

Data File : VN059552.D
Acq On : 10 Dec 2019 17:00
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 11 06:20:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 10 01:09:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	271139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	440910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	408037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	217723	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	187958	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
35) Dibromofluoromethane	7.57	113	135562	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
50) Toluene-d8	10.08	98	530851	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	234272	58.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	149568	47.826	ug/l	99
3) Chloromethane	2.04	50	235664	49.781	ug/l	100
4) Vinyl Chloride	2.17	62	232349	49.794	ug/l	99
5) Bromomethane	2.54	94	137441	48.358	ug/l	99
6) Chloroethane	2.68	64	136738	49.074	ug/l	96
7) Trichlorofluoromethane	3.00	101	273550	49.041	ug/l	100
8) Diethyl Ether	3.39	74	87335	45.686	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	136405	46.989	ug/l	99
10) Methyl Iodide	3.93	142	187158	47.614	ug/l	99
11) Tert butyl alcohol	4.75	59	165391	263.814	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	131552	46.616	ug/l	96
13) Acrolein	3.58	56	110377	361.798	ug/l	98
14) Allyl chloride	4.30	41	266584	49.106	ug/l	99
15) Acrylonitrile	4.95	53	428850	259.362	ug/l	100
16) Acetone	3.79	43	402754	227.515	ug/l	99
17) Carbon Disulfide	4.03	76	427366	47.734	ug/l	100
18) Methyl Acetate	4.29	43	225095	48.431	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	485144	51.717	ug/l	100
20) Methylene Chloride	4.52	84	158334	49.632	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	149816	49.462	ug/l	98
22) Diisopropyl ether	5.92	45	535574	51.824	ug/l	98
23) Vinyl Acetate	5.87	43	2346000	272.131	ug/l	100
24) 1,1-Dichloroethane	5.82	63	294526	50.195	ug/l	99
25) 2-Butanone	6.81	43	615045	258.119	ug/l	99
26) 2,2-Dichloropropane	6.80	77	259803	49.011	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	170895	50.162	ug/l	100
28) Bromochloromethane	7.17	49	118804	52.846	ug/l	100
29) Tetrahydrofuran	7.19	42	415180	250.495	ug/l	100
30) Chloroform	7.35	83	293121	50.617	ug/l	98
31) Cyclohexane	7.63	56	269389	47.177	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	258752	50.367	ug/l	99
36) 1,1-Dichloropropene	7.77	75	225147	49.772	ug/l	99
37) Ethyl Acetate	6.90	43	256062	48.587	ug/l	100
38) Carbon Tetrachloride	7.75	117	228363	51.216	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	262899	51.811	ug/l	97
40) Benzene	8.02	78	651747	50.435	ug/l	99
41) Methacrylonitrile	7.18	41	375632	170.872	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	249231	51.764	ug/l	99
43) Isopropyl Acetate	8.15	43	406463	52.053	ug/l	99
44) Trichloroethene	8.82	130	163016	49.933	ug/l	96
45) 1,2-Dichloropropane	9.10	63	175688	51.321	ug/l	100
46) Dibromomethane	9.20	93	118691	52.463	ug/l	99
47) Bromodichloromethane	9.39	83	235041	52.274	ug/l	99
48) Methyl methacrylate	9.19	41	190608	55.827	ug/l	99
49) 1,4-Dioxane	9.19	88	56420	1291.540	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1277696	257.549	ug/l	100
52) Toluene	10.15	92	405199	52.626	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	271569	51.838	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	285553	53.258	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	161746	51.941	ug/l	97
56) Ethyl methacrylate	10.42	69	249857	46.723	ug/l	100
57) 1,3-Dichloropropane	10.70	76	278074	52.285	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	400040	313.584	ug/l	100
59) 2-Hexanone	10.75	43	963867	254.307	ug/l	100
60) Dibromochloromethane	10.90	129	175540	47.290	ug/l	100
61) 1,2-Dibromoethane	11.00	107	167359	51.625	ug/l	100
64) Tetrachloroethene	10.62	164	141352	47.399	ug/l	99
65) Chlorobenzene	11.43	112	425789	49.802	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	160763	50.416	ug/l	99
67) Ethyl Benzene	11.51	91	783566	50.930	ug/l	100
68) m/p-Xylenes	11.62	106	581683	100.787	ug/l	97
69) o-Xylene	11.95	106	275946	51.369	ug/l	95
70) Styrene	11.96	104	457358	51.391	ug/l	98
71) Bromoform	12.13	173	140798	56.117	ug/l #	99
73) Isopropylbenzene	12.25	105	826669	50.618	ug/l	100
74) N-amyl acetate	12.07	43	386499	54.330	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	272967	49.326	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	406709	73.047	ug/l #	100
77) Bromobenzene	12.53	156	215382	52.973	ug/l	97
78) n-propylbenzene	12.59	91	1073983	53.515	ug/l	99
79) 2-Chlorotoluene	12.67	91	622854	52.048	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	764225	54.569	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	111855	54.052	ug/l	96
82) 4-Chlorotoluene	12.77	91	651318	53.228	ug/l	99
83) tert-Butylbenzene	12.99	119	644667	55.201	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	758139	54.824	ug/l	99
85) sec-Butylbenzene	13.17	105	761156	47.450	ug/l	100
86) p-Isopropyltoluene	13.29	119	706710	49.293	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	351332	46.914	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	351717	47.965	ug/l	100
89) n-Butylbenzene	13.62	91	648212	48.151	ug/l	100
90) Hexachloroethane	13.88	117	128986	48.988	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	348805	49.632	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	56214	44.536	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121019\
Quantitation Report (Not Reviewed)

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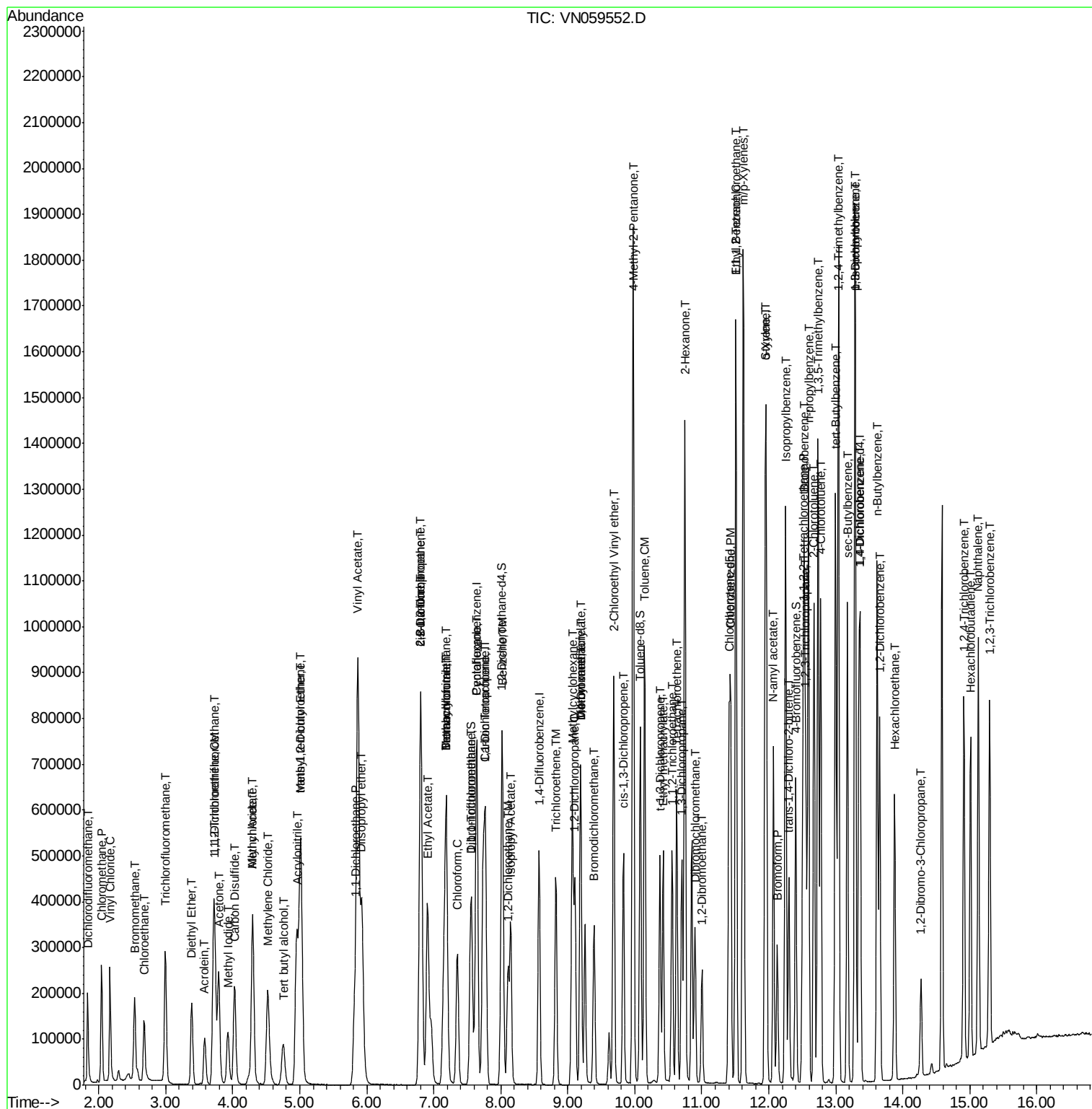
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	257447	52.964	ug/l	99
94) Hexachlorobutadiene	15.01	225	138830	55.906	ug/l	99
95) Naphthalene	15.13	128	728063	51.240	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	242225	51.105	ug/l	100

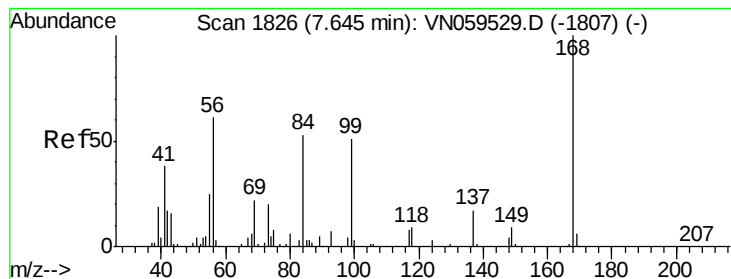
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

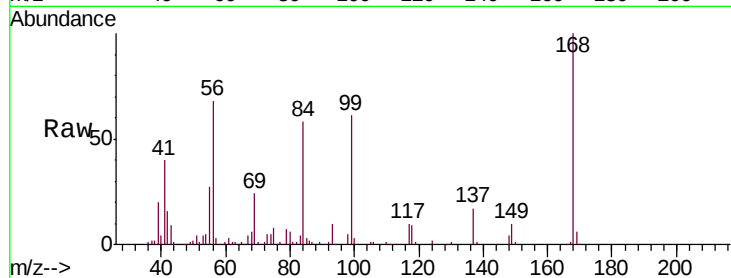
VSTDCCC050EC

Tgt Ion:168 Resp: 271139

Ion Ratio Lower Upper

168 100

99 60.7 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

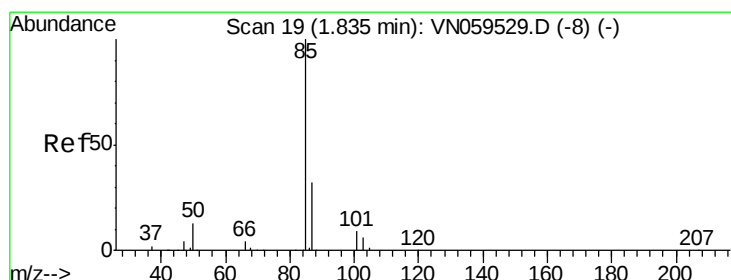
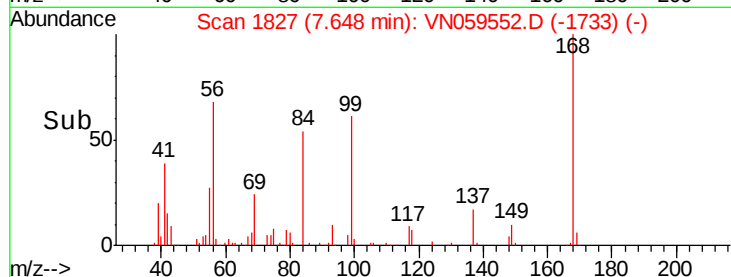
7.65

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.826 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059552.D

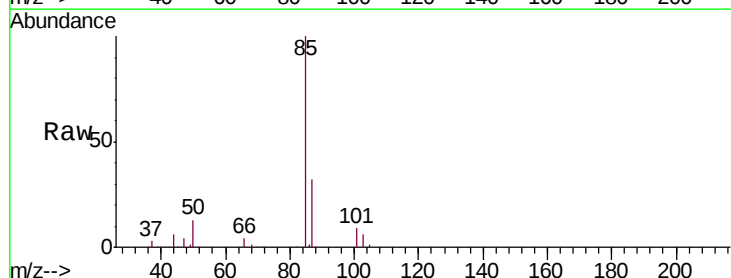
Acq: 10 Dec 2019 17:00

Tgt Ion: 85 Resp: 149568

Ion Ratio Lower Upper

85 100

87 32.3 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

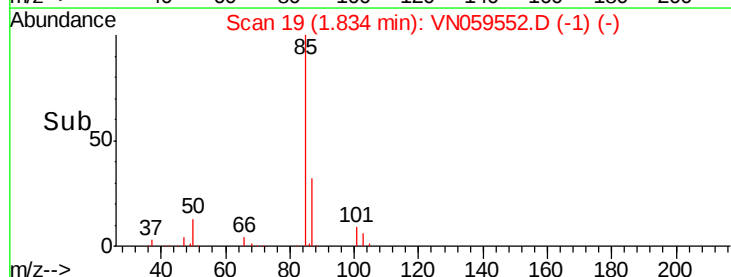
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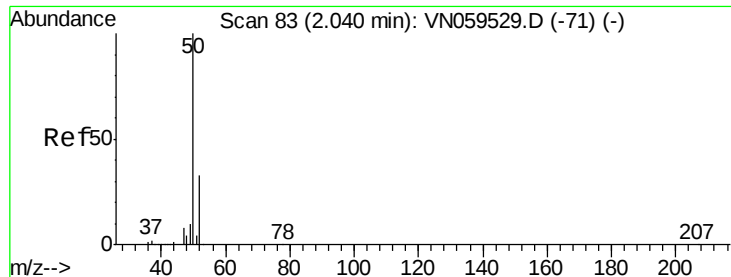
40000

20000

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Time-->





#3

Chloromethane

Concen: 49.781 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

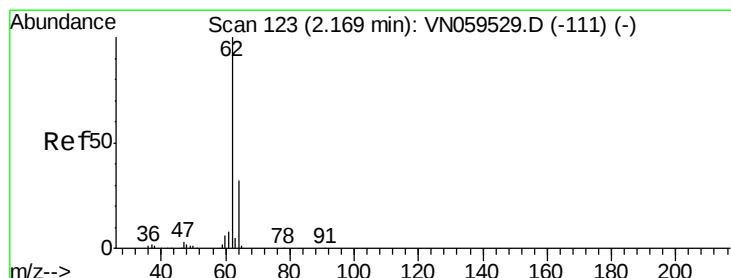
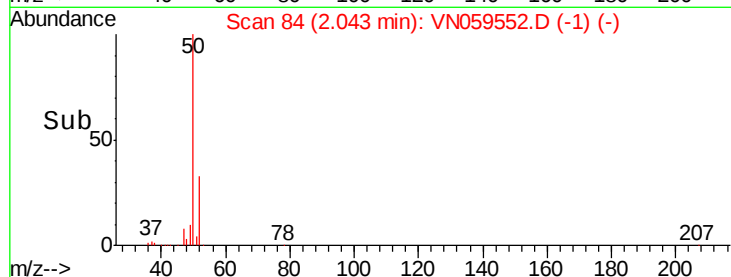
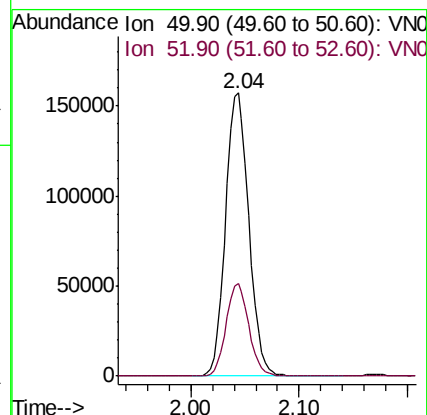
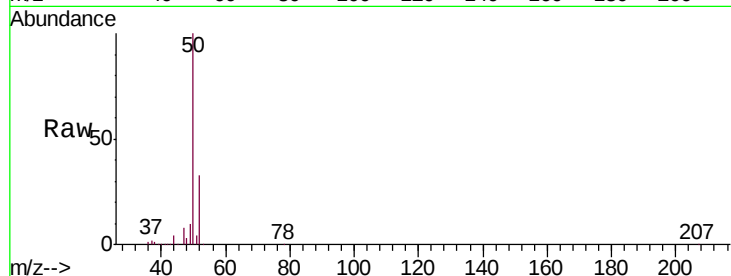
VSTDCCC050EC

Tgt Ion: 50 Resp: 235664

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.4



#4

Vinyl Chloride

Concen: 49.794 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059552.D

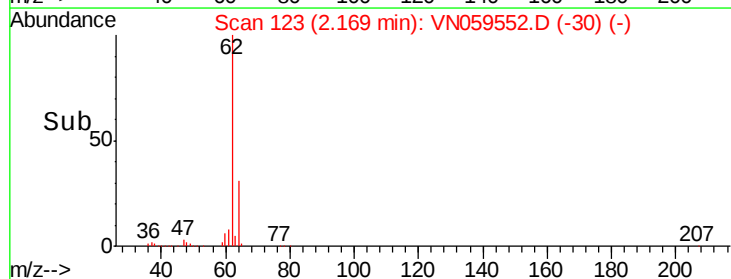
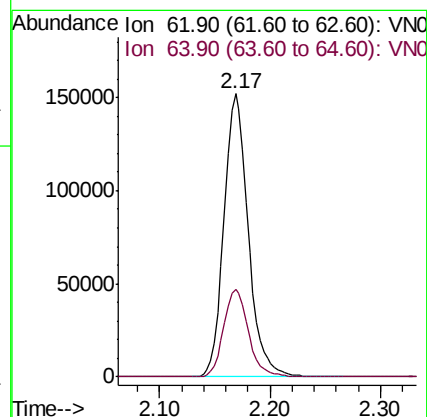
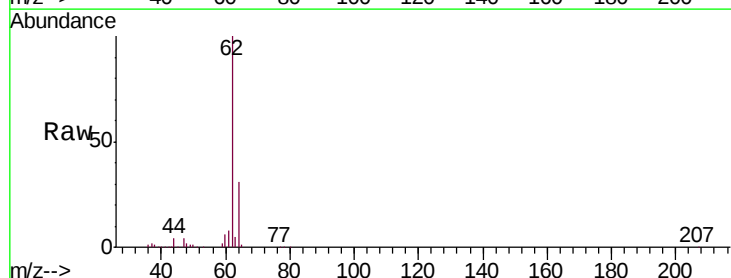
Acq: 10 Dec 2019 17:00

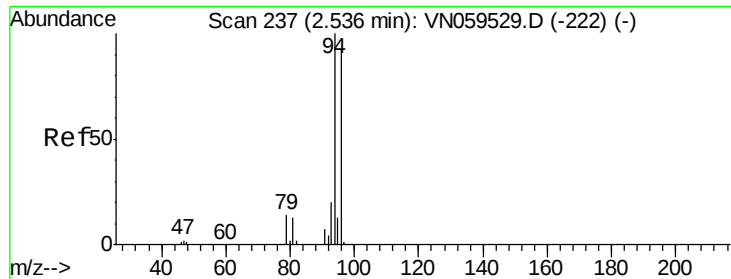
Tgt Ion: 62 Resp: 232349

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.0





#5

Bromomethane

Concen: 48.358 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

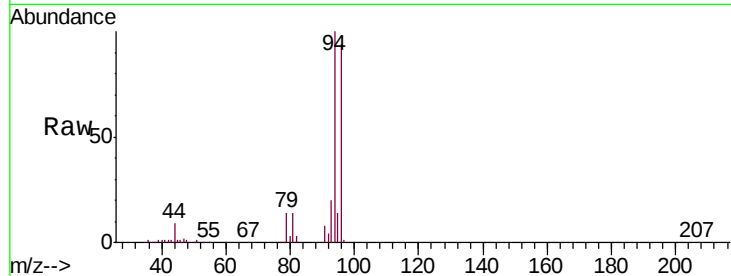
VSTDCCC050EC

Tgt Ion: 94 Resp: 137441

Ion Ratio Lower Upper

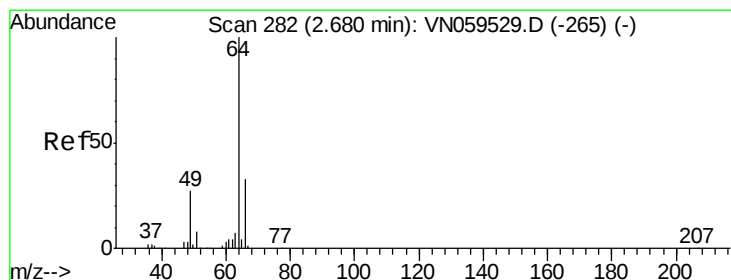
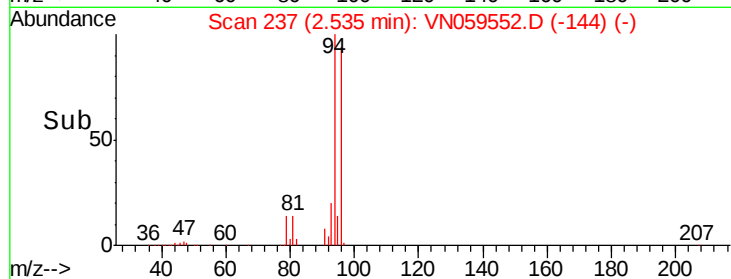
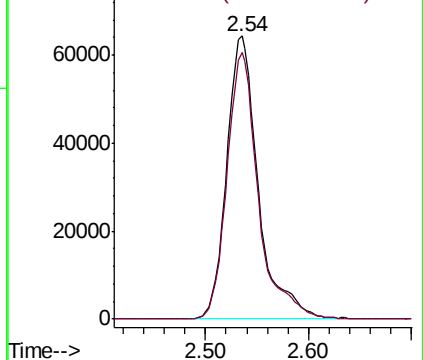
94 100

96 94.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.074 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059552.D

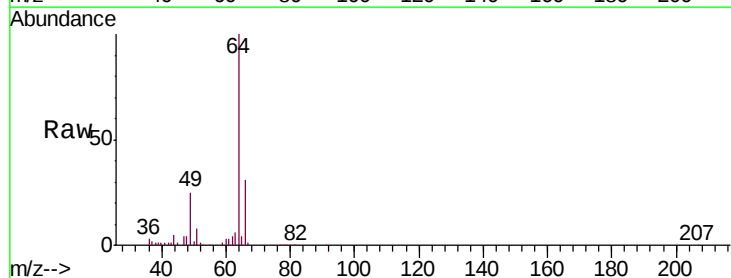
Acq: 10 Dec 2019 17:00

Tgt Ion: 64 Resp: 136738

Ion Ratio Lower Upper

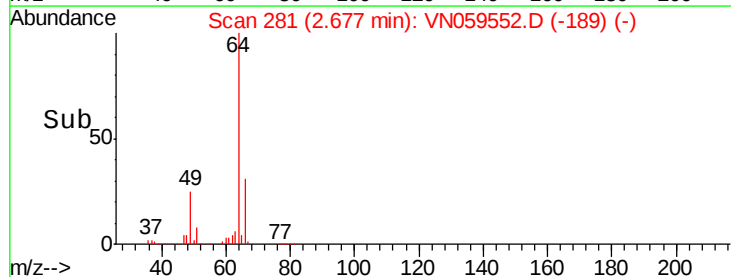
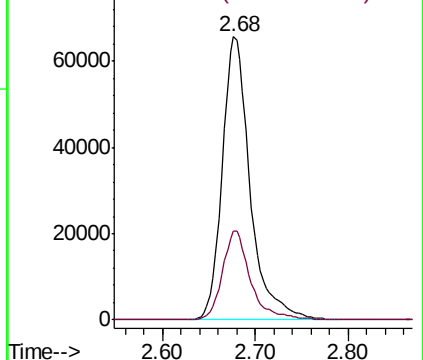
64 100

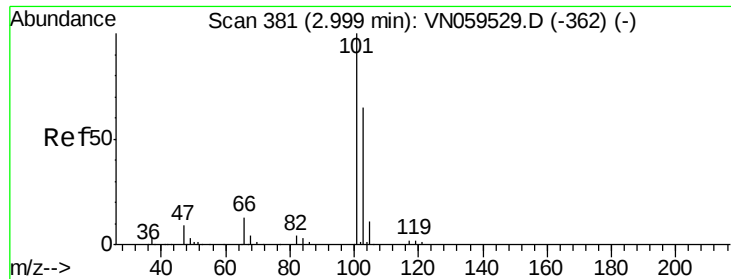
66 31.3 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



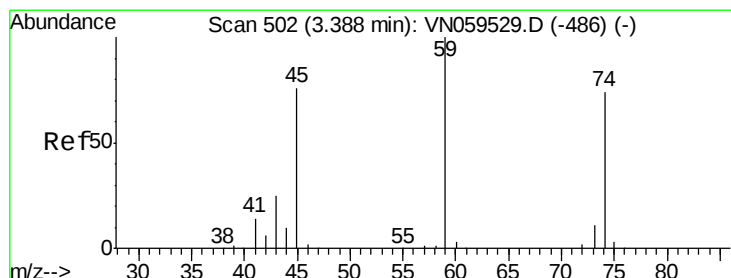
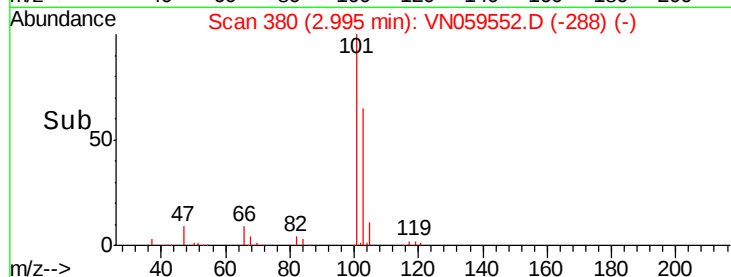
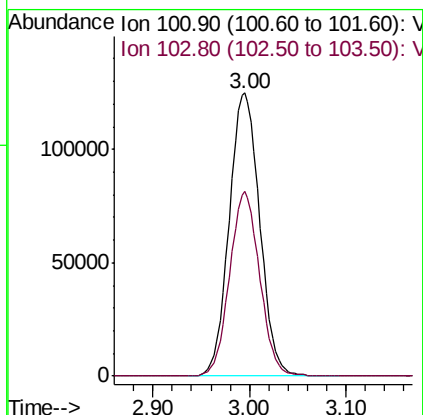
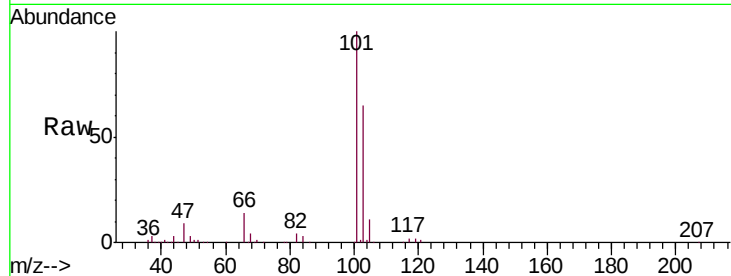


#7

Trichlorofluoromethane
 Concen: 49.041 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059552.D
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Instrument :
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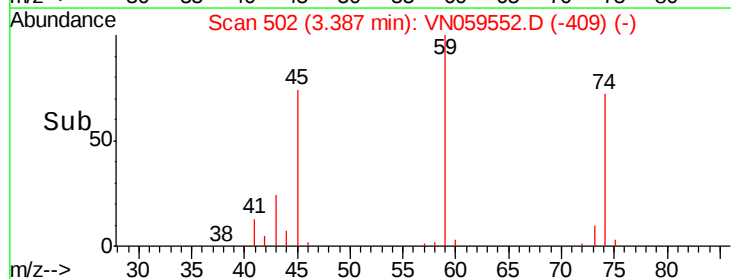
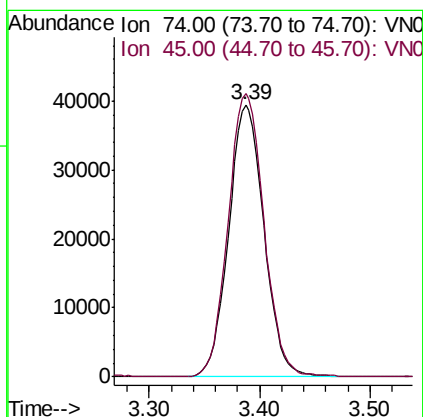
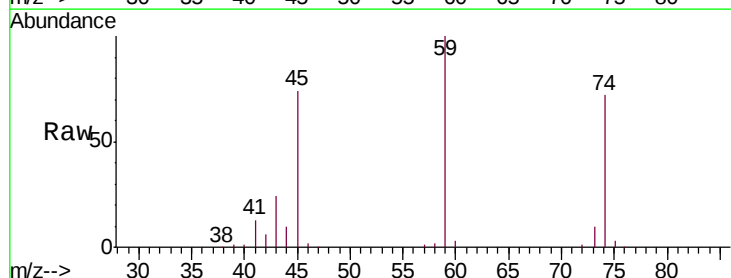
Tgt Ion:101 Resp: 273550
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.2 78.4

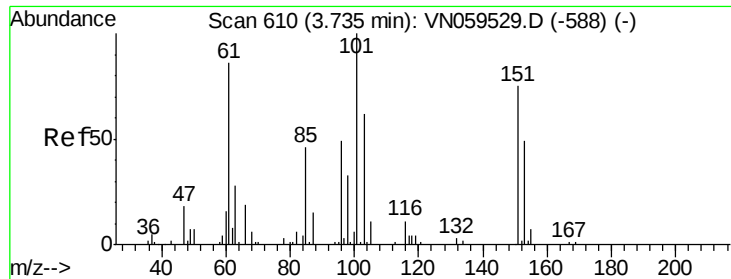


#8

Diethyl Ether
 Concen: 45.686 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

Tgt Ion: 74 Resp: 87335
 Ion Ratio Lower Upper
 74 100
 45 105.9 52.6 157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.989 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

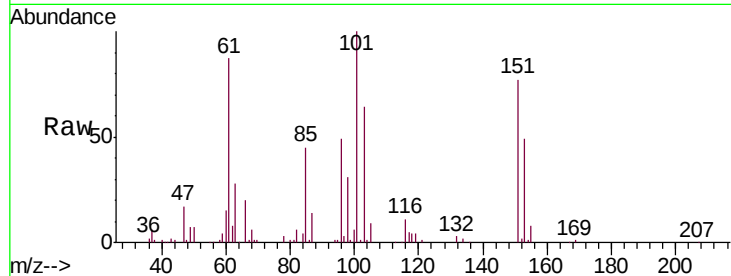
Tgt Ion:101 Resp: 136405

Ion Ratio Lower Upper

101 100

85 45.2 36.6 54.8

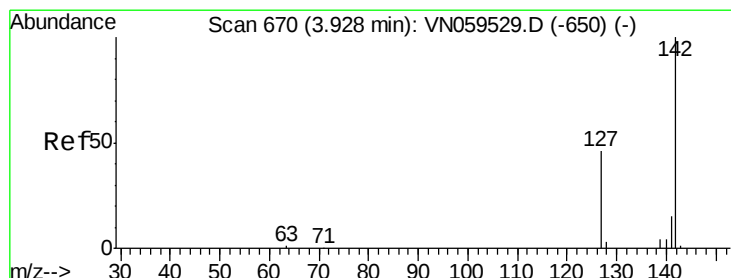
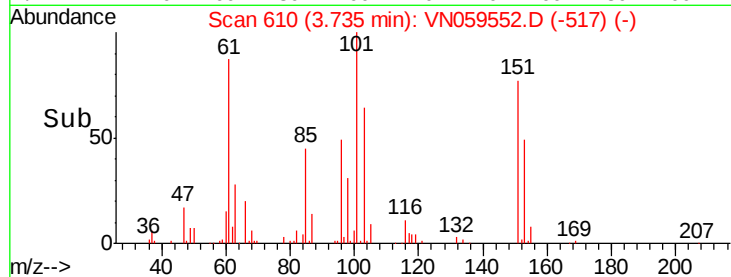
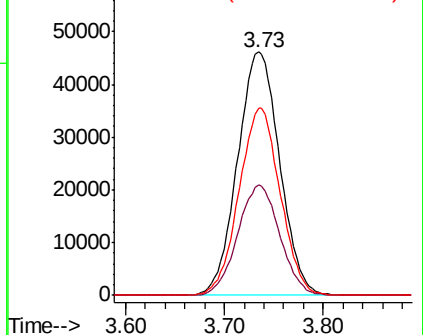
151 75.3 59.3 88.9



