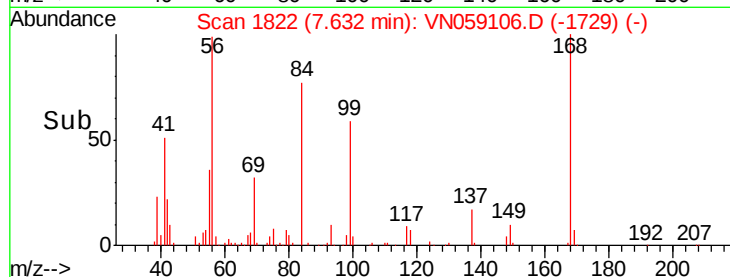
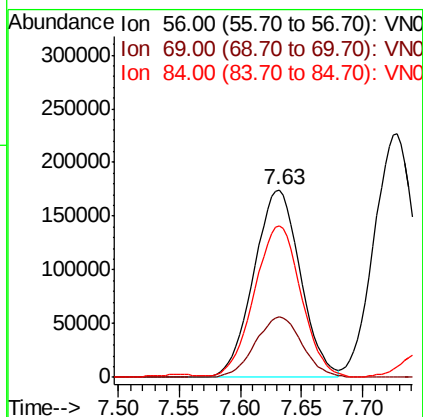
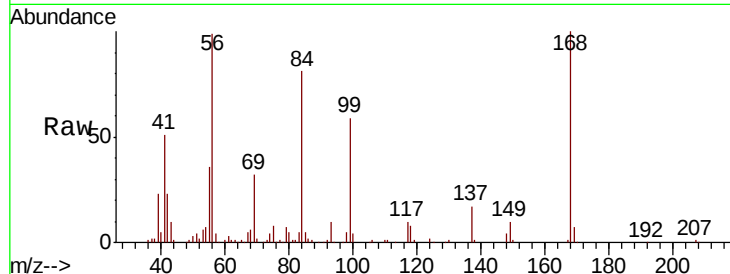




#31
Cyclohexane
Concen: 46.794 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

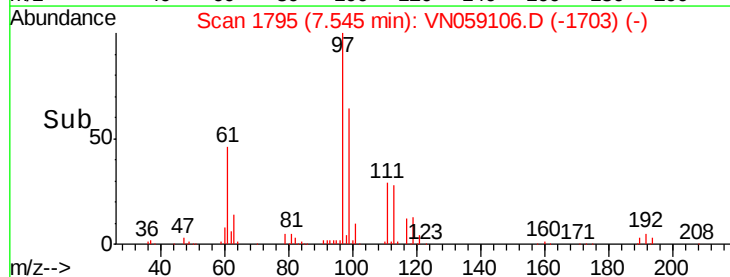
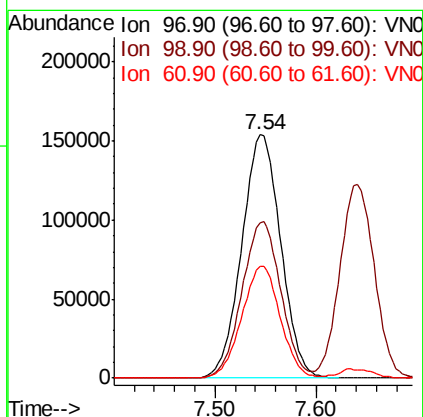
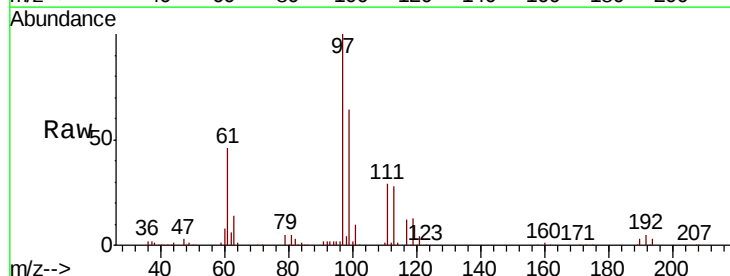
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 463593
Ion Ratio Lower Upper
56 100
69 32.4 25.8 38.8
84 79.7 65.0 97.4



#32
1,1,1-Trichloroethane
Concen: 48.940 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion: 97 Resp: 413060
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.6
61 45.5 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 47.977 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

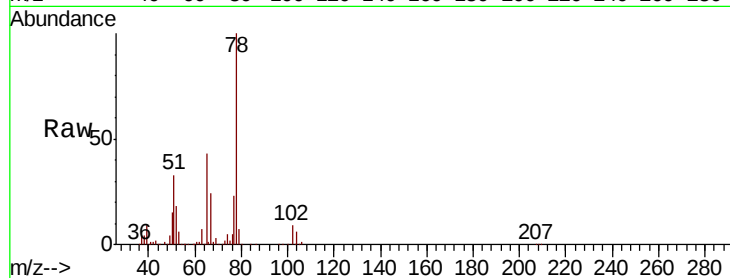
VSTDCCC050EC

Tot Ion: 65 Resp: 305307

Ion Ratio Lower Upper

65 100

67 55.2 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059106.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059106.D (-1845) (-)

8.00

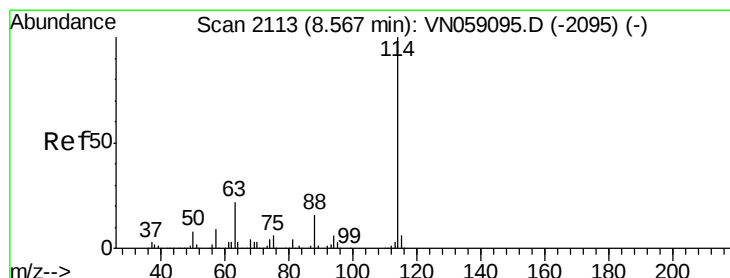
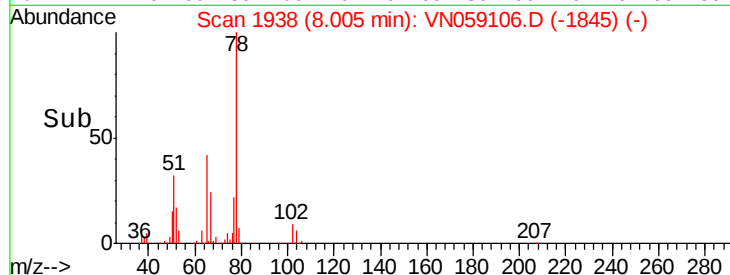
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

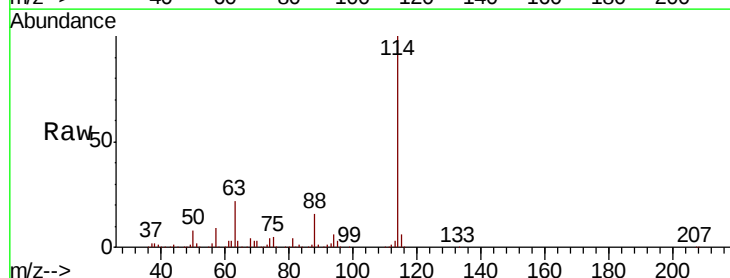
Tgt Ion: 114 Resp: 808833

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.4

88 16.0 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059106.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059106.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059106.D (-2020) (-)

8.57

500000

400000

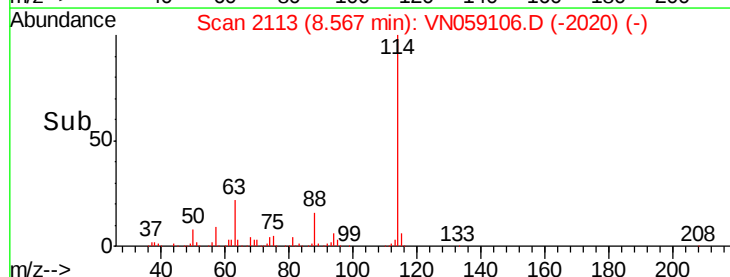
300000

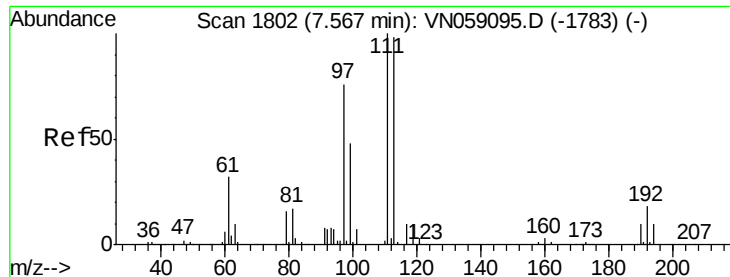
200000

100000

0

Time-->

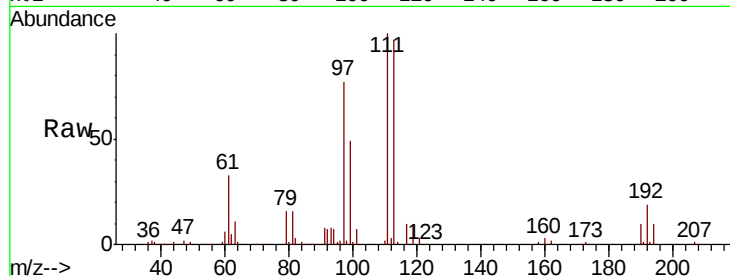




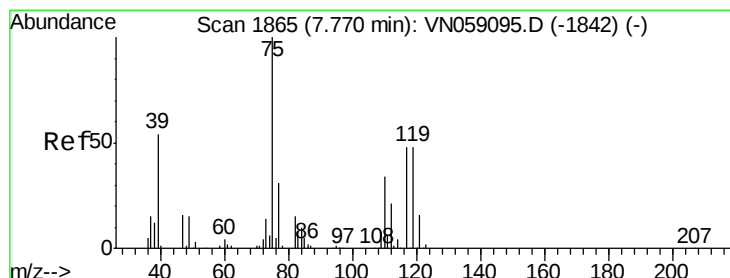
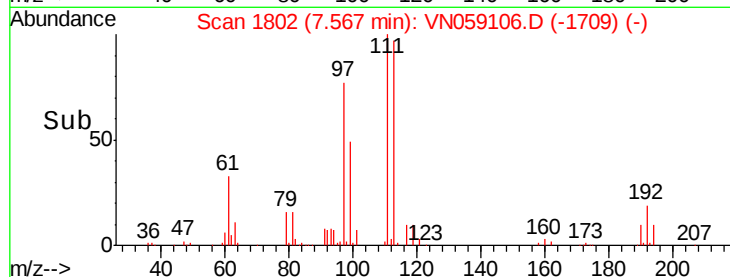
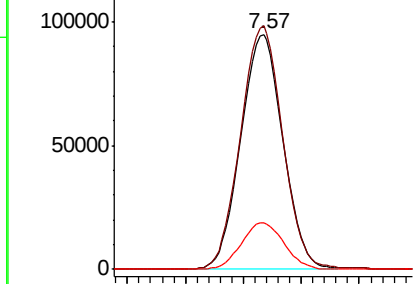
#35
Dibromofluoromethane
Concen: 49.709 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:113 Resp: 240070
Ion Ratio Lower Upper
113 100
111 103.6 82.8 124.2
192 20.2 16.1 24.1

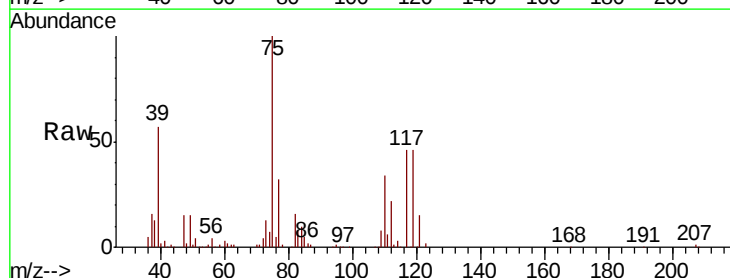


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

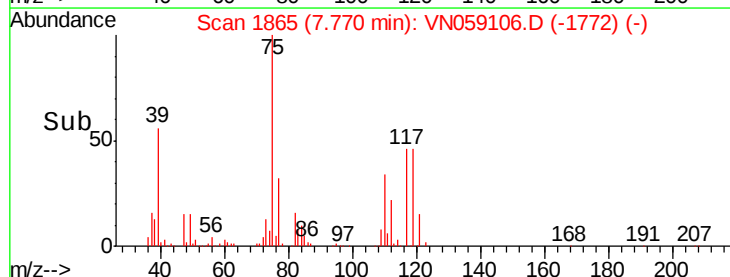
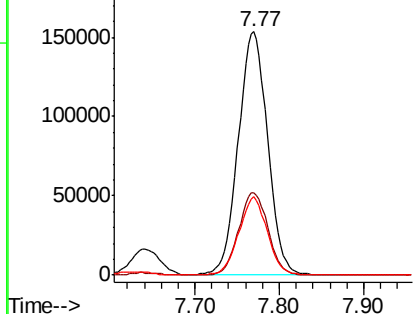


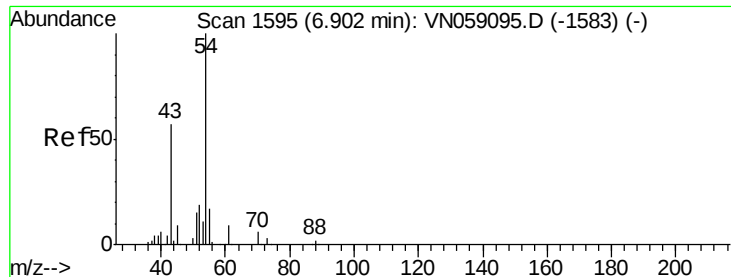
#36
1,1-Dichloropropene
Concen: 49.138 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion: 75 Resp: 371497
Ion Ratio Lower Upper
75 100
110 33.9 17.1 51.2
77 31.4 24.8 37.2



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

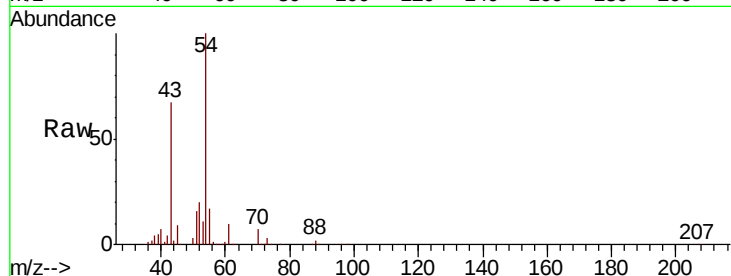




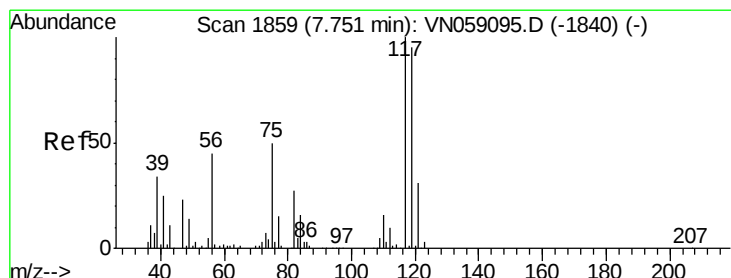
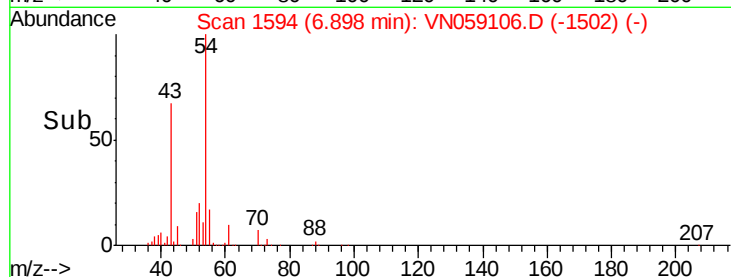
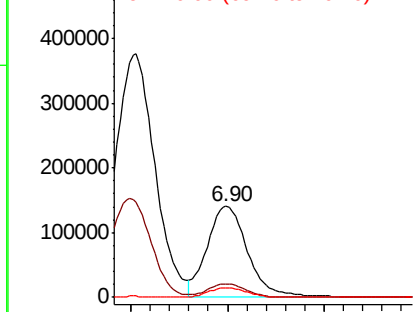
#37
Ethyl Acetate
Concen: 47.816 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 402159
Ion Ratio Lower Upper
43 100
61 13.9 11.2 16.8
70 10.1 7.8 11.8

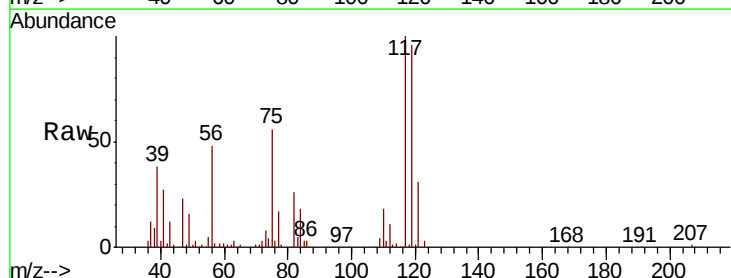


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

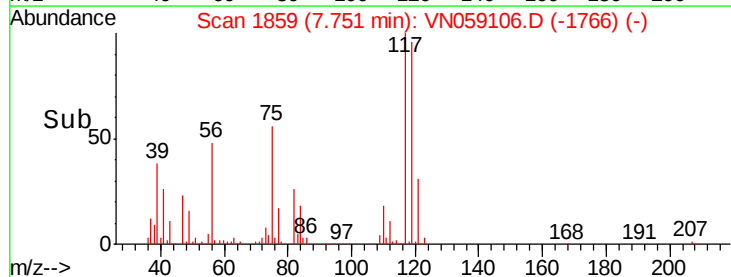
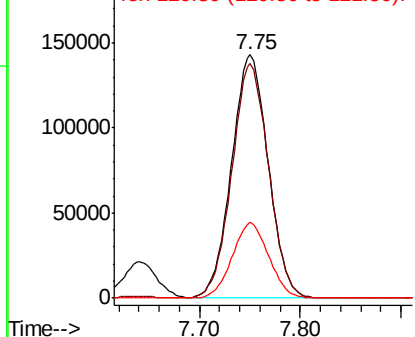


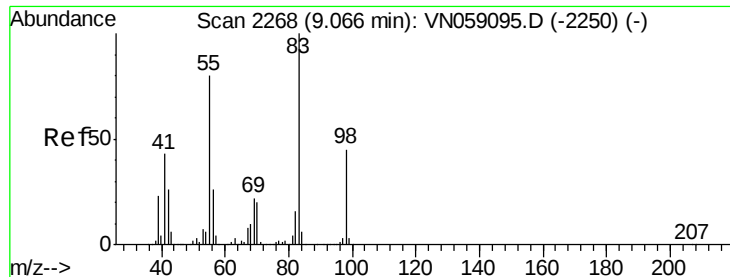
#38
Carbon Tetrachloride
Concen: 47.996 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion: 117 Resp: 361163
Ion Ratio Lower Upper
117 100
119 96.1 75.6 113.4
121 31.0 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

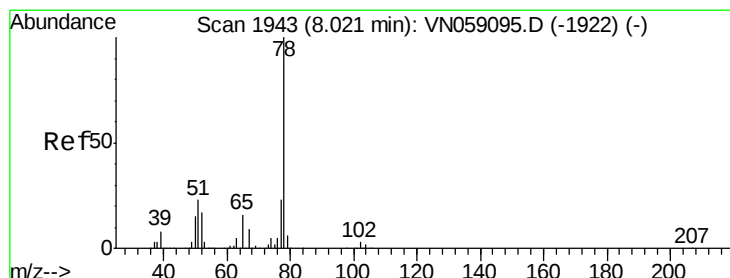
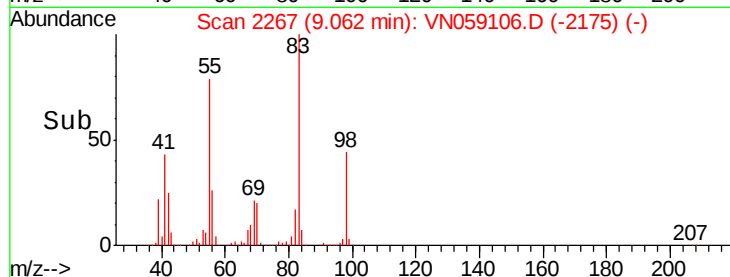
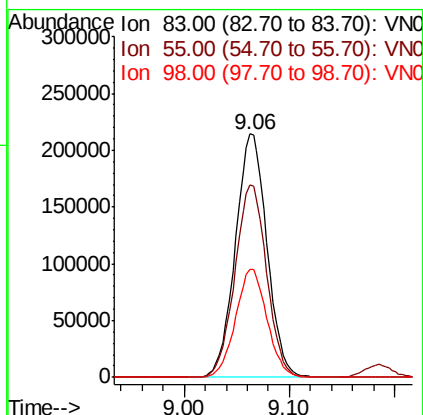
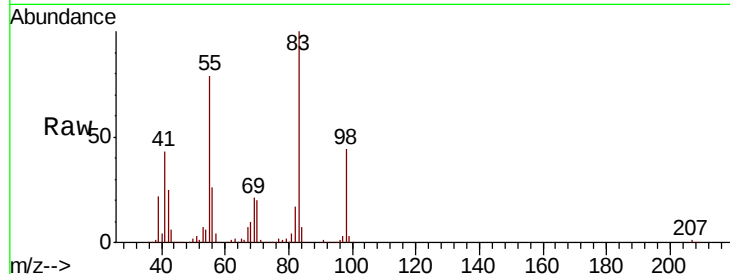