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: 47.614 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

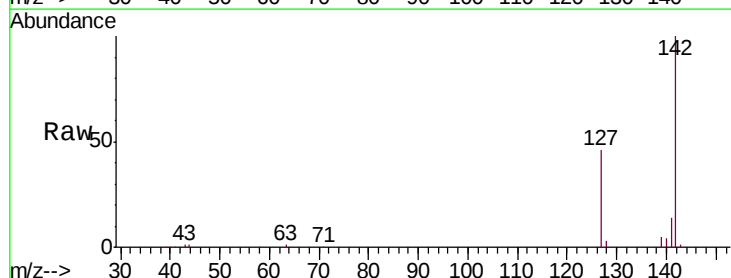
Tgt Ion:142 Resp: 187158

Ion Ratio Lower Upper

142 100

127 46.4 36.6 54.8

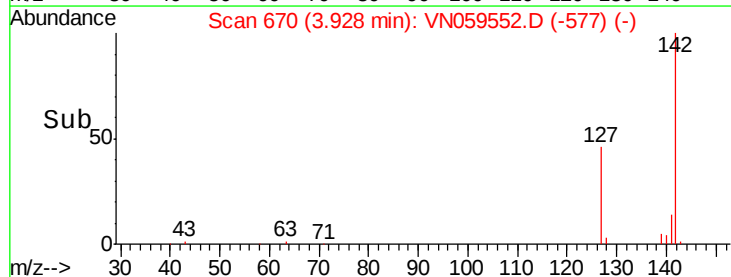
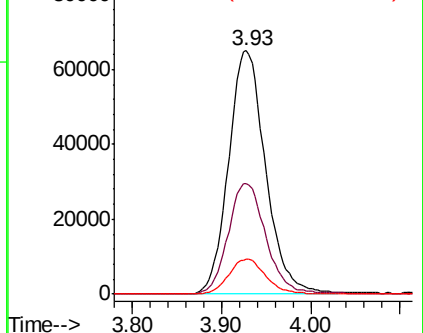
141 14.4 11.6 17.4

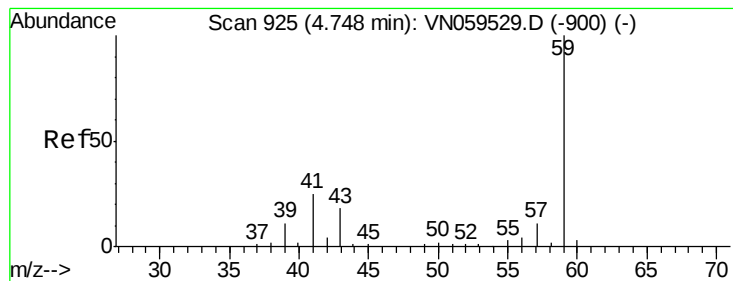


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



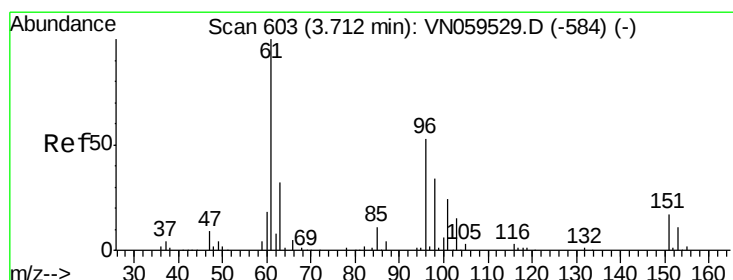
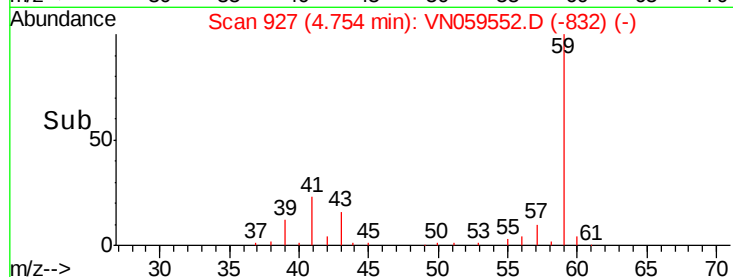
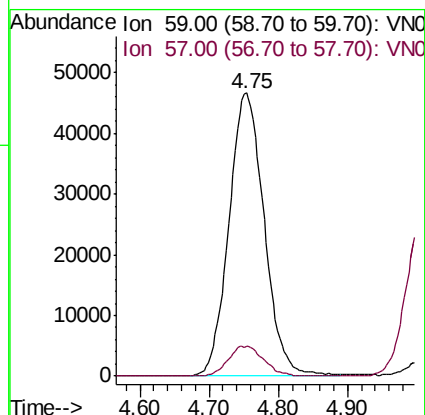
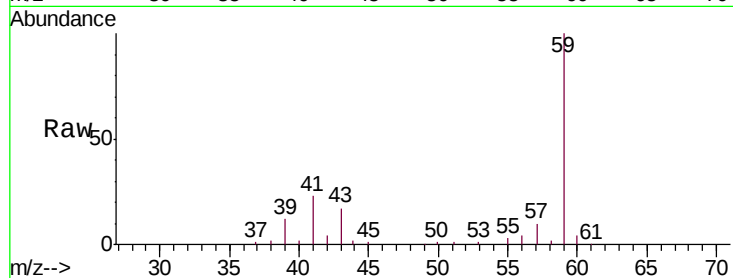


#11

Tert butyl alcohol
 Concen: 263.814 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

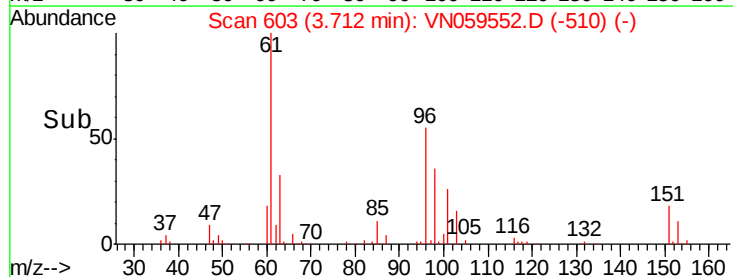
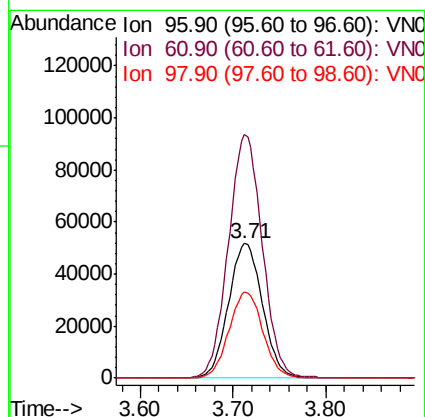
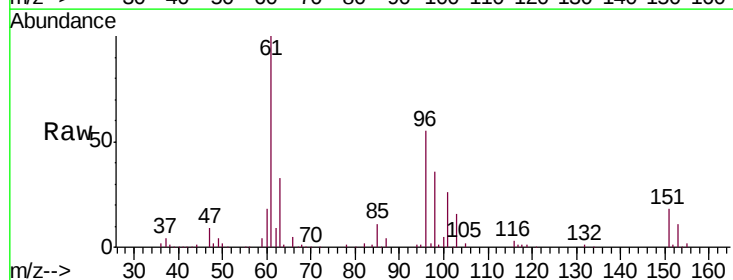
Tgt Ion: 59 Resp: 165391
 Ion Ratio Lower Upper
 59 100
 57 5.0 8.6 13.0#

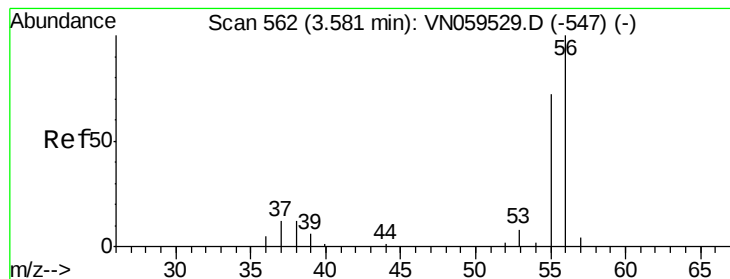


#12

1,1-Dichloroethene
 Concen: 46.616 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

Tgt Ion: 96 Resp: 131552
 Ion Ratio Lower Upper
 96 100
 61 180.7 149.8 224.6
 98 64.3 50.6 75.8





#13

Acrolein

Concen: 361.798 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

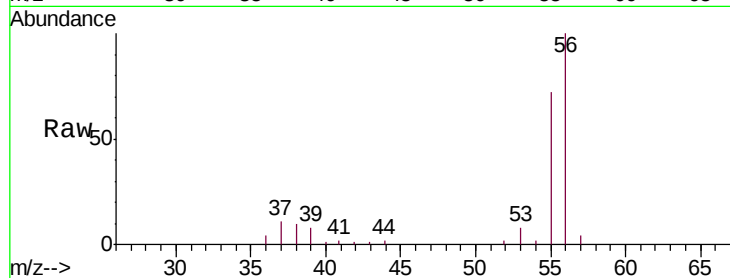
VSTDCCC050EC

Tgt Ion: 56 Resp: 110377

Ion Ratio Lower Upper

56 100

55 73.0 56.9 85.3

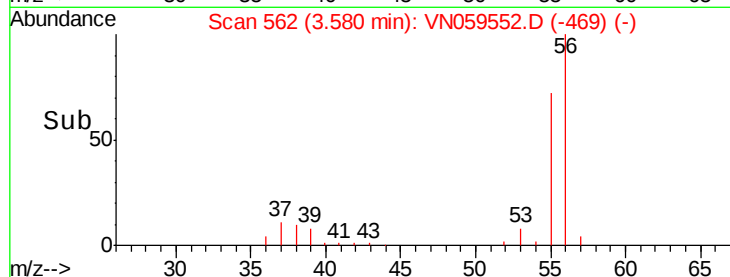


Abundance Ion 56.00 (55.70 to 56.70): VN059529.D (-547) (-)

Ion 55.00 (54.70 to 55.70): VN059529.D (-547) (-)

3.58

Time-->

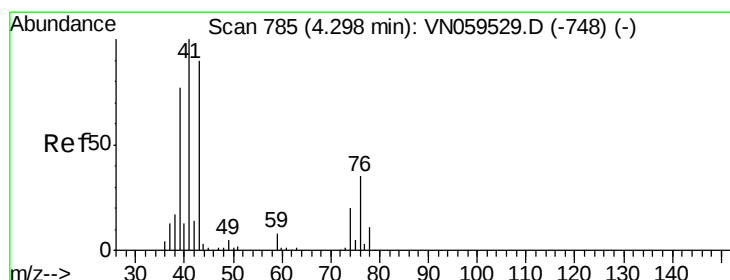


Abundance Ion 56.00 (55.70 to 56.70): VN059552.D (-469) (-)

Ion 55.00 (54.70 to 55.70): VN059552.D (-469) (-)

3.58

Time-->



#14

Allyl chloride

Concen: 49.106 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

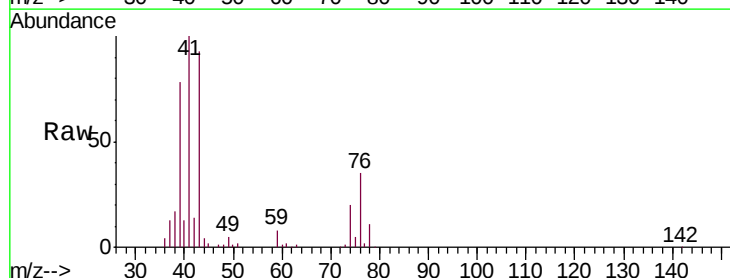
Tgt Ion: 41 Resp: 266584

Ion Ratio Lower Upper

41 100

39 72.4 56.7 85.1

76 31.6 25.5 38.3



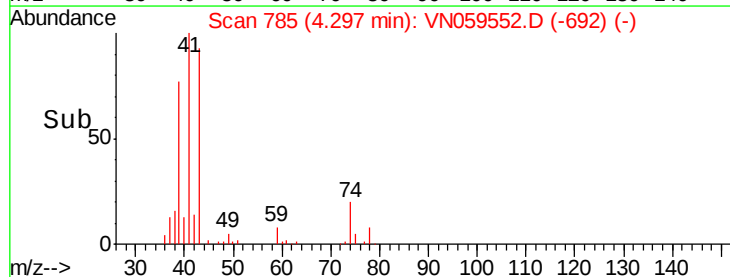
Abundance Ion 41.00 (40.70 to 41.70): VN059529.D (-748) (-)

Ion 39.00 (38.70 to 39.70): VN059529.D (-748) (-)

Ion 75.90 (75.60 to 76.60): VN059529.D (-748) (-)

4.30

Time-->



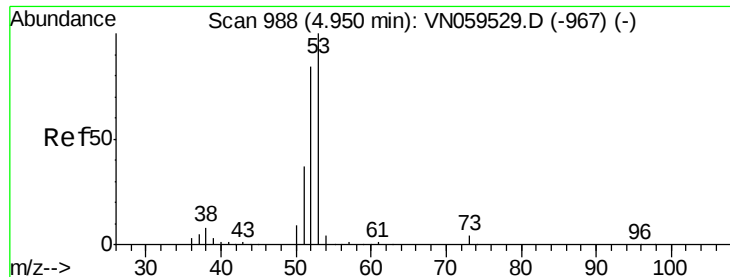
Abundance Ion 41.00 (40.70 to 41.70): VN059552.D (-692) (-)

Ion 39.00 (38.70 to 39.70): VN059552.D (-692) (-)

Ion 75.90 (75.60 to 76.60): VN059552.D (-692) (-)

4.30

Time-->



#15

Acrylonitrile

Concen: 259.362 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

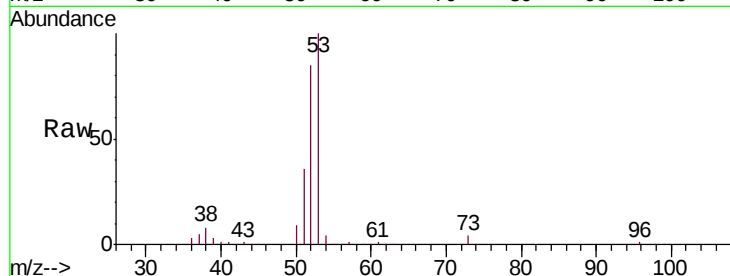
Tgt Ion: 53 Resp: 428850

Ion Ratio Lower Upper

53 100

52 83.7 66.6 99.8

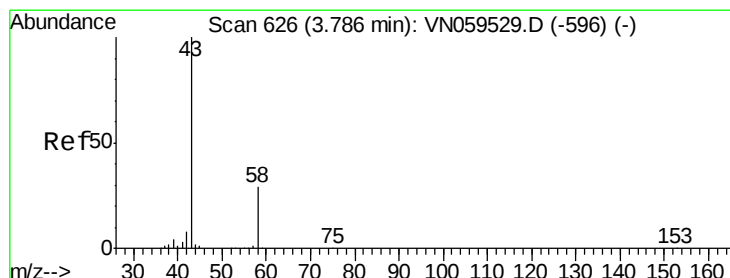
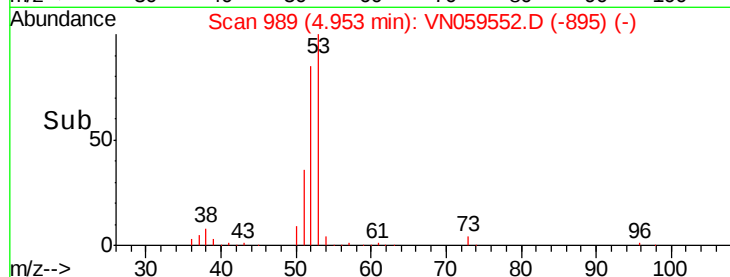
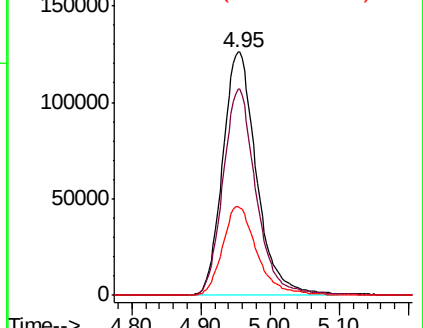
51 37.4 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 227.515 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059552.D

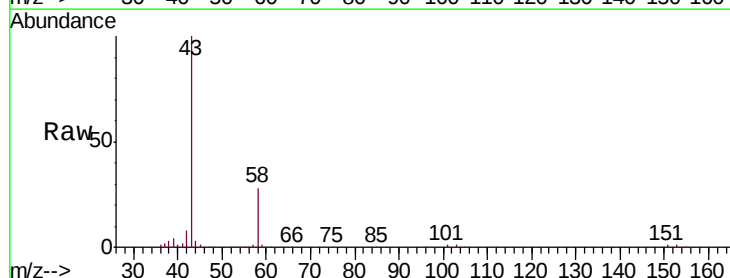
Acq: 10 Dec 2019 17:00

Tgt Ion: 43 Resp: 402754

Ion Ratio Lower Upper

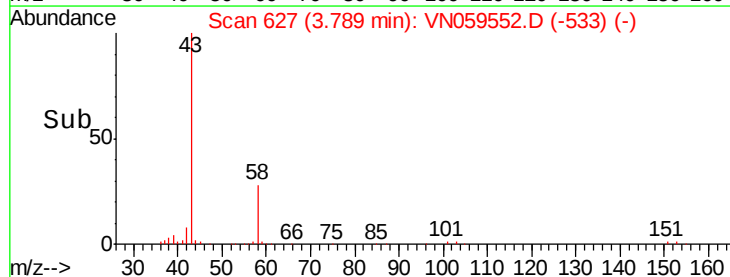
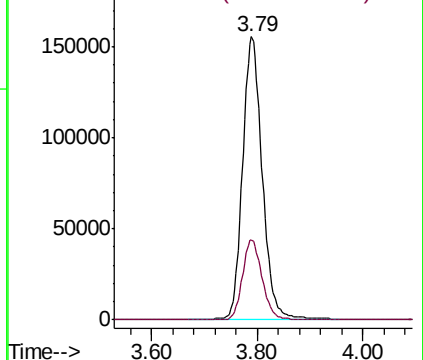
43 100

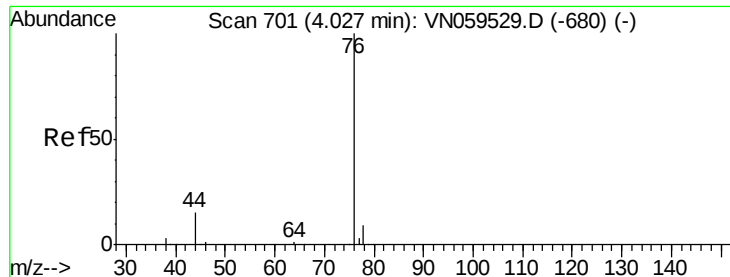
58 28.4 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

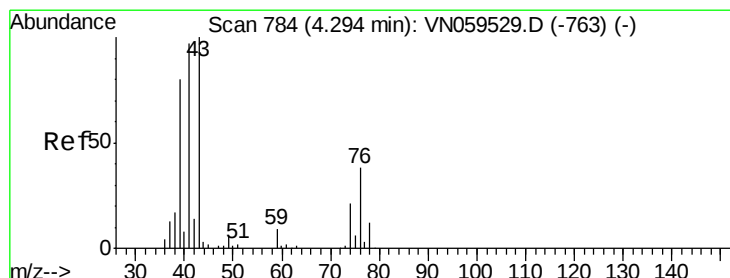
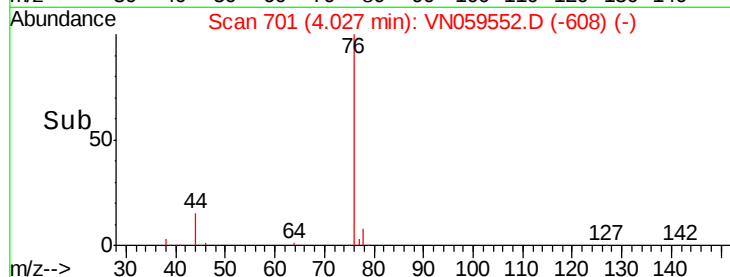
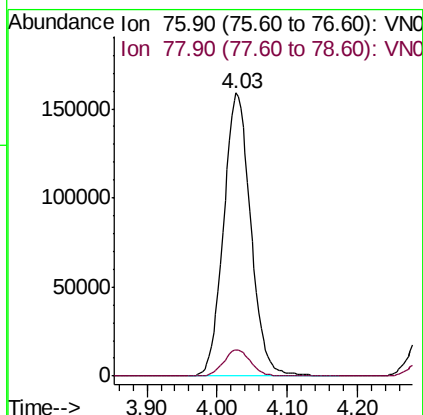
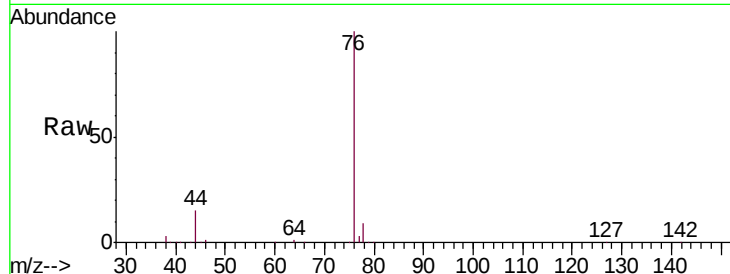




#17
Carbon Disulfide
Concen: 47.734 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

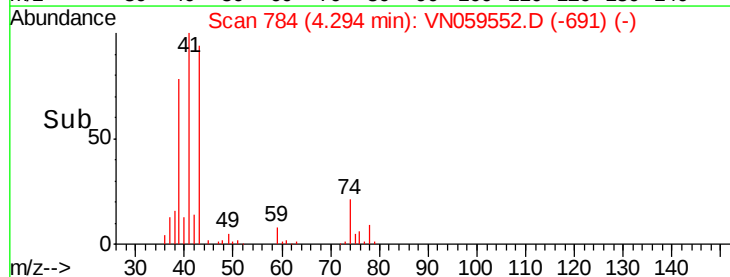
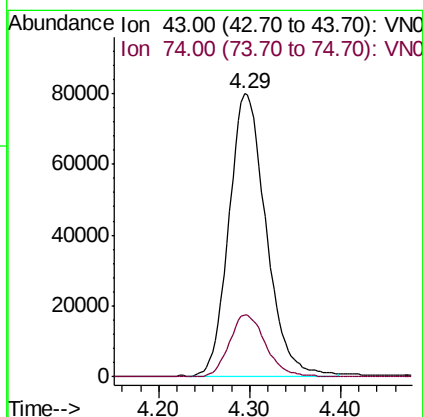
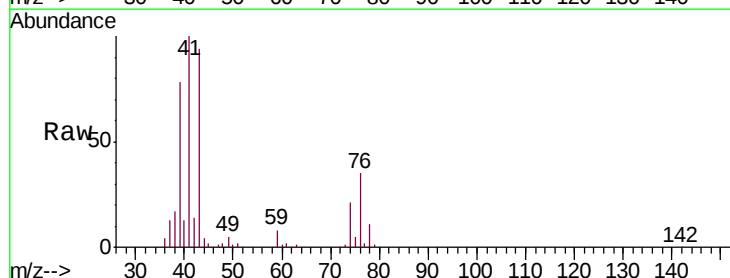
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

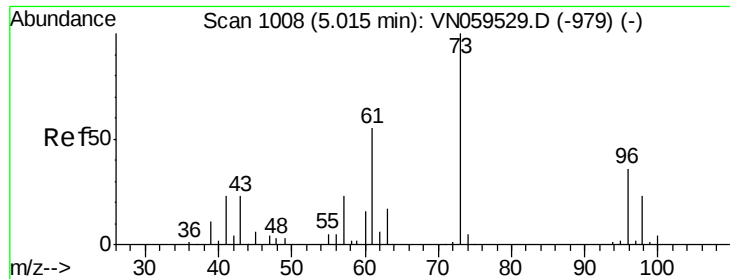
Tgt Ion: 76 Resp: 427366
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 48.431 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Tgt Ion: 43 Resp: 225095
Ion Ratio Lower Upper
43 100
74 21.9 17.5 26.3

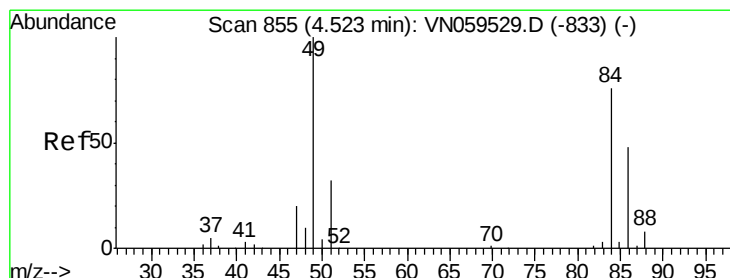
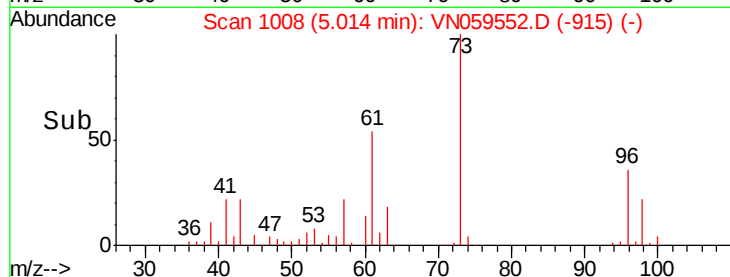
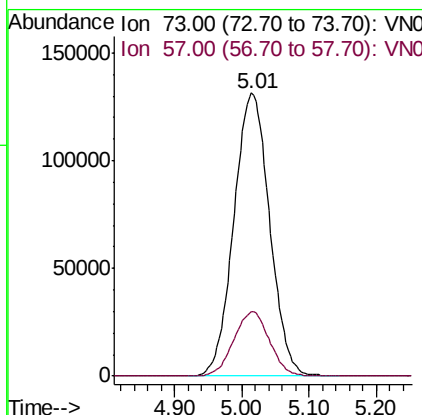
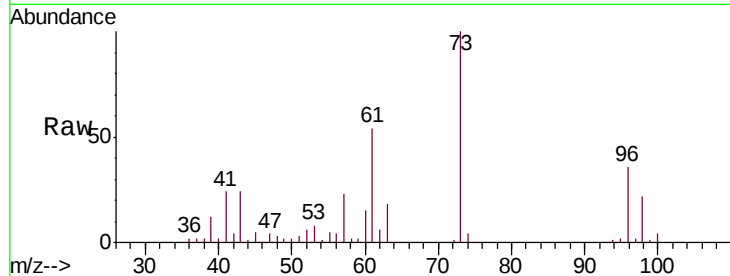




#19
Methyl tert-butyl Ether
Concen: 51.717 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

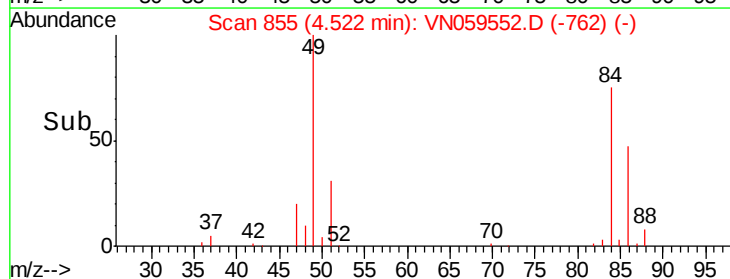
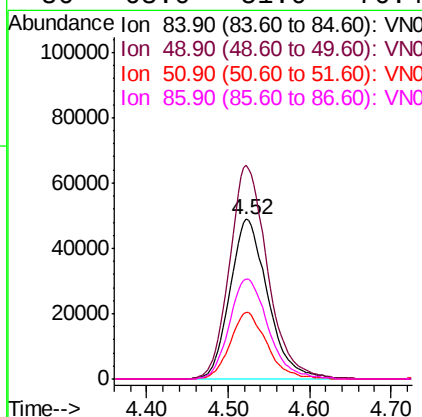
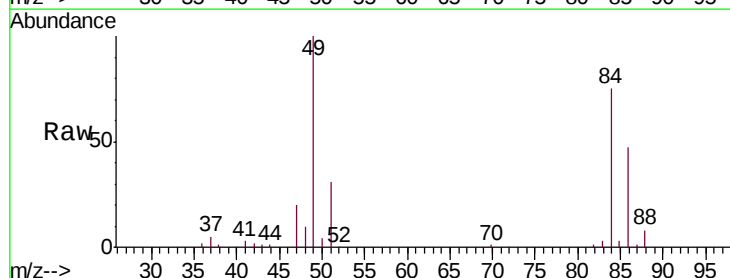
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

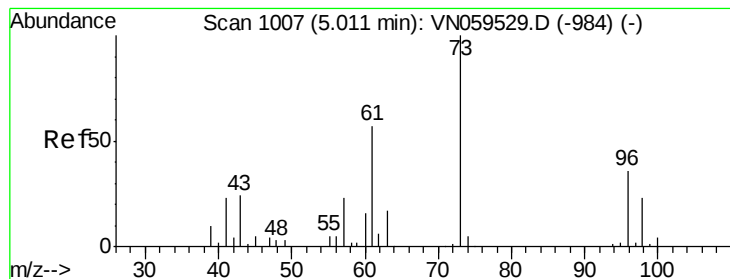
Tgt Ion: 73 Resp: 485144
Ion Ratio Lower Upper
73 100
57 22.7 18.3 27.5



#20
Methylene Chloride
Concen: 49.632 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Tgt Ion: 84 Resp: 158334
Ion Ratio Lower Upper
84 100
49 133.9 105.8 158.8
51 41.7 33.7 50.5
86 63.0 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 49.462 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

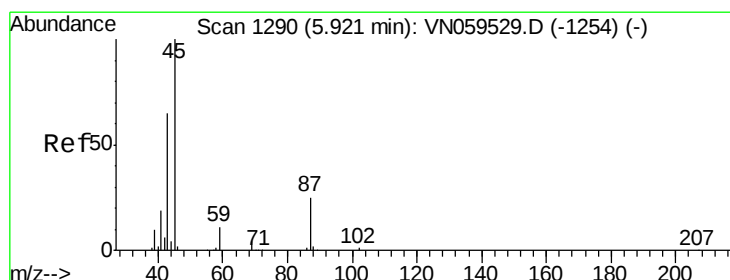
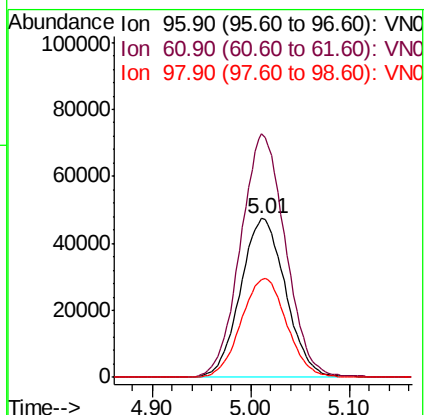
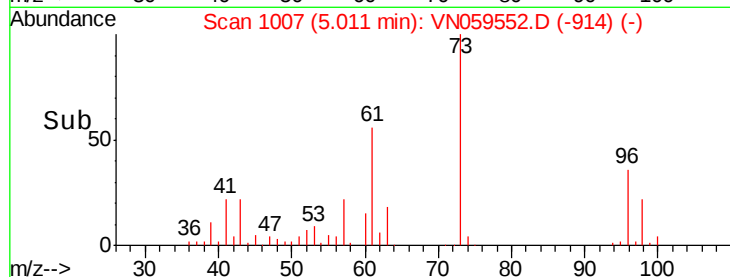
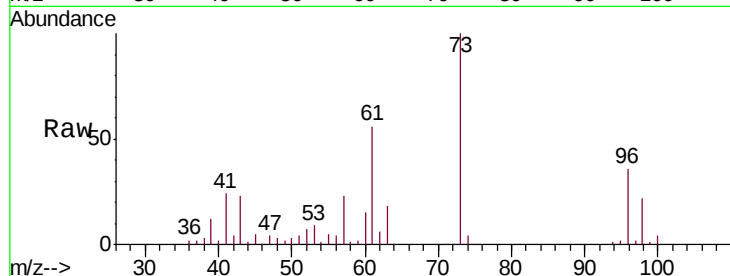
Tgt Ion: 96 Resp: 149816