#39
Methvlcvclohexane
Concen: 50.728 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

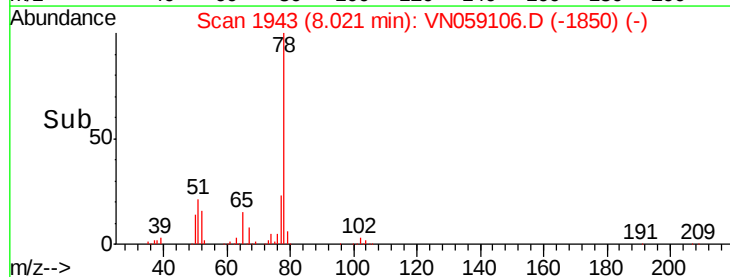
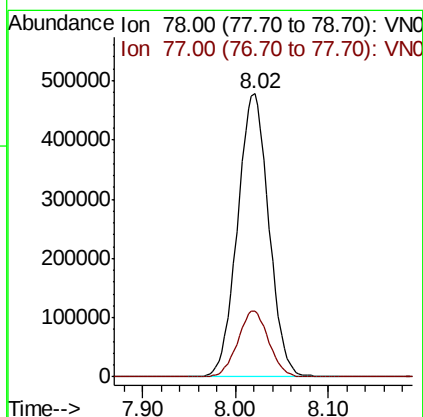
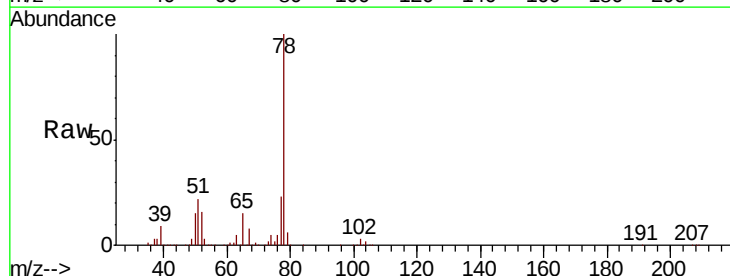
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

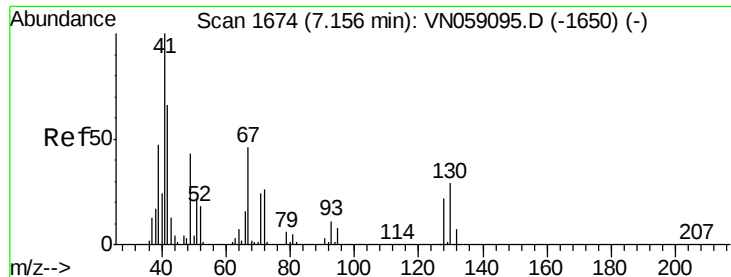
Tot Ion: 83 Resp: 445101
Ion Ratio Lower Upper
83 100
55 79.0 63.9 95.9
98 44.5 35.6 53.4



#40
Benzene
Concen: 49.115 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion: 78 Resp: 1118170
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

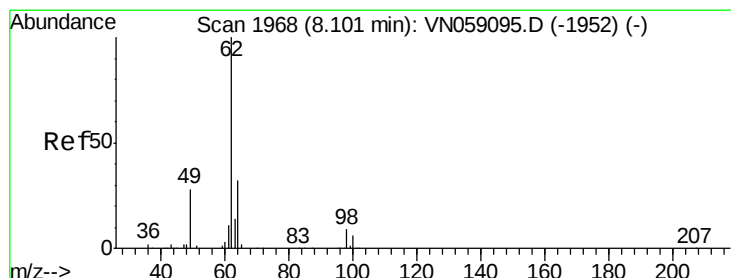
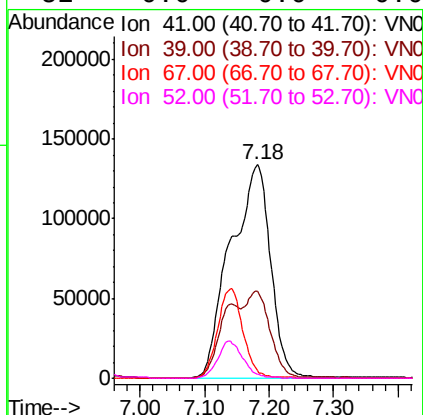
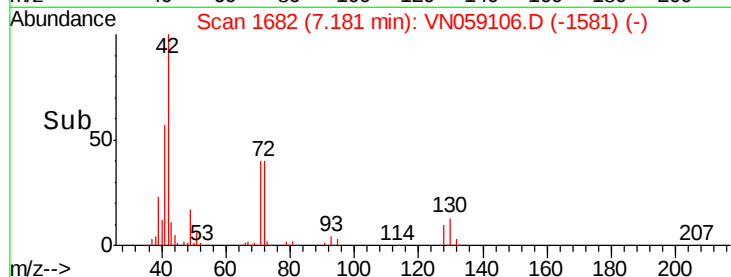
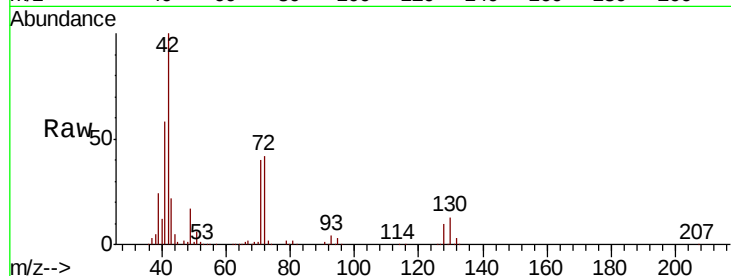




#41
Methacrylonitrile
Concen: 157.585 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

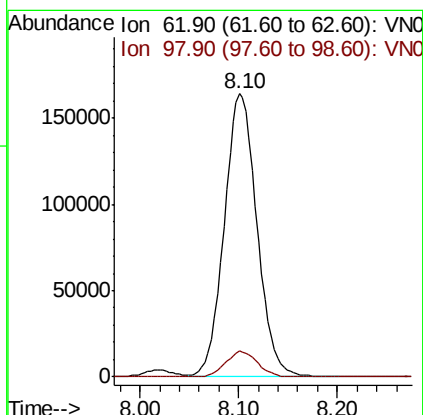
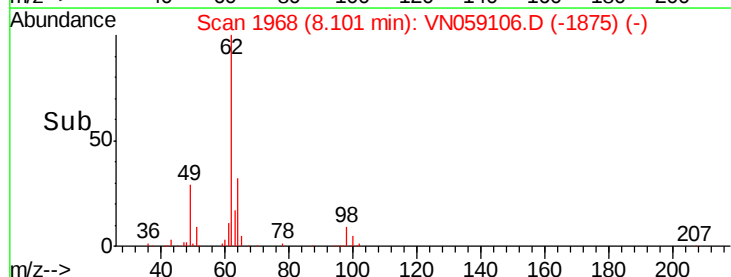
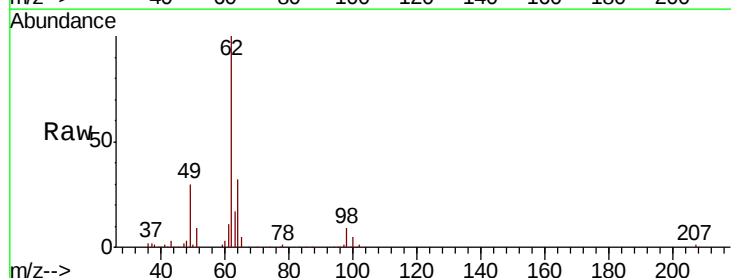
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

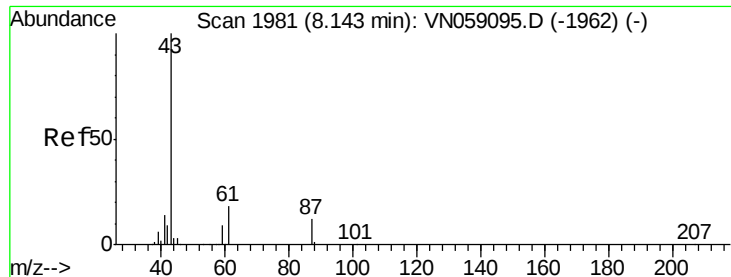
Tot Ion:	41	Resp:	576330
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 48.495 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion:	62	Resp:	378666
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8





#43

Isopropyl Acetate

Concen: 48.760 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

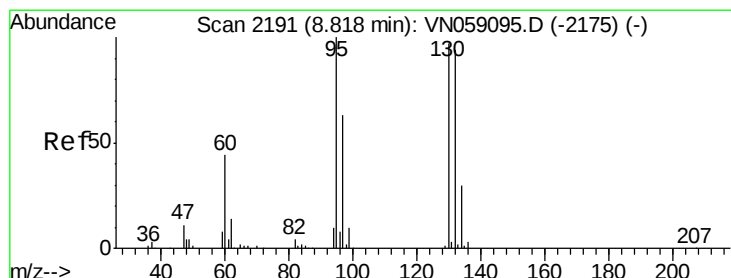
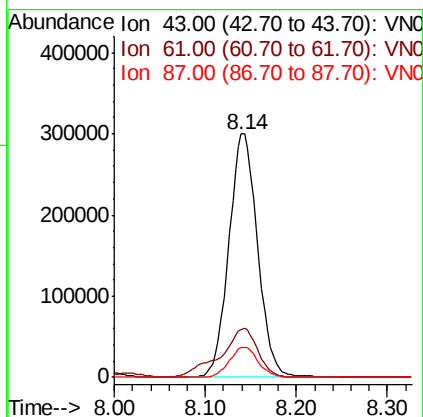
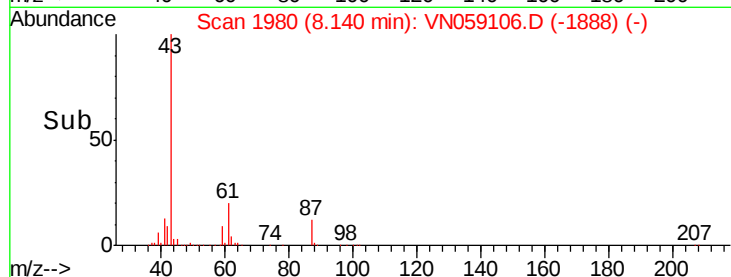
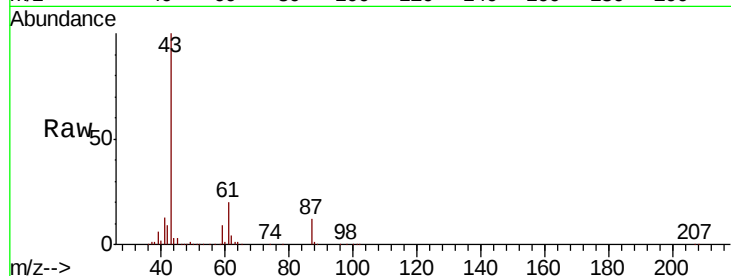
Tot Ion: 43 Resp: 653797

Ion Ratio Lower Upper

43 100

61 26.2 21.0 31.6

87 12.5 9.8 14.6



#44

Trichloroethene

Concen: 48.838 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059106.D

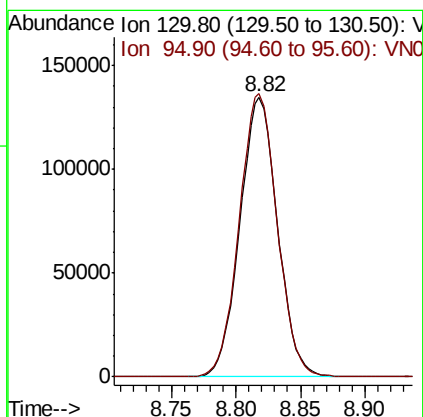
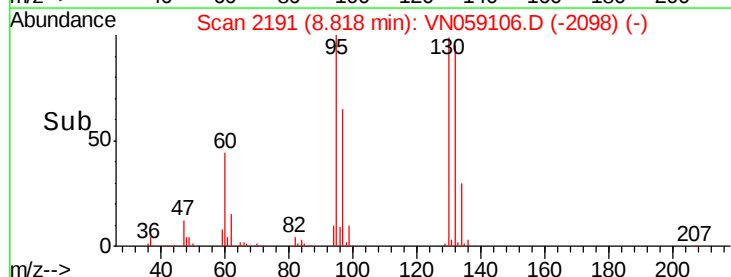
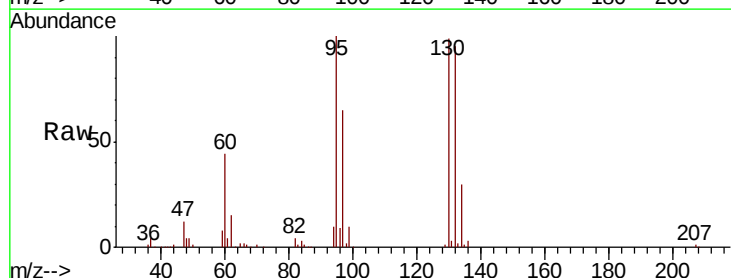
Acq: 6 Nov 2019 15:01

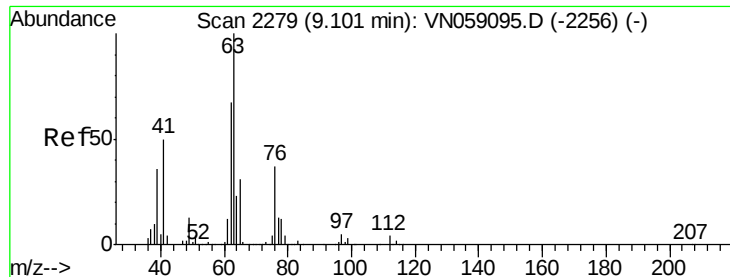
Tgt Ion: 130 Resp: 273317

Ion Ratio Lower Upper

130 100

95 101.2 0.0 206.4





#45

1,2-Dichloropropane

Concen: 49.209 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

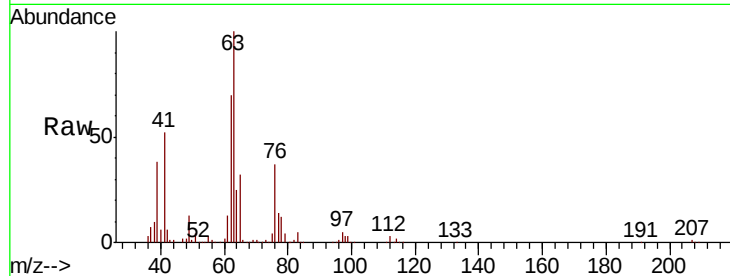
VSTDCCC050EC

Tot Ion: 63 Resp: 304296

Ion Ratio Lower Upper

63 100

65 32.1 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN059095.D (-2256) (-)

Ion 64.90 (64.60 to 65.60): VN059095.D (-2256) (-)

9.10

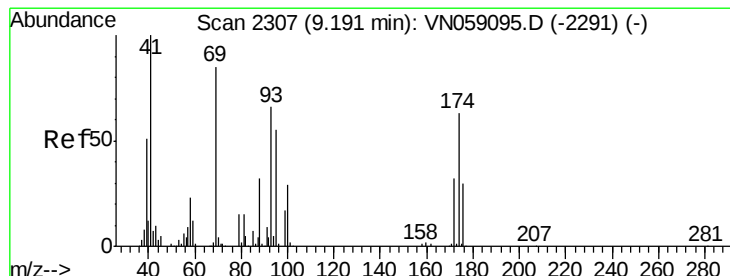
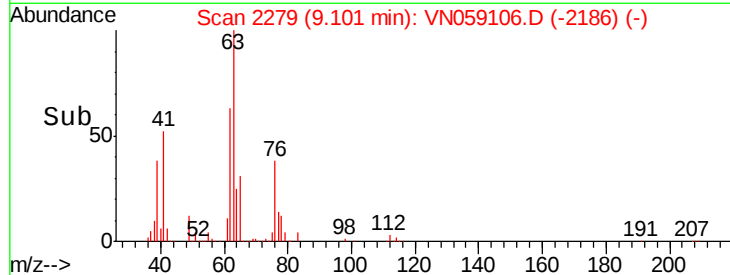
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 48.295 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

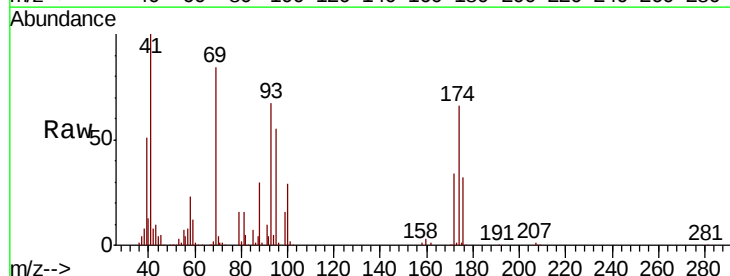
Tgt Ion: 93 Resp: 186101

Ion Ratio Lower Upper

93 100

95 82.1 66.6 100.0

174 97.1 78.2 117.2



Abundance Ion 92.80 (92.50 to 93.50): VN059095.D (-2291) (-)

Ion 94.80 (94.50 to 95.50): VN059095.D (-2291) (-)

Ion 173.70 (173.40 to 174.40): VN059095.D (-2291) (-)

9.19

120000

100000

80000

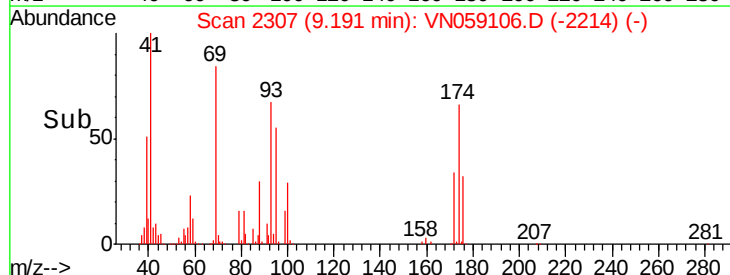
60000

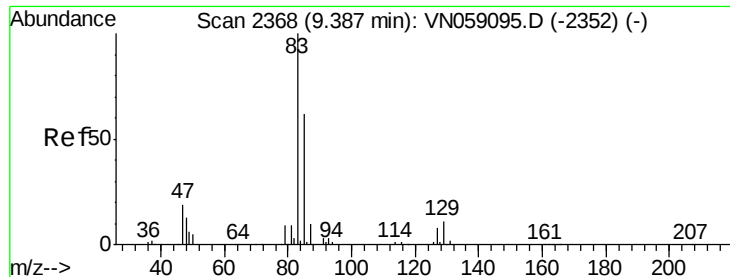
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 50.208 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

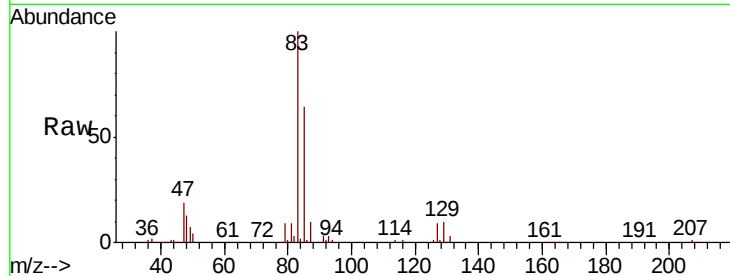
Tot Ion: 83 Resp: 386333

Ion Ratio Lower Upper

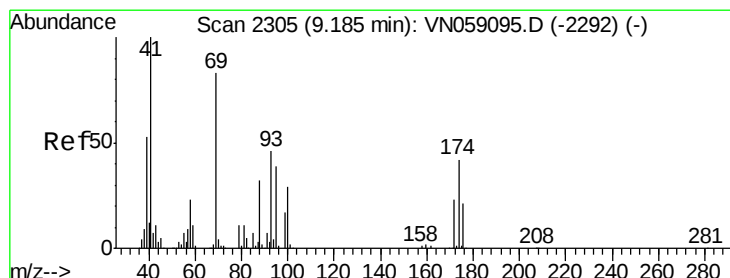
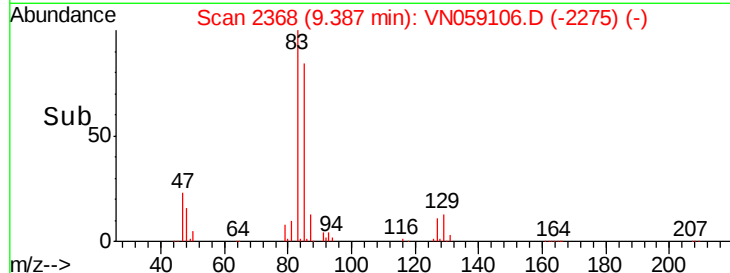
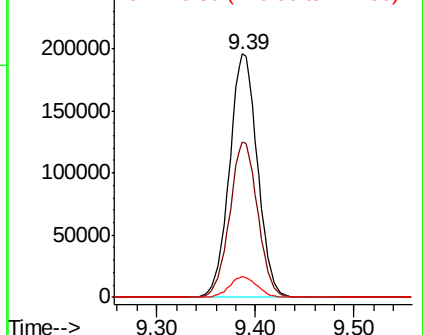
83 100