Ion Ratio Lower Upper

96 100

61 153.3 124.8 187.2

98 61.5 51.0 76.4



#22

Diisopropyl ether

Concen: 51.824 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Tgt Ion: 45 Resp: 535574

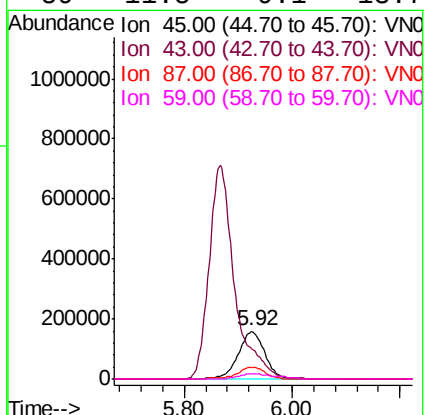
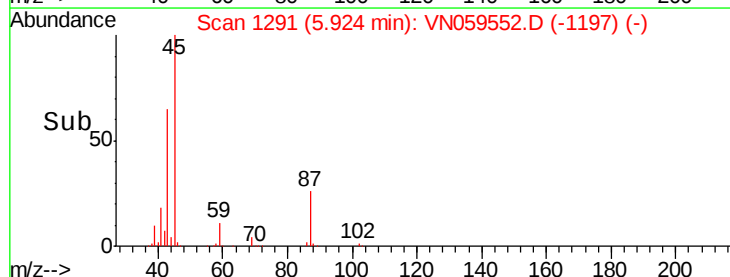
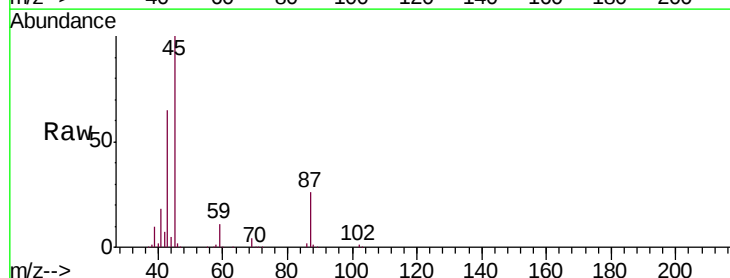
Ion Ratio Lower Upper

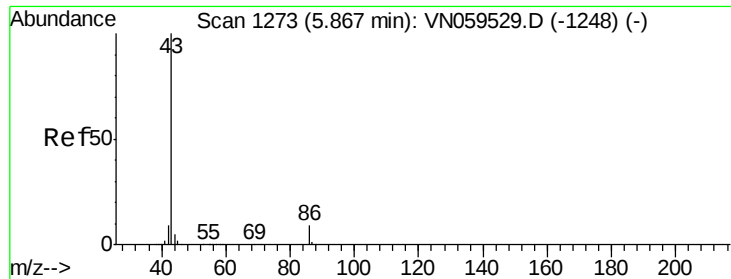
45 100

43 63.9 52.8 79.2

87 25.7 20.2 30.4

59 11.5 9.1 13.7

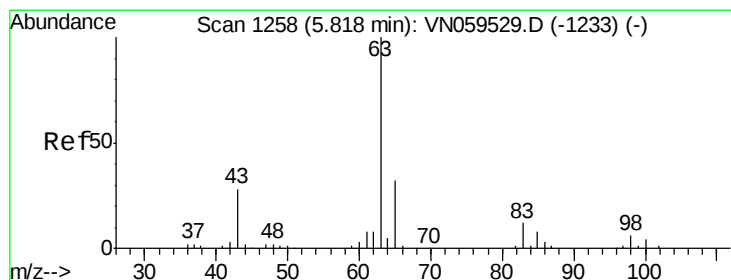
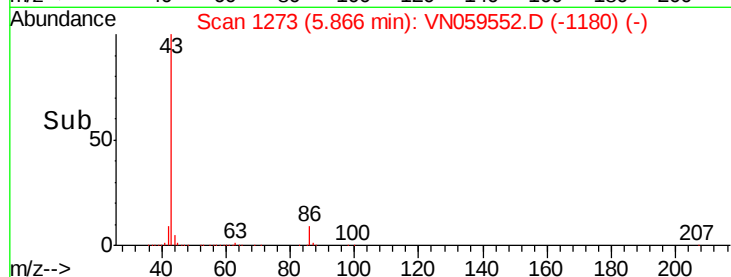
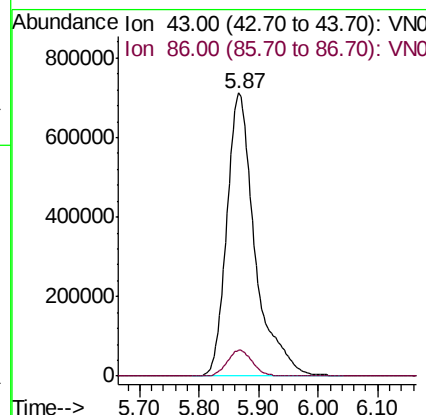
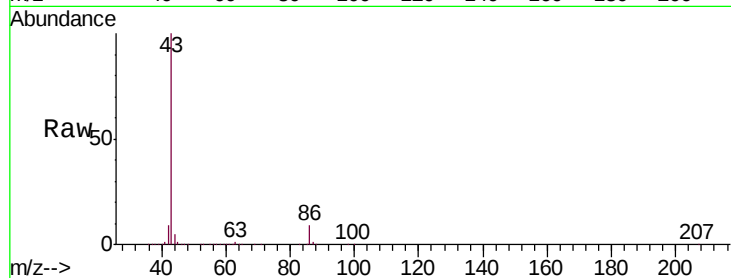




#23
 Vinyl Acetate
 Concen: 272.131 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

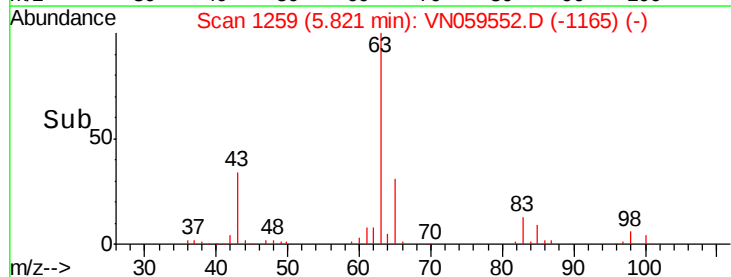
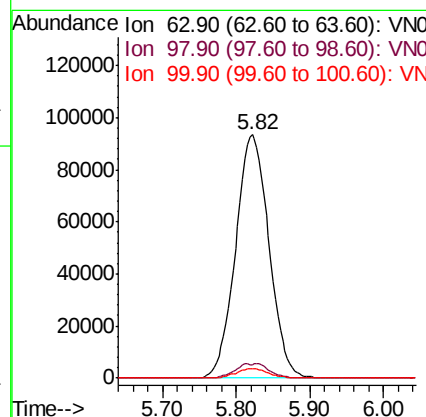
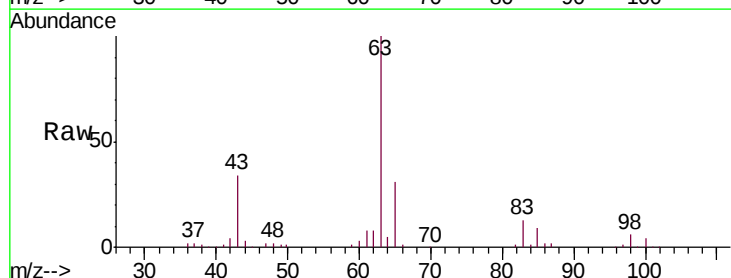
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

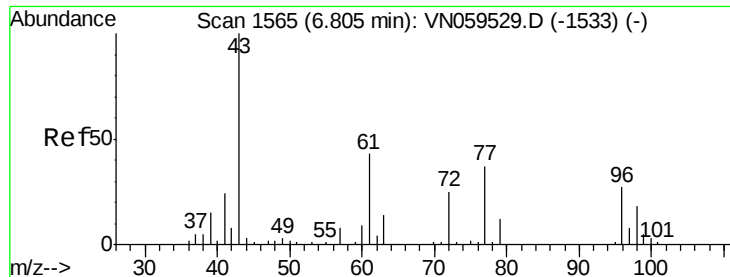
Tgt Ion: 43 Resp: 2346000
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 50.195 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

Tgt Ion: 63 Resp: 294526
 Ion Ratio Lower Upper
 63 100
 98 5.5 3.0 9.0
 100 4.0 1.8 5.3

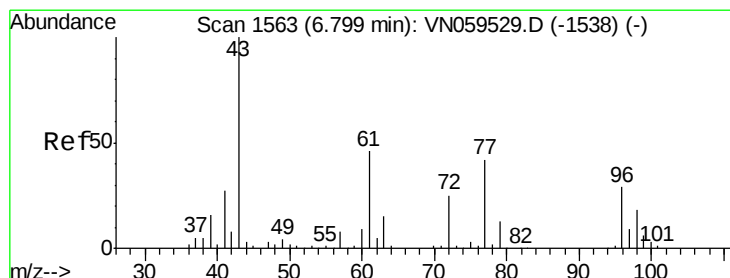
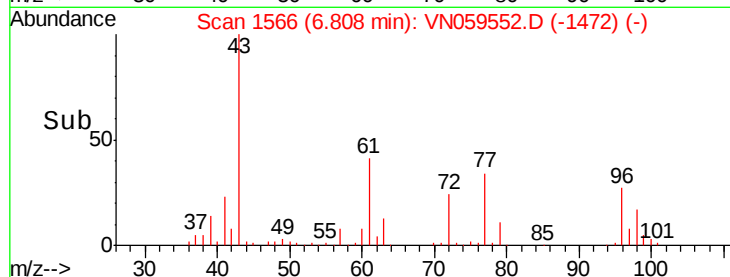
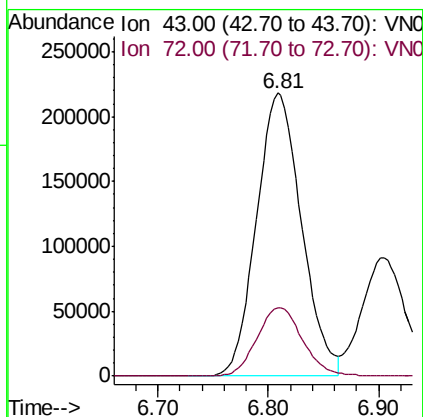
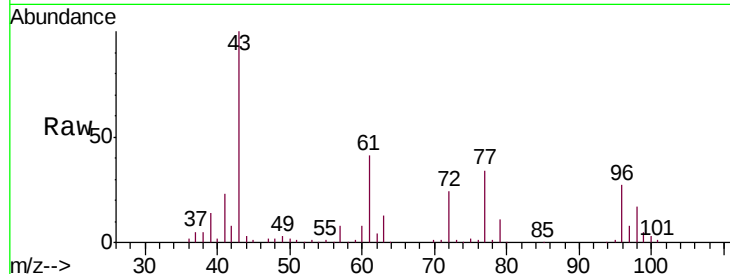




#25
2-Butanone
Concen: 258.119 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

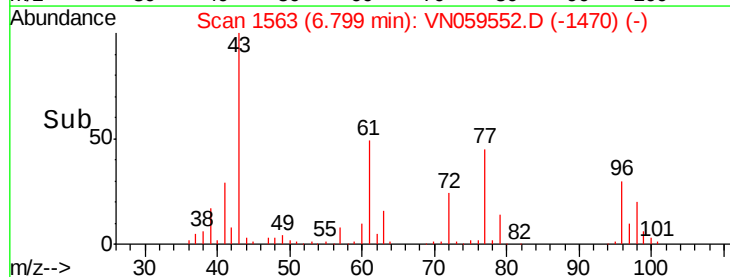
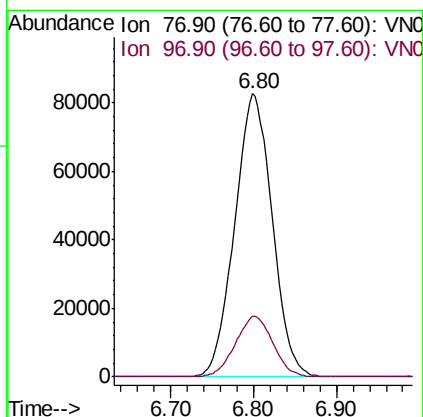
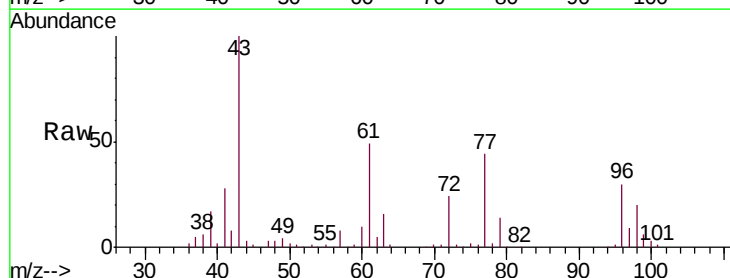
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

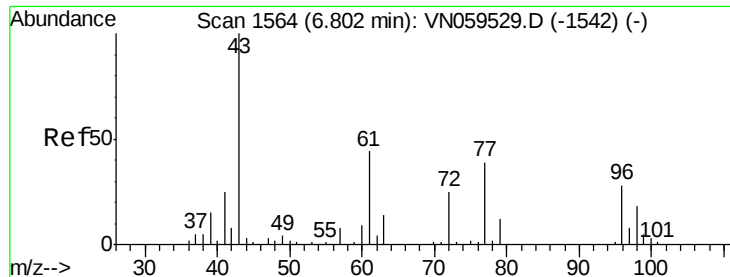
Tgt Ion: 43 Resp: 615045
Ion Ratio Lower Upper
43 100
72 24.3 19.9 29.9



#26
2,2-Dichloropropane
Concen: 49.011 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Tgt Ion: 77 Resp: 259803
Ion Ratio Lower Upper
77 100
97 21.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 50.162 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

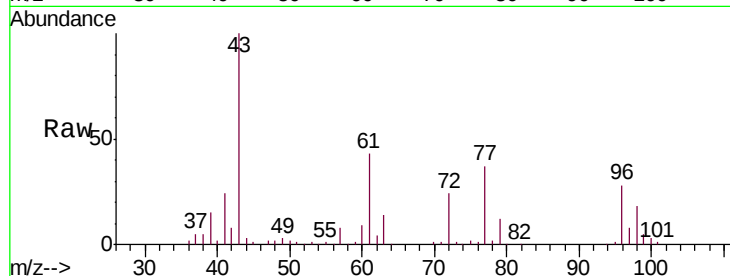
Tgt Ion: 96 Resp: 170895

Ion Ratio Lower Upper

96 100

61 160.0 0.0 320.0

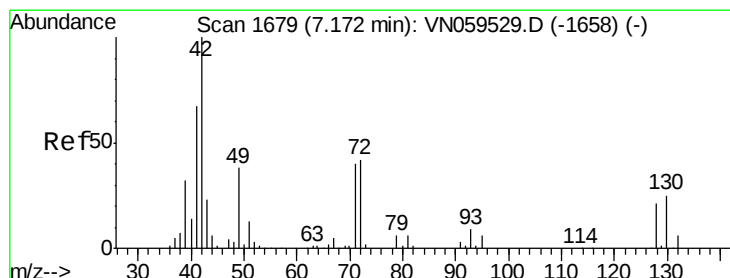
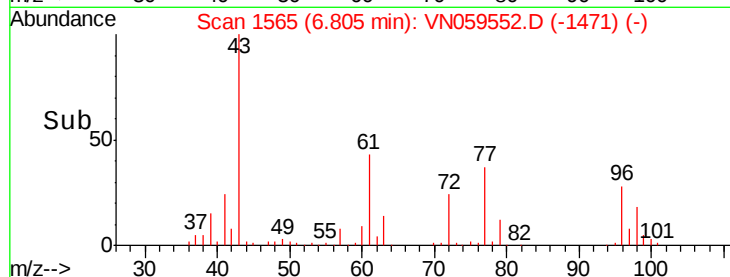
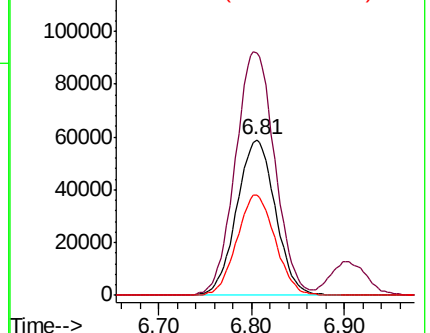
98 63.9 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN059529.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059529.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059529.D (-1542) (-)



#28

Bromochloromethane

Concen: 52.846 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

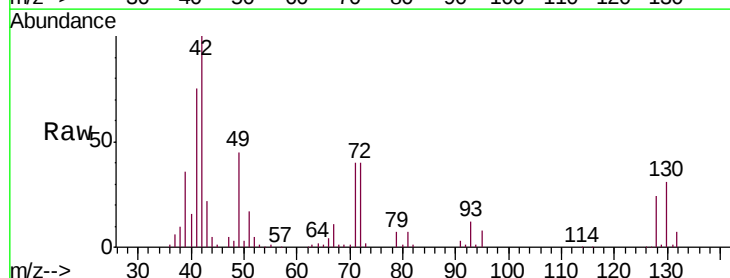
Tgt Ion: 49 Resp: 118804

Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.0

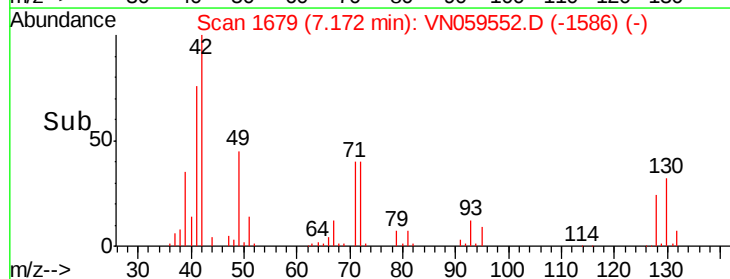
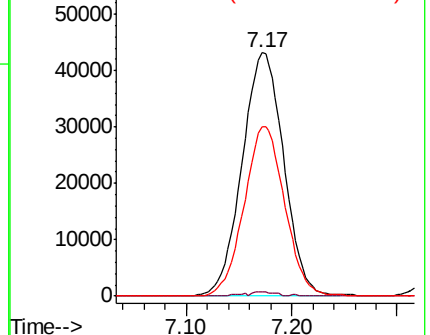
130 67.9 54.2 81.2

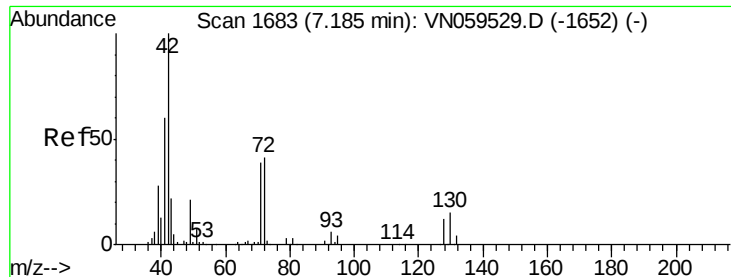


Abundance Ion 48.90 (48.60 to 49.60): VN059529.D (-1658) (-)

Ion 128.80 (128.50 to 129.50): VN059529.D (-1658) (-)

Ion 129.80 (129.50 to 130.50): VN059529.D (-1658) (-)

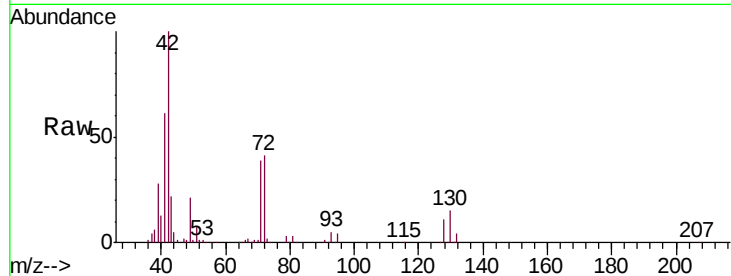




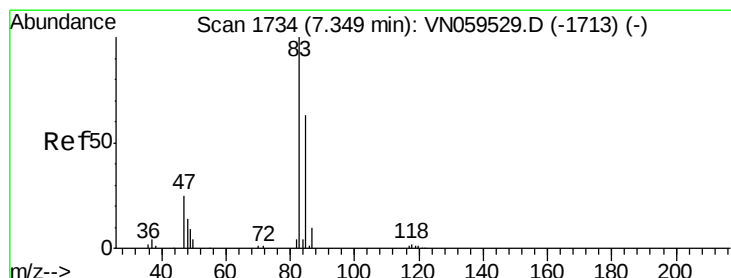
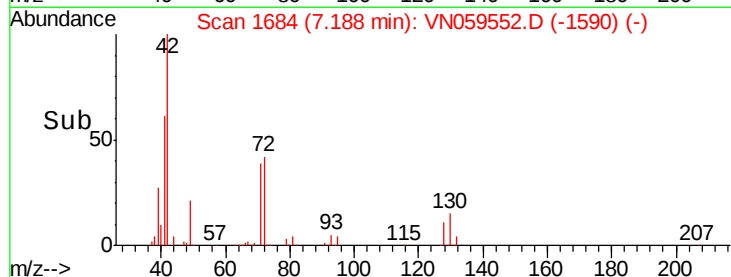
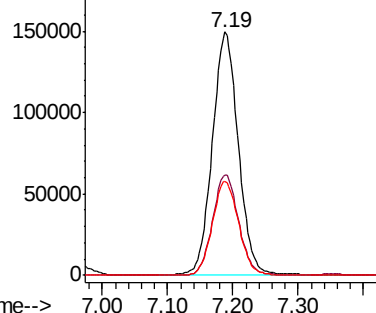
#29
Tetrahydrofuran
Concen: 250.495 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 415180
Ion Ratio Lower Upper
42 100
72 41.2 32.7 49.1
71 39.0 31.4 47.2

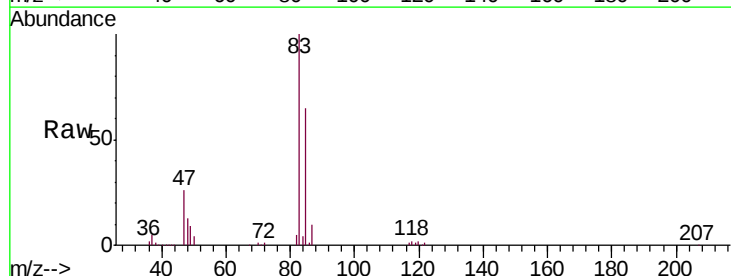


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

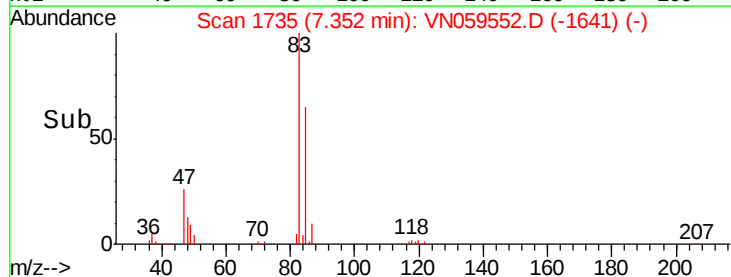
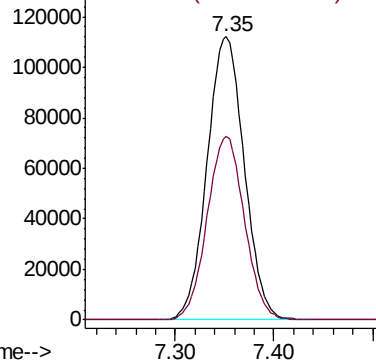


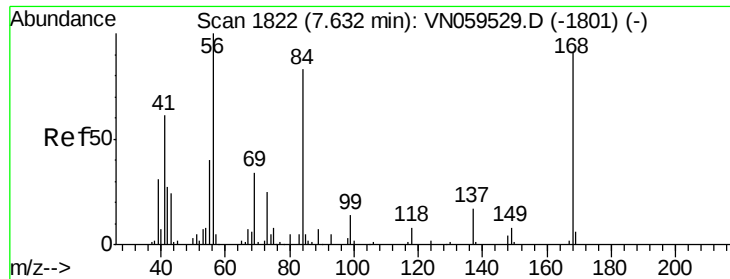
#30
Chloroform
Concen: 50.617 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Tgt Ion: 83 Resp: 293121
Ion Ratio Lower Upper
83 100
85 65.0 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

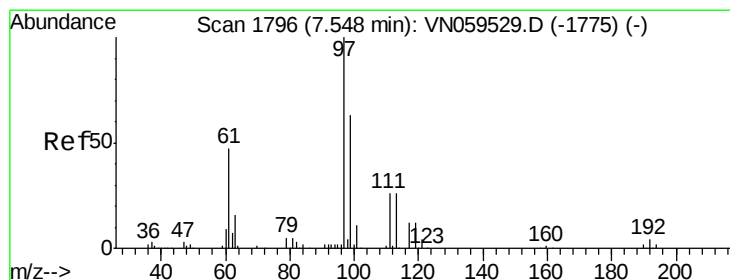
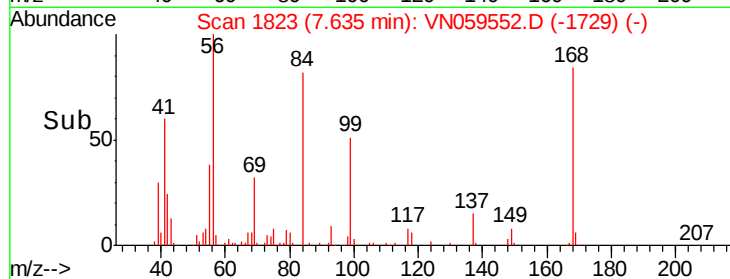
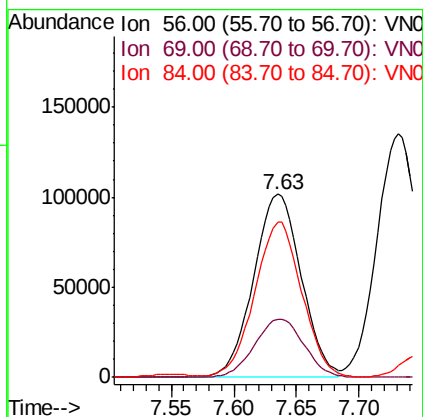
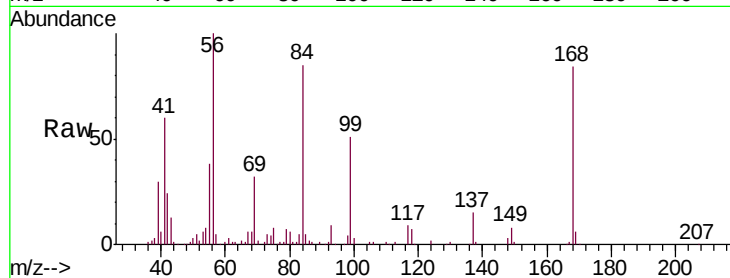




#31
Cyclohexane
Concen: 47.177 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

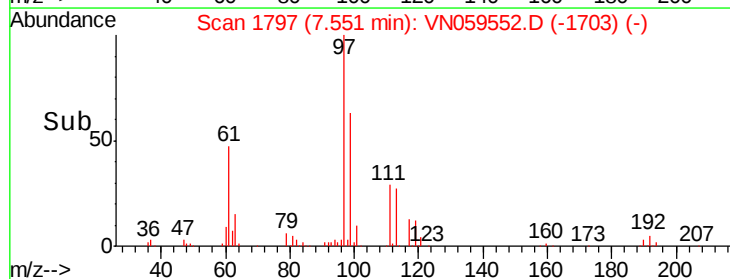
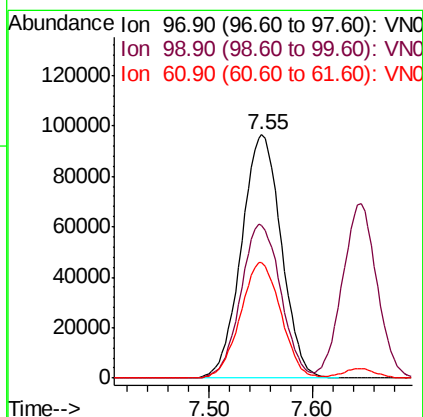
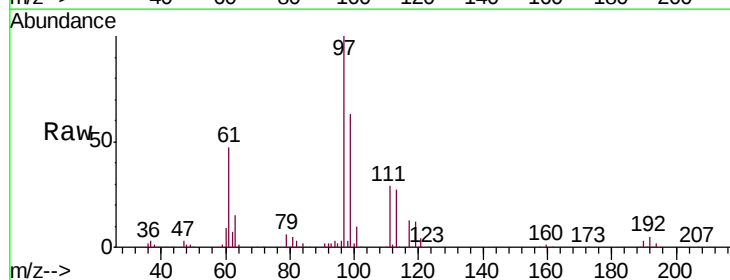
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

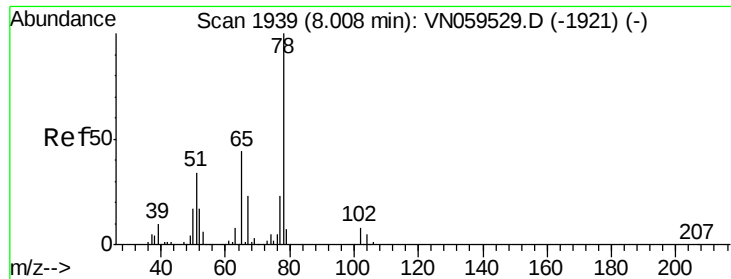
Tgt Ion: 56 Resp: 269389
Ion Ratio Lower Upper
56 100
69 31.6 26.9 40.3
84 83.7 66.5 99.7



#32
1,1,1-Trichloroethane
Concen: 50.367 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Tgt Ion: 97 Resp: 258752
Ion Ratio Lower Upper
97 100
99 63.4 51.4 77.2
61 48.3 38.5 57.7

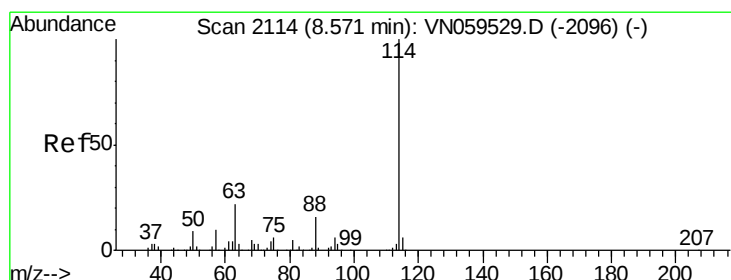
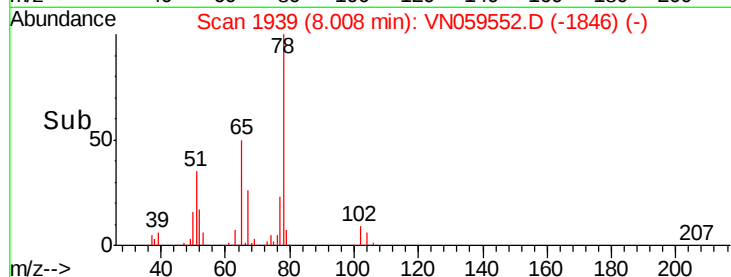
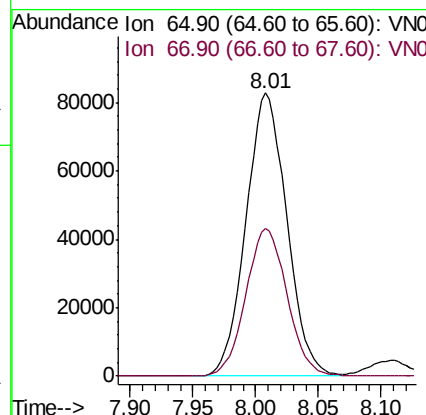
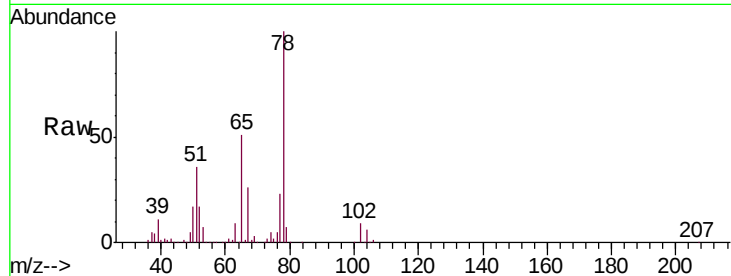