85 63.9 49.7 74.5

127 8.6 6.4 9.6



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



#48

Methyl methacrylate

Concen: 49.023 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

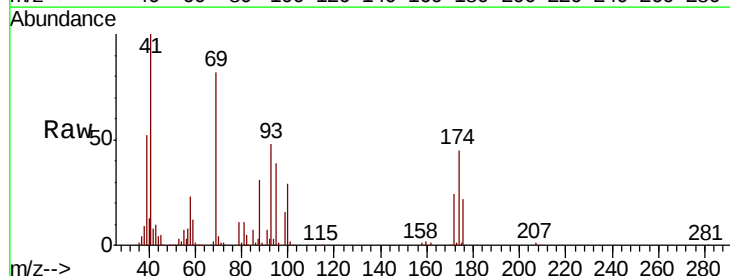
Tgt Ion: 41 Resp: 294019

Ion Ratio Lower Upper

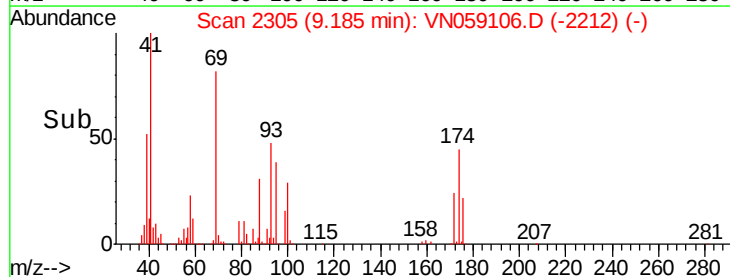
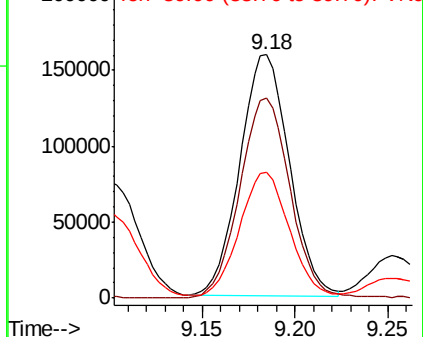
41 100

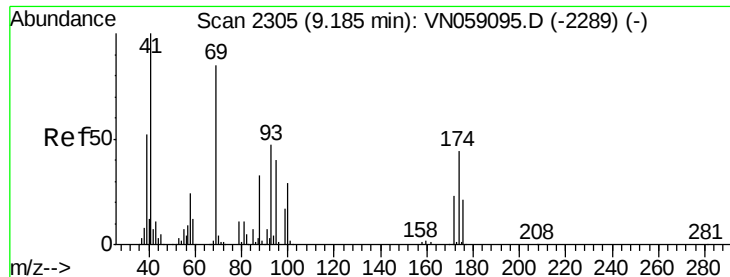
69 84.6 67.3 100.9

39 52.8 43.3 64.9



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





#49

1,4-Dioxane

Concen: 965.146 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

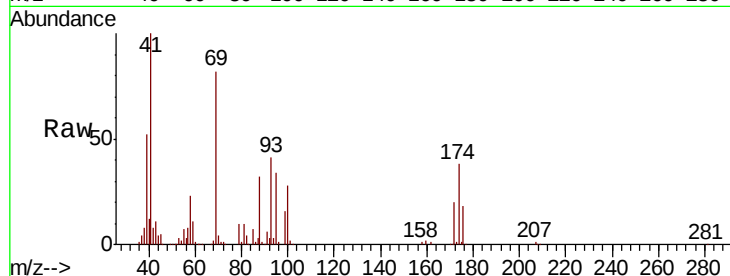
Tot Ion: 88 Resp: 102871

Ion Ratio Lower Upper

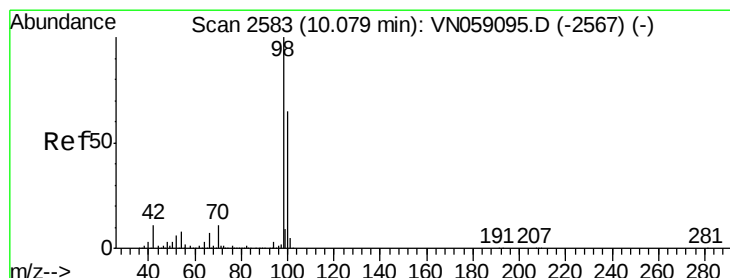
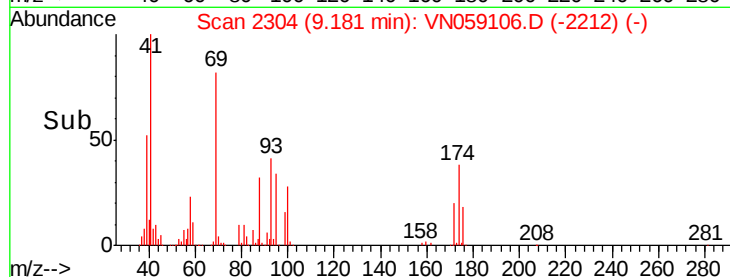
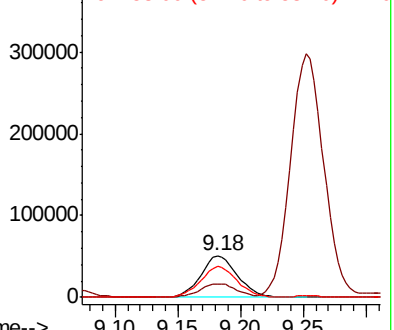
88 100

43 32.3 26.3 39.5

58 73.9 60.6 90.8



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



#50

Toluene-d8

Concen: 49.954 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059106.D

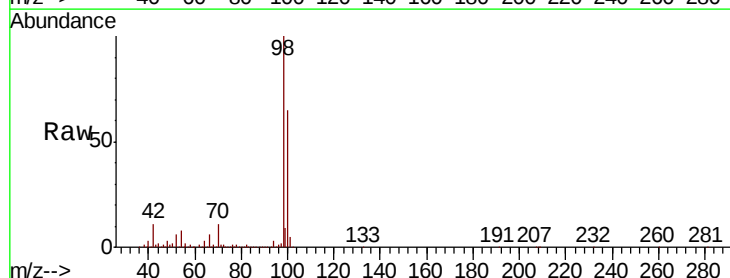
Acq: 6 Nov 2019 15:01

Tgt Ion: 98 Resp: 950286

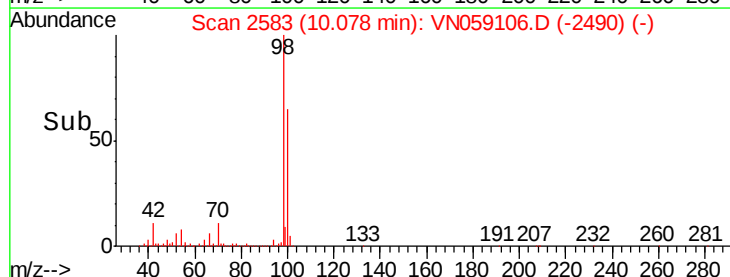
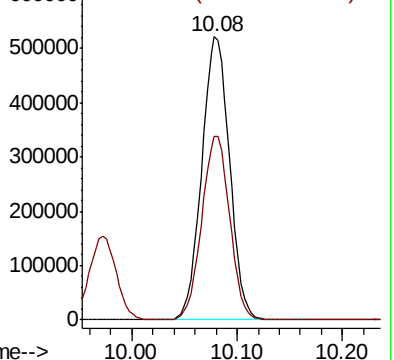
Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 262.684 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

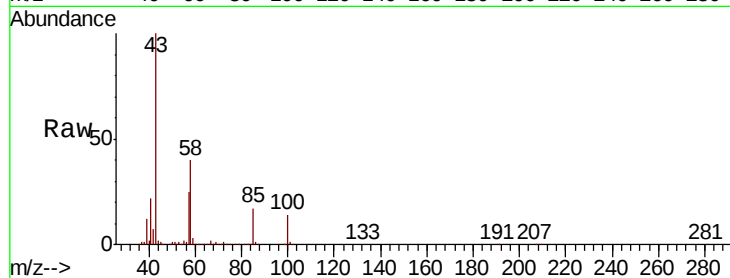
VSTDCCC050EC

Tot Ion: 43 Resp: 1992947

Ion Ratio Lower Upper

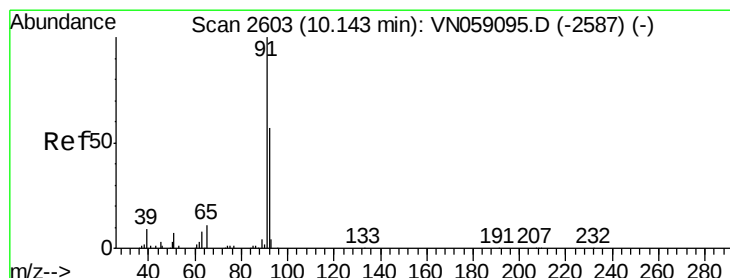
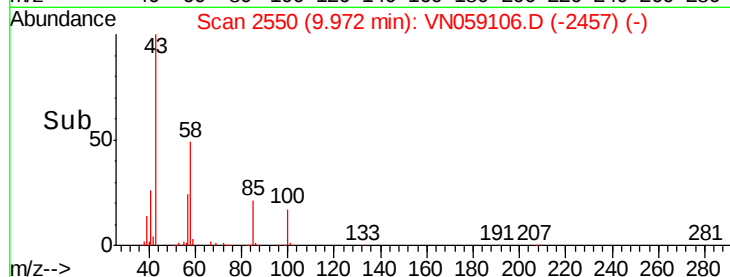
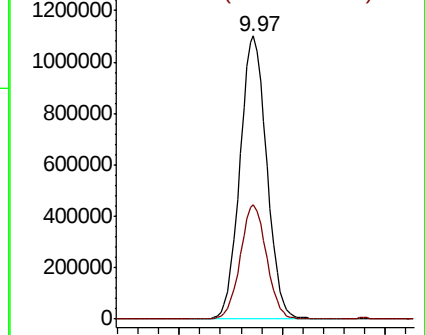
43 100

58 39.6 31.5 47.3



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

Ion 58.00 (57.70 to 58.70): VN059095.D



#52

Toluene

Concen: 49.904 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059106.D

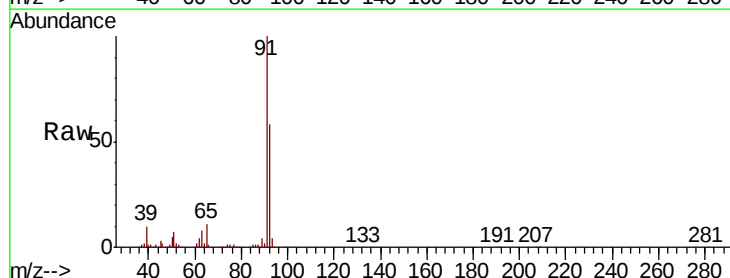
Acq: 6 Nov 2019 15:01

Tgt Ion: 92 Resp: 680972

Ion Ratio Lower Upper

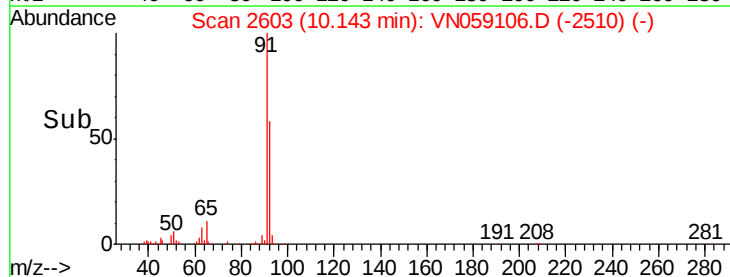
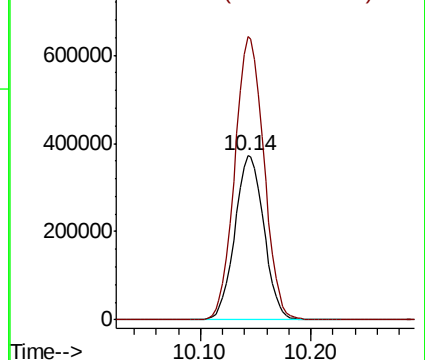
92 100

91 172.9 139.5 209.3



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

Ion 91.00 (90.70 to 91.70): VN059095.D





#53

t-1,3-Dichloropropene

Concen: 49.679 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

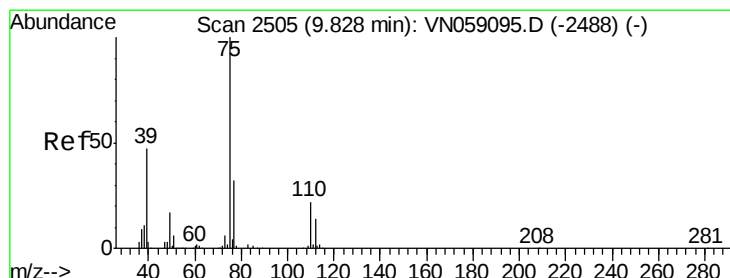
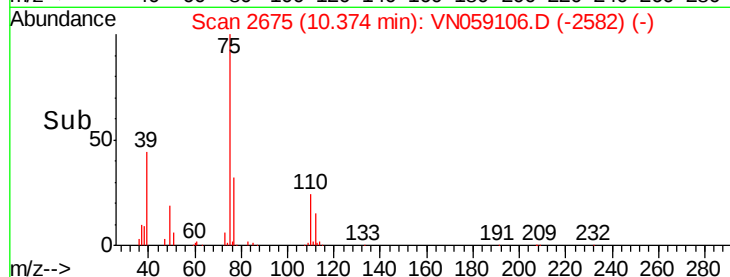
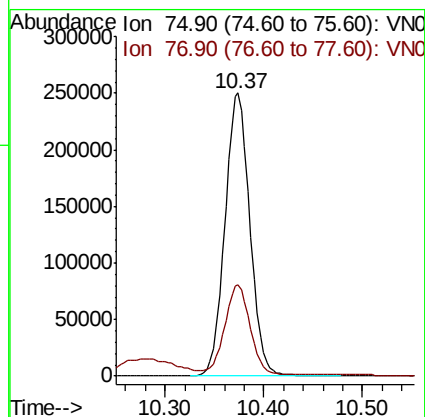
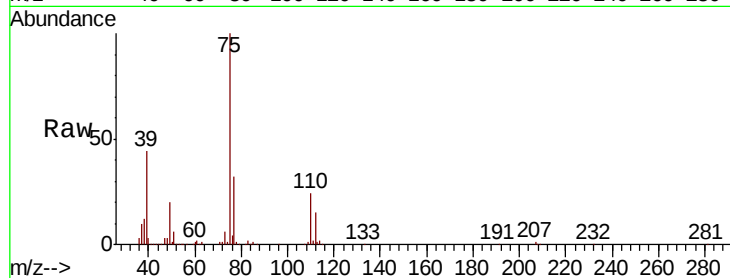
VSTDCCC050EC

Tot Ion: 75 Resp: 441634

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 50.609 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

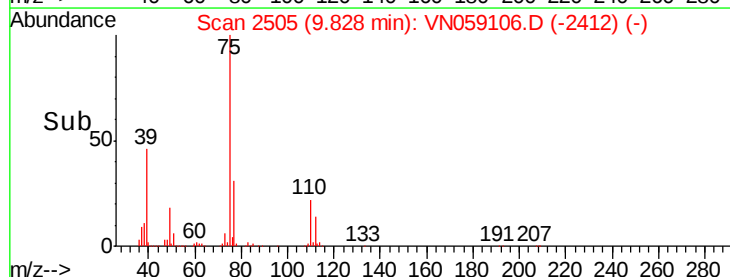
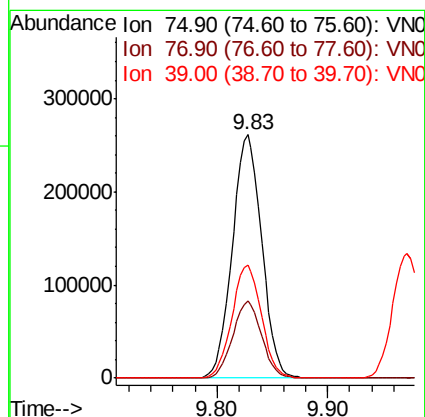
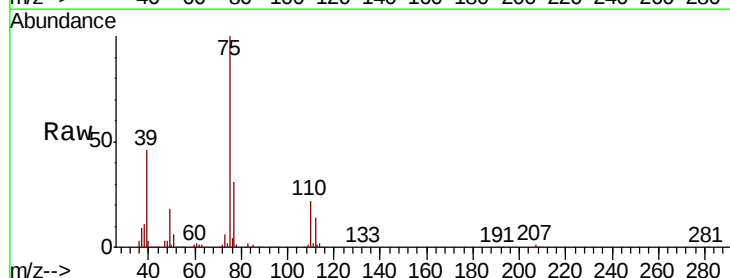
Tgt Ion: 75 Resp: 483957

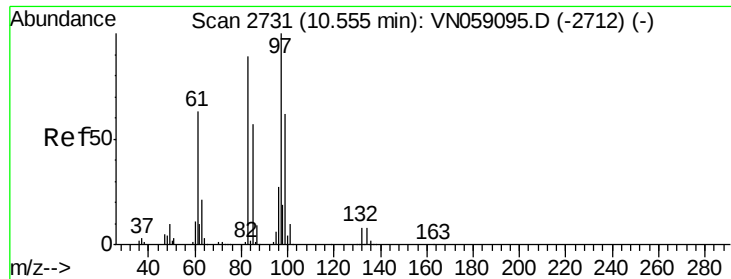
Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

39 46.3 37.3 55.9

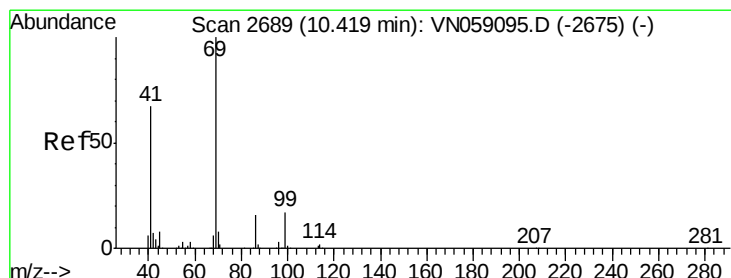
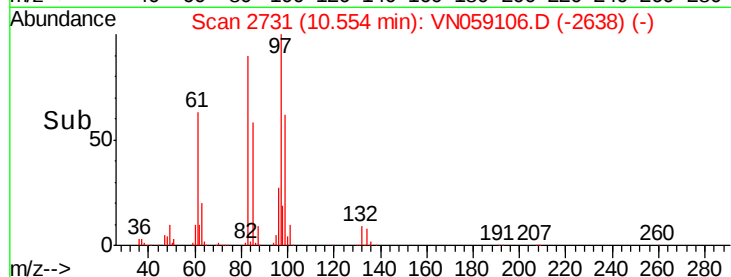
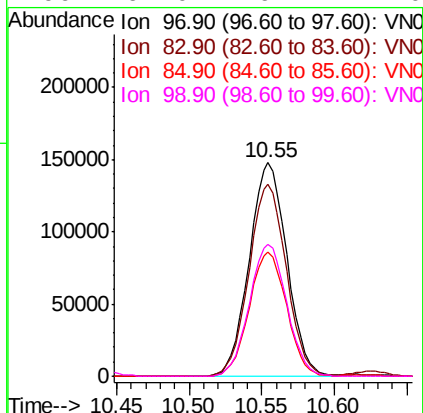
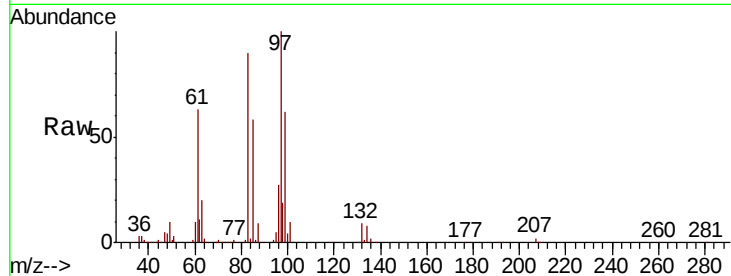




#55
 1,1,2-Trichloroethane
 Concen: 48.400 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

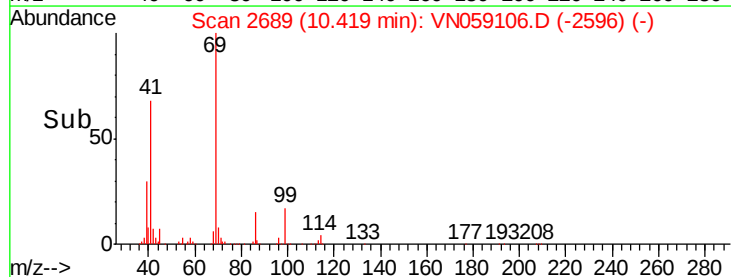
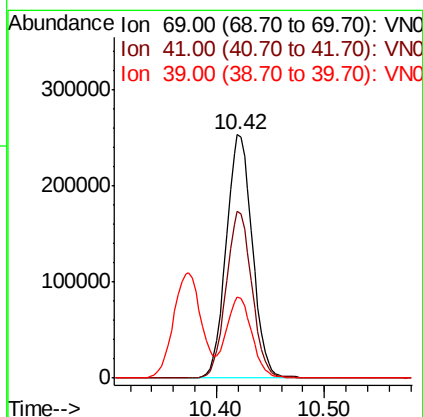
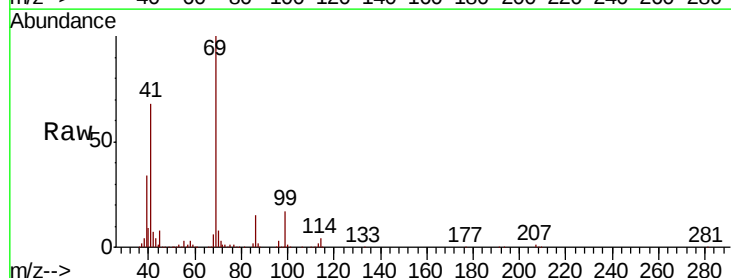
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

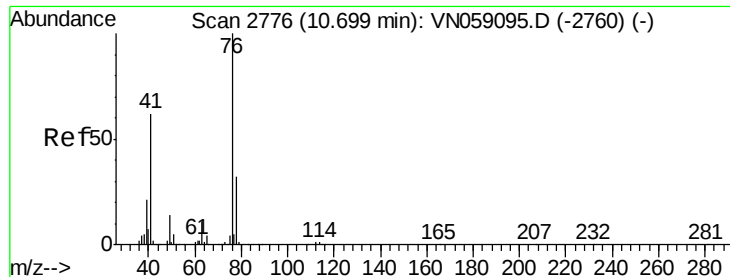
Tot Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.0	106.4
85	58.4	45.8	68.8
99	62.0	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 46.715 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.8	53.6	80.4
39	32.0	26.2	39.4





#57

1,3-Dichloropropane

Concen: 49.379 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

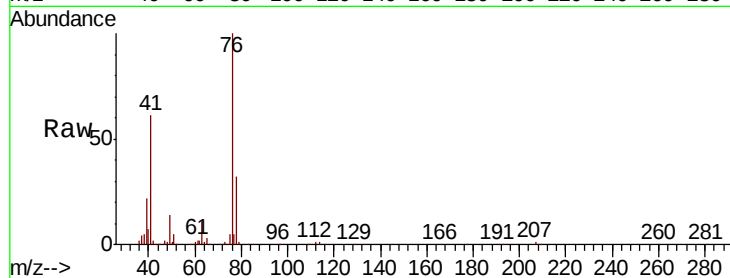
VSTDCCC050EC

Tot Ion: 76 Resp: 469337

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

250000

200000

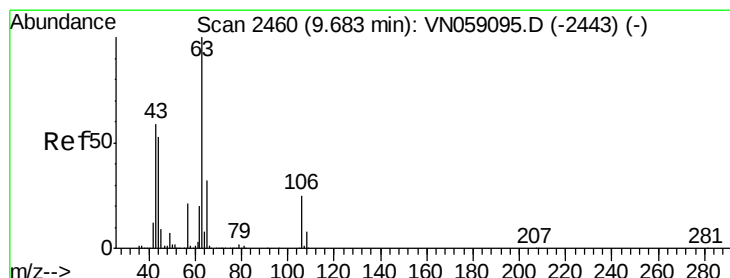
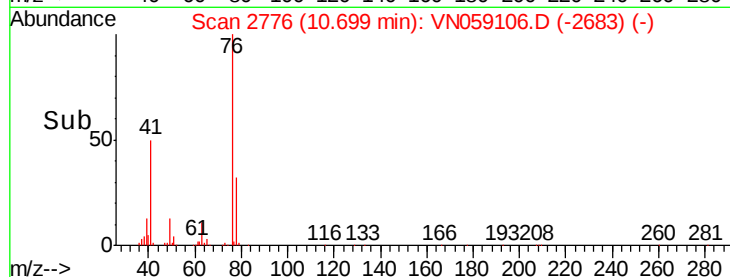
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 217.067 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059106.D

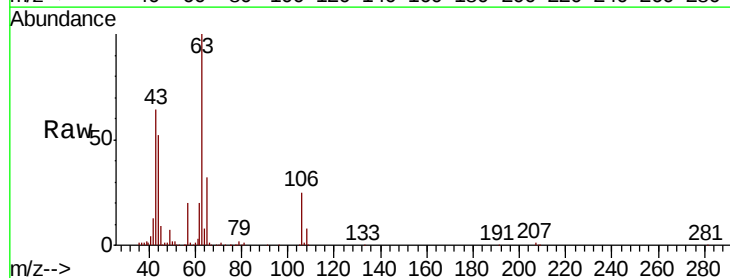
Acq: 6 Nov 2019 15:01

Tgt Ion: 63 Resp: 667134

Ion Ratio Lower Upper

63 100

106 25.2 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

400000

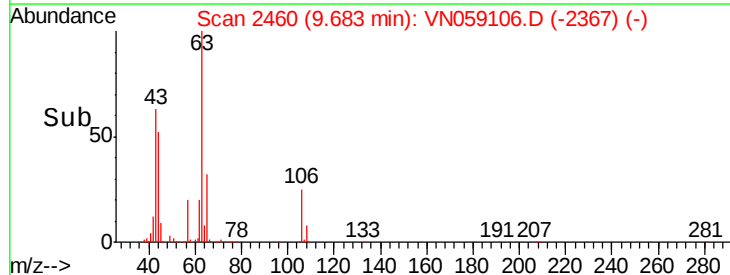
300000

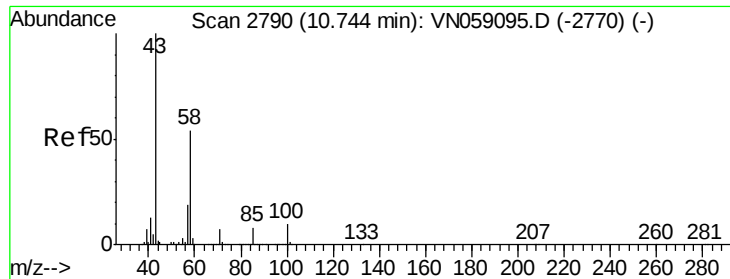
200000

100000

0

Time-->

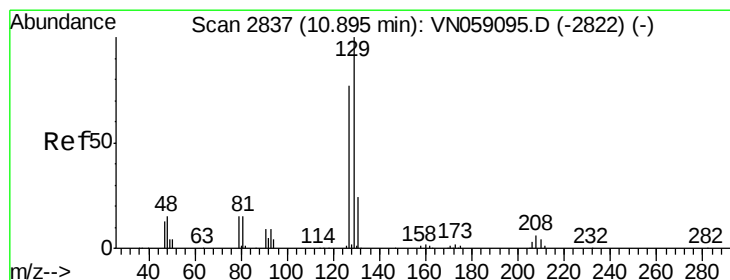
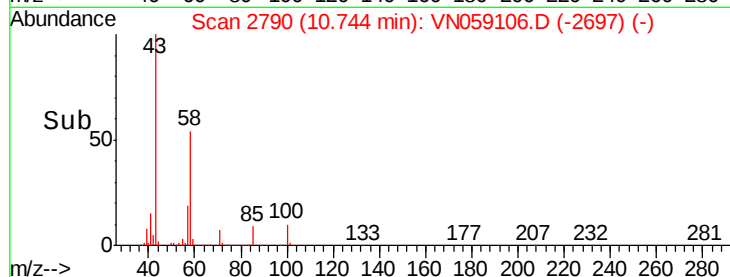
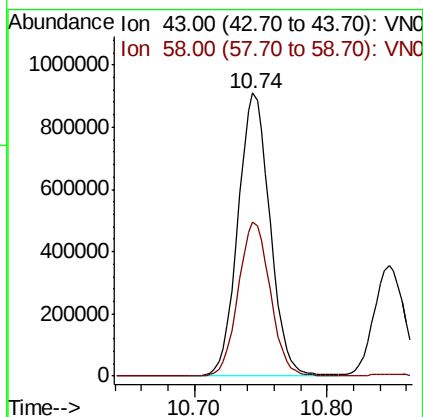
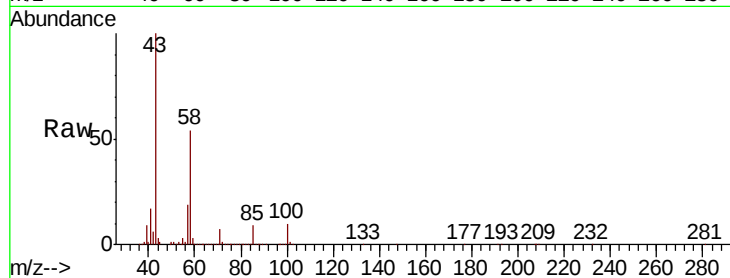




#59
2-Hexanone
Concen: 261.274 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

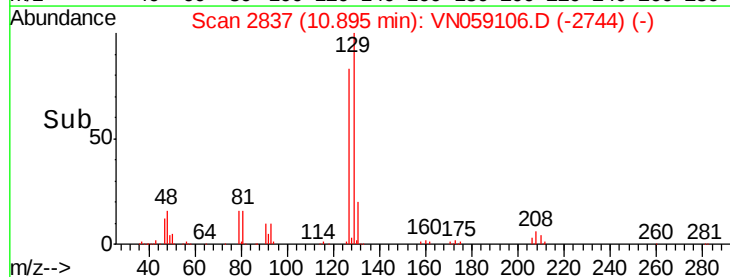
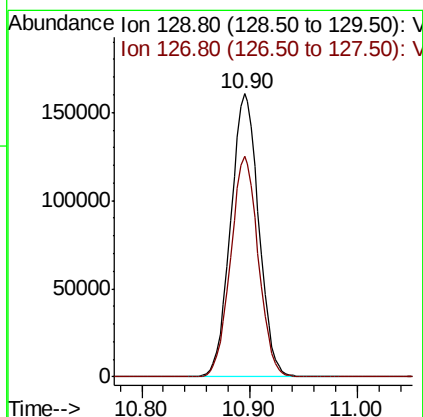
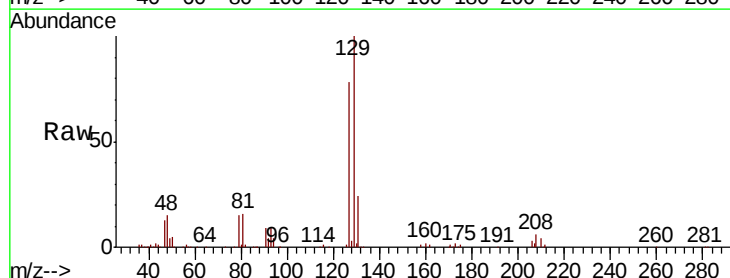
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

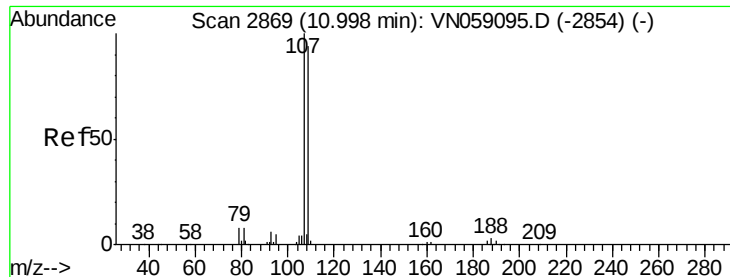
Tot Ion: 43 Resp: 1521470
Ion Ratio Lower Upper
43 100
58 54.8 27.3 81.8



#60
Dibromochloromethane
Concen: 49.837 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion: 129 Resp: 290989
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8

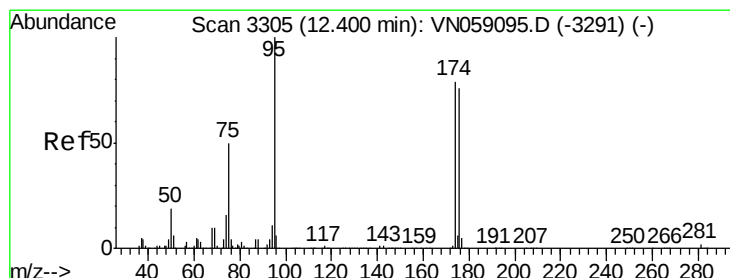
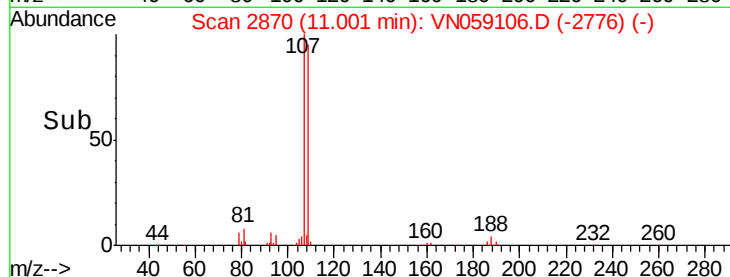
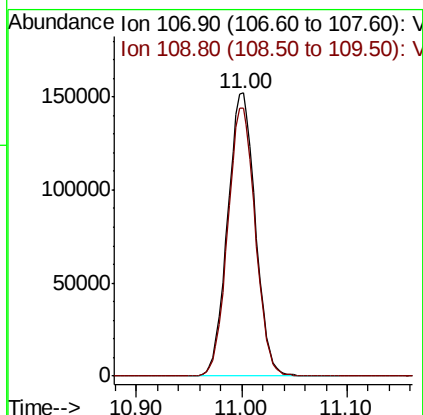
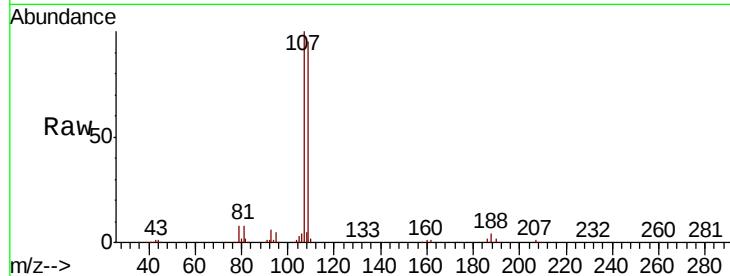




#61
 1,2-Dibromoethane
 Concen: 49.461 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

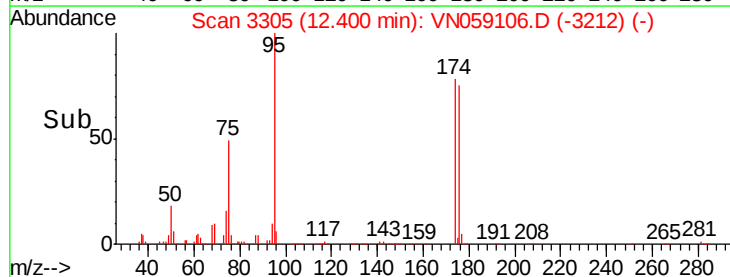
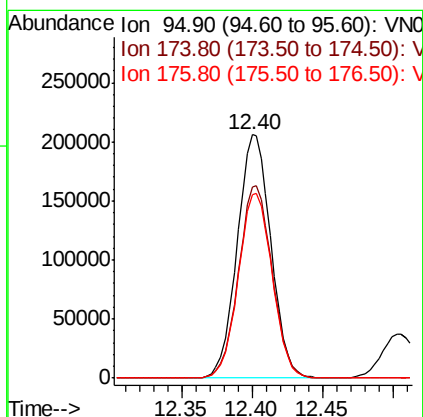
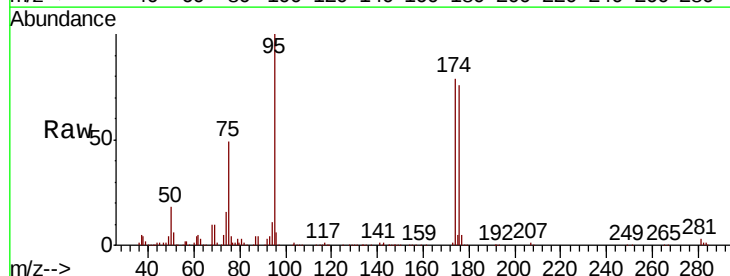
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

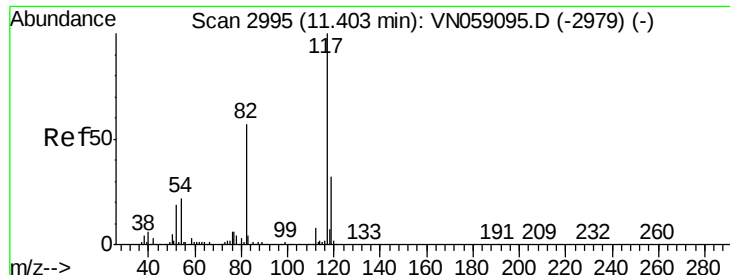
Tot Ion:107 Resp: 276511
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 50.159 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

Tgt Ion: 95 Resp: 344039
 Ion Ratio Lower Upper
 95 100
 174 79.3 0.0 158.2
 176 76.5 0.0 151.8

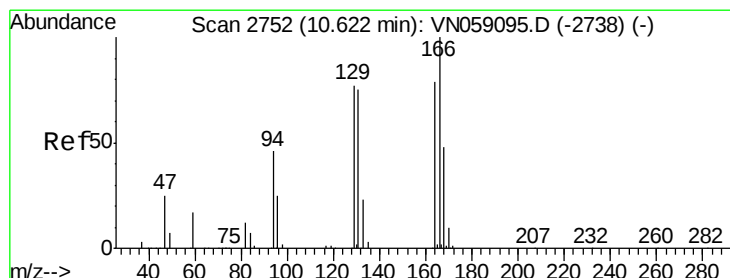
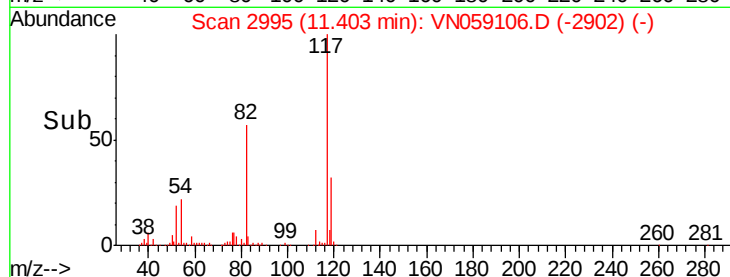
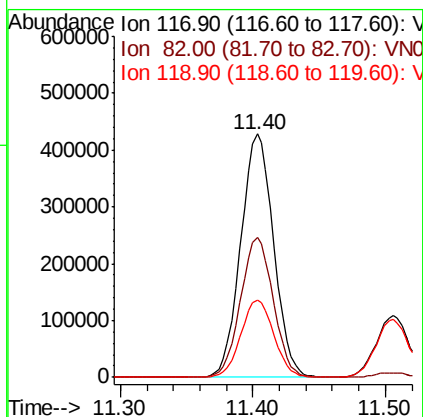
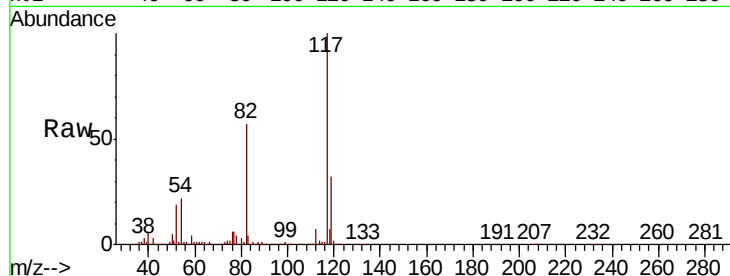