#33
 1,2-Dichloroethane-d4
 Concen: 49.600 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

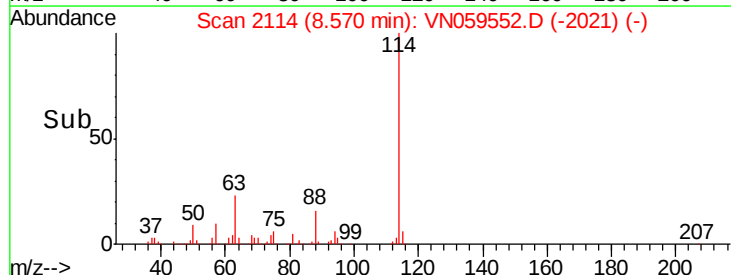
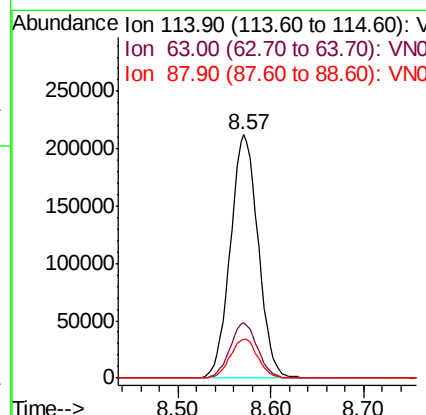
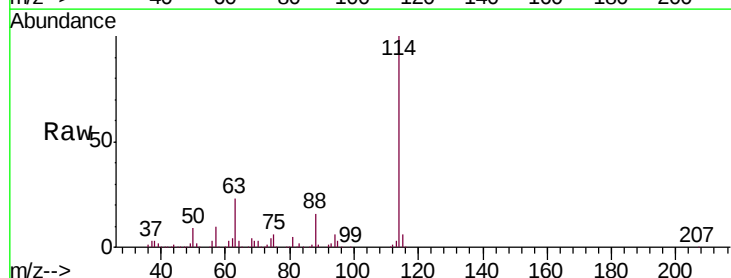
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

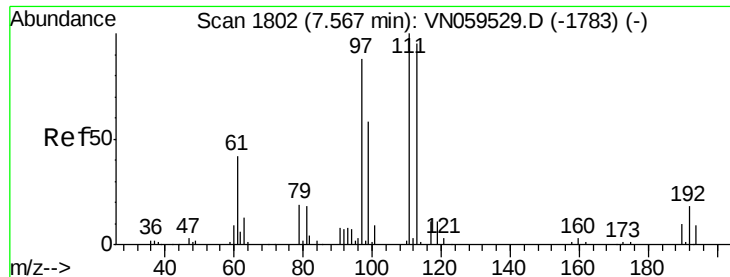
Tgt Ion: 65 Resp: 187958
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

Tgt Ion: 114 Resp: 440910
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.0
 88 16.1 0.0 32.2

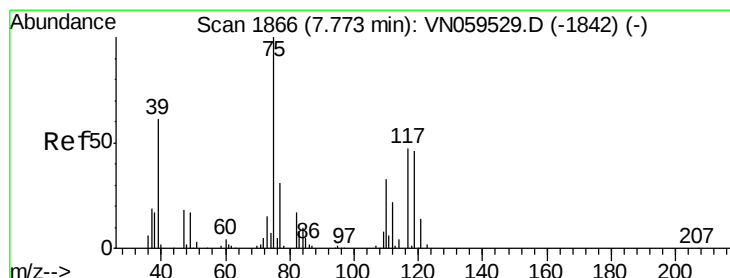
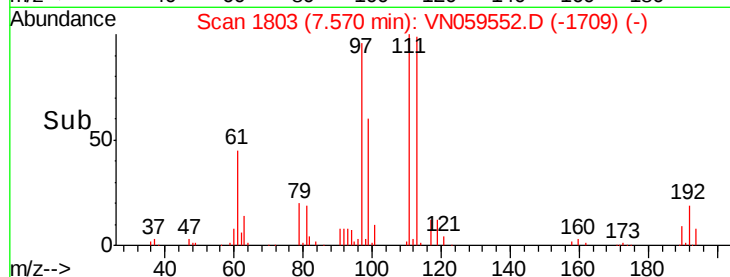
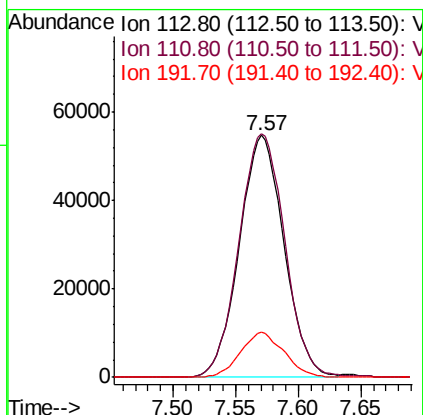
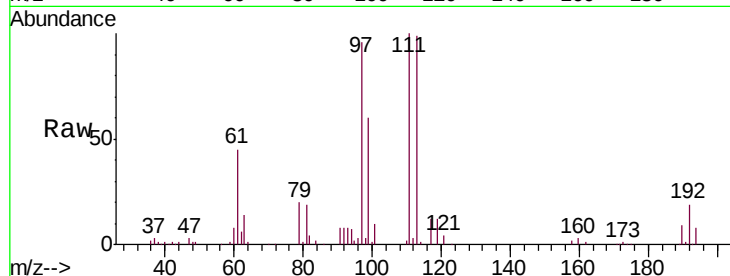




#35
 Dibromofluoromethane
 Concen: 51.523 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

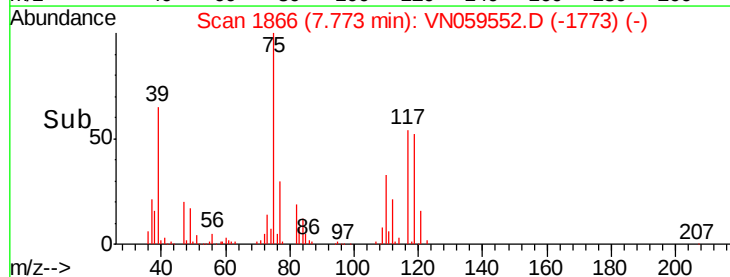
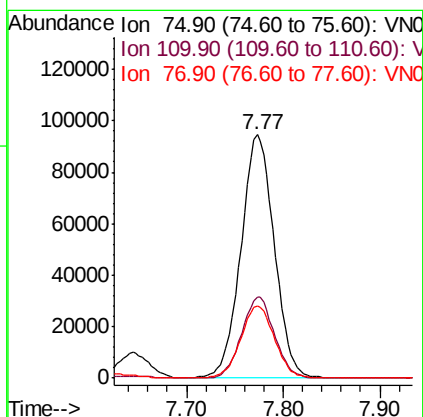
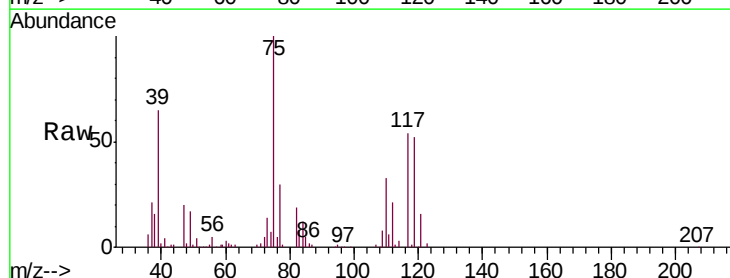
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

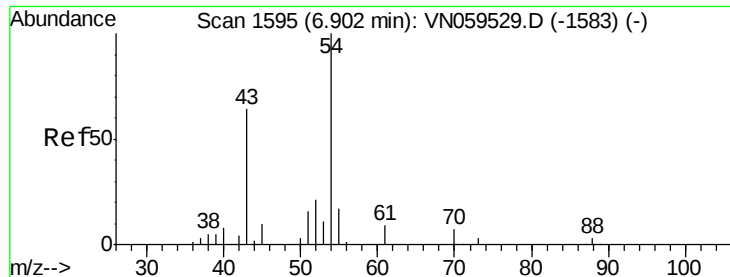
Tgt Ion: 113 Resp: 135562
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.2 123.4
 192 18.1 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 49.772 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

Tgt Ion: 75 Resp: 225147
 Ion Ratio Lower Upper
 75 100
 110 33.0 16.7 50.0
 77 30.4 24.6 37.0

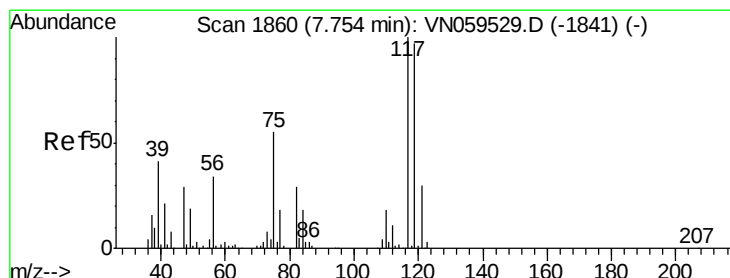
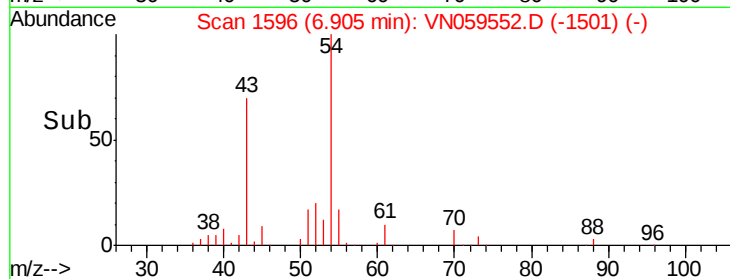
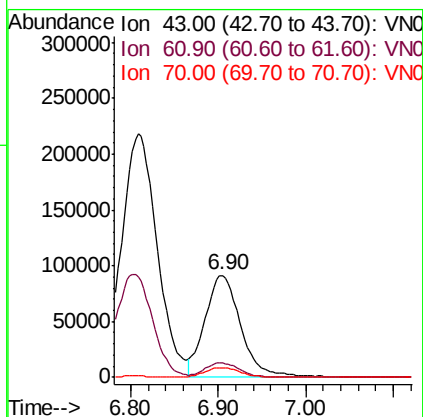
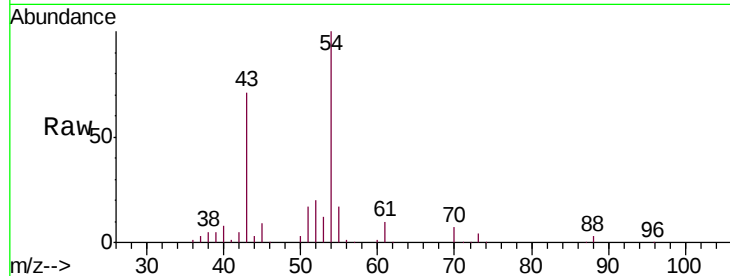




#37
Ethyl Acetate
Concen: 48.587 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

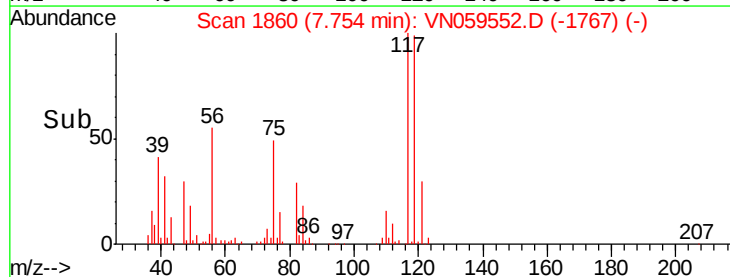
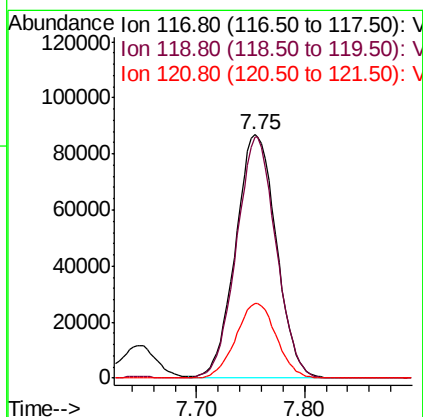
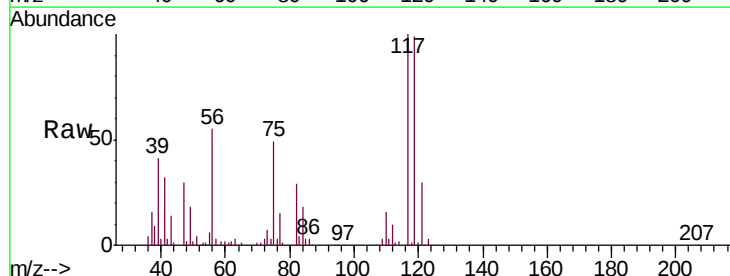
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

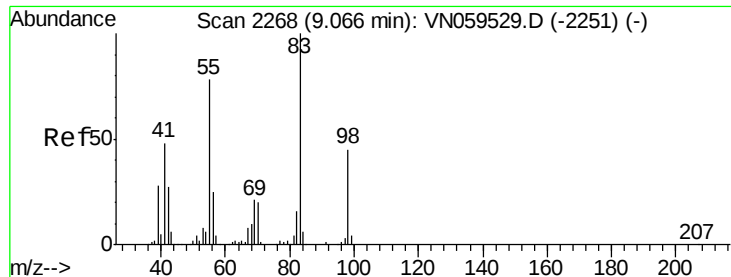
Tgt Ion: 43 Resp: 256062
Ion Ratio Lower Upper
43 100
61 13.9 11.0 16.6
70 9.7 7.7 11.5



#38
Carbon Tetrachloride
Concen: 51.216 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Tgt Ion: 117 Resp: 228363
Ion Ratio Lower Upper
117 100
119 99.1 77.0 115.4
121 30.4 24.1 36.1

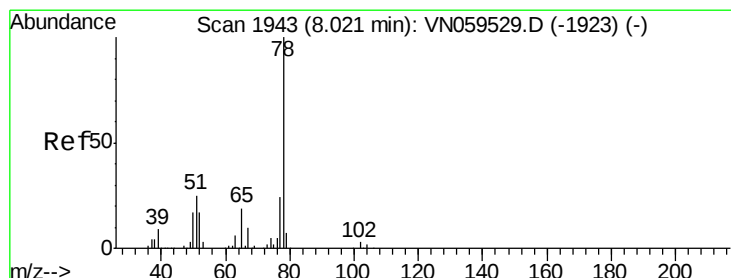
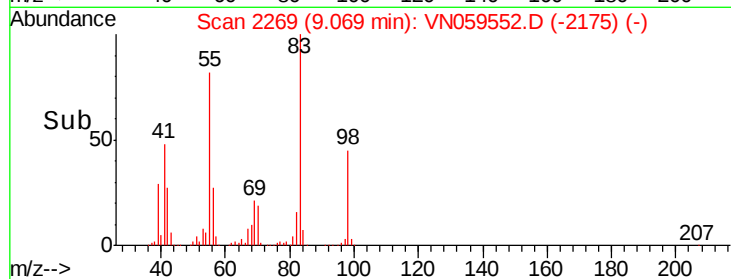
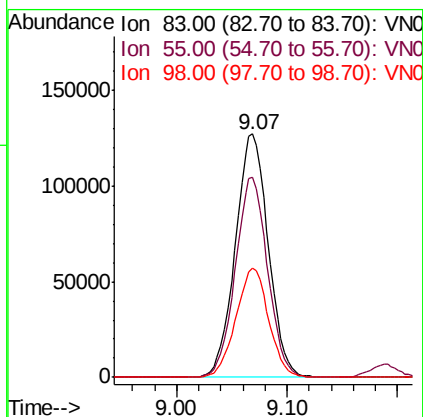
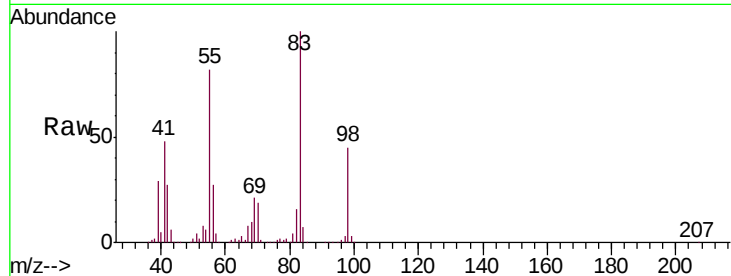




#39
Methylcyclohexane
Concen: 51.811 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

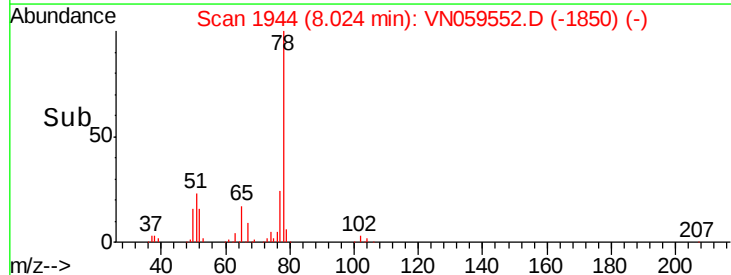
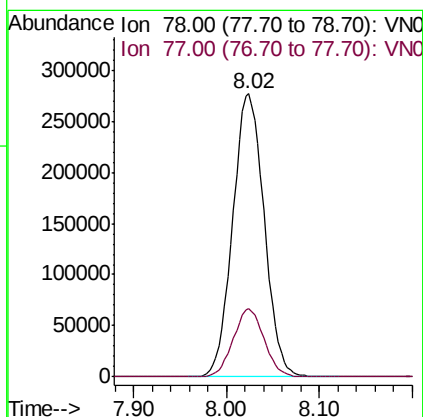
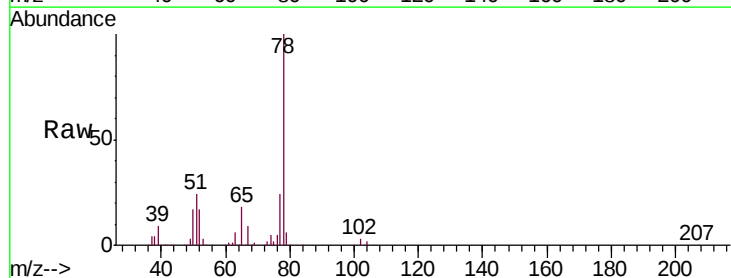
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

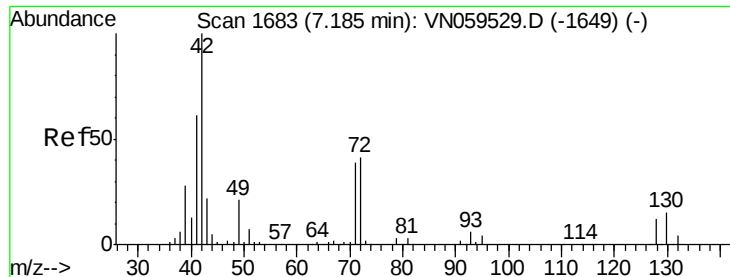
Tgt Ion: 83 Resp: 262899
Ion Ratio Lower Upper
83 100
55 82.3 62.7 94.1
98 44.9 35.7 53.5



#40
Benzene
Concen: 50.435 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Tgt Ion: 78 Resp: 651747
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2

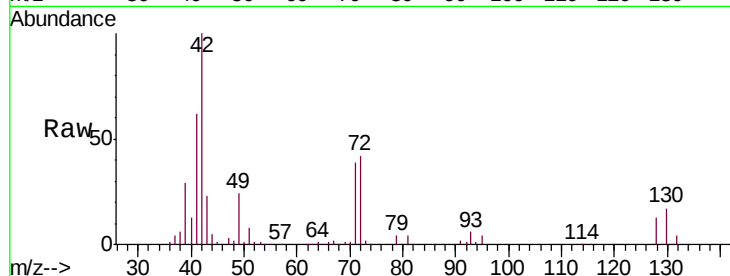




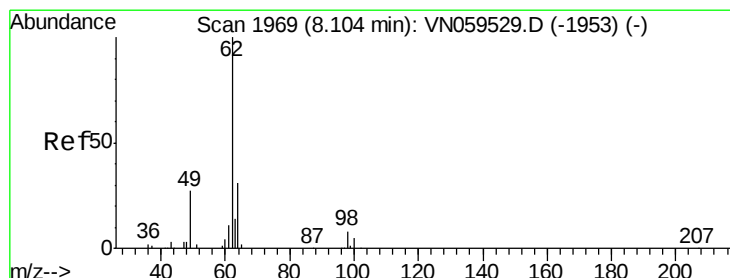
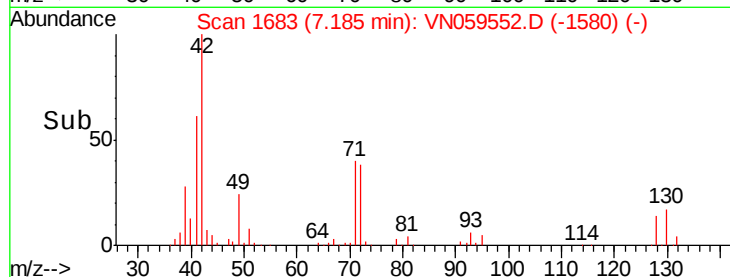
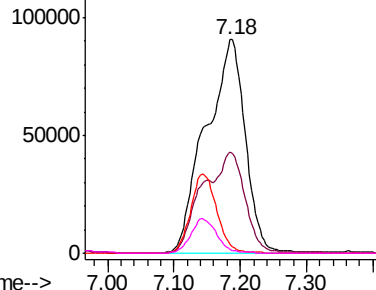
#41
Methacrylonitrile
Concen: 170.872 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	375632
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

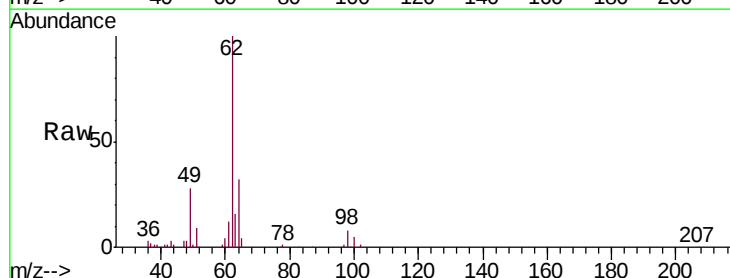


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

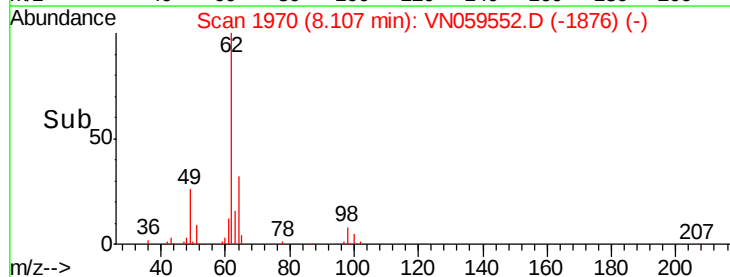
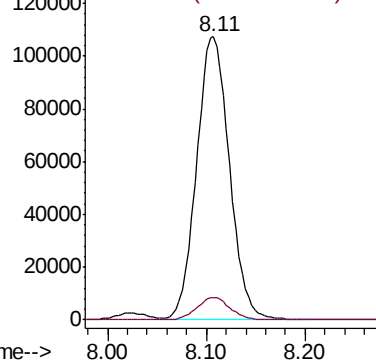


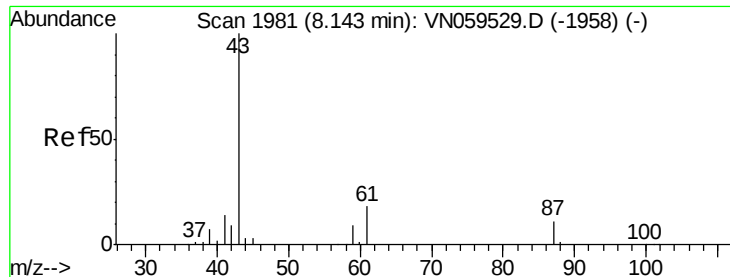
#42
1,2-Dichloroethane
Concen: 51.764 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Tgt Ion:	62	Resp:	249231
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.4



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

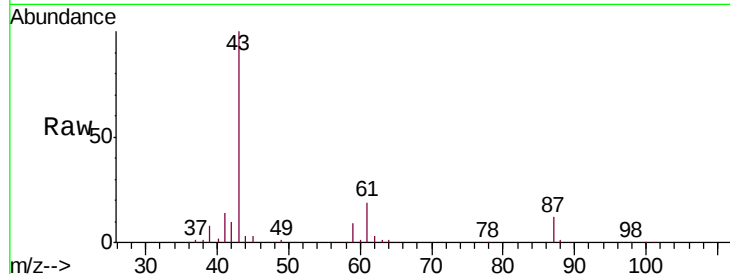




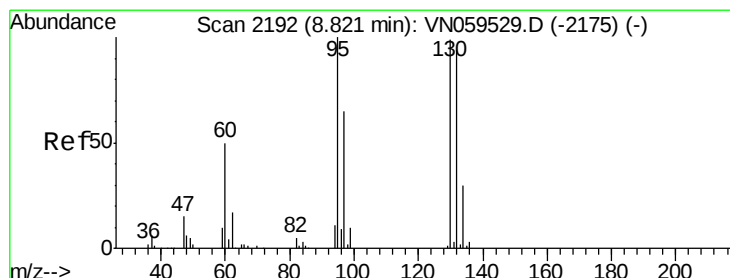
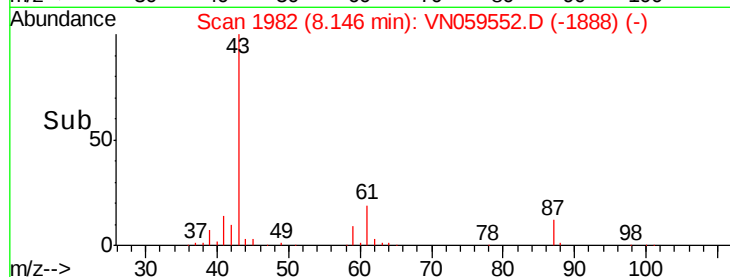
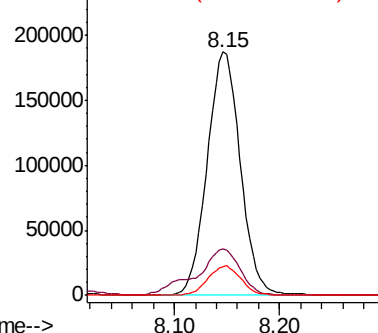
#43
Isopropyl Acetate
Concen: 52.053 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 406463
Ion Ratio Lower Upper
43 100
61 25.5 19.8 29.6
87 12.1 9.4 14.2

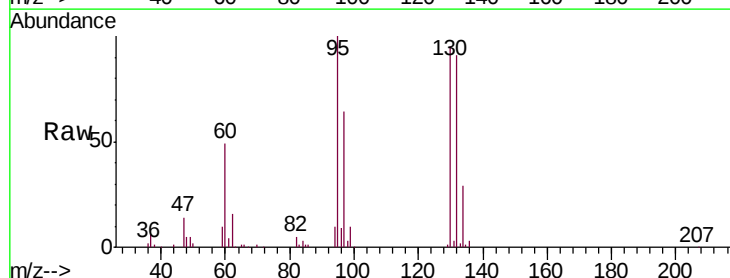


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

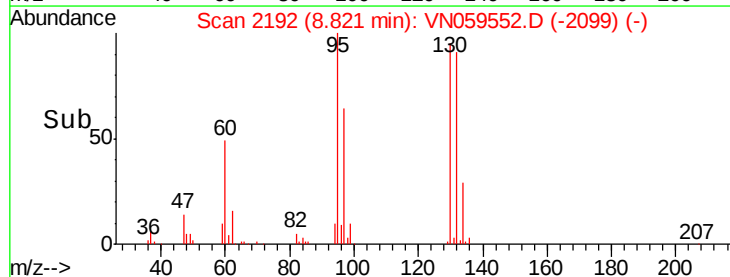
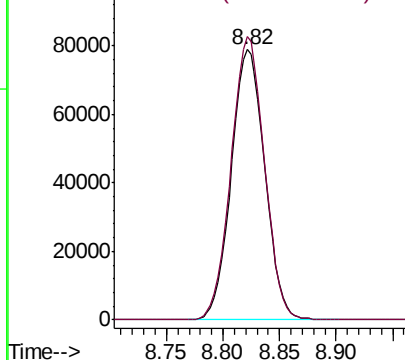


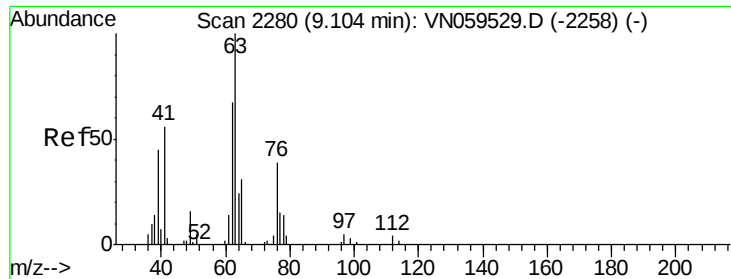
#44
Trichloroethene
Concen: 49.933 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Tgt Ion: 130 Resp: 163016
Ion Ratio Lower Upper
130 100
95 104.8 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

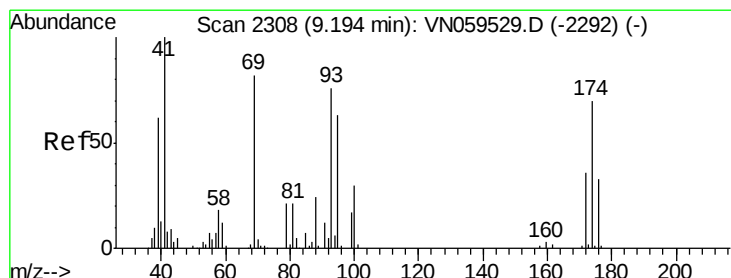
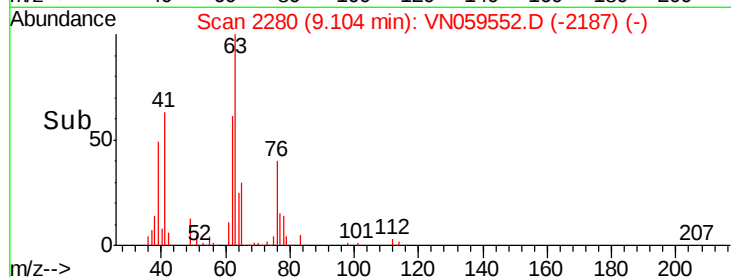
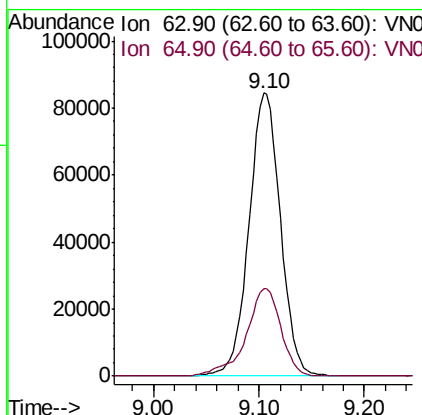
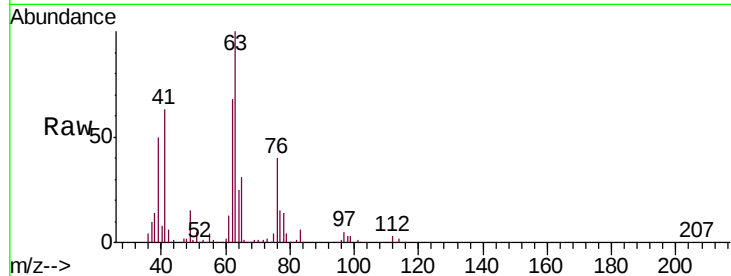




#45
 1,2-Dichloropropane
 Concen: 51.321 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

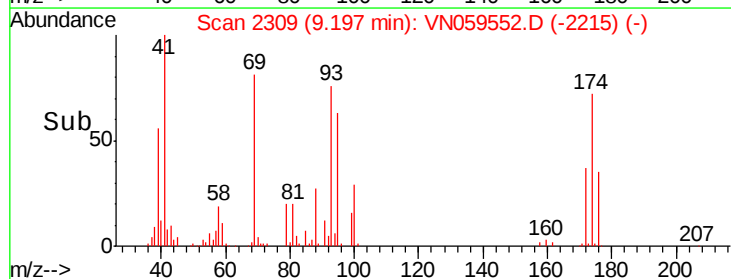
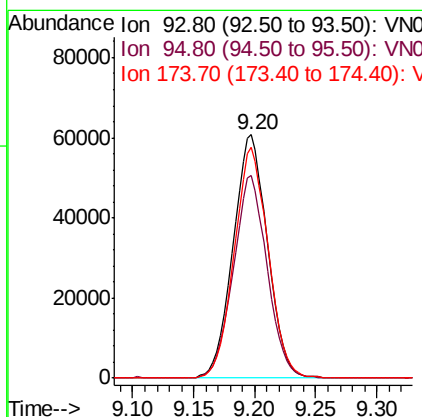
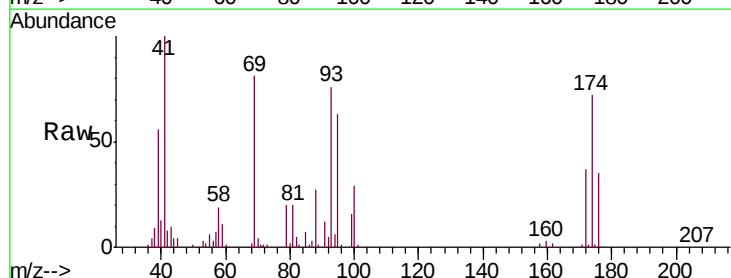
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

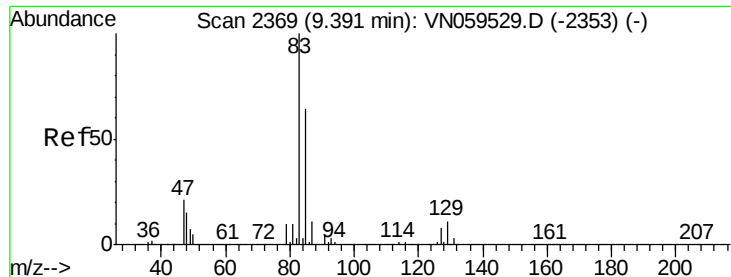
Tgt Ion: 63 Resp: 175688
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.8 37.2



#46
 Dibromomethane
 Concen: 52.463 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

Tgt Ion: 93 Resp: 118691
 Ion Ratio Lower Upper
 93 100
 95 82.1 67.0 100.6
 174 93.6 75.6 113.4

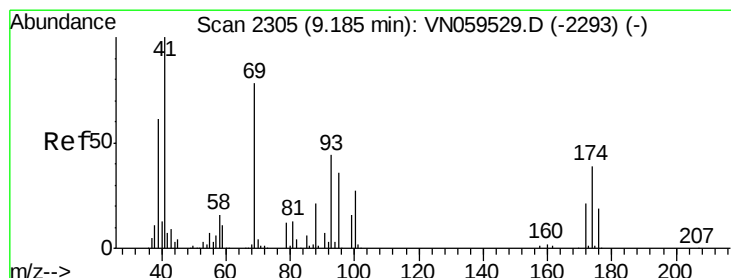
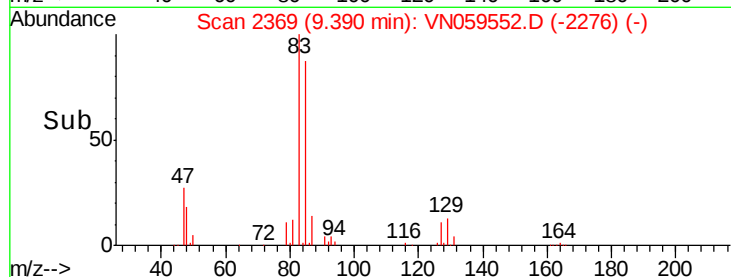
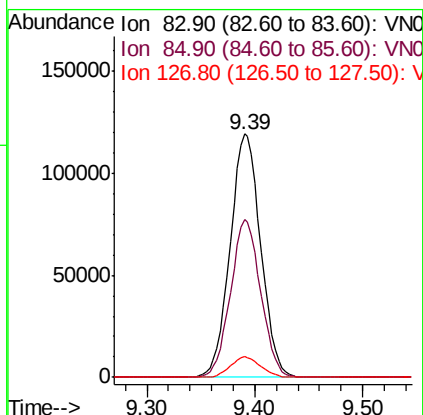
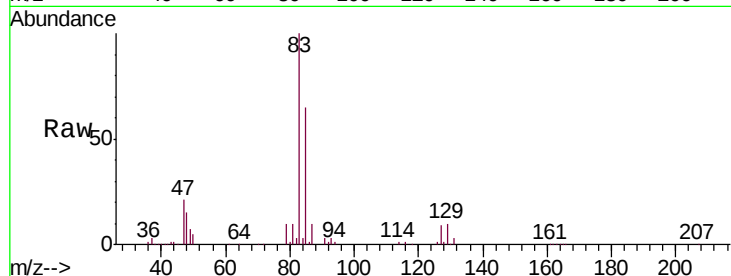




#47
Bromodichloromethane
Concen: 52.274 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

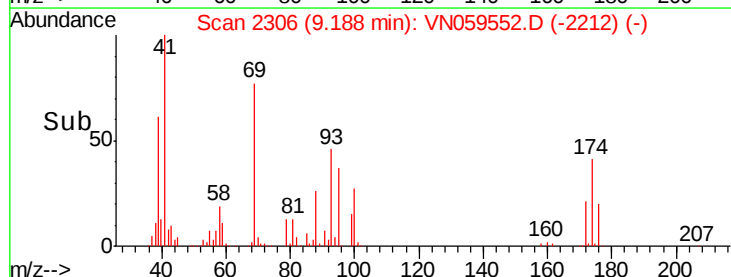
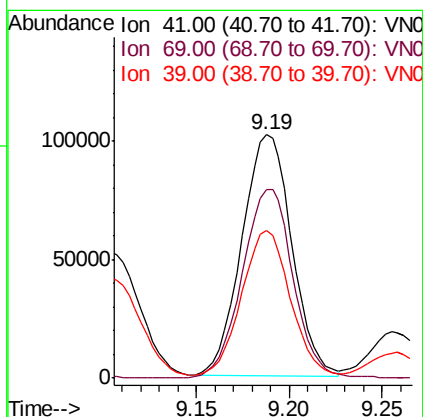
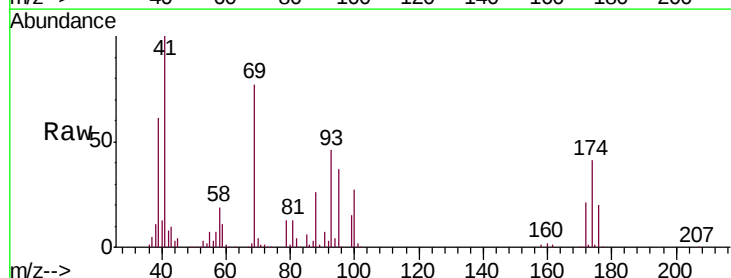
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

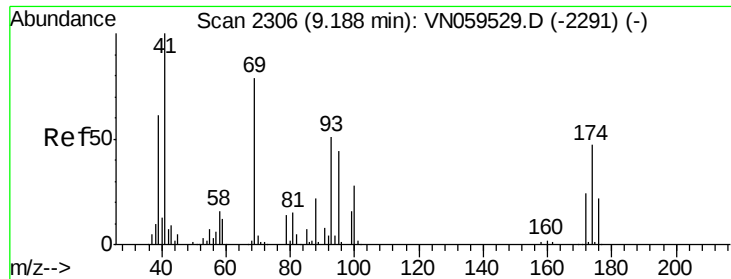
Tgt Ion: 83 Resp: 235041
Ion Ratio Lower Upper
83 100
85 64.9 51.4 77.0
127 8.5 6.7 10.1



#48
Methyl methacrylate
Concen: 55.827 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Tgt Ion: 41 Resp: 190608
Ion Ratio Lower Upper
41 100
69 80.2 64.0 96.0
39 60.7 50.0 75.0

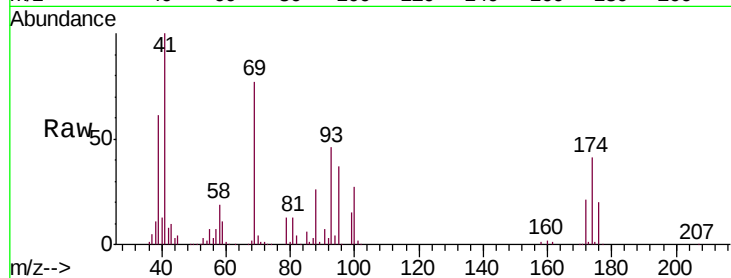




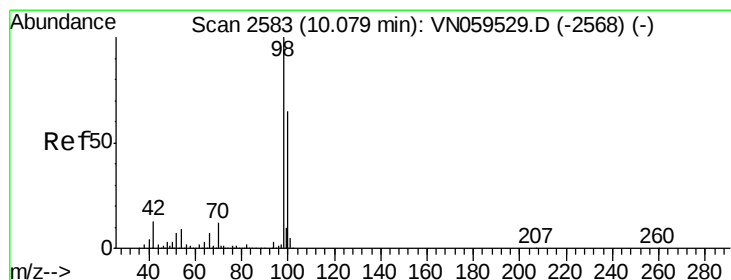
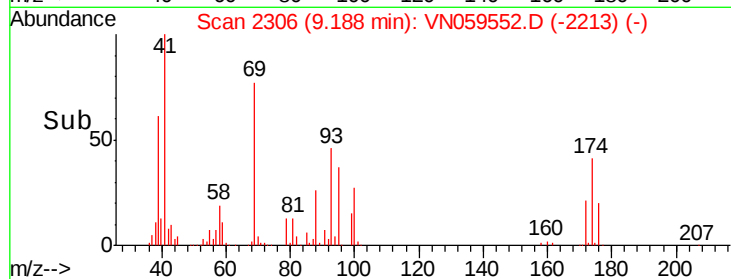
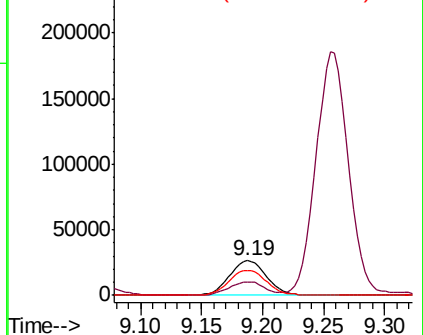
#49
1,4-Dioxane
Concen: 1291.540 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 56420
Ion Ratio Lower Upper
88 100
43 36.8 31.4 47.0
58 72.5 61.0 91.6

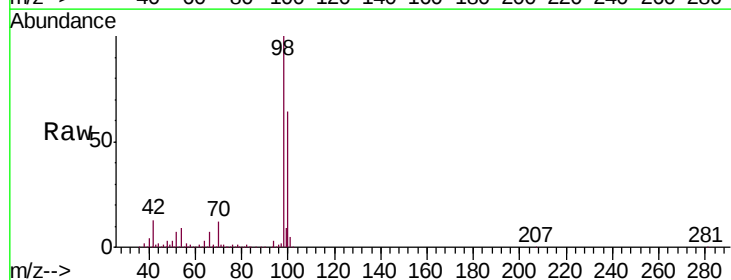


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

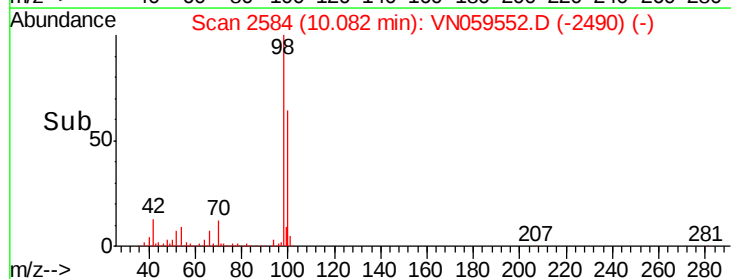
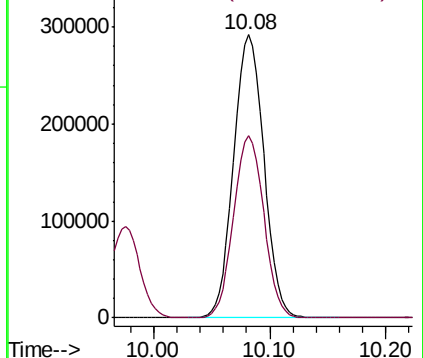


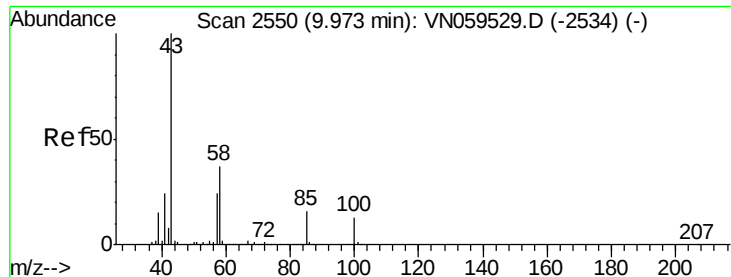
#50
Toluene-d8
Concen: 49.420 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Tgt Ion: 98 Resp: 530851
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8



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

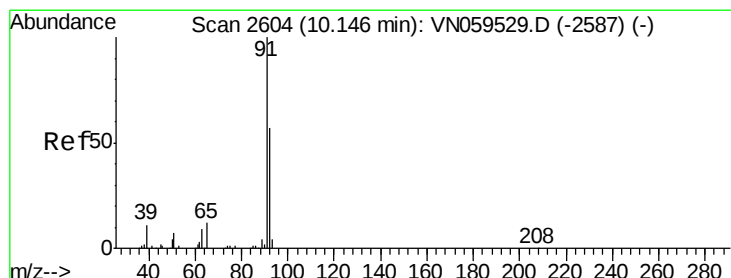
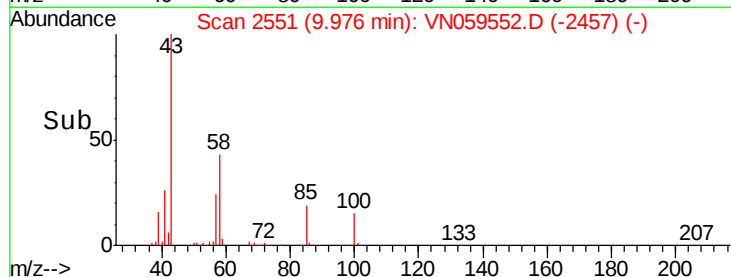
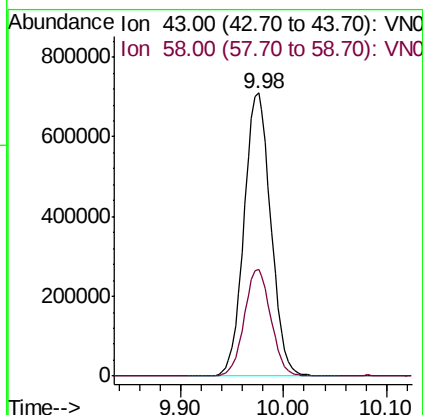
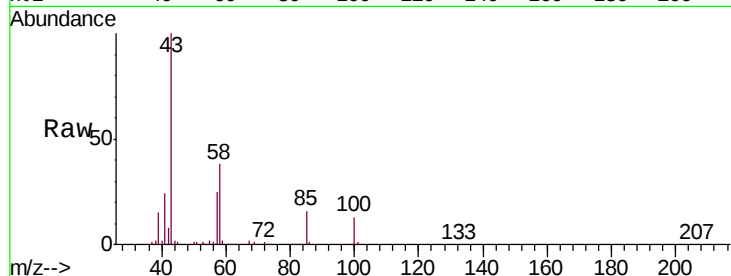




#51
 4-Methyl-2-Pentanone
 Concen: 257.549 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

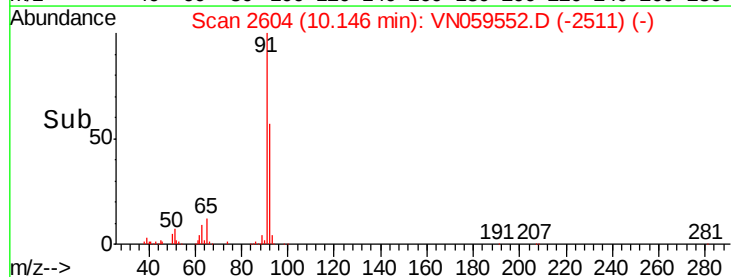
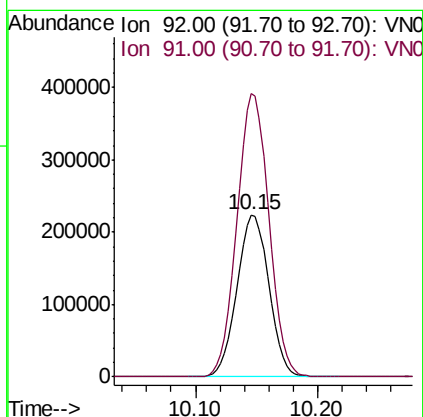
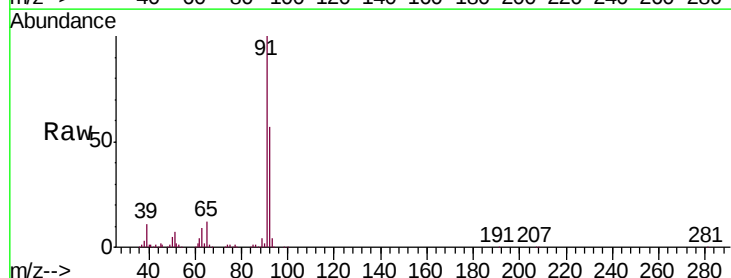
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

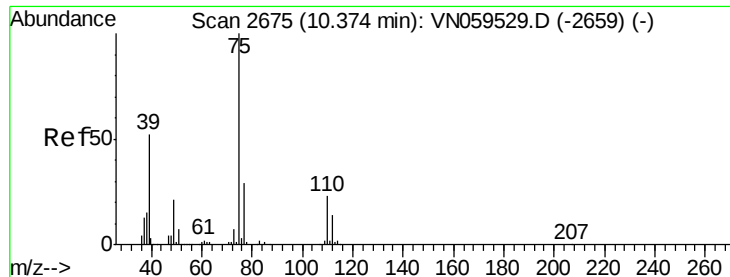
Tgt Ion: 43 Resp: 1277696
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.1 45.1



#52
 Toluene
 Concen: 52.626 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. -0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

Tgt Ion: 92 Resp: 405199
 Ion Ratio Lower Upper
 92 100
 91 175.0 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 51.838 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

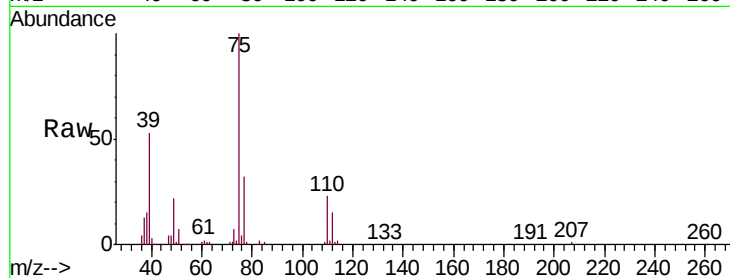
VSTDCCC050EC

Tgt Ion: 75 Resp: 271569

Ion Ratio Lower Upper

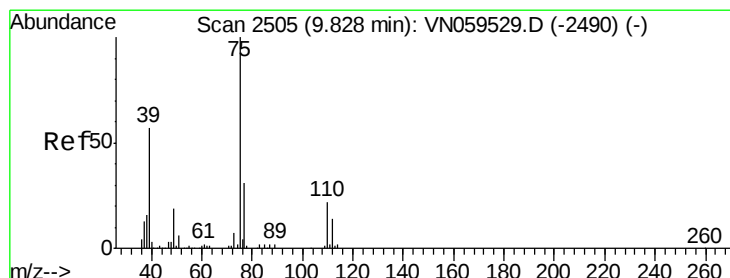
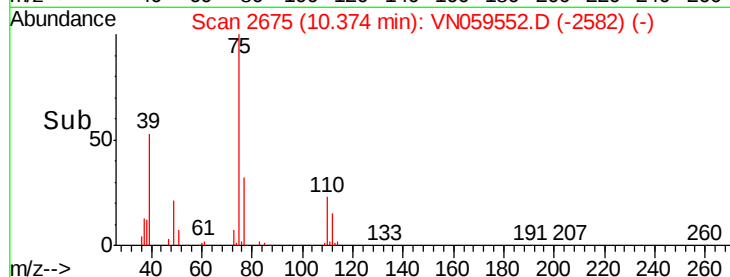
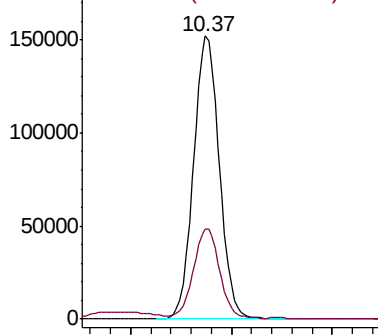
75 100

77 31.6 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.258 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

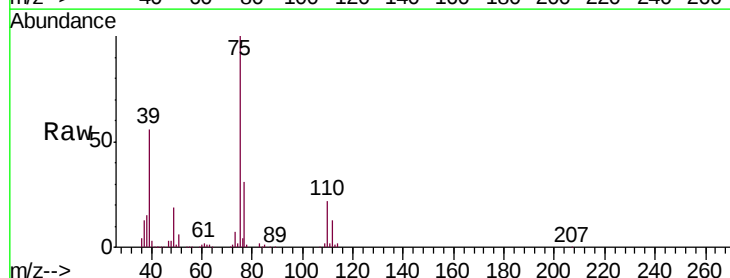
Tgt Ion: 75 Resp: 285553

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8

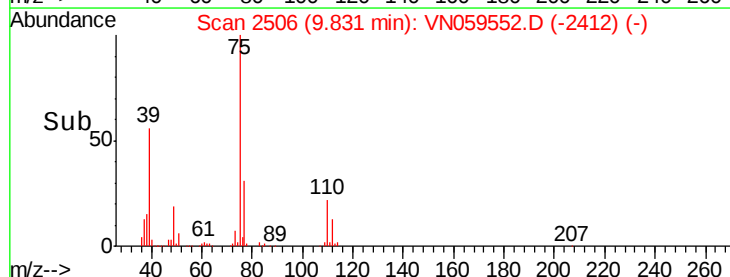
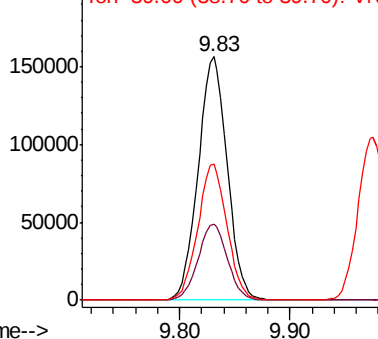
39 55.9 45.6 68.4

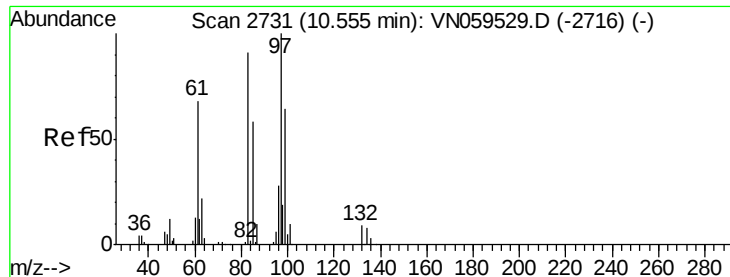


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 51.941 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 161746

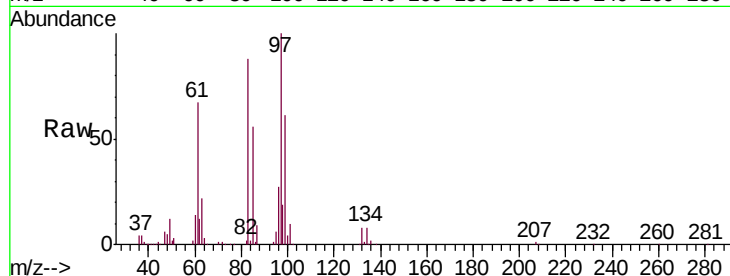
Ion Ratio Lower Upper

97 100

83 87.6 72.9 109.3

85 55.9 46.1 69.1

99 61.5 50.8 76.2

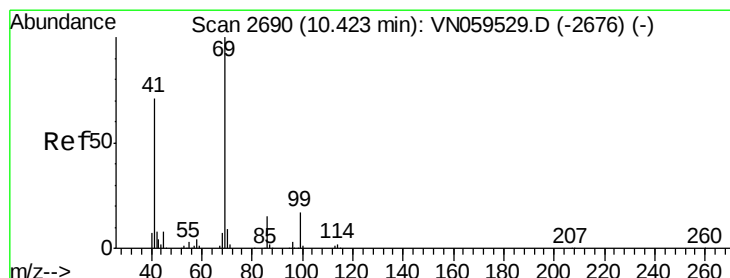
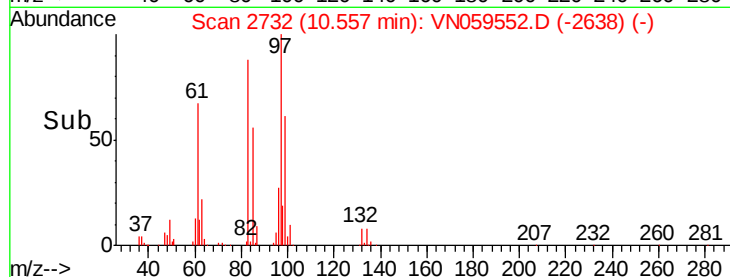
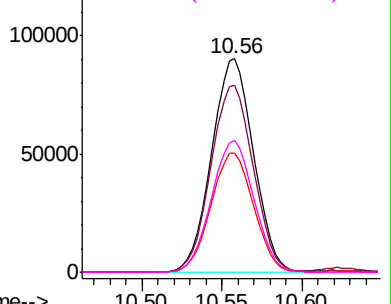


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 46.723 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

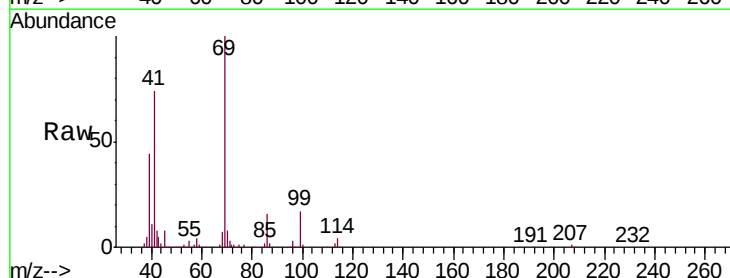
Tgt Ion: 69 Resp: 249857

Ion Ratio Lower Upper

69 100

41 72.0 57.7 86.5

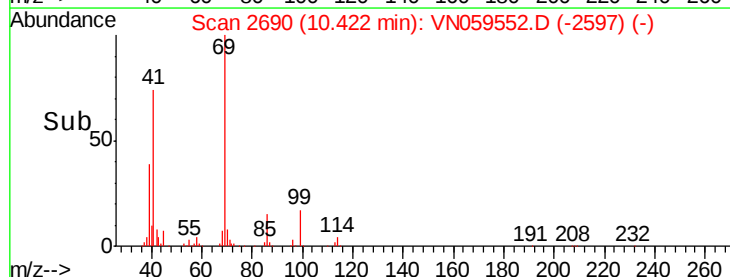
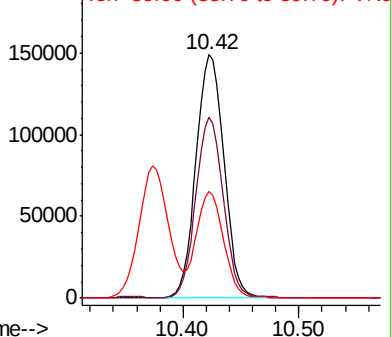
39 42.3 34.2 51.2

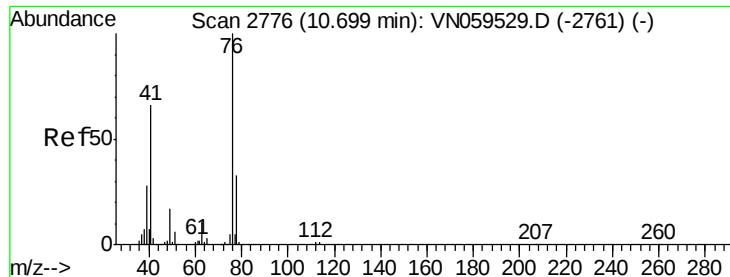


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.285 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

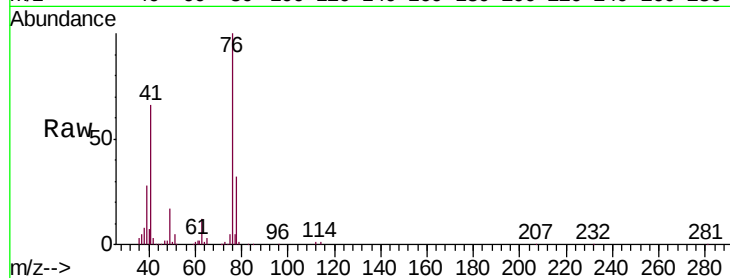
VSTDCCC050EC

Tgt Ion: 76 Resp: 278074

Ion Ratio Lower Upper

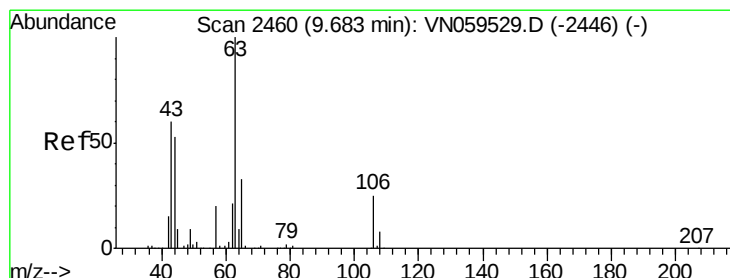
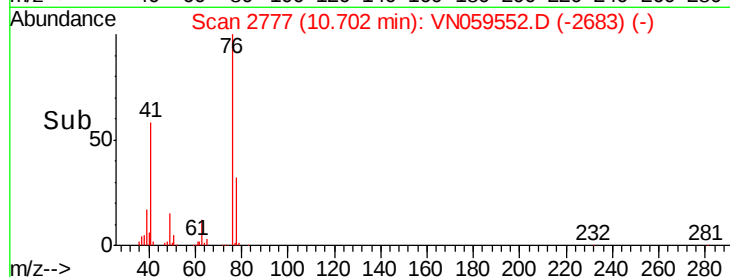
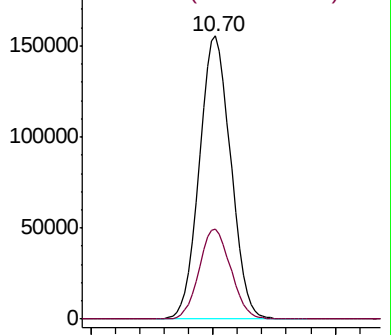
76 100

78 32.3 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 313.584 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059552.D

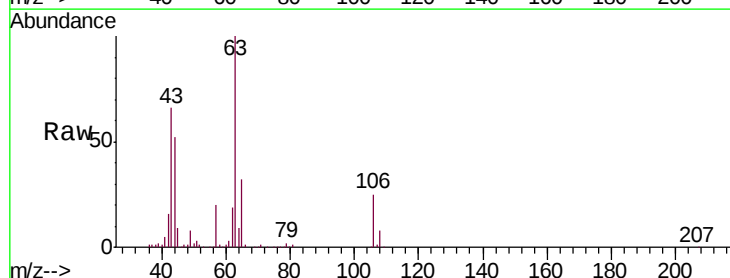
Acq: 10 Dec 2019 17:00

Tgt Ion: 63 Resp: 400040

Ion Ratio Lower Upper

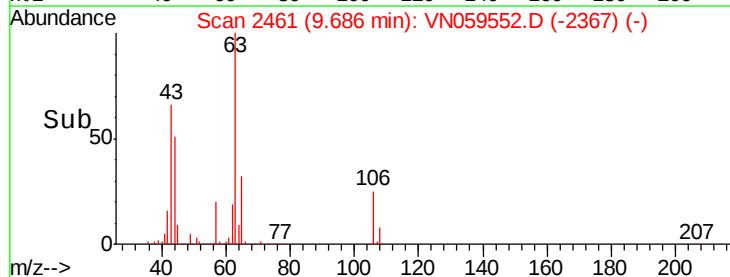
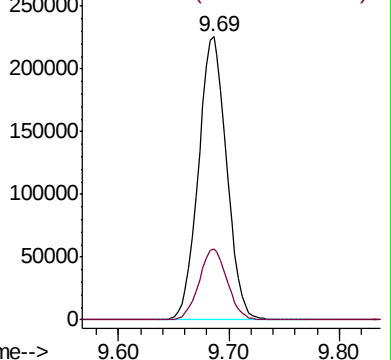
63 100