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

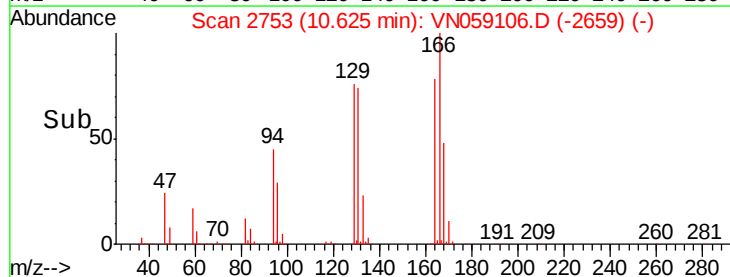
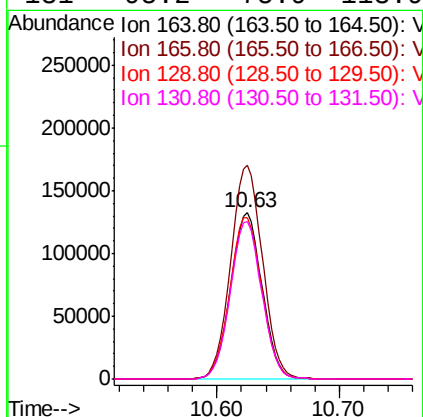
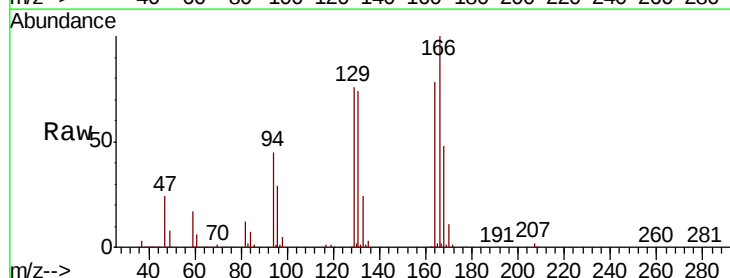
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

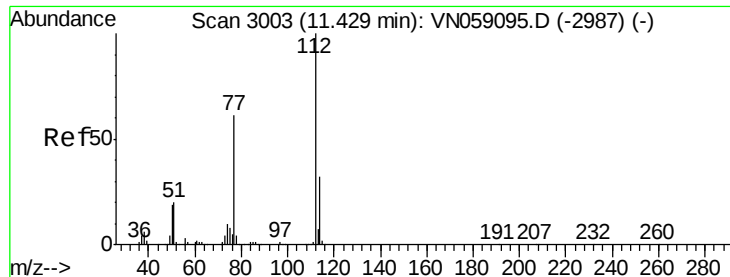
Tot Ion:117 Resp: 736728
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.8
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 47.499 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion:164 Resp: 237951
Ion Ratio Lower Upper
164 100
166 128.6 101.5 152.3
129 97.2 78.3 117.5
131 95.2 75.9 113.9

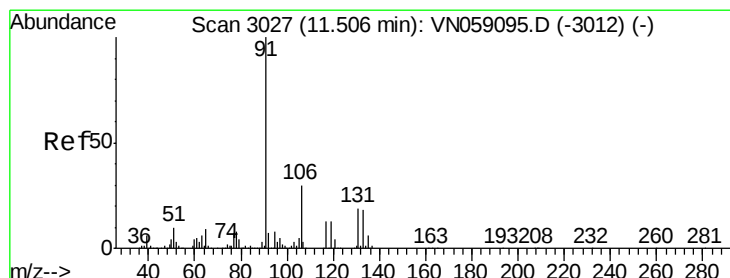
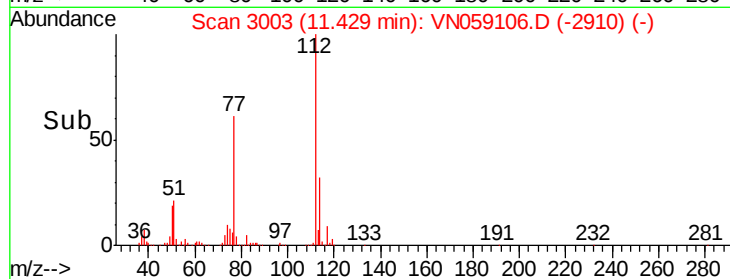
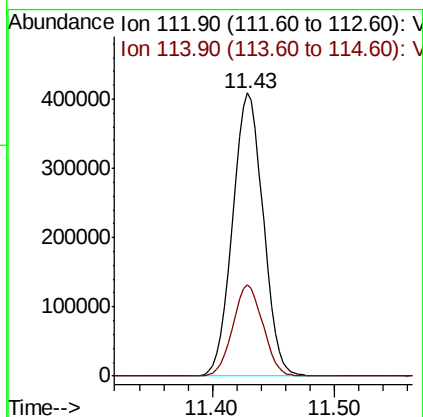
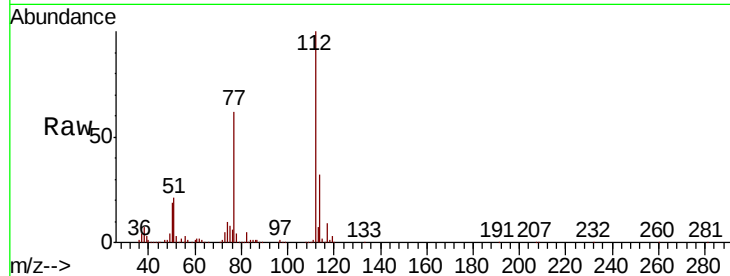




#65
Chlorobenzene
Concen: 49.570 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

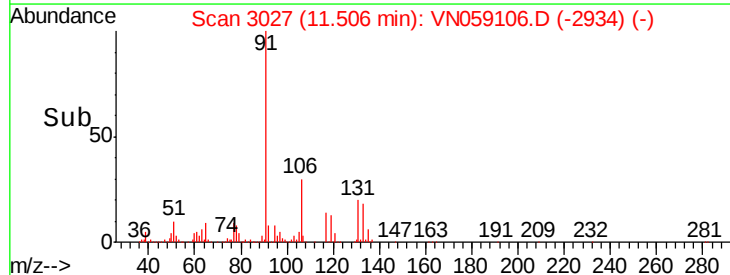
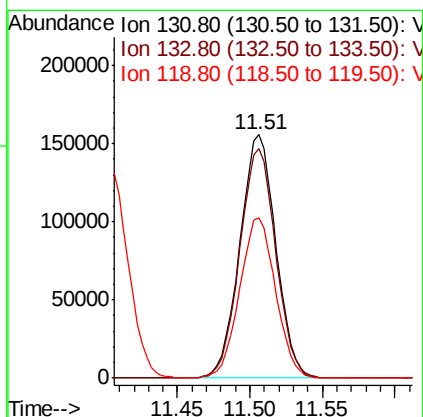
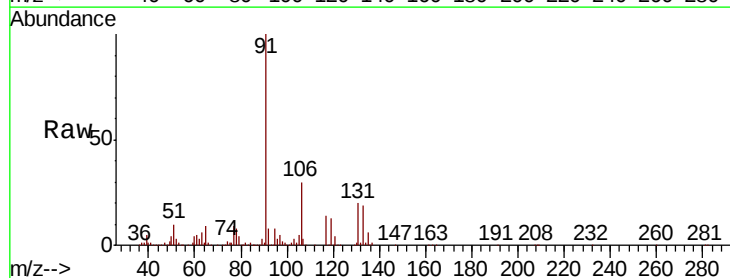
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

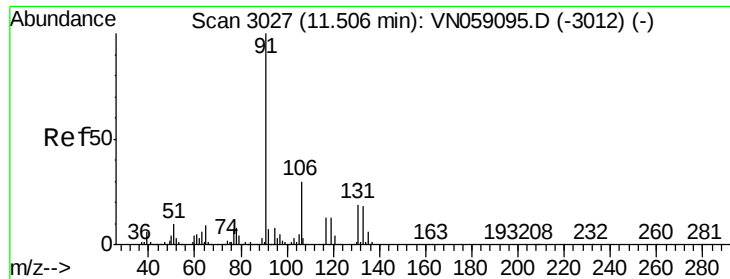
Tot Ion:112 Resp: 711916
Ion Ratio Lower Upper
112 100
114 32.2 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.836 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion:131 Resp: 268488
Ion Ratio Lower Upper
131 100
133 95.0 47.4 142.3
119 66.0 33.2 99.6





#67

Ethyl Benzene

Concen: 51.627 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

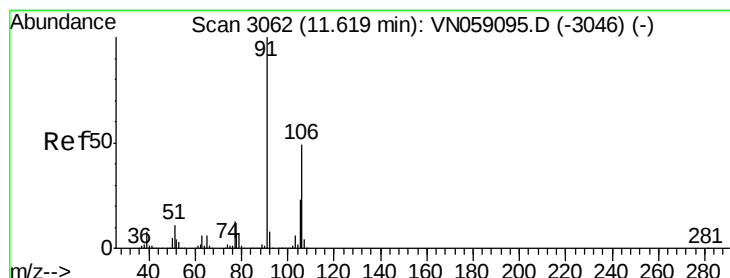
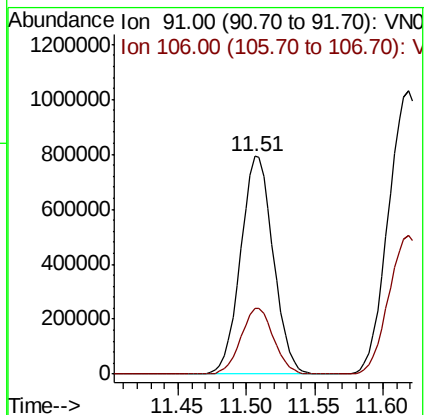
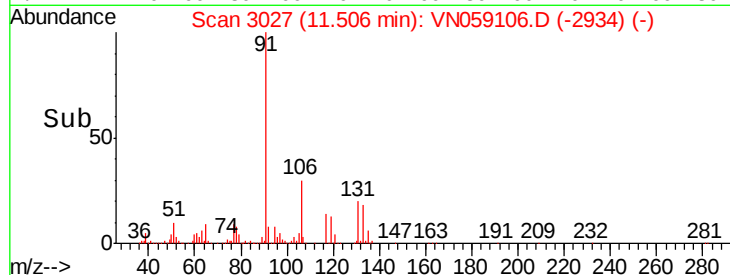
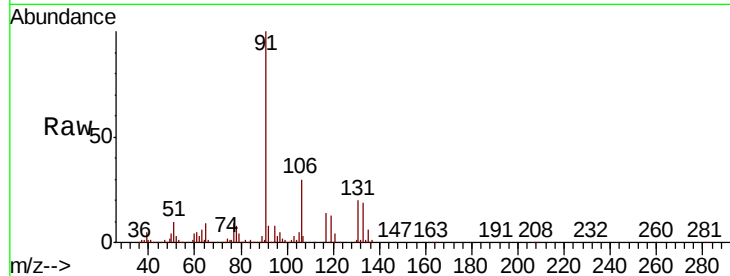
VSTDCCC050EC

Tot Ion: 91 Resp: 1315496

Ion Ratio Lower Upper

91 100

106 30.1 24.1 36.1



#68

m/p-Xylenes

Concen: 102.201 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059106.D

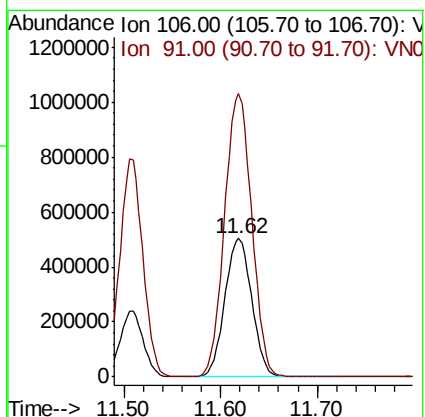
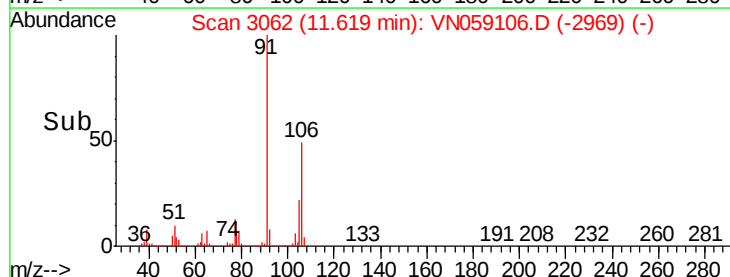
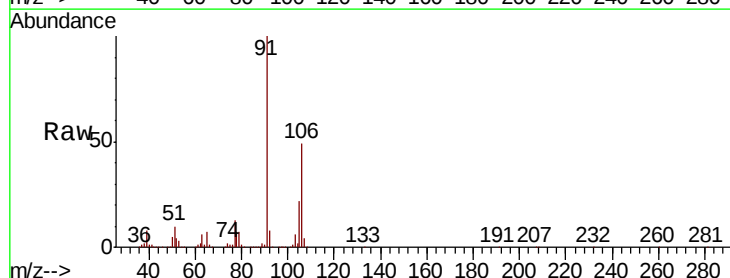
Acq: 6 Nov 2019 15:01

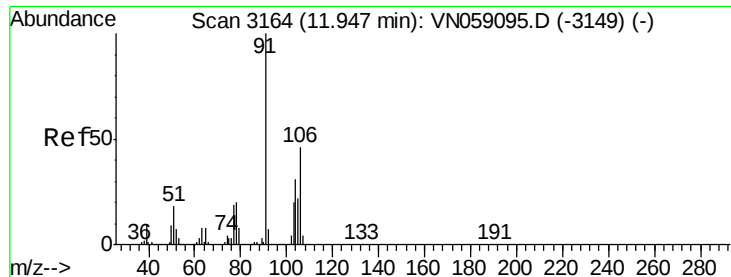
Tgt Ion: 106 Resp: 975495

Ion Ratio Lower Upper

106 100

91 205.7 164.7 247.1

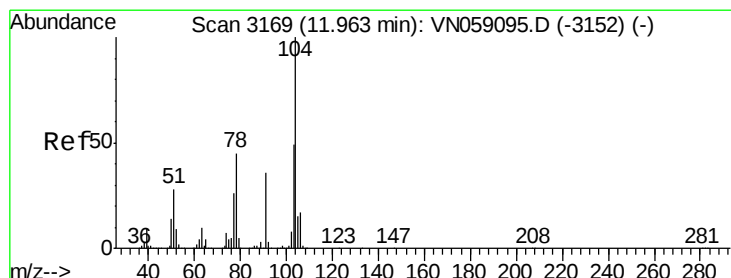
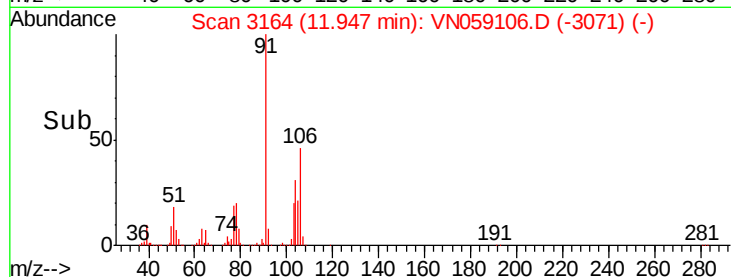
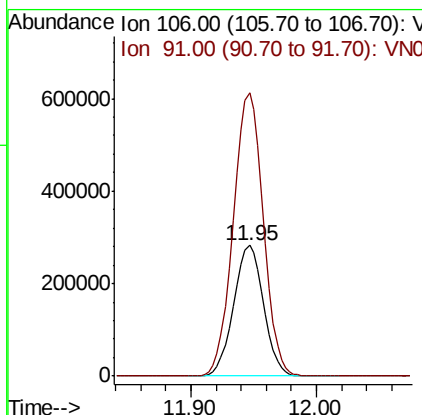
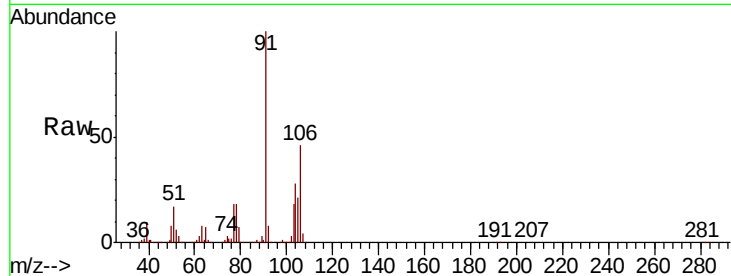




#69
o-Xylene
Concen: 50.683 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

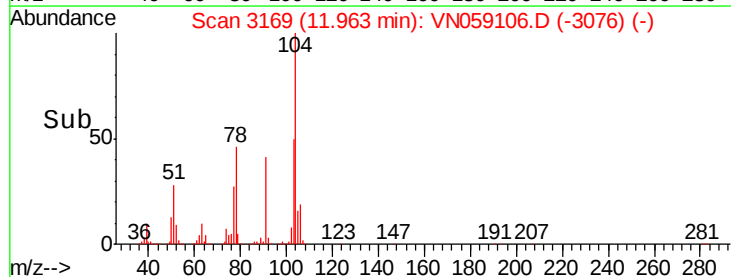
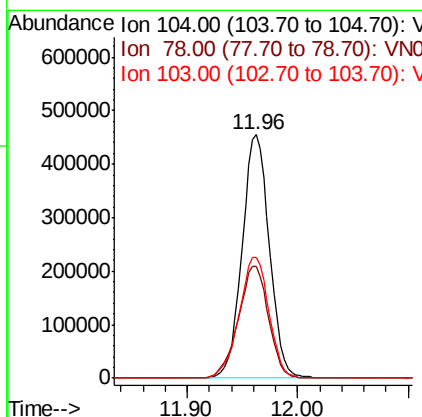
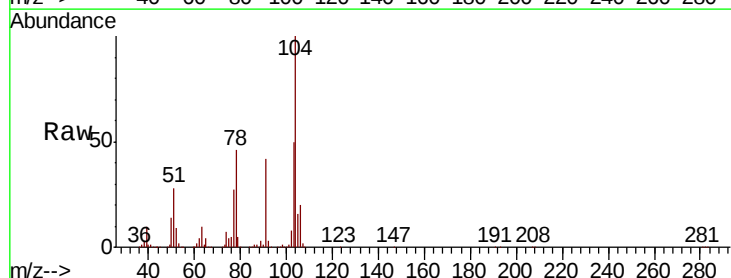
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

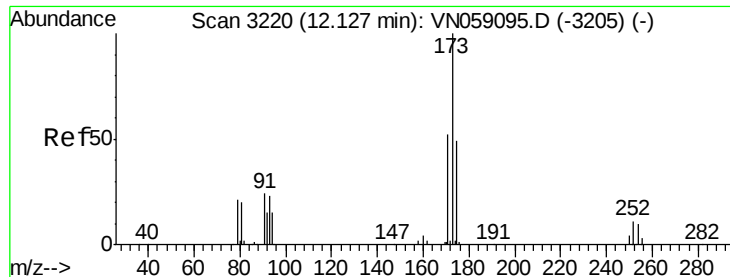
Tot Ion:106 Resp: 467506
Ion Ratio Lower Upper
106 100
91 217.8 110.1 330.3



#70
Styrene
Concen: 53.531 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion:104 Resp: 776579
Ion Ratio Lower Upper
104 100
78 51.0 41.2 61.8
103 54.4 43.8 65.6





#71

Bromoform

Concen: 50.418 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

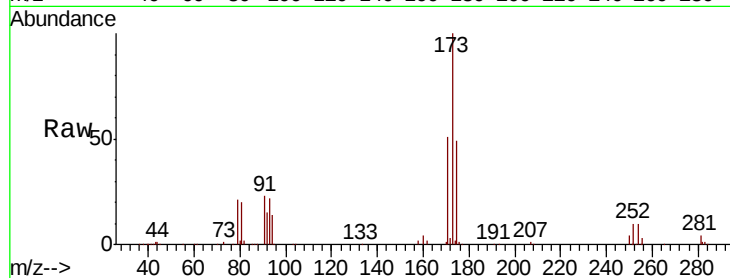
Tot Ion:173 Resp: 211280

Ion Ratio Lower Upper

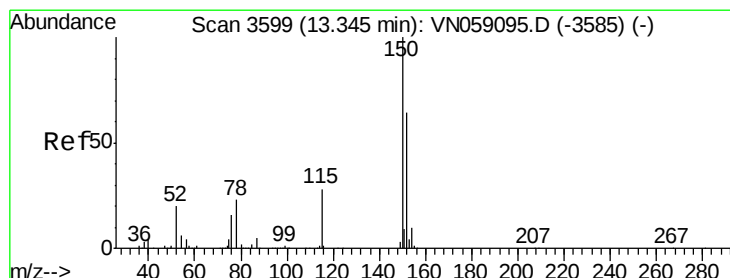
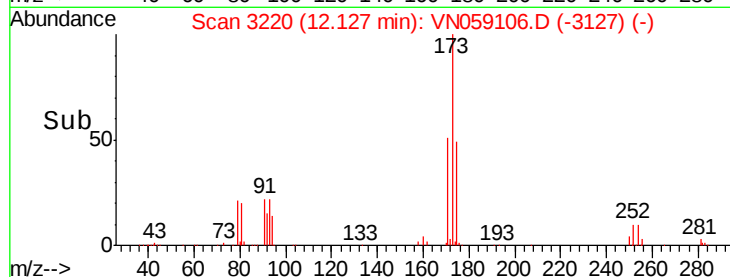
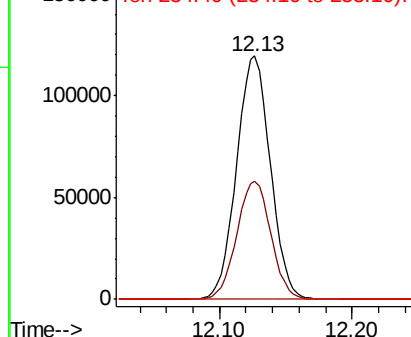
173 100