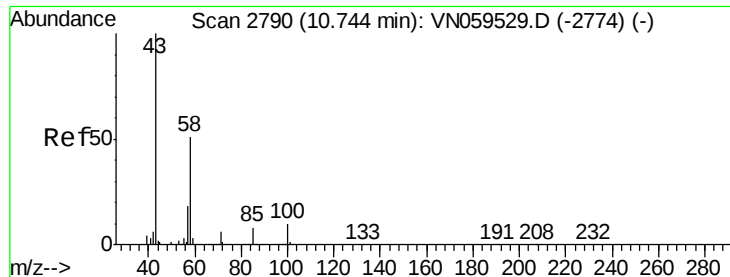
106 25.0 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

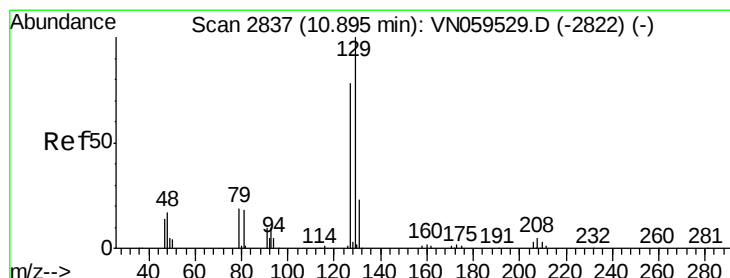
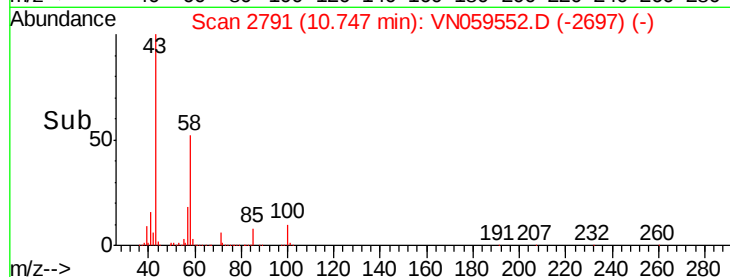
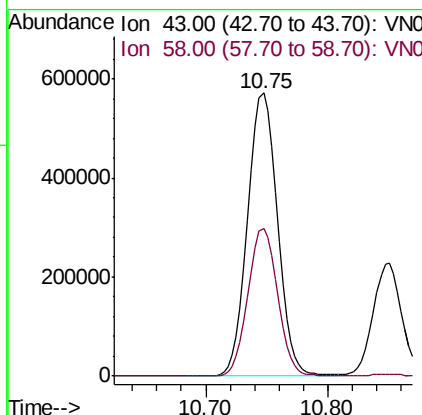
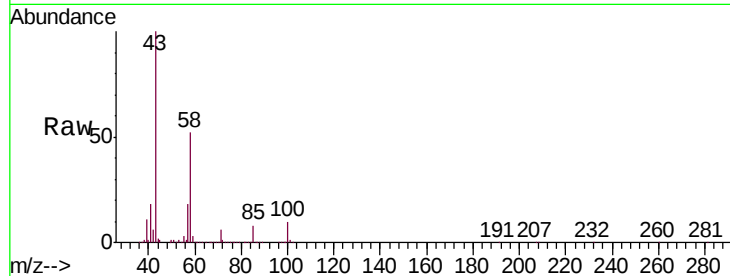




#59
2-Hexanone
Concen: 254.307 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

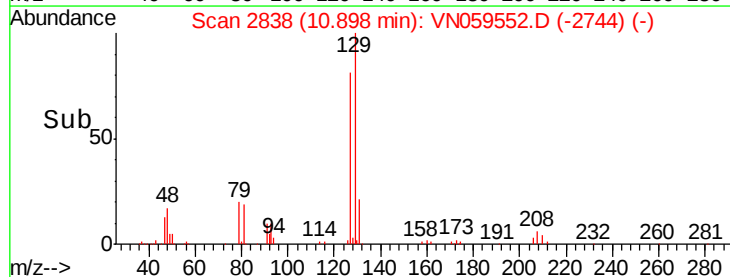
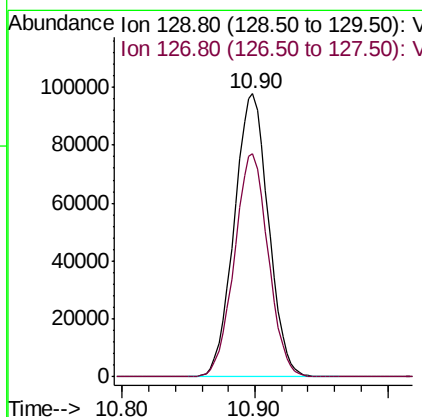
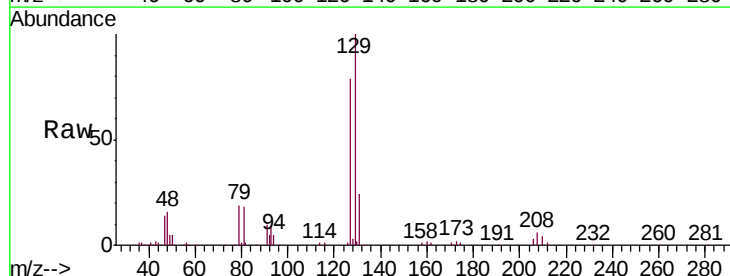
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

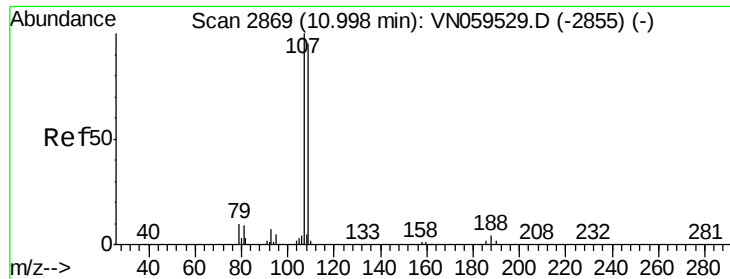
Tgt Ion: 43 Resp: 963867
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.6



#60
Dibromochloromethane
Concen: 47.290 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Tgt Ion: 129 Resp: 175540
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6

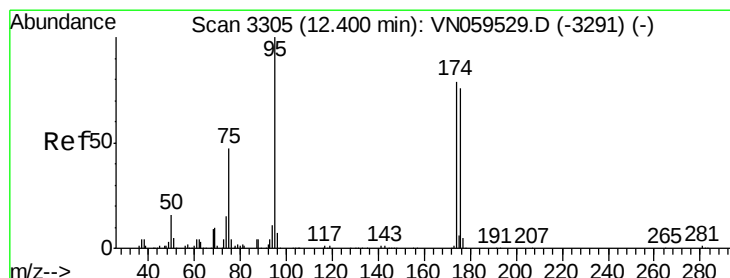
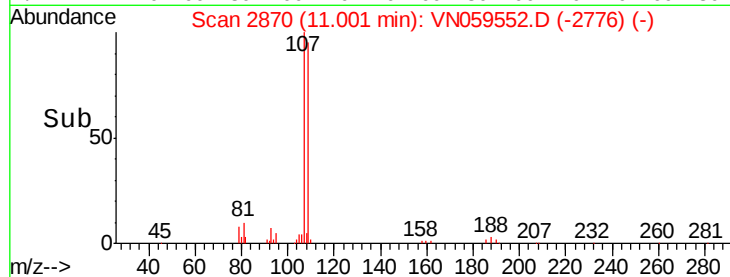
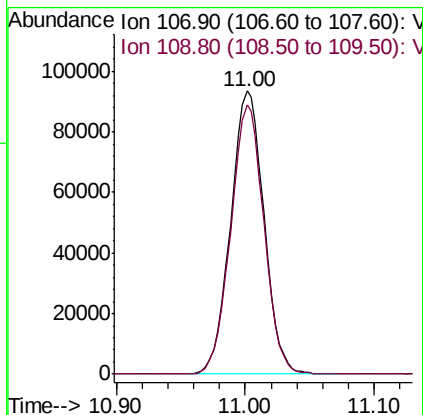
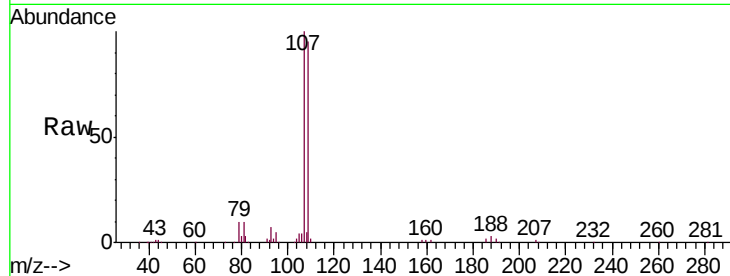




#61
 1,2-Dibromoethane
 Concen: 51.625 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

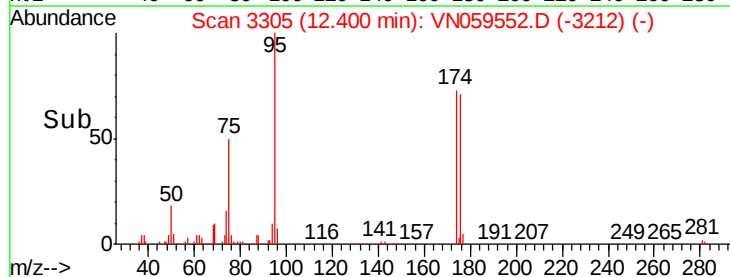
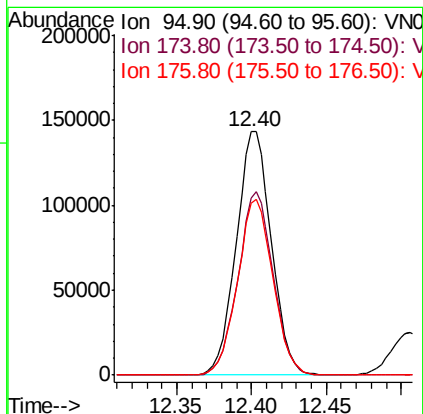
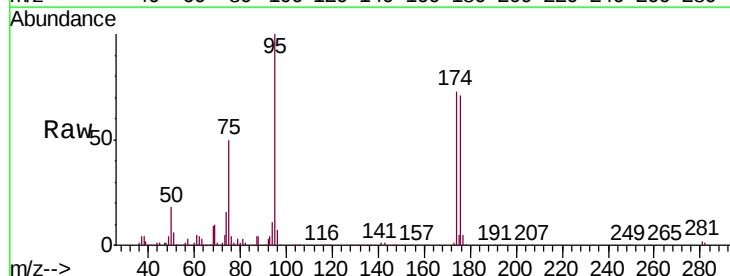
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

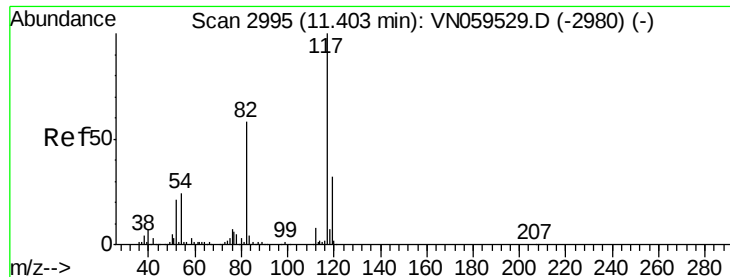
Tgt Ion: 107 Resp: 167359
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 58.919 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

Tgt Ion: 95 Resp: 234272
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 158.0
 176 72.7 0.0 155.4

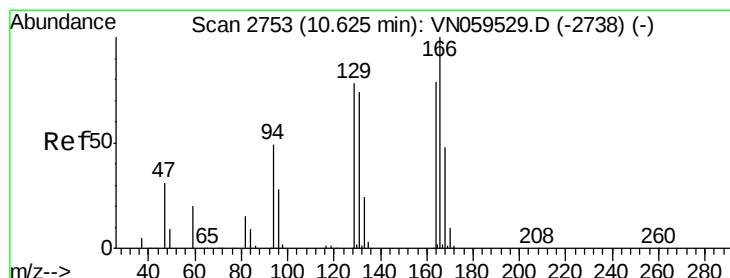
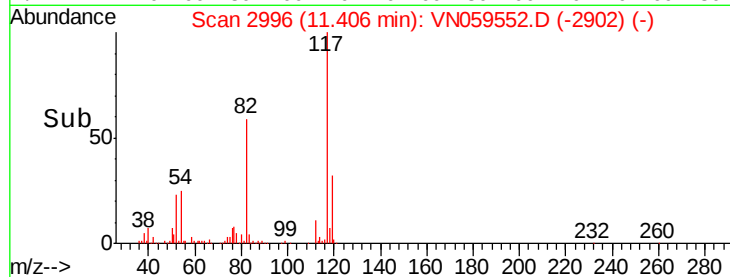
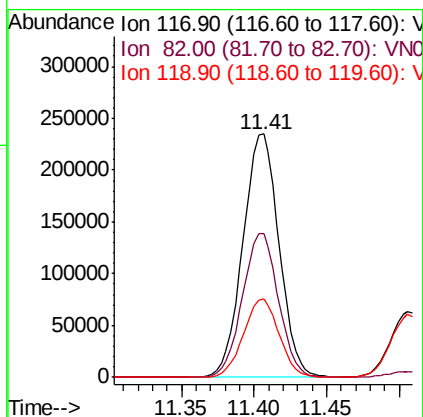
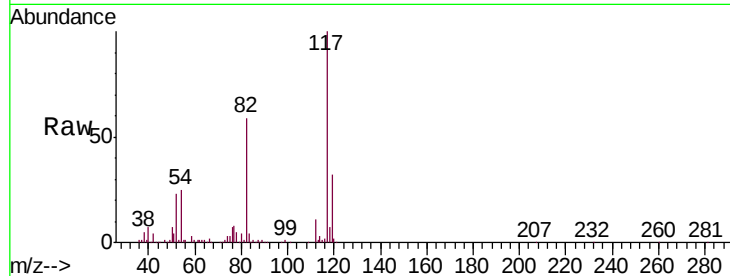




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

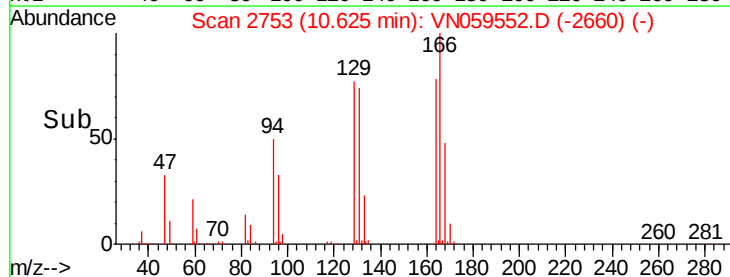
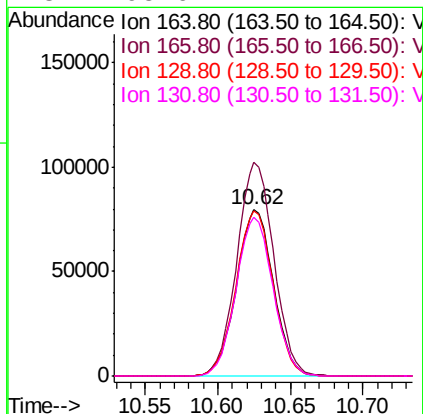
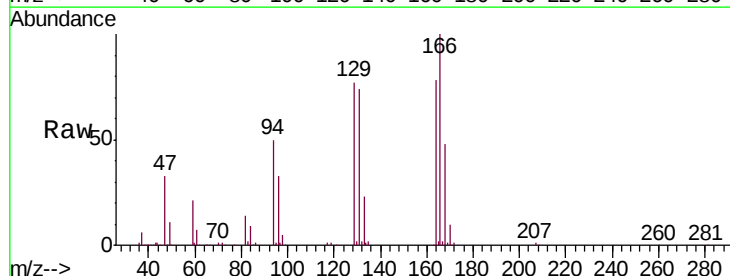
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

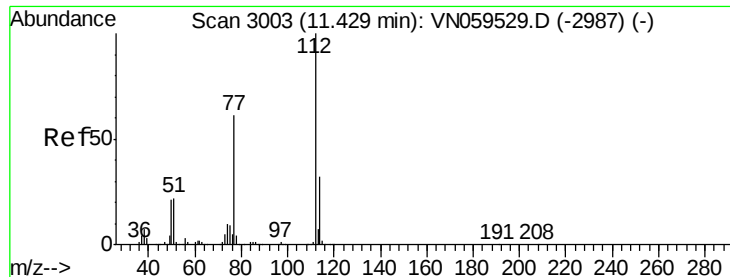
Tgt Ion:117 Resp: 408037
Ion Ratio Lower Upper
117 100
82 58.9 46.5 69.7
119 32.0 25.2 37.8



#64
Tetrachloroethene
Concen: 47.399 ug/l
RT: 10.62 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Tgt Ion:164 Resp: 141352
Ion Ratio Lower Upper
164 100
166 128.7 101.6 152.4
129 99.6 79.0 118.6
131 95.6 74.7 112.1

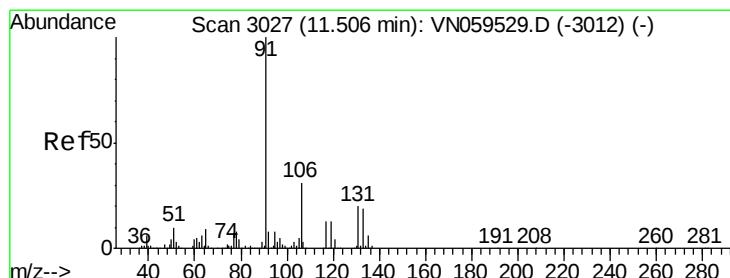
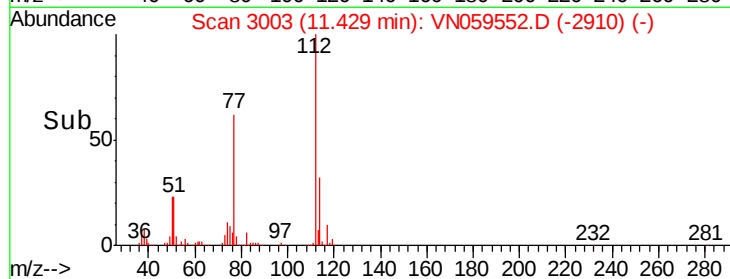
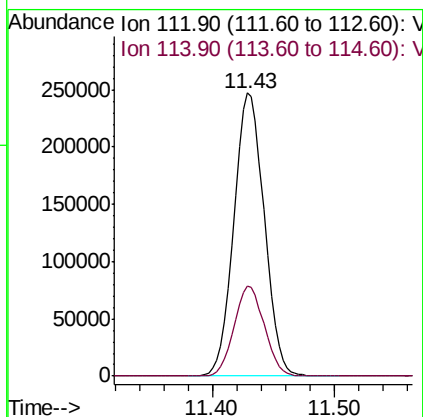
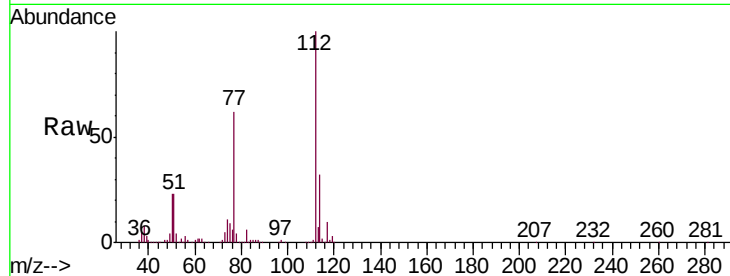




#65
Chlorobenzene
Concen: 49.802 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

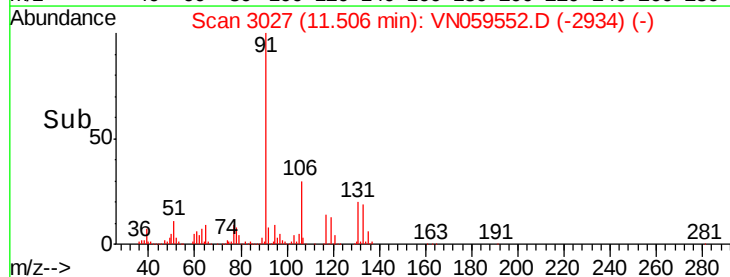
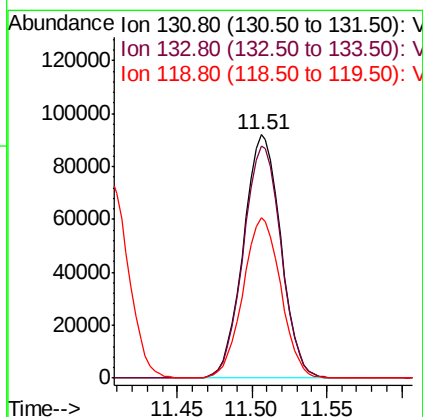
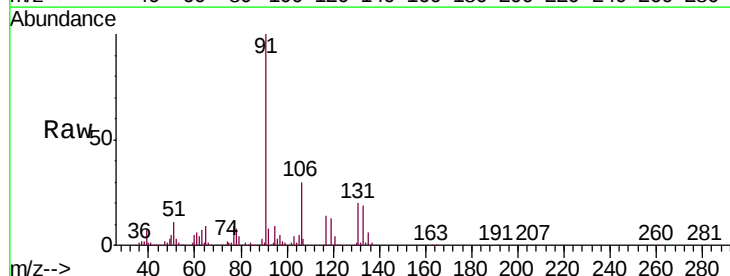
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

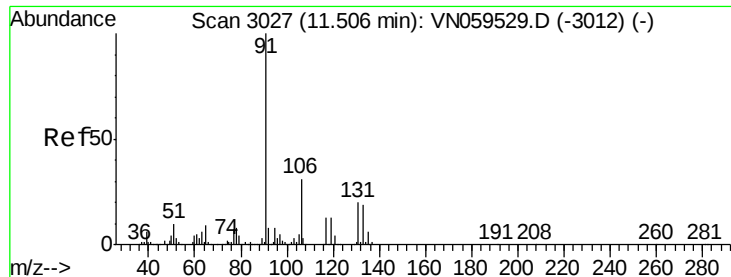
Tgt Ion:112 Resp: 425789
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.416 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Tgt Ion:131 Resp: 160763
Ion Ratio Lower Upper
131 100
133 96.3 47.8 143.3
119 66.3 33.4 100.2





#67

Ethyl Benzene

Concen: 50.930 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

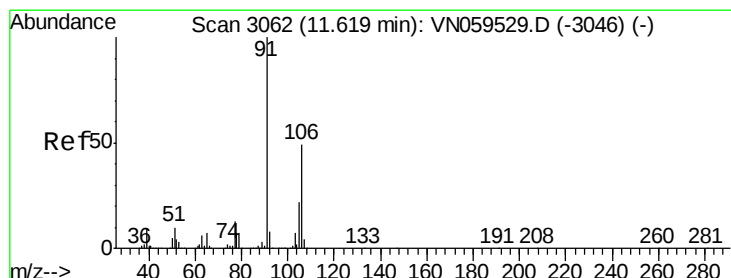
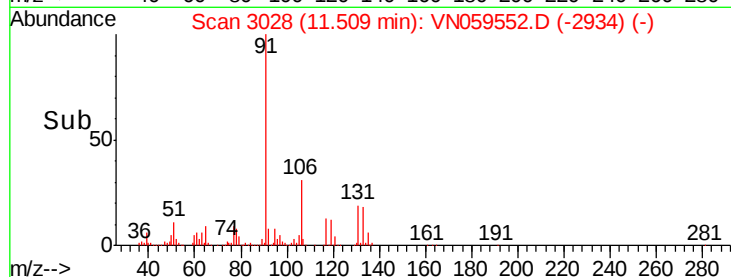
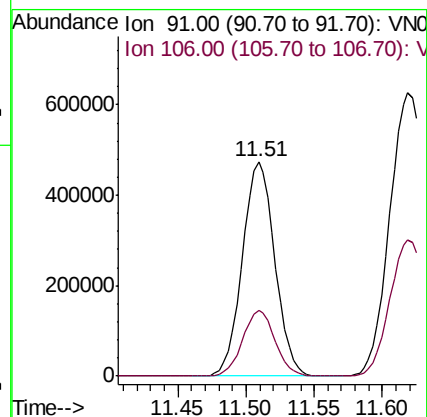
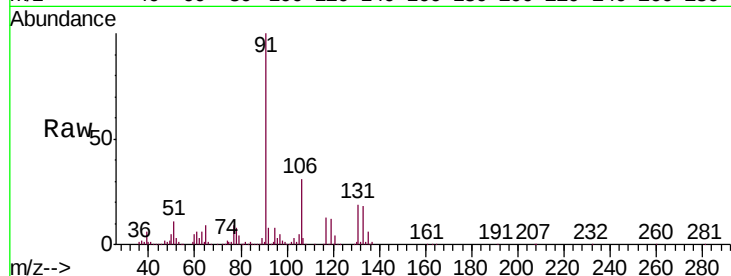
VSTDCCC050EC

Tgt Ion: 91 Resp: 783566

Ion Ratio Lower Upper

91 100

106 30.5 24.5 36.7



#68

m/p-Xylenes

Concen: 100.787 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059552.D

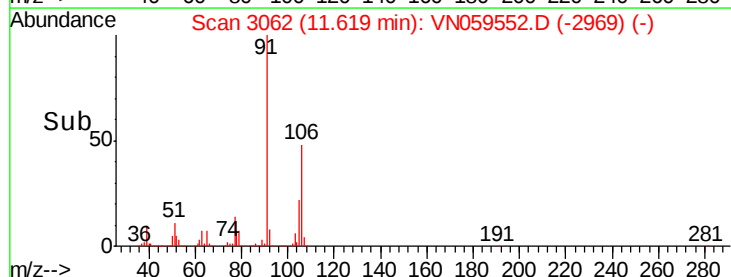
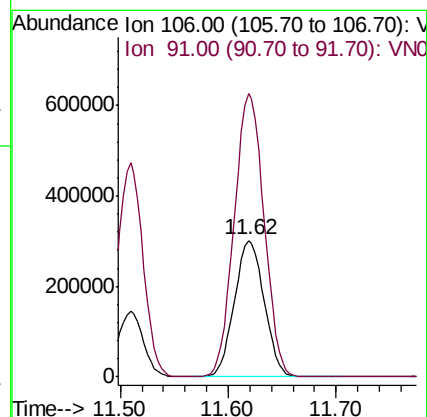
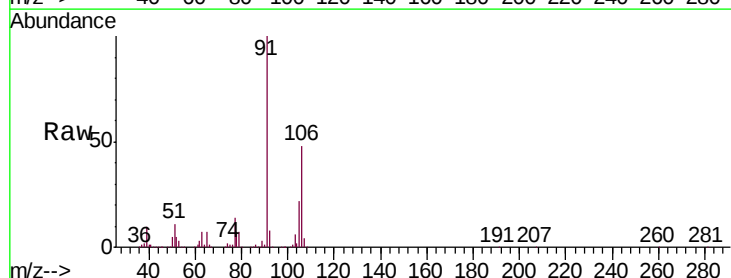
Acq: 10 Dec 2019 17:00

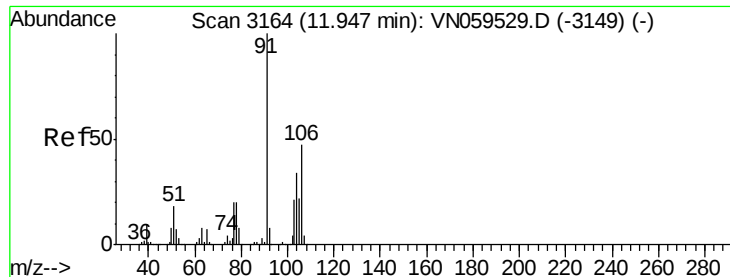
Tgt Ion: 106 Resp: 581683

Ion Ratio Lower Upper

106 100

91 207.8 162.9 244.3

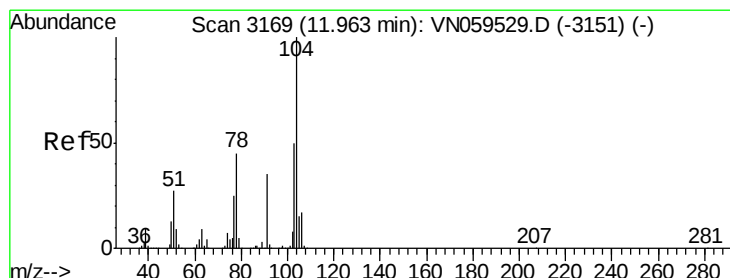
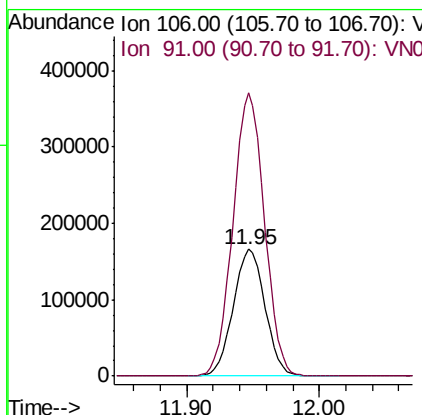
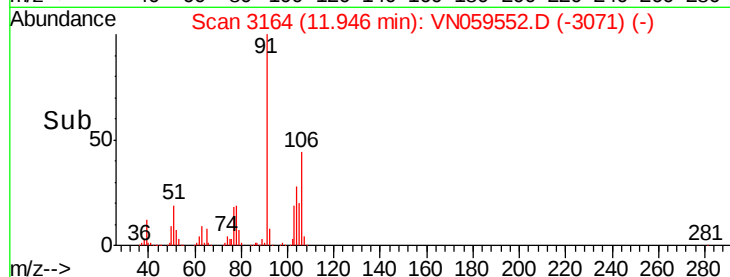
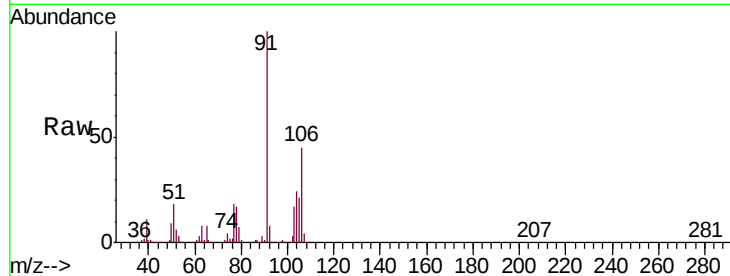




#69
o-Xylene
Concen: 51.369 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

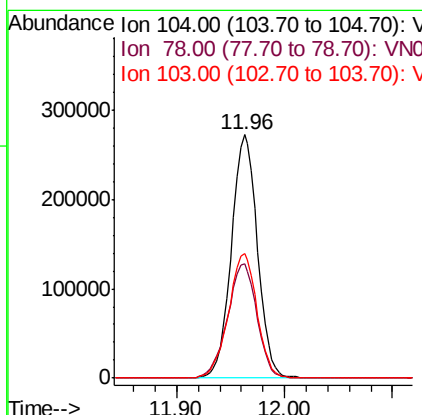
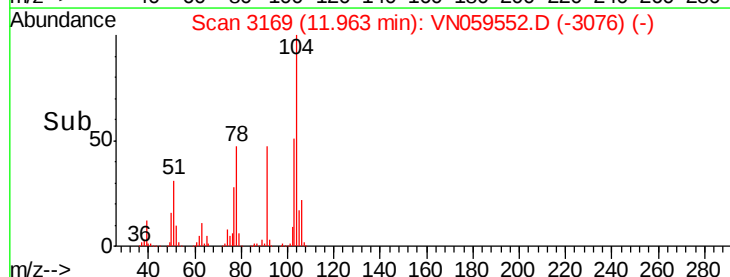
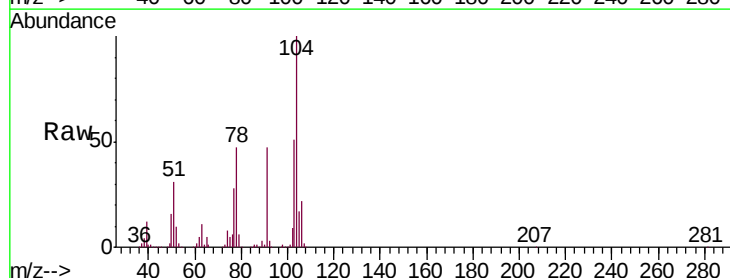
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

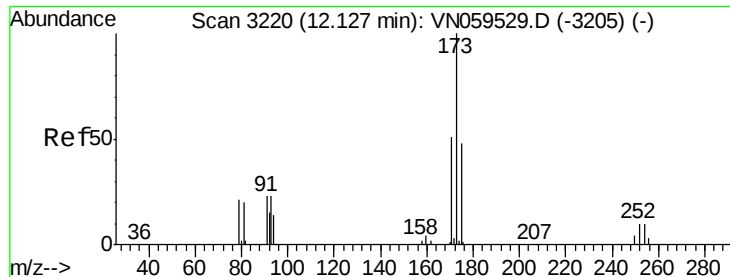
Tgt Ion:106 Resp: 275946
Ion Ratio Lower Upper
106 100
91 221.7 106.7 319.9



#70
Styrene
Concen: 51.391 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Tgt Ion:104 Resp: 457358
Ion Ratio Lower Upper
104 100
78 53.2 40.6 60.8
103 55.9 43.9 65.9

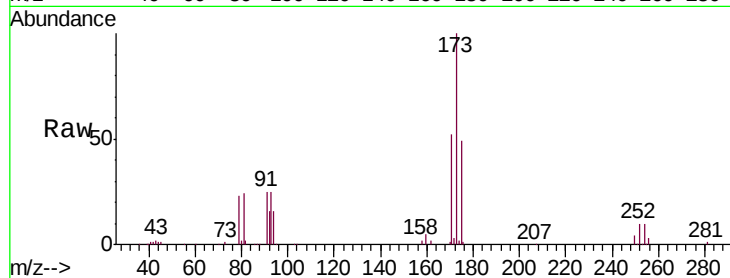




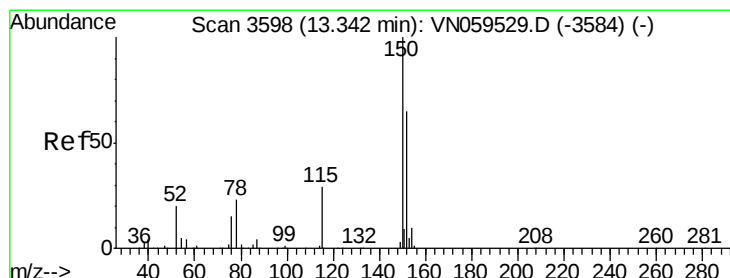
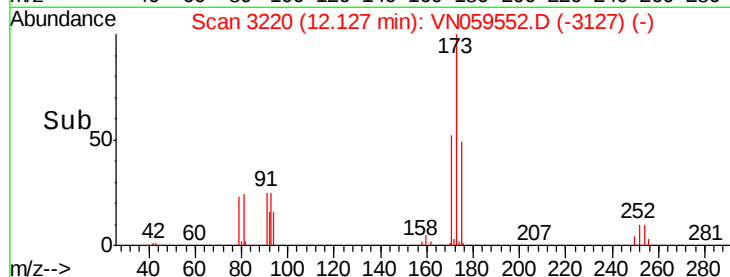
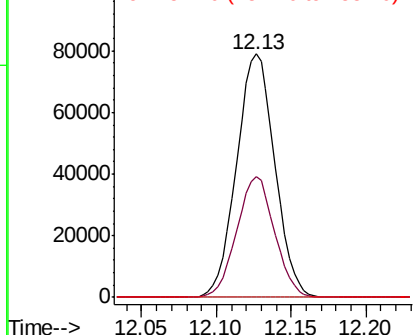
#71
Bromoform
Concen: 56.117 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 140798
Ion Ratio Lower Upper
173 100
175 48.9 24.1 72.4
254 0.0 0.0 0.0#

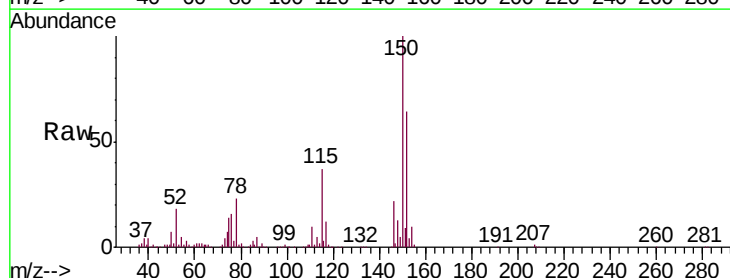


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

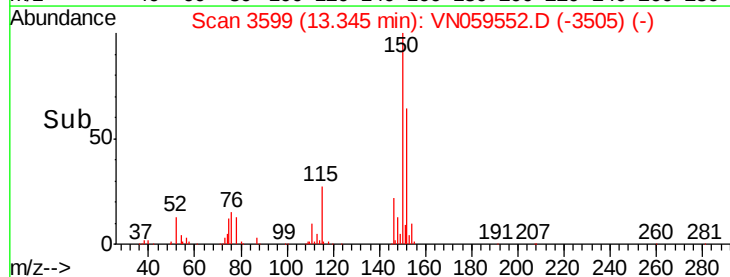
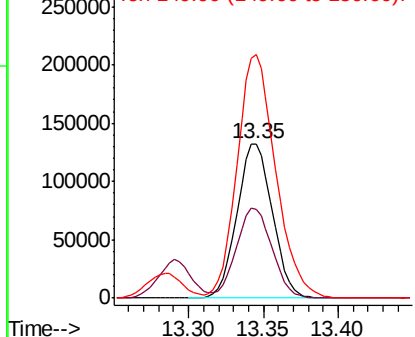


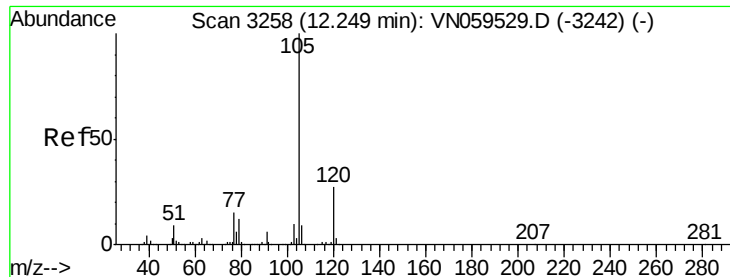
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059552.D
Acq: 10 Dec 2019 17:00

Tgt Ion:152 Resp: 217723
Ion Ratio Lower Upper
152 100
115 58.6 29.4 88.2
150 171.9 0.0 342.4



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: 50.618 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

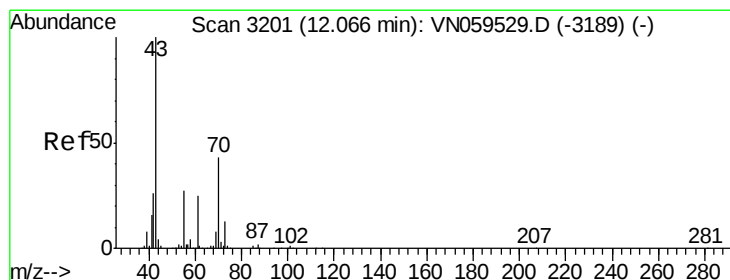
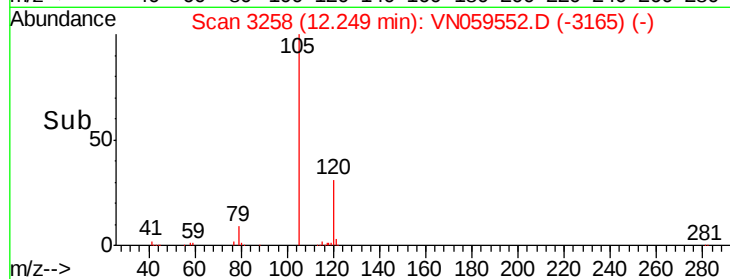
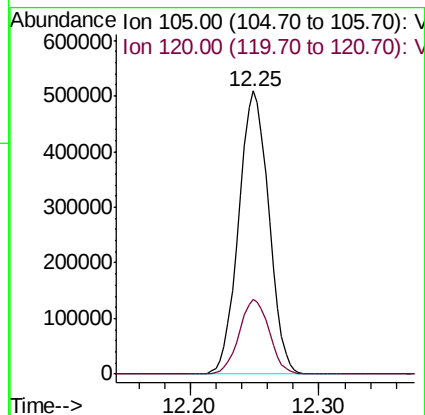
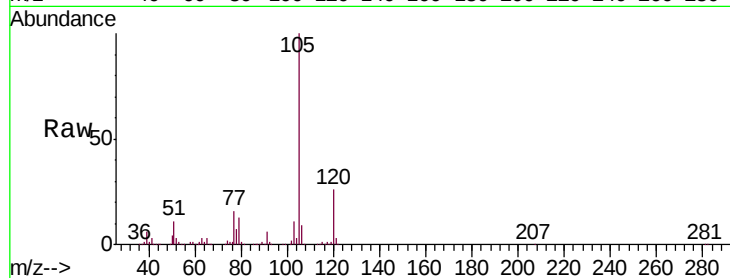
VSTDCCC050EC

Tgt Ion:105 Resp: 826669

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.5



#74

N-ethyl acetate

Concen: 54.330 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Tgt Ion: 43 Resp: 386499

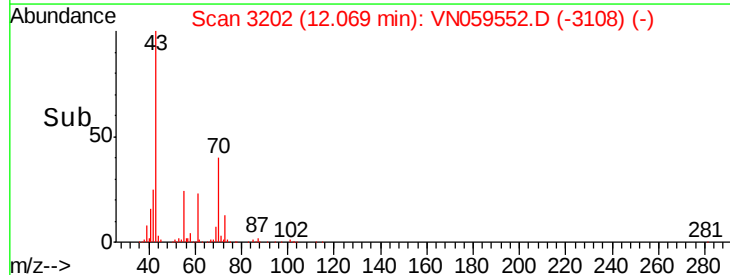
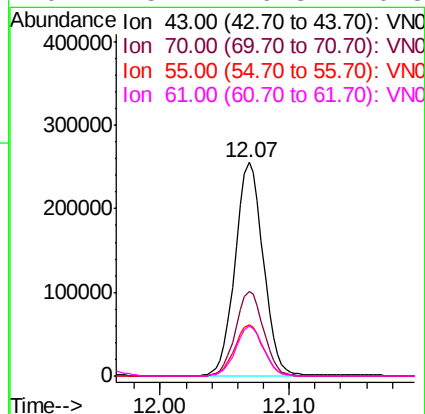
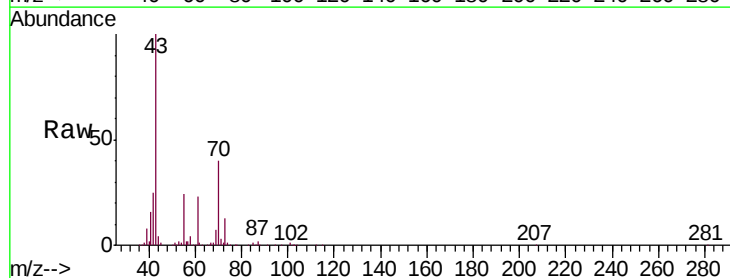
Ion Ratio Lower Upper

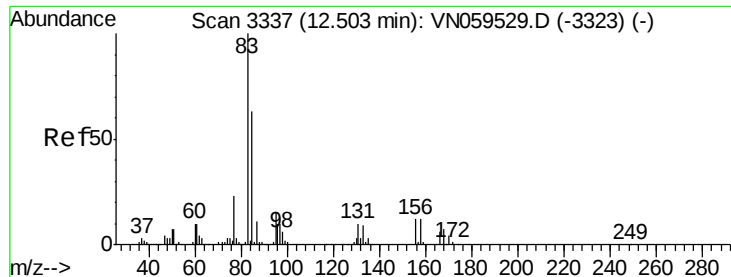
43 100

70 39.6 34.2 51.4

55 24.7 21.3 31.9

61 23.2 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.326 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

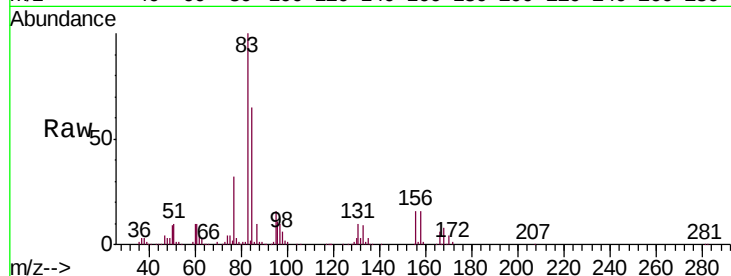
Tgt Ion: 83 Resp: 272967

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

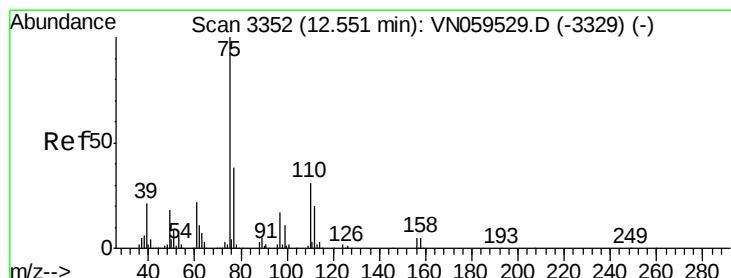
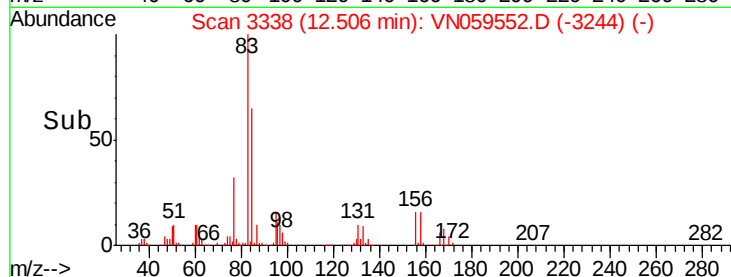
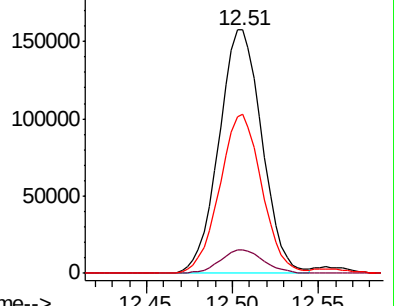
85 64.2 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VN059552.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN059552.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN059552.D (-3337) (-)



#76

1,2,3-Trichloropropane

Concen: 73.047 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059552.D

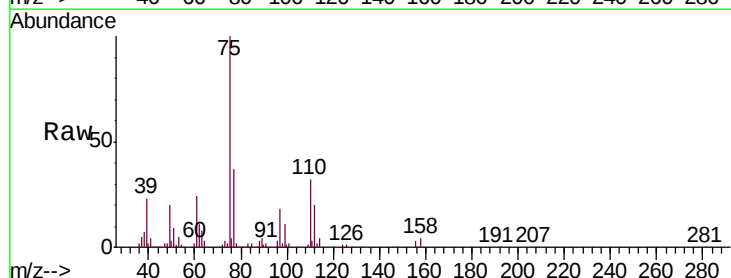
Acq: 10 Dec 2019 17:00

Tgt Ion: 75 Resp: 406709

Ion Ratio Lower Upper

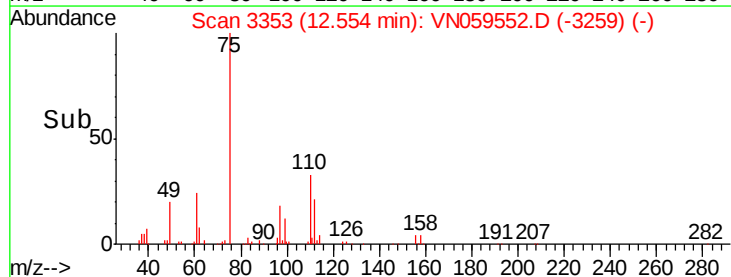
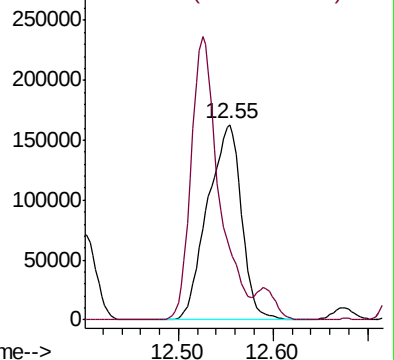
75 100

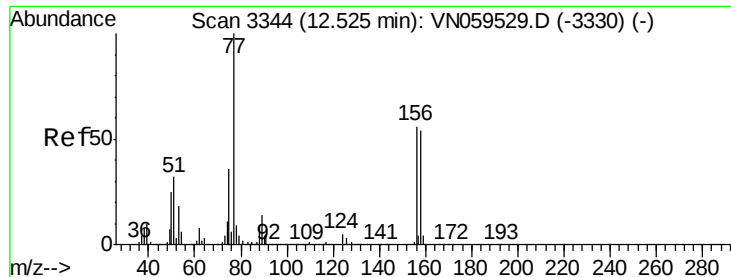
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059552.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN059552.D (-3352) (-)





#77

Bromobenzene

Concen: 52.973 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

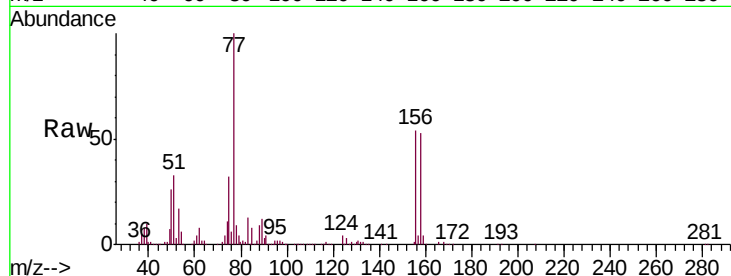
Tgt Ion:156 Resp: 215382

Ion Ratio Lower Upper

156 100

77 225.5 109.3 327.8

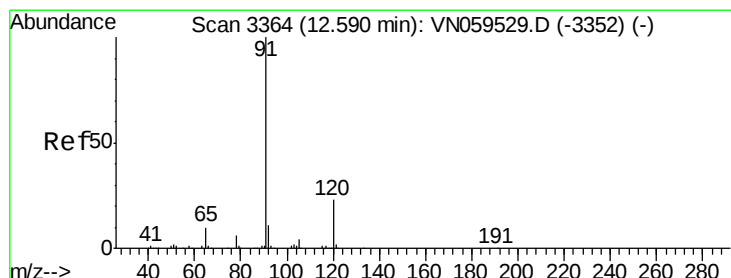
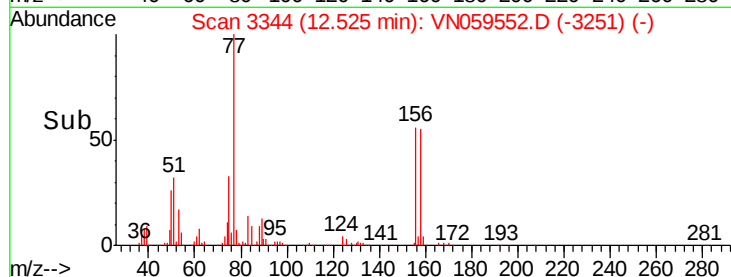
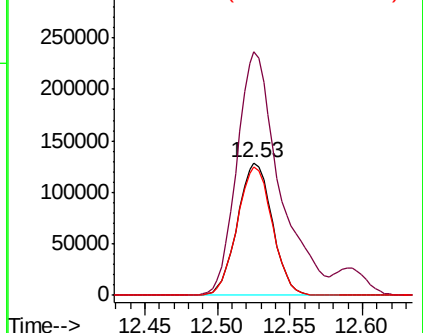
158 97.6 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.515 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059552.D

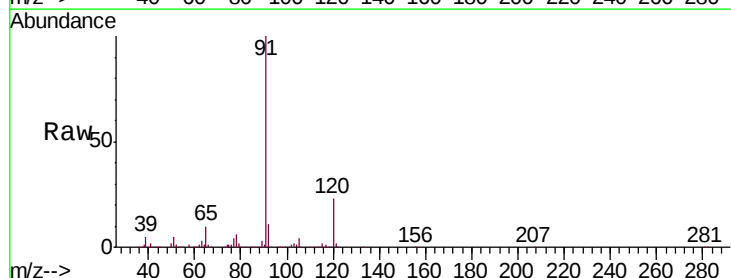
Acq: 10 Dec 2019 17:00

Tgt Ion: 91 Resp: 1073983

Ion Ratio Lower Upper

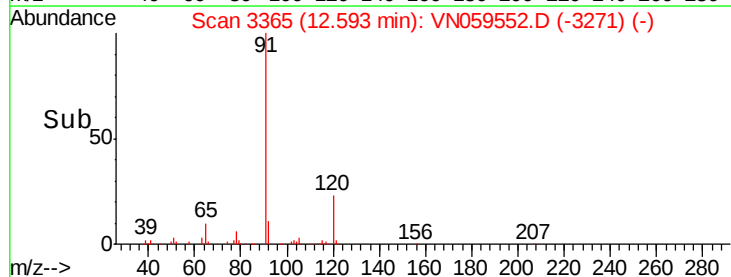
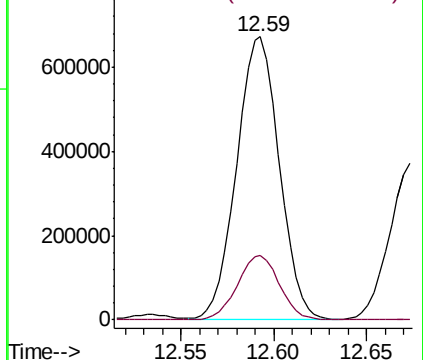
91 100

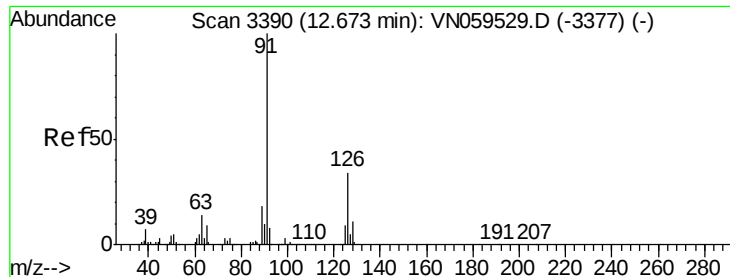
120 22.4 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.048 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

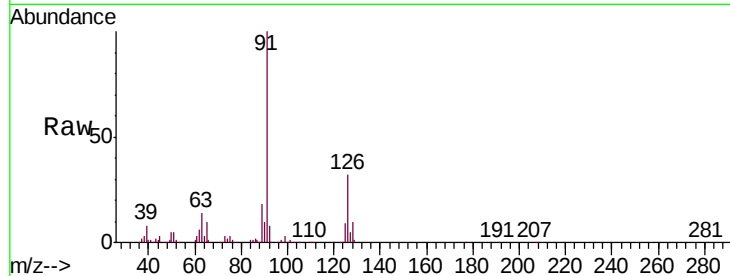
VSTDCCC050EC

Tgt Ion: 91 Resp: 622854

Ion Ratio Lower Upper

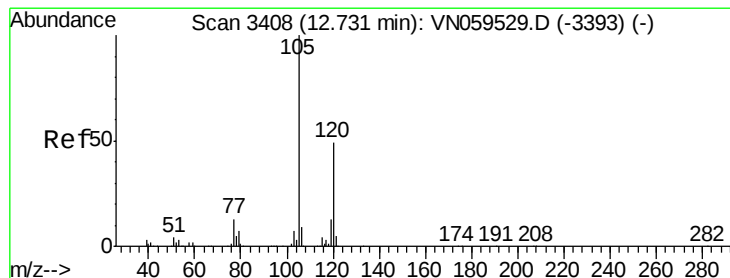
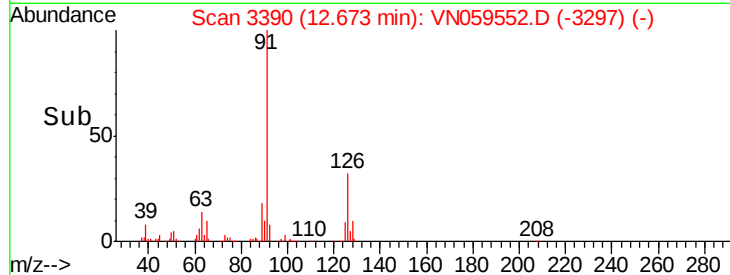
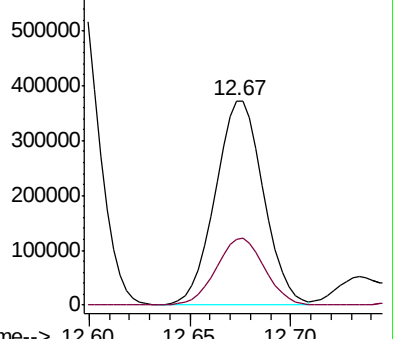
91 100

126 32.9 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN059552.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059552.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.569 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059552.D

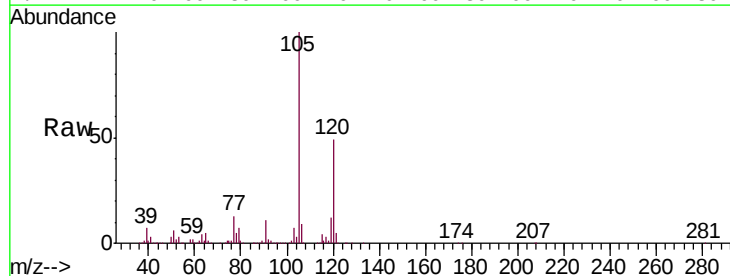
Acq: 10 Dec 2019 17:00

Tgt Ion: 105 Resp: 764225

Ion Ratio Lower Upper

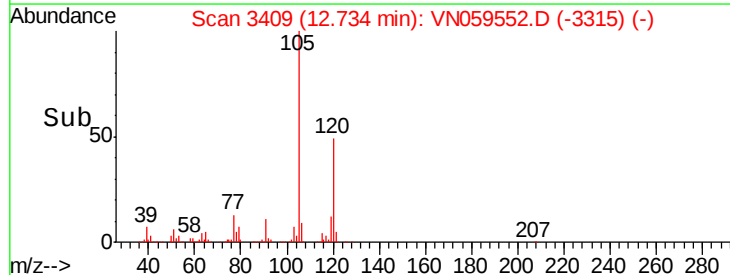
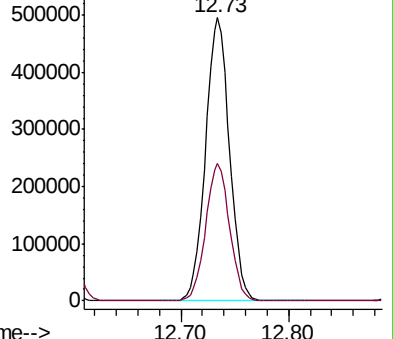
105 100

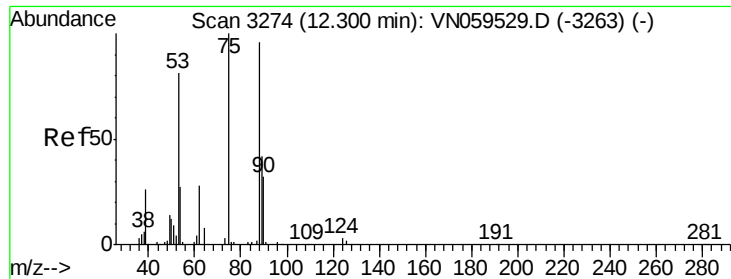
120 48.4 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059552.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN059552.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 54.052 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

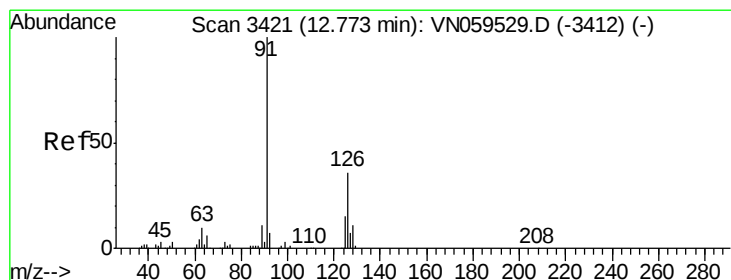
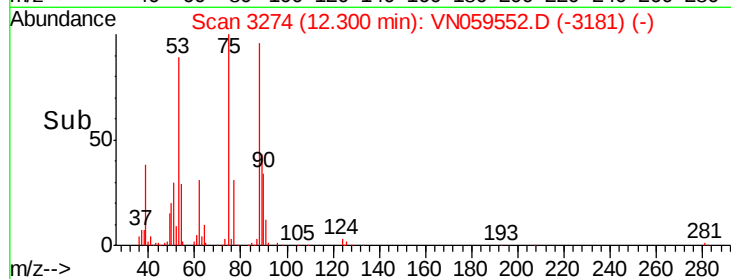
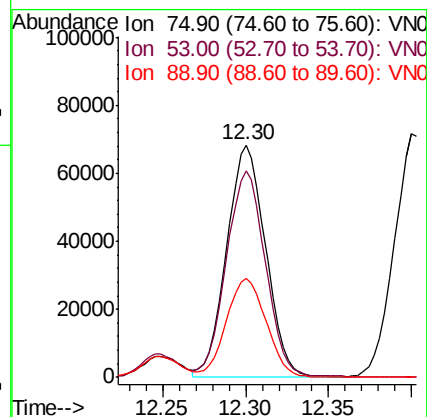
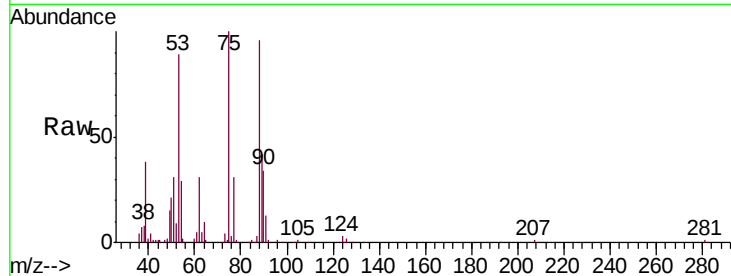
Tgt Ion: 75 Resp: 111855

Ion Ratio Lower Upper

75 100

53 88.5 67.0 100.6

89 43.5 35.5 53.3



#82

4-Chlorotoluene

Concen: 53.228 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059552.D

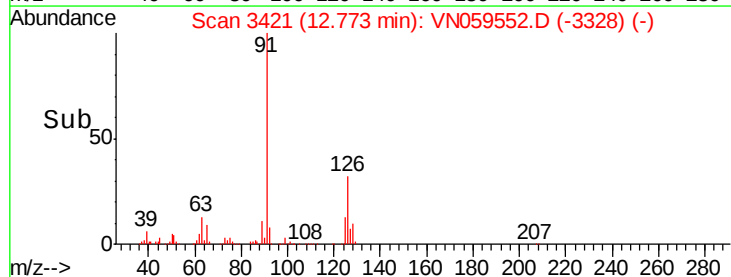
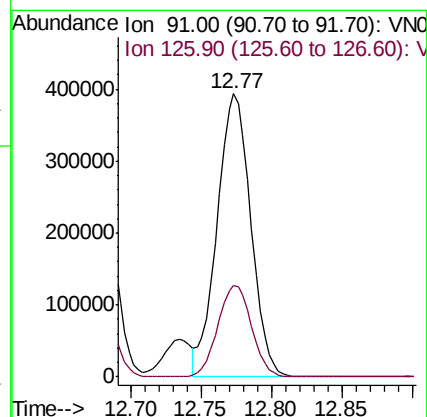
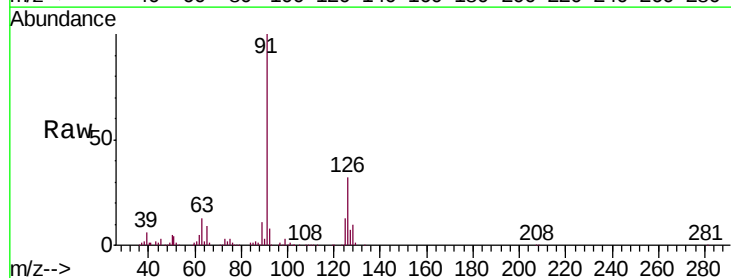
Acq: 10 Dec 2019 17:00