175 49.0 24.2 72.6

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

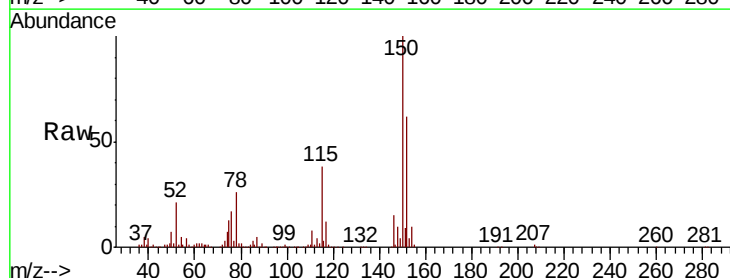
Tgt Ion:152 Resp: 350013

Ion Ratio Lower Upper

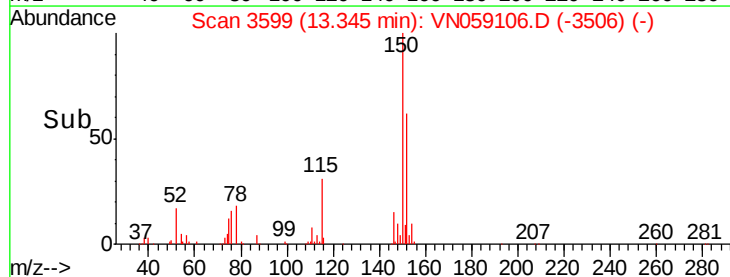
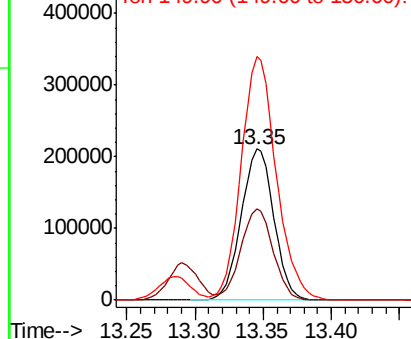
152 100

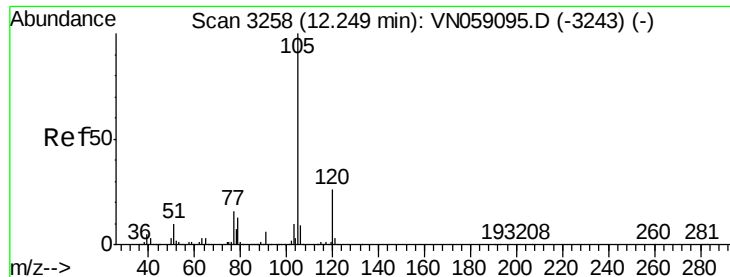
115 59.4 29.4 88.2

150 173.1 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.628 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

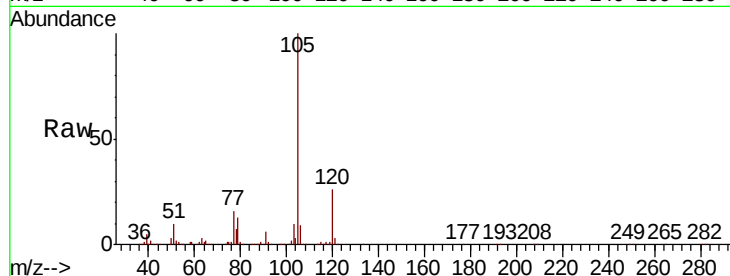
VSTDCCC050EC

Tot Ion:105 Resp: 1263530

Ion Ratio Lower Upper

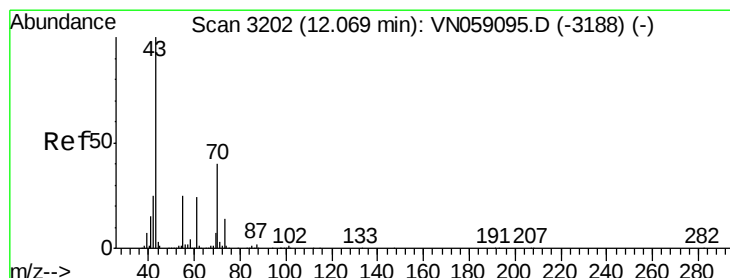
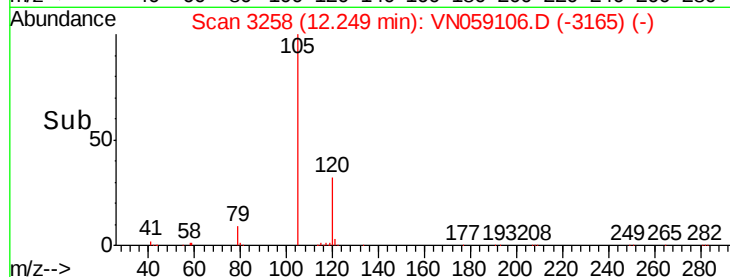
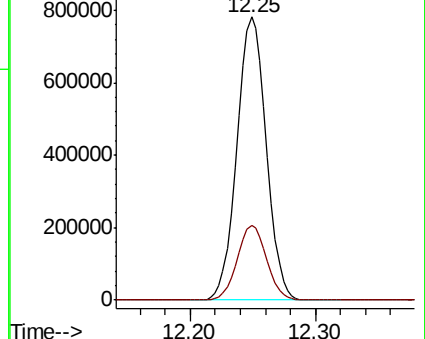
105 100

120 26.3 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.223 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Tgt Ion: 43 Resp: 541823

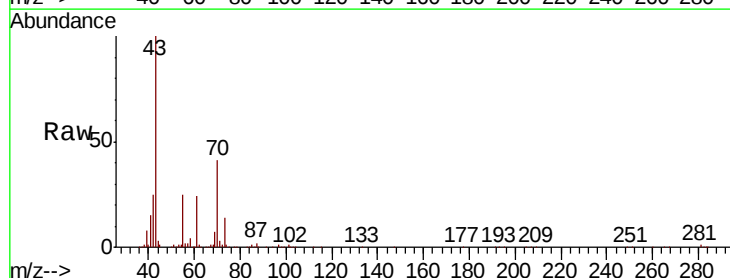
Ion Ratio Lower Upper

43 100

70 41.3 32.2 48.4

55 25.3 20.4 30.6

61 24.3 19.3 28.9

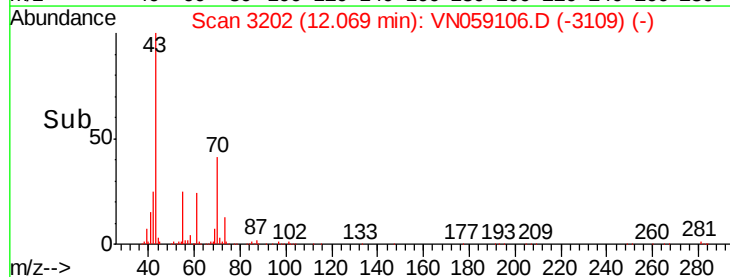
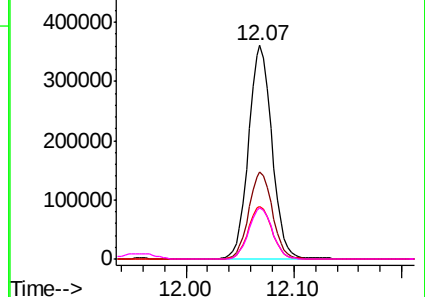


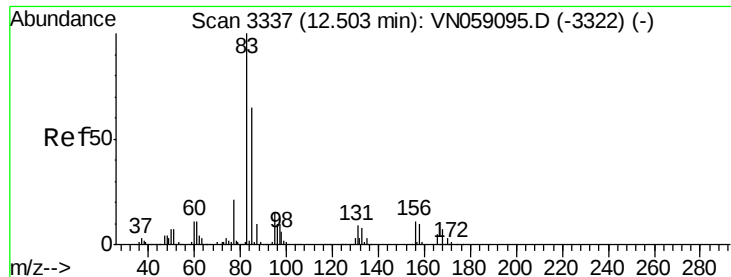
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.014 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

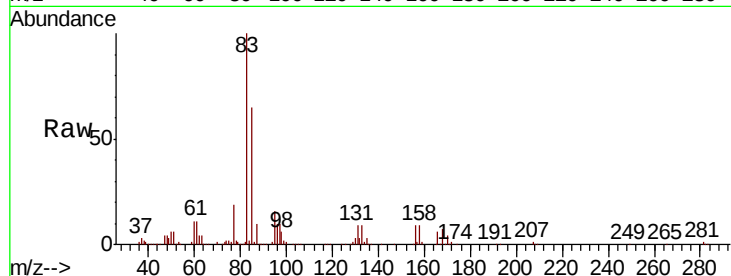
Tot Ion: 83 Resp: 407625

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

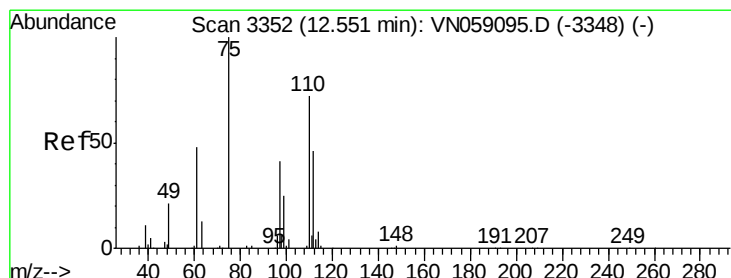
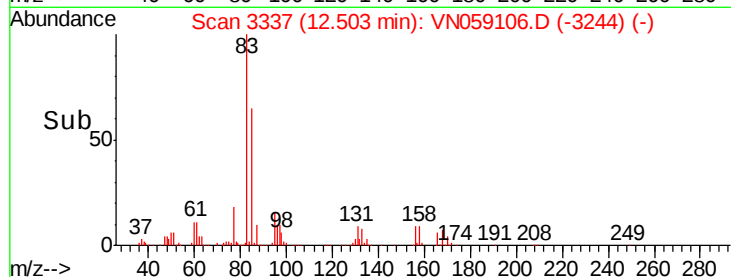
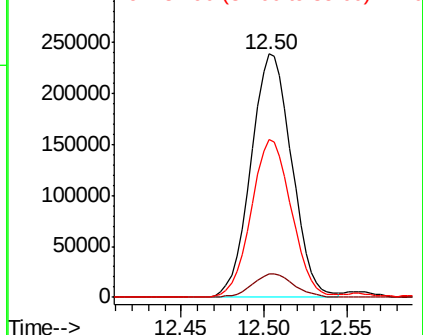
85 64.0 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059106.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059106.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059106.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 68.706 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059106.D

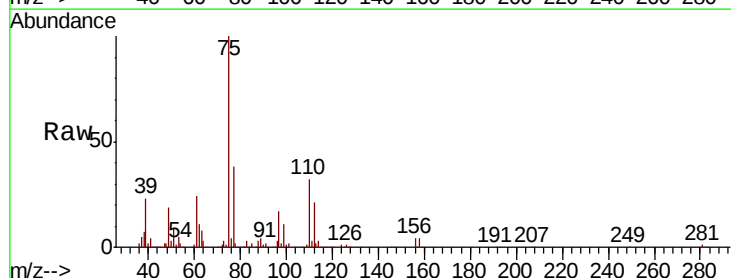
Acq: 6 Nov 2019 15:01

Tgt Ion: 75 Resp: 547493

Ion Ratio Lower Upper

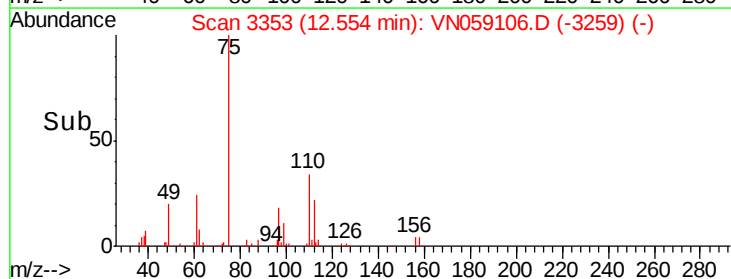
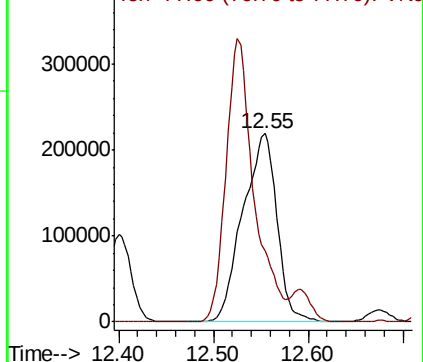
75 100

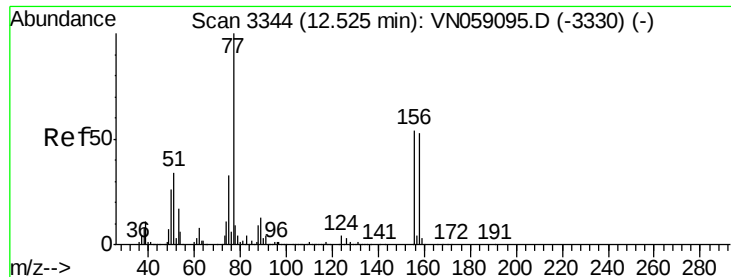
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059106.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059106.D (-3259) (-)





#77

Bromobenzene

Concen: 47.032 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

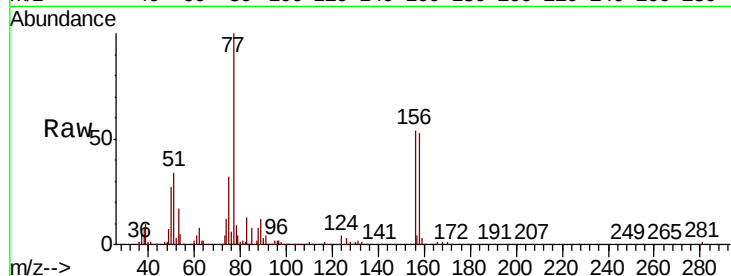
Tot Ion:156 Resp: 300848

Ion Ratio Lower Upper

156 100

77 226.0 112.8 338.3

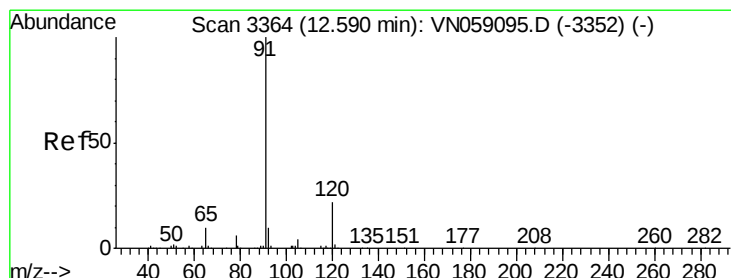
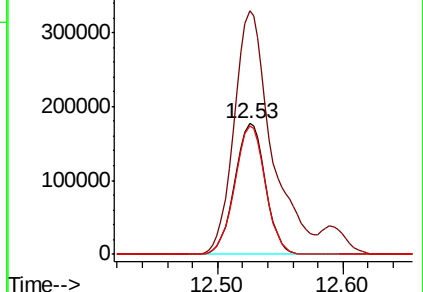
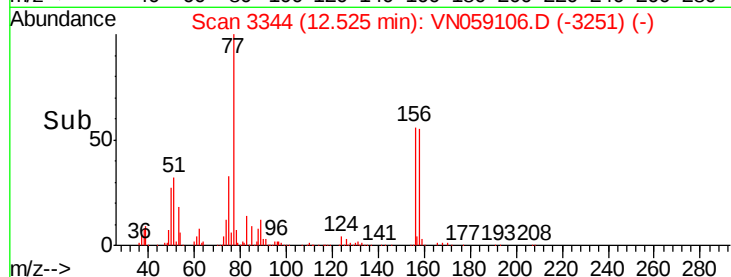
158 97.8 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.395 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059106.D

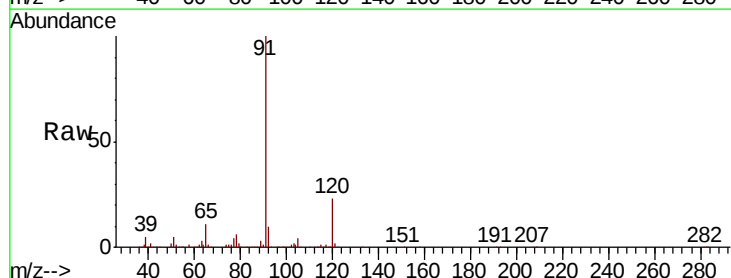
Acq: 6 Nov 2019 15:01

Tgt Ion: 91 Resp: 1498265

Ion Ratio Lower Upper

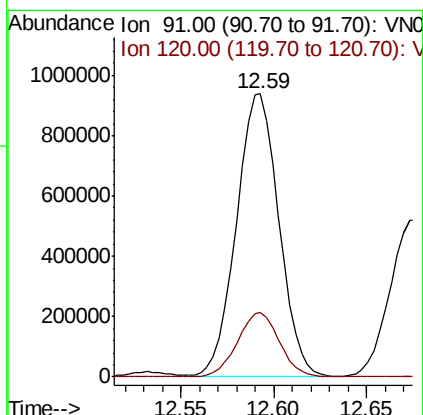
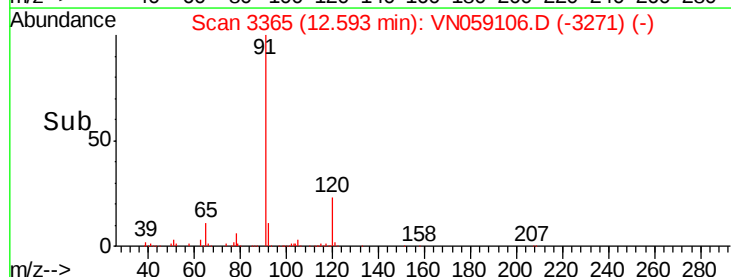
91 100

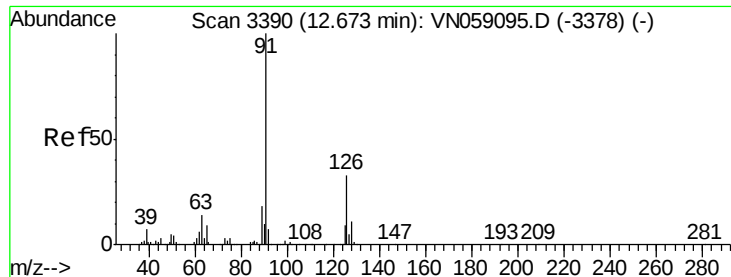
120 22.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.576 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

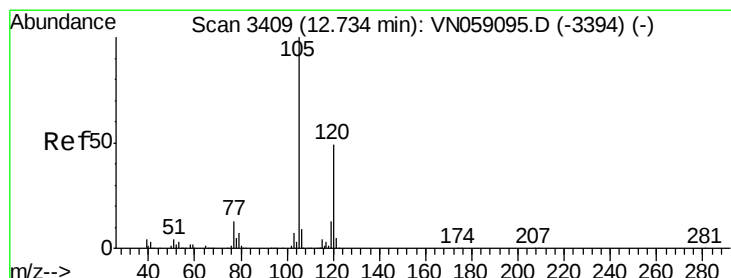
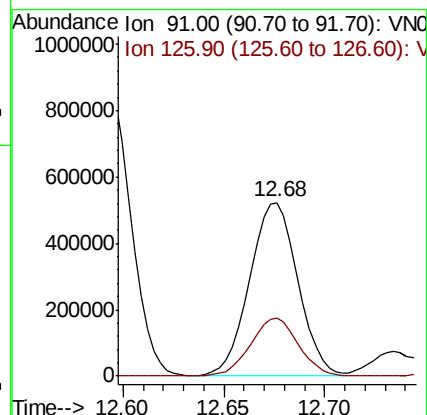
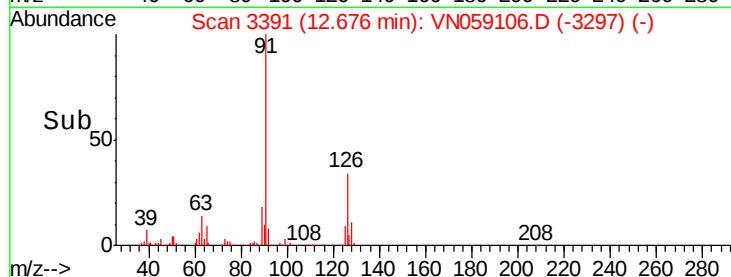
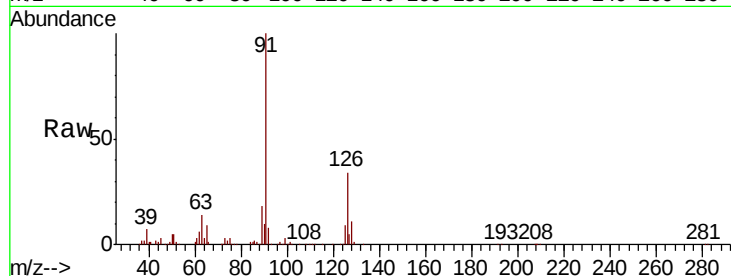
VSTDCCC050EC

Tot Ion: 91 Resp: 878459

Ion Ratio Lower Upper

91 100

126 33.0 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 50.146 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059106.D

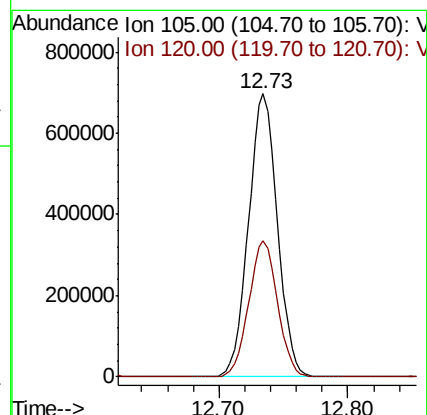
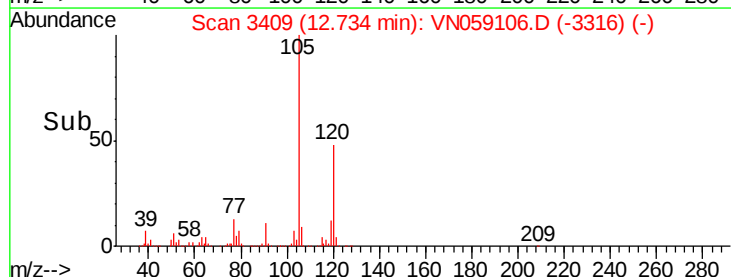
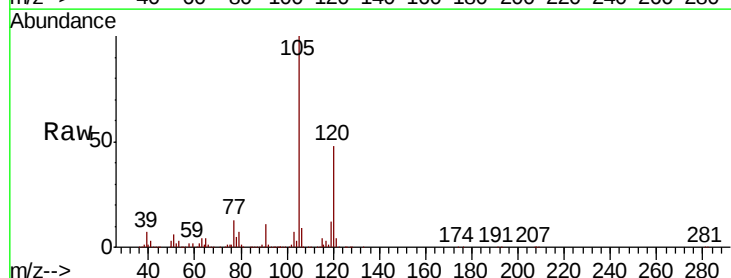
Acq: 6 Nov 2019 15:01

Tgt Ion: 105 Resp: 1081838

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.634 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

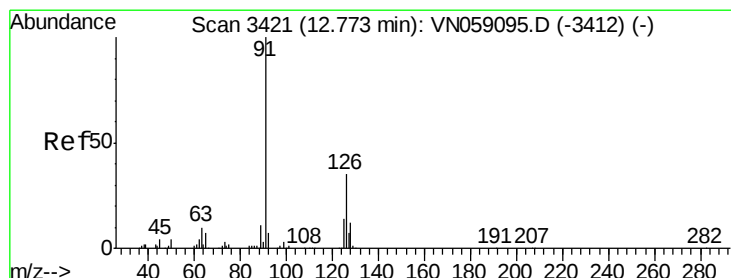
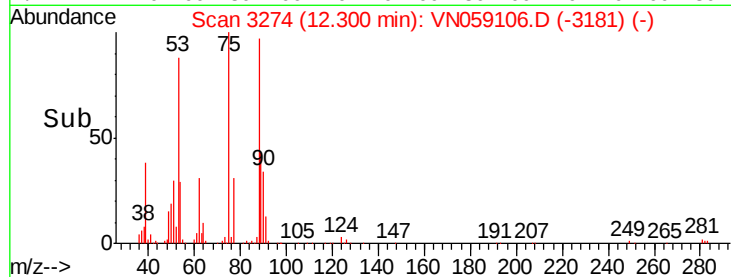
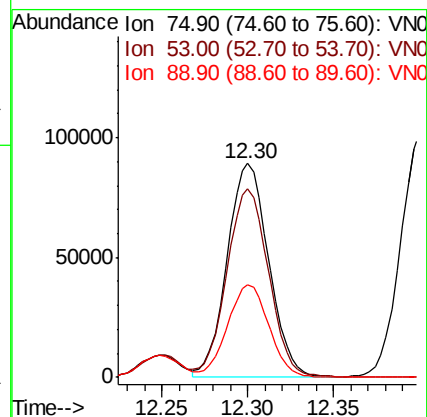
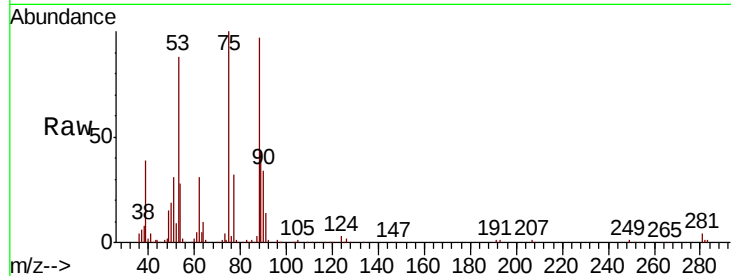
Tot Ion: 75 Resp: 149745

Ion Ratio Lower Upper

75 100

53 88.5 72.2 108.2

89 43.2 35.8 53.8



#82

4-Chlorotoluene

Concen: 49.811 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059106.D

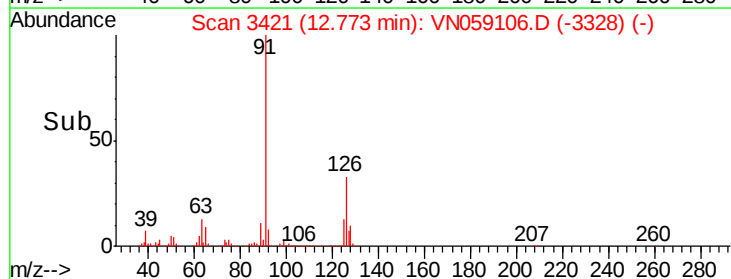
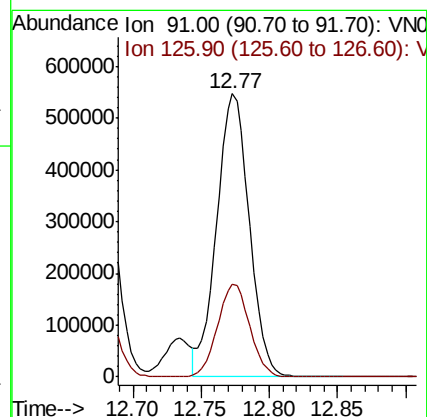
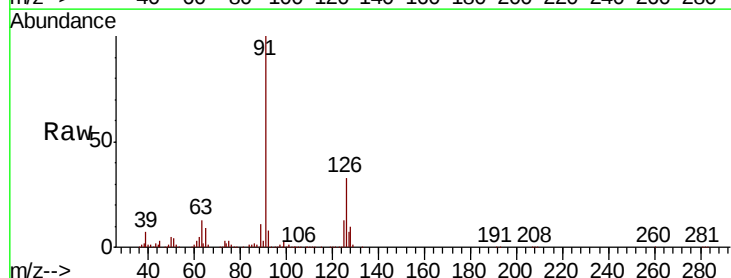
Acq: 6 Nov 2019 15:01

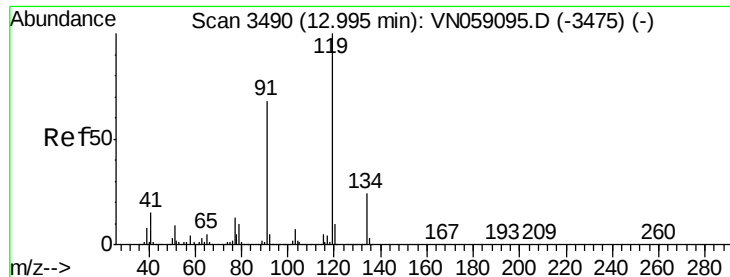
Tgt Ion: 91 Resp: 903488

Ion Ratio Lower Upper

91 100

126 32.4 16.1 48.2

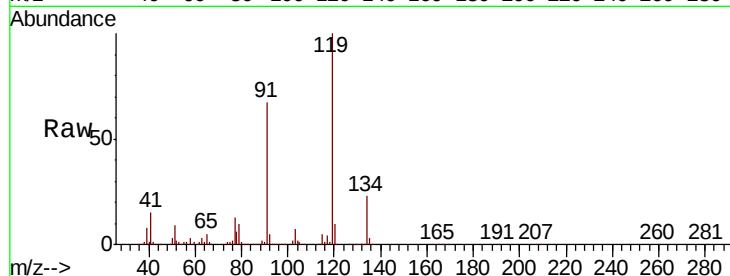




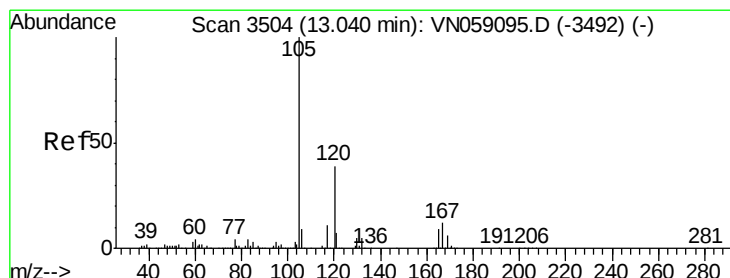
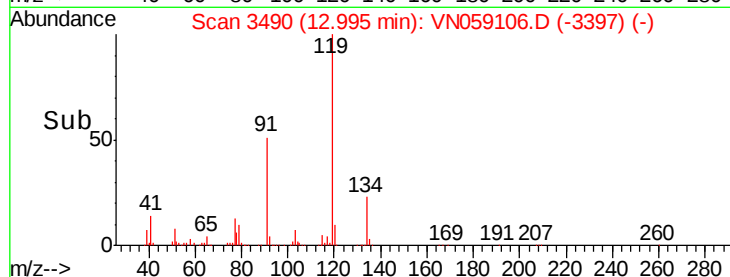
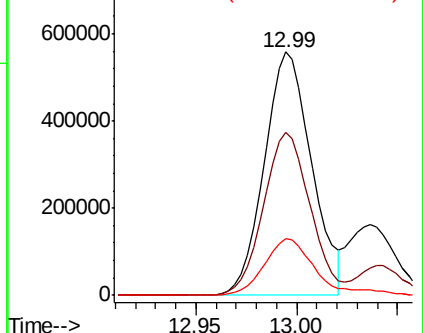
#83
tert-Butylbenzene
Concen: 48.844 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 909987
Ion Ratio Lower Upper
119 100
91 66.0 33.2 99.6
134 25.3 12.7 38.1

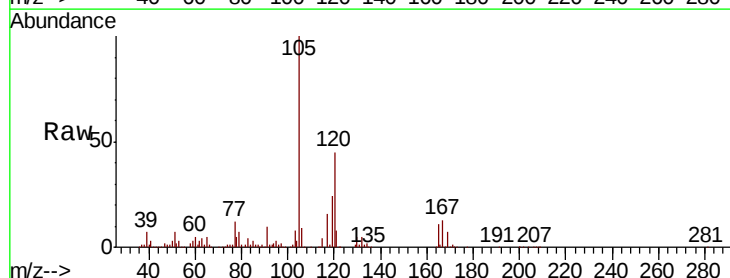


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

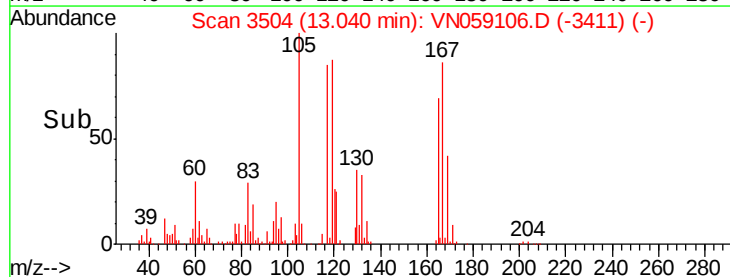
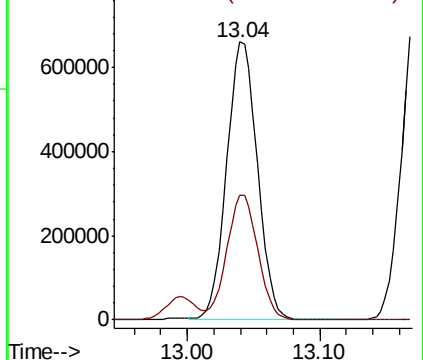


#84
1,2,4-Trimethylbenzene
Concen: 50.862 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion:105 Resp: 1061606
Ion Ratio Lower Upper
105 100
120 45.2 22.8 68.4



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





#85

sec-Butylbenzene

Concen: 50.971 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

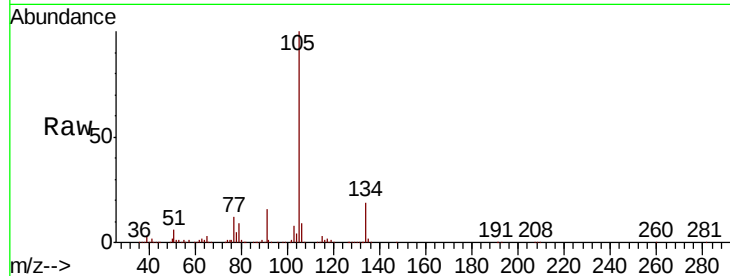
VSTDCCC050EC

Tot Ion:105 Resp: 1235018

Ion Ratio Lower Upper

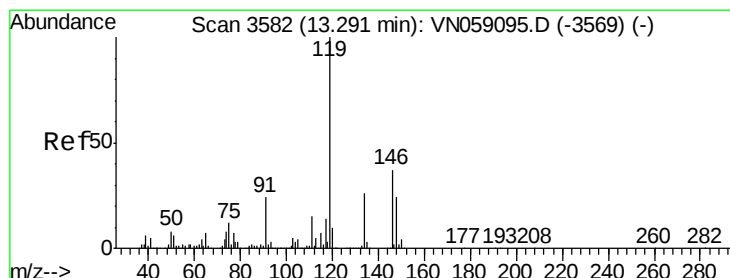
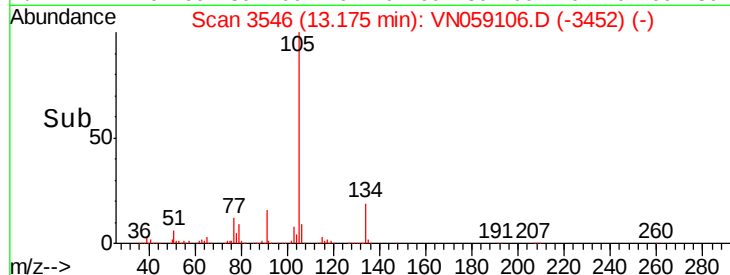
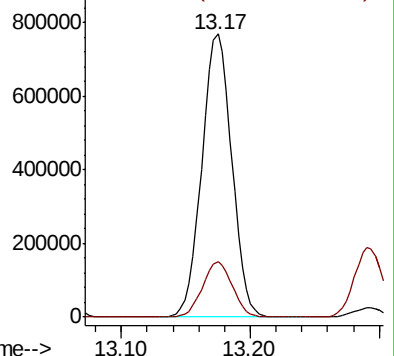
105 100

134 19.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.231 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

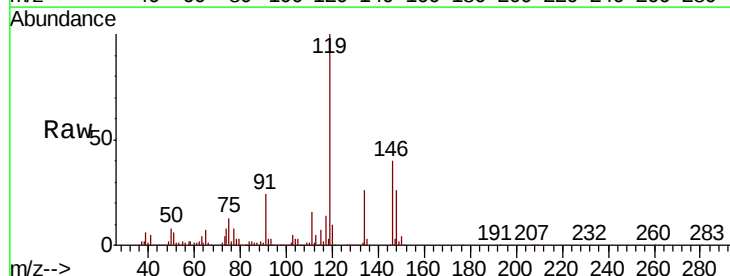
Tgt Ion:119 Resp: 1117435

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

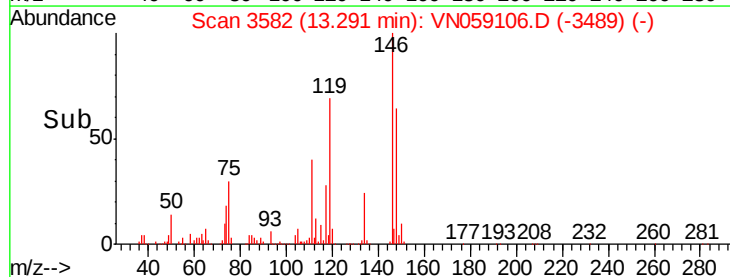
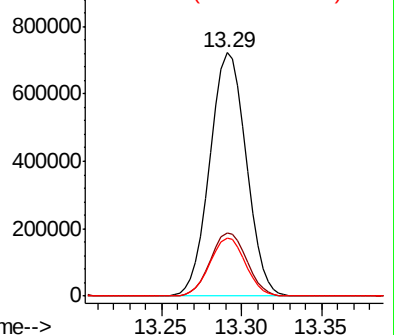
91 23.4 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.376 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

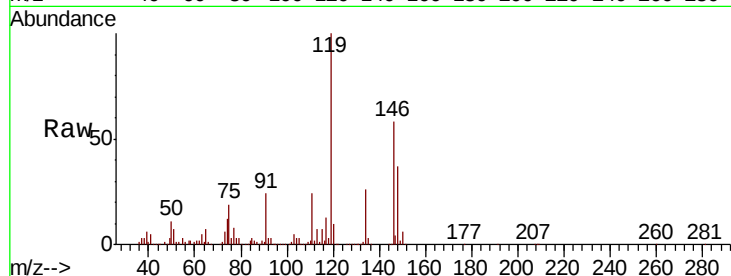
Tot Ion:146 Resp: 540851

Ion Ratio Lower Upper

146 100

111 40.9 20.4 61.3

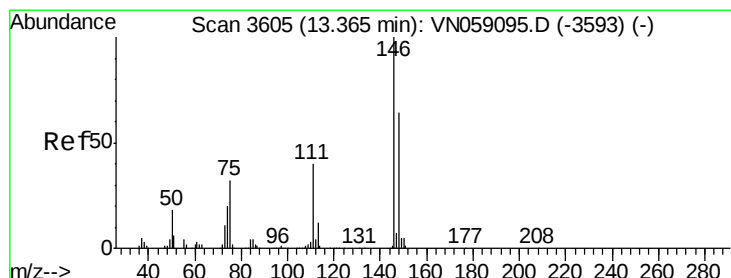
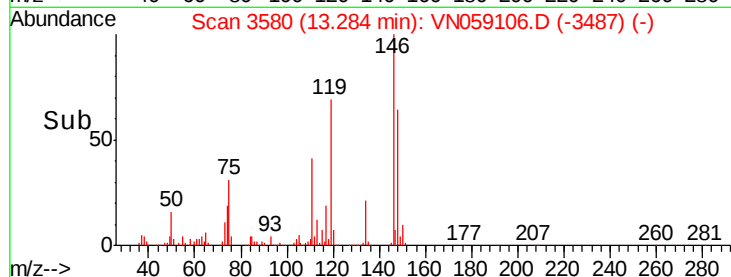
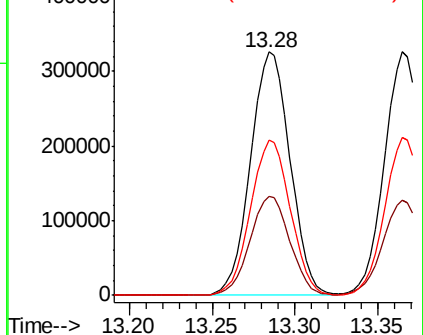
148 64.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.328 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

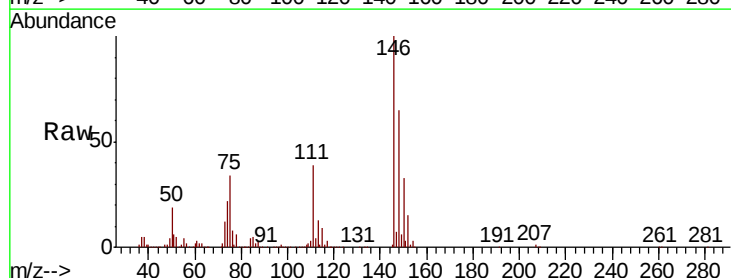
Tgt Ion:146 Resp: 529646

Ion Ratio Lower Upper

146 100

111 40.1 20.3 60.9

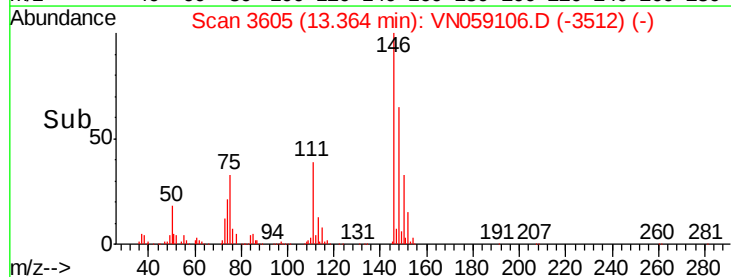
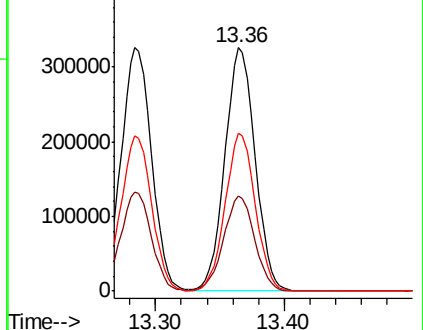
148 64.8 31.9 95.7

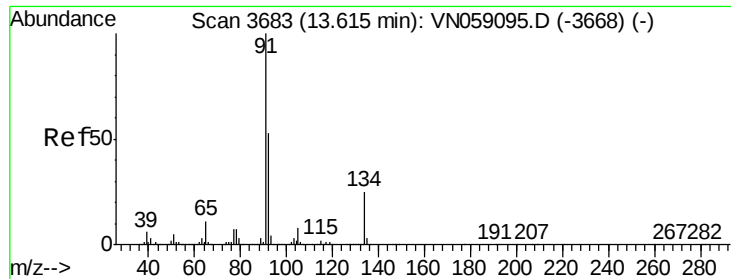


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

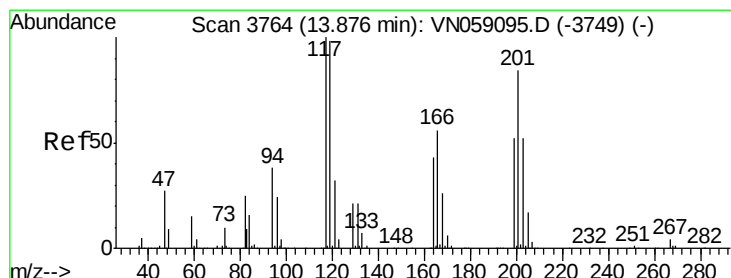
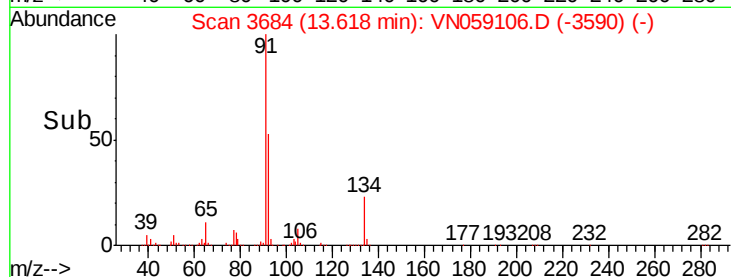
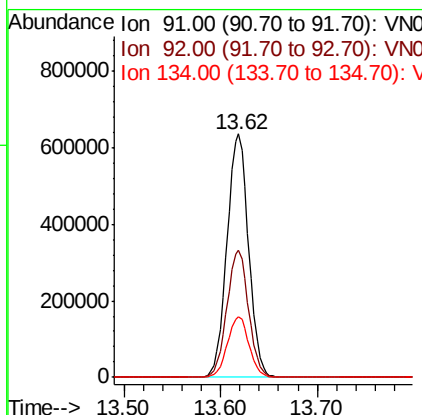
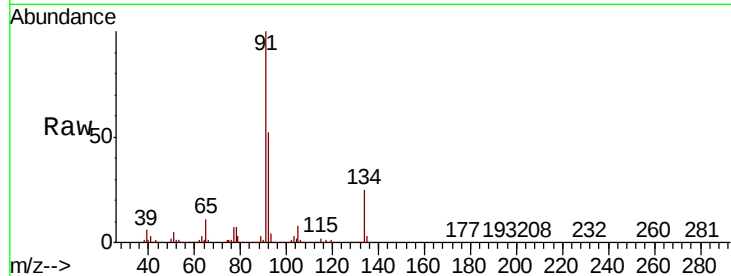




#89
n-Butylbenzene
Concen: 52.558 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

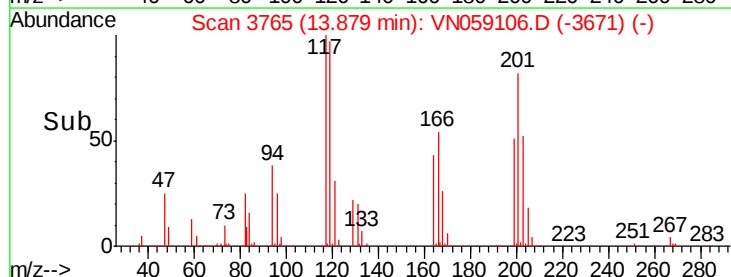
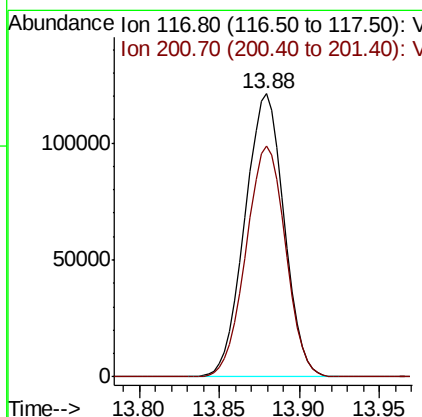
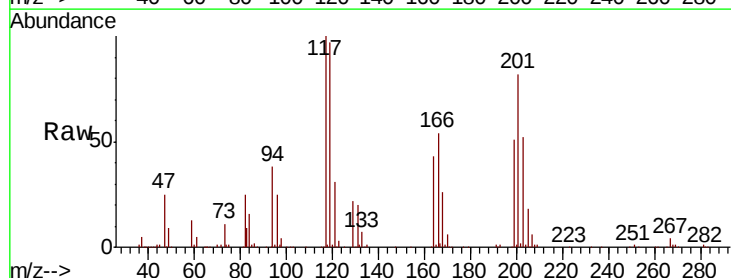
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

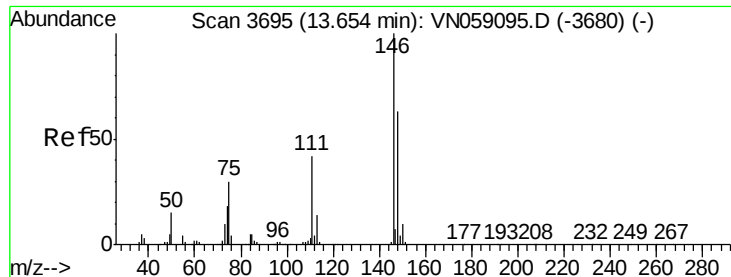
Tot Ion: 91 Resp: 984146
Ion Ratio Lower Upper
91 100
92 52.3 26.1 78.3
134 24.9 12.6 37.8



#90
Hexachloroethane
Concen: 47.213 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion: 117 Resp: 202827
Ion Ratio Lower Upper
117 100
201 82.4 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 49.219 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

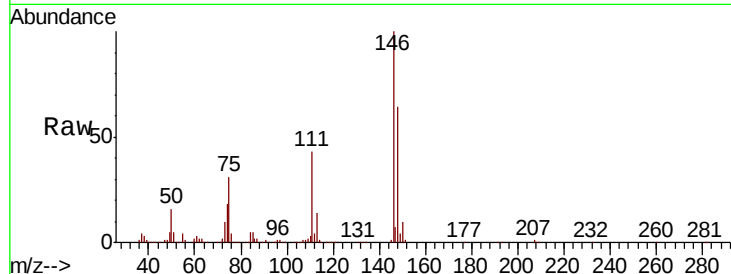
Tot Ion:146 Resp: 530347

Ion Ratio Lower Upper

146 100

111 42.3 21.2 63.6

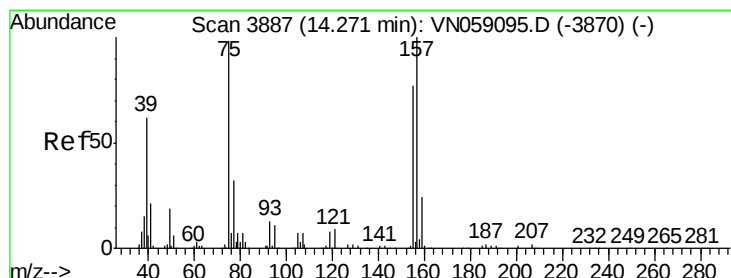
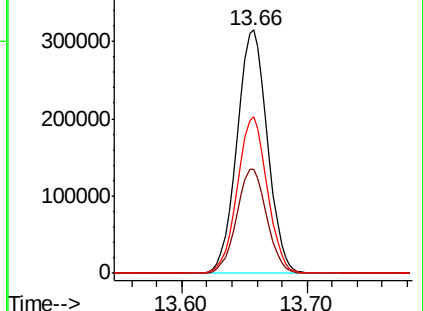
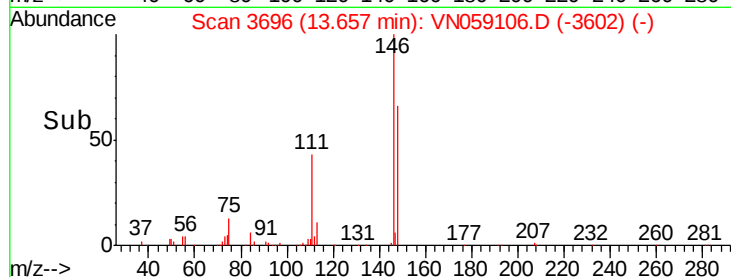
148 63.4 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.141 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059106.D

Acq: 6 Nov 2019 15:01

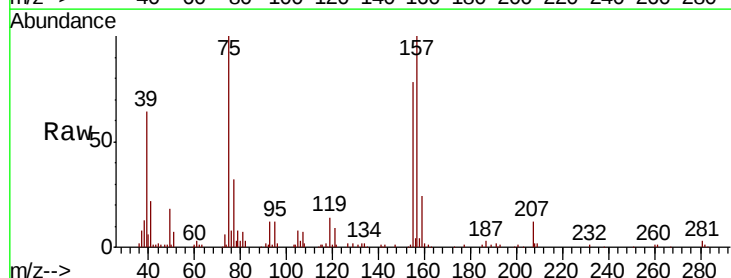
Tgt Ion: 75 Resp: 79811

Ion Ratio Lower Upper

75 100

155 80.4 40.2 120.6

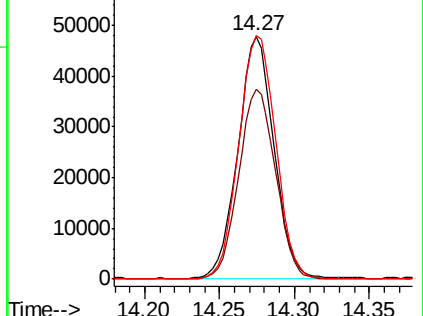
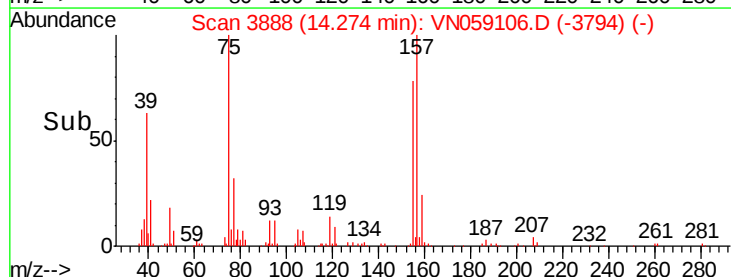
157 103.2 51.8 155.5

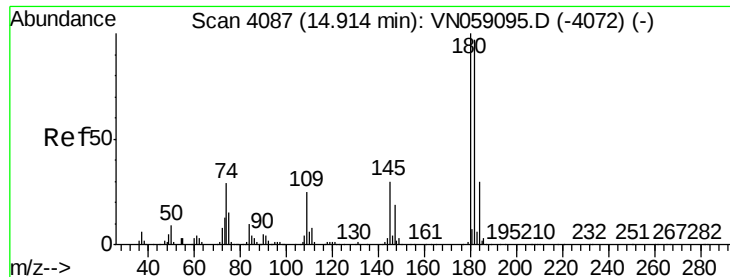


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

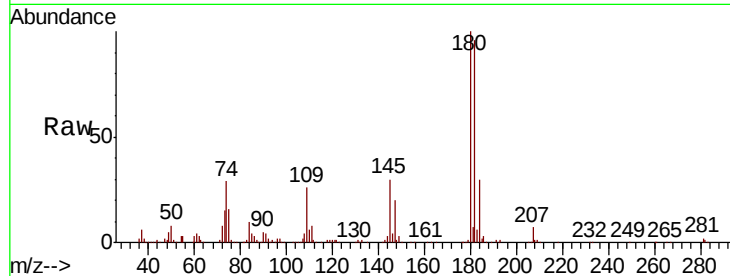




#93
 1,2,4-Trichlorobenzene
 Concen: 45.515 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.1	144.3
145	30.2	15.1	45.3

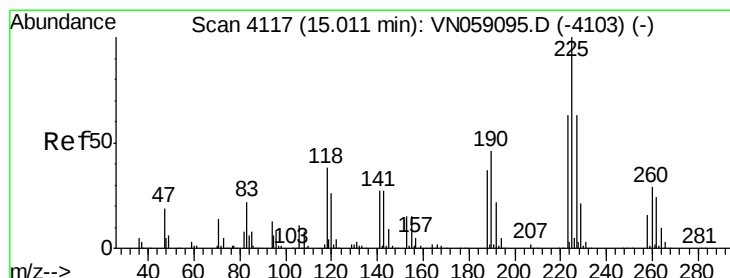
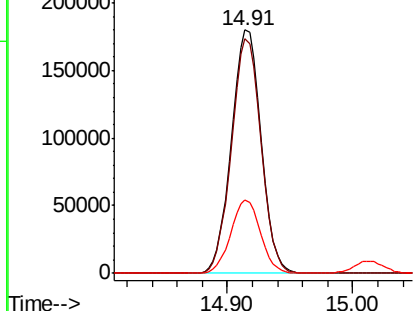
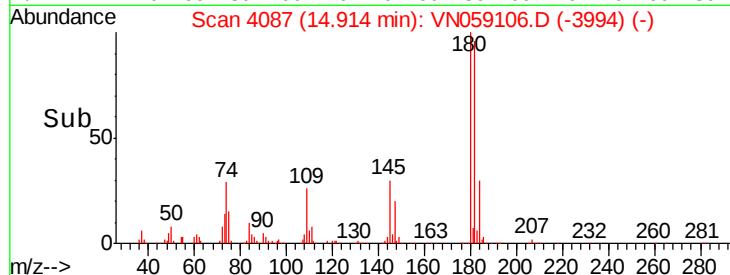


Abundance

Ion 179.80 (179.50 to 180.50): V

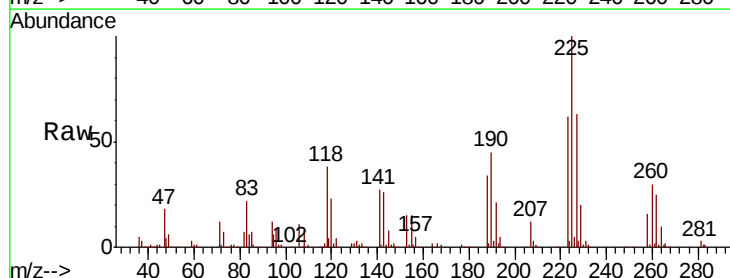
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 47.367 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059106.D
 Acq: 6 Nov 2019 15:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.3	93.9
227	63.3	31.5	94.5

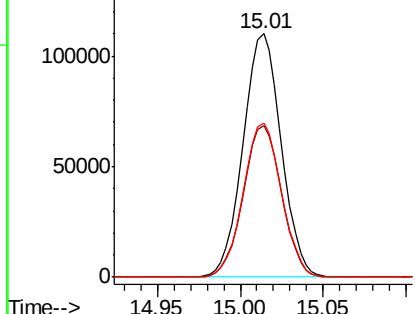
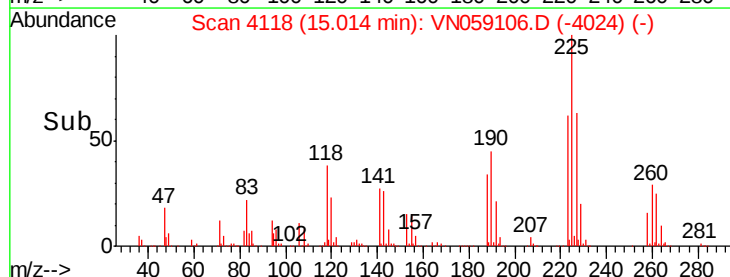


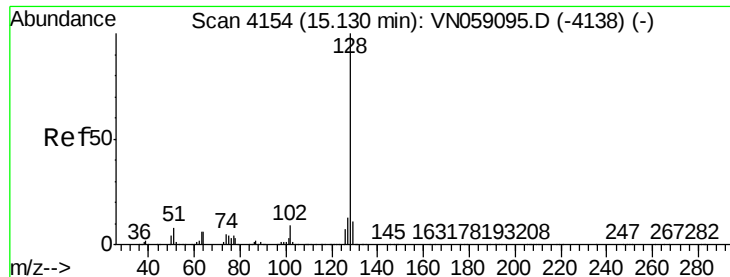
Abundance

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

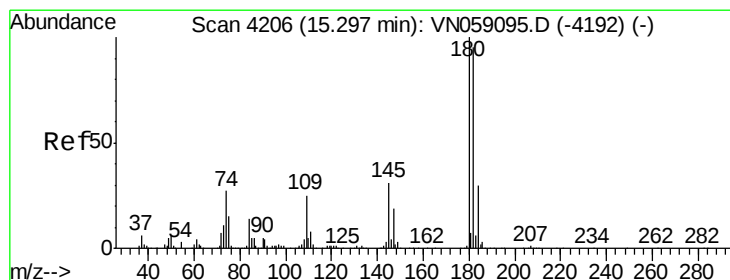
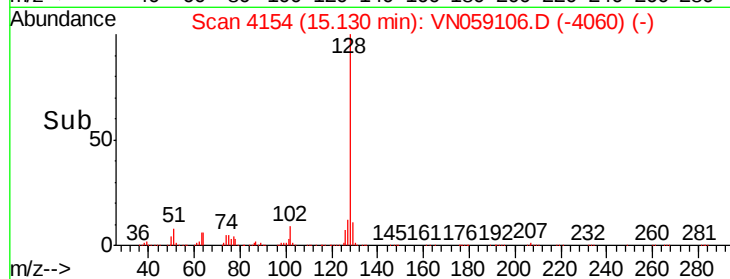
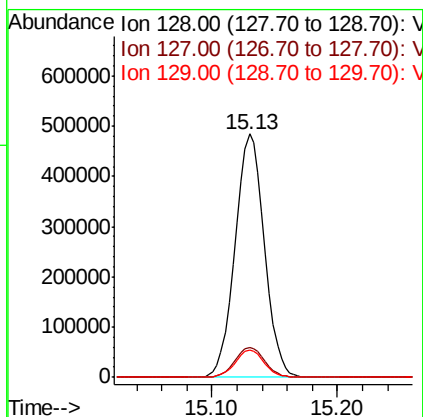
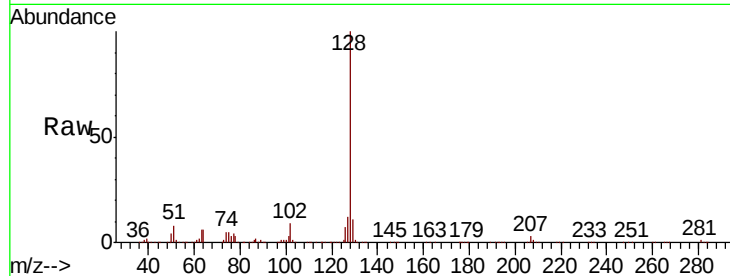




#95
Naphthalene
Concen: 43.690 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 785007
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 11.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 48.630 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059106.D
Acq: 6 Nov 2019 15:01

Tgt Ion:180 Resp: 293660
Ion Ratio Lower Upper
180 100
182 94.2 47.3 141.8
145 31.0 15.8 47.3