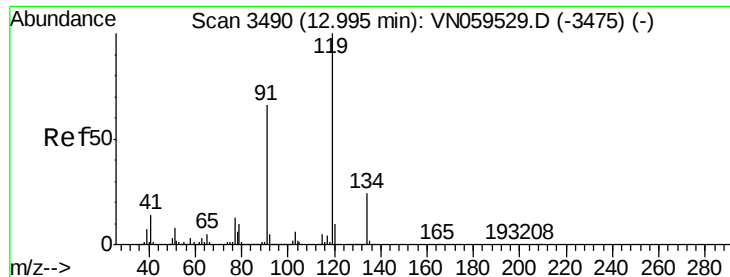
Tgt Ion: 91 Resp: 651318

Ion Ratio Lower Upper

91 100

126 32.3 16.4 49.4

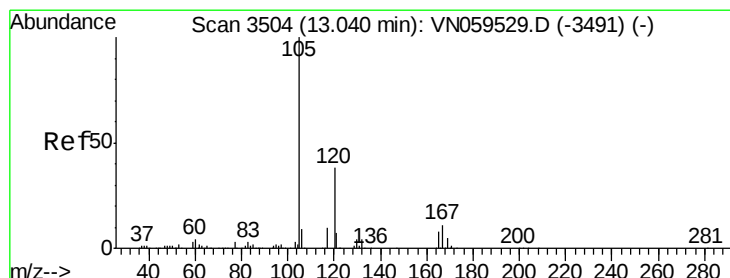
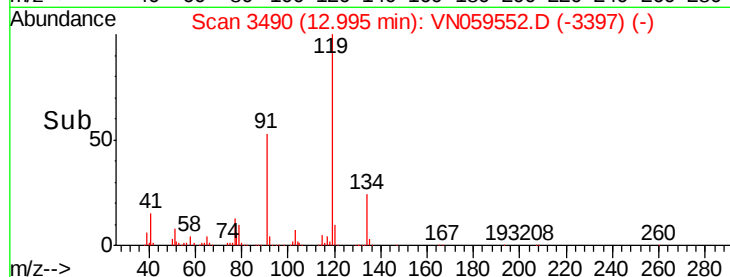
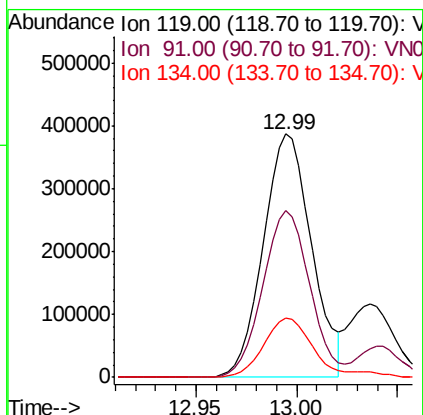
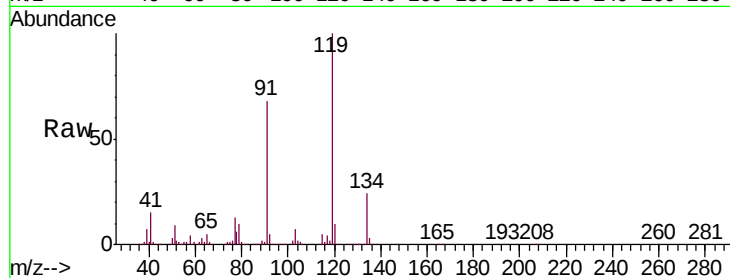




#83
 tert-Butylbenzene
 Concen: 55.201 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

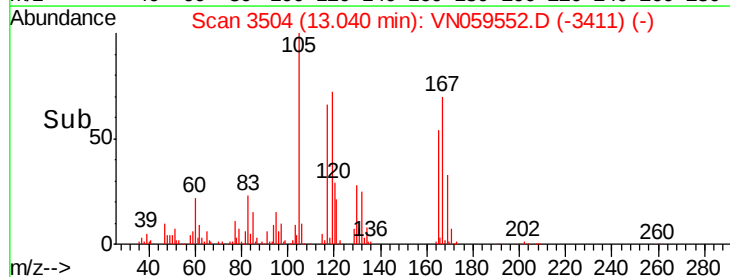
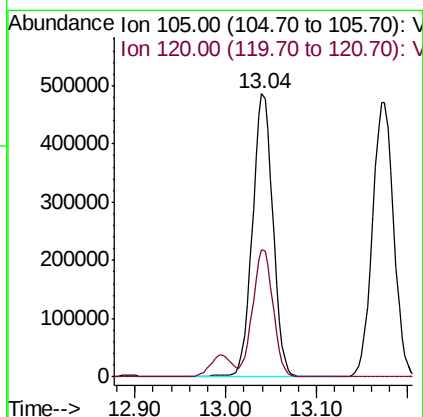
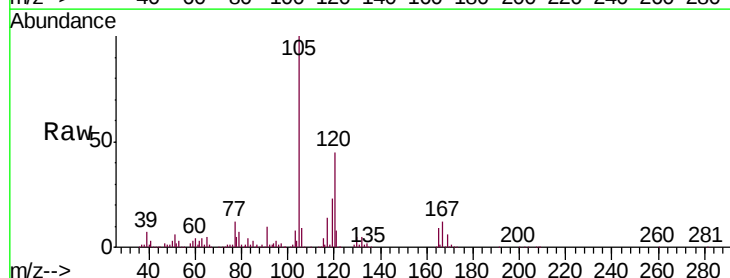
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

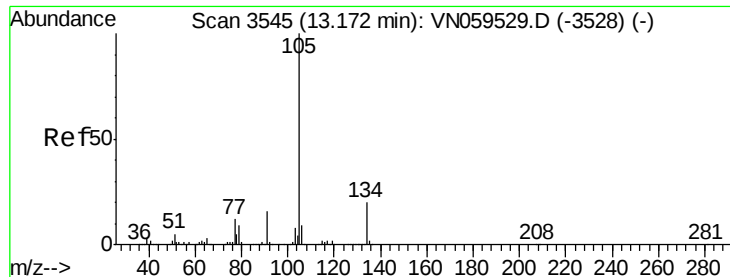
Tgt Ion:119 Resp: 644667
 Ion Ratio Lower Upper
 119 100
 91 66.8 32.8 98.4
 134 24.3 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 54.824 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

Tgt Ion:105 Resp: 758139
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.8 68.3

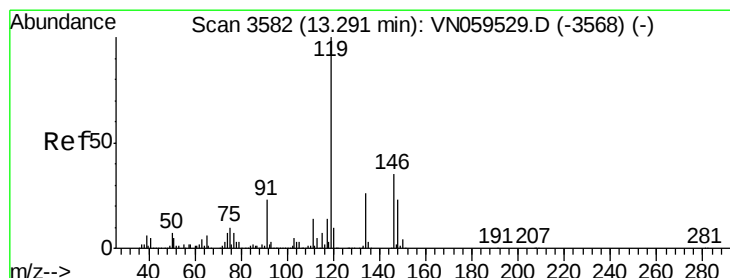
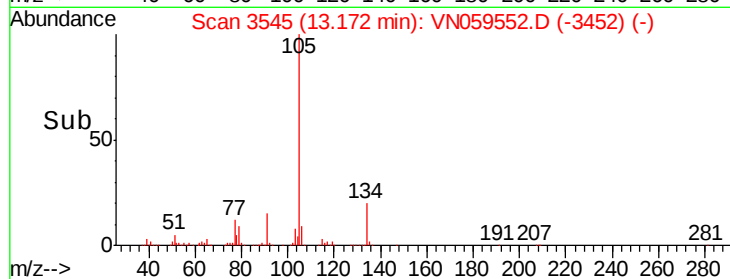
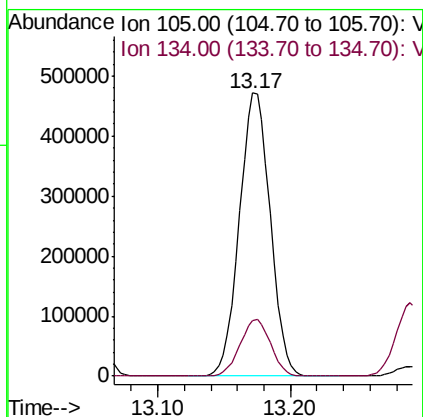
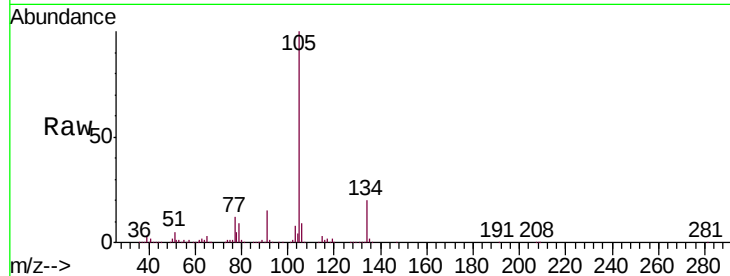




#85
 sec-Butylbenzene
 Concen: 47.450 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

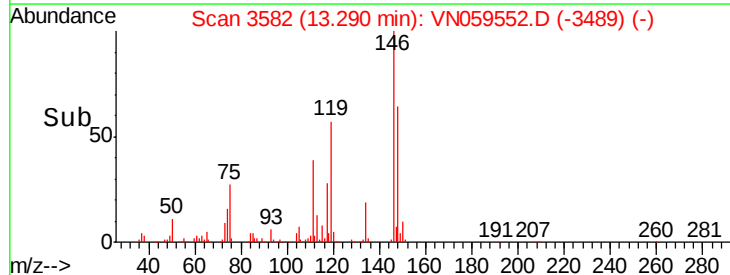
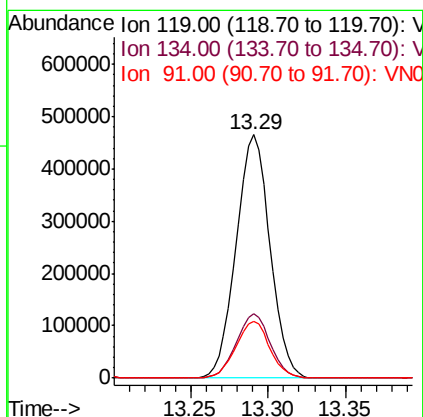
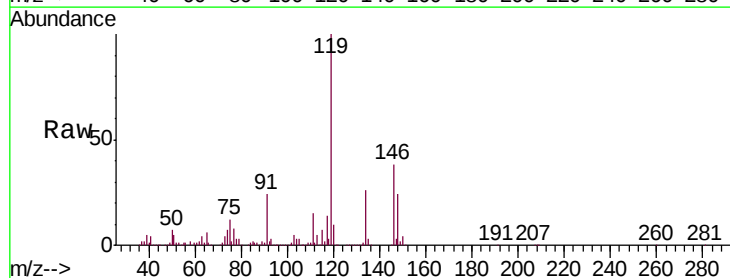
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 761156
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 49.293 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

Tgt Ion:119 Resp: 706710
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.0 39.0
 91 23.5 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 46.914 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

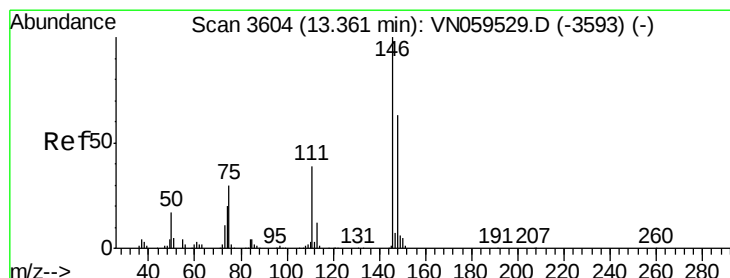
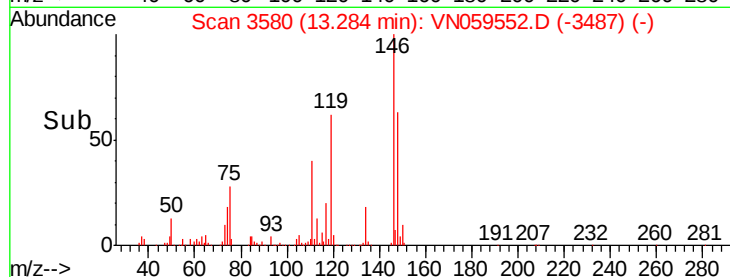
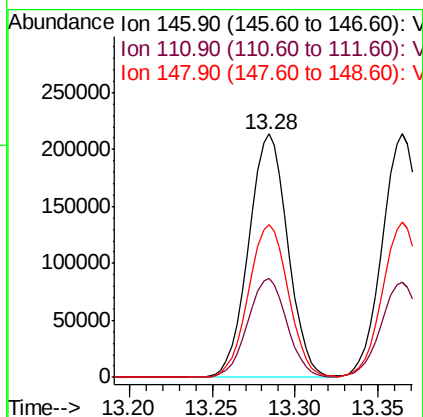
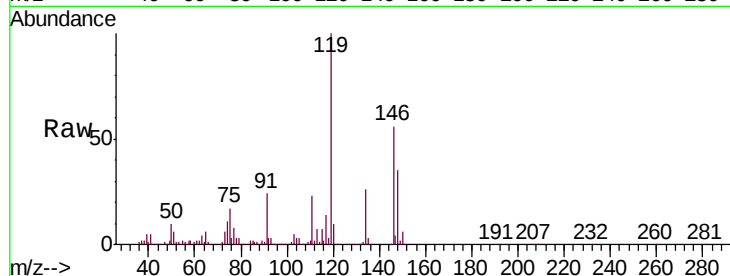
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	351332
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.6	61.8
148	64.2	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 47.965 ug/l

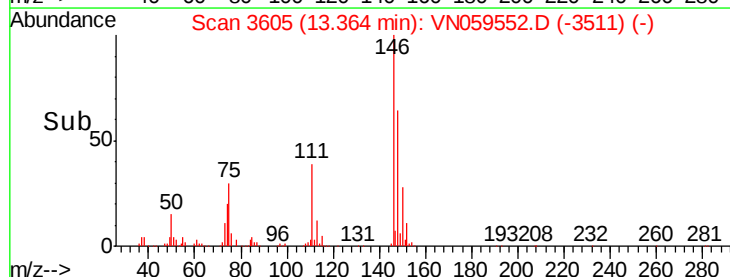
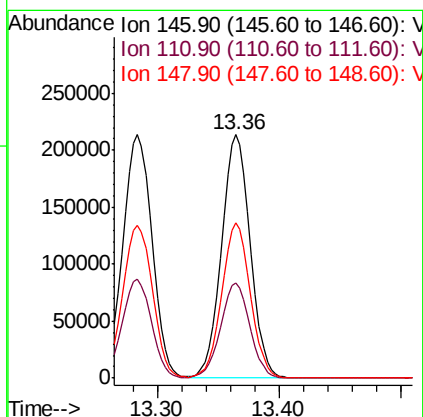
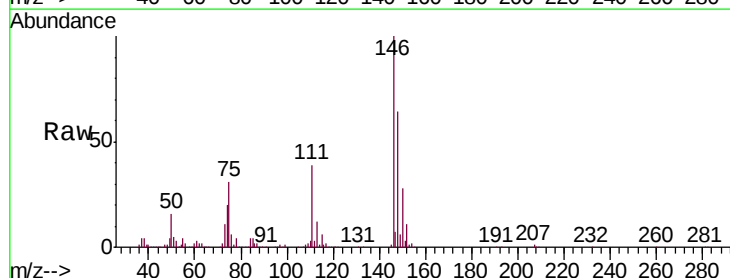
RT: 13.36 min Scan# 3605

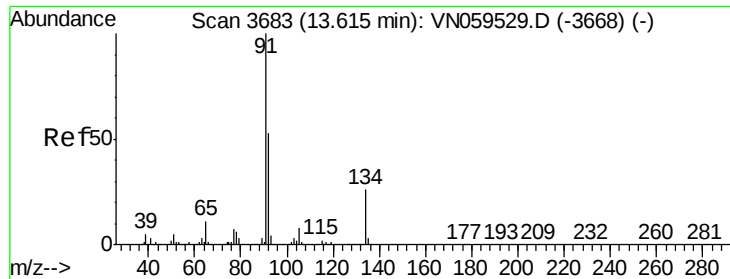
Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Tgt Ion:	146	Resp:	351717
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.0	59.9
148	63.6	31.9	95.7





#89

n-Butylbenzene

Concen: 48.151 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

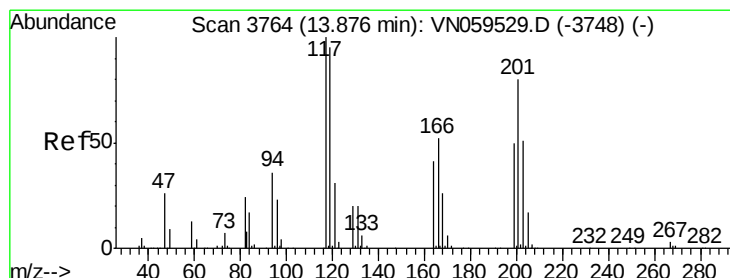
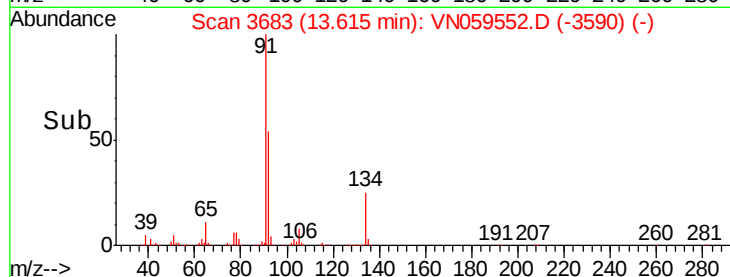
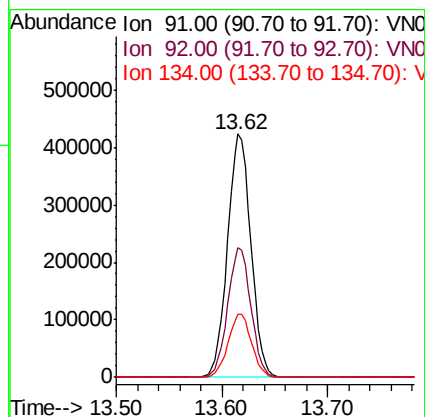
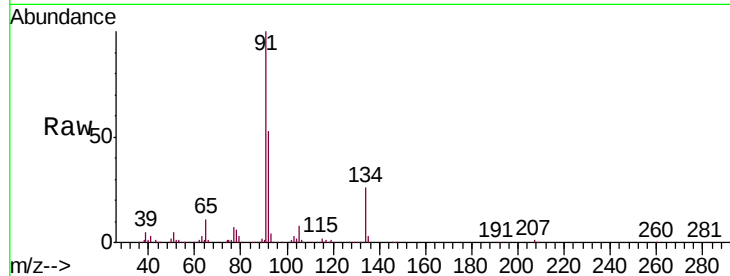
Tgt Ion: 91 Resp: 648212

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

134 25.8 12.8 38.4



#90

Hexachloroethane

Concen: 48.988 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059552.D

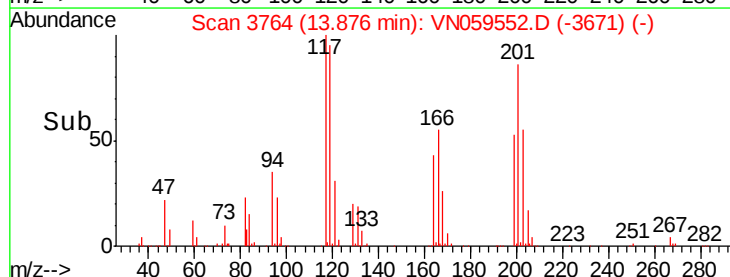
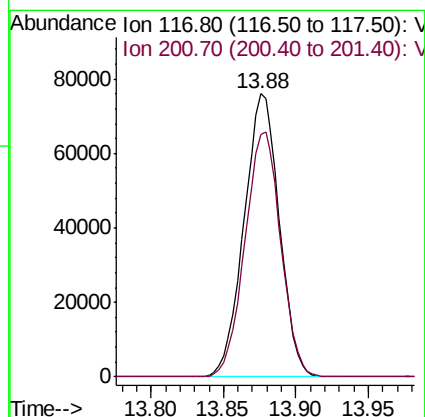
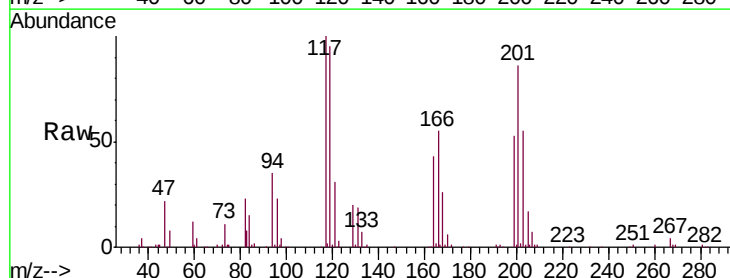
Acq: 10 Dec 2019 17:00

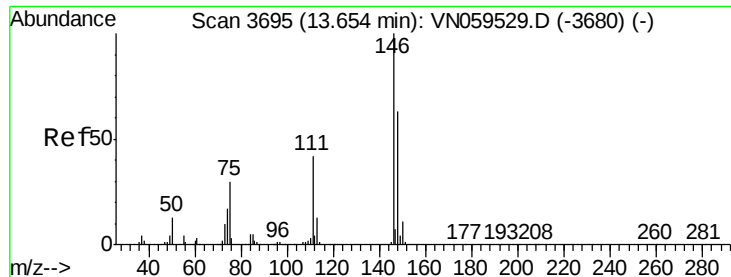
Tgt Ion: 117 Resp: 128986

Ion Ratio Lower Upper

117 100

201 87.4 40.5 121.5

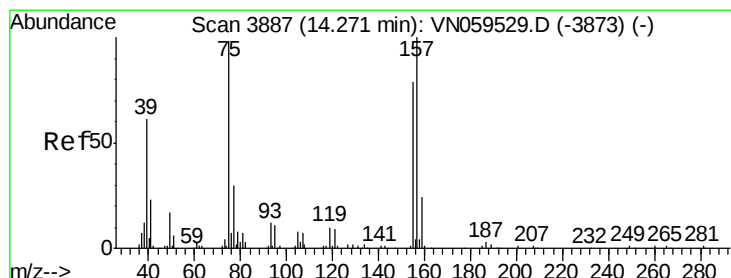
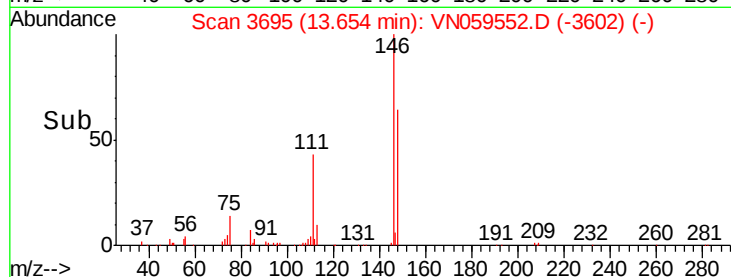
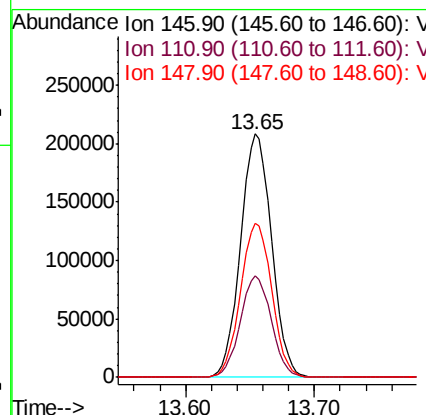
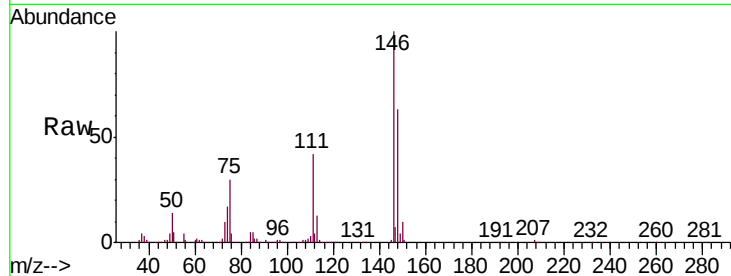




#91
 1,2-Dichlorobenzene
 Concen: 49.632 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

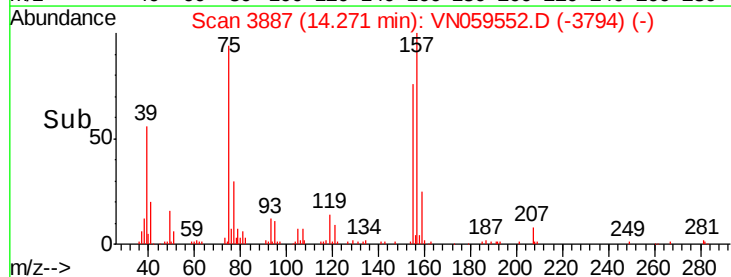
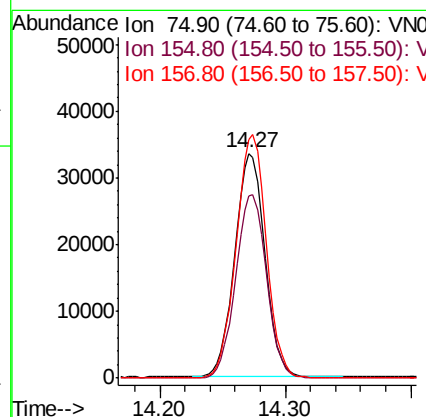
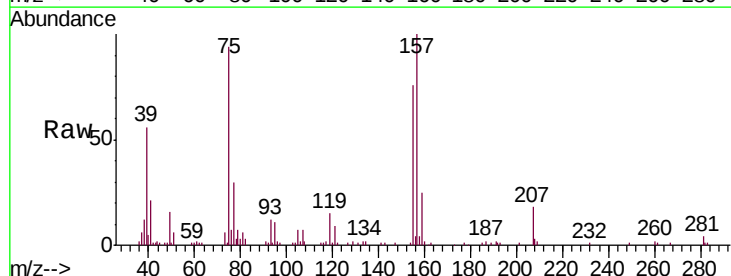
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

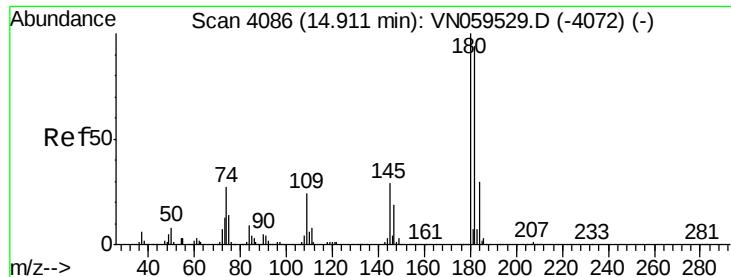
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.9	62.7
148	63.8	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.536 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	40.4	121.1
157	108.7	51.1	153.3

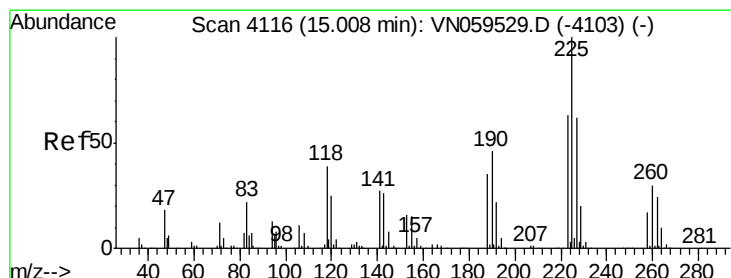
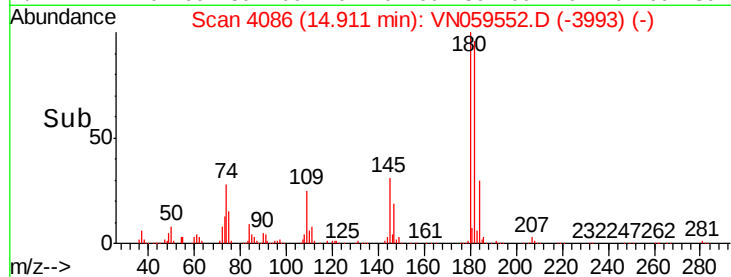
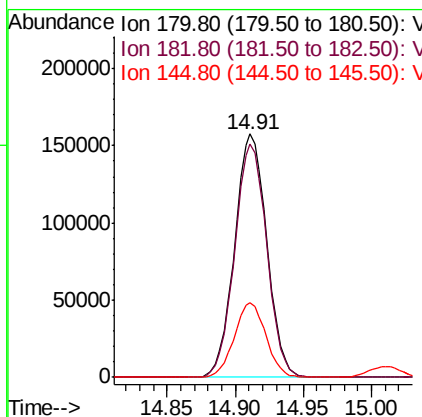
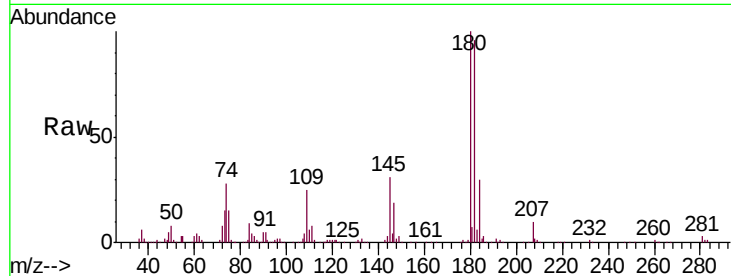




#93
 1,2,4-Trichlorobenzene
 Concen: 52.964 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

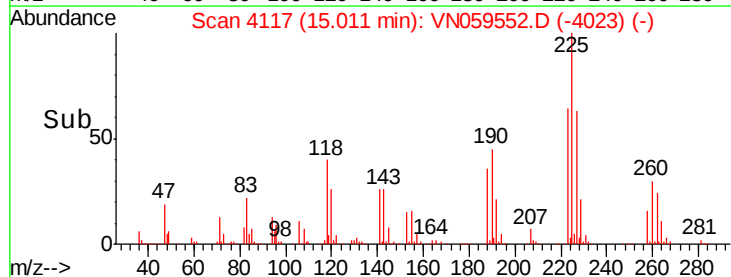
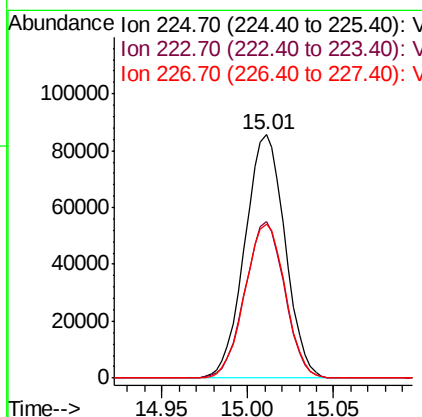
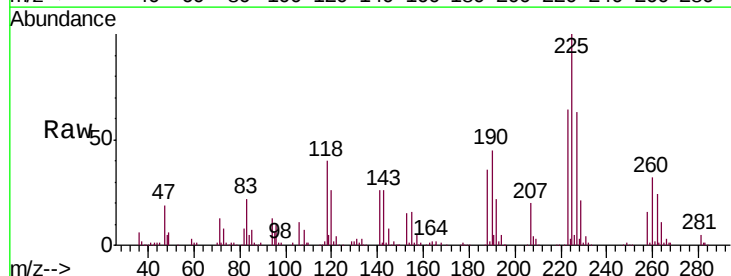
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

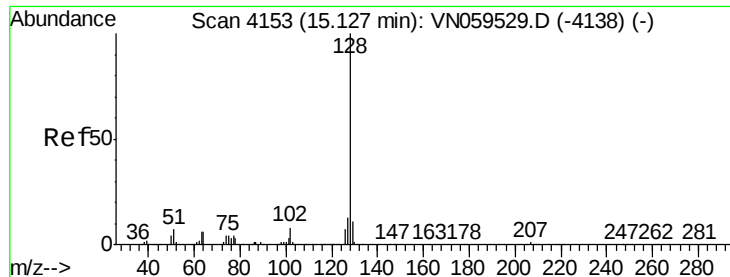
Tgt Ion:180 Resp: 257447
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.3 142.0
 145 30.3 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 55.906 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059552.D
 Acq: 10 Dec 2019 17:00

Tgt Ion:225 Resp: 138830
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.3 93.9
 227 63.4 31.6 95.0





#95

Naphthalene

Concen: 51.240 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

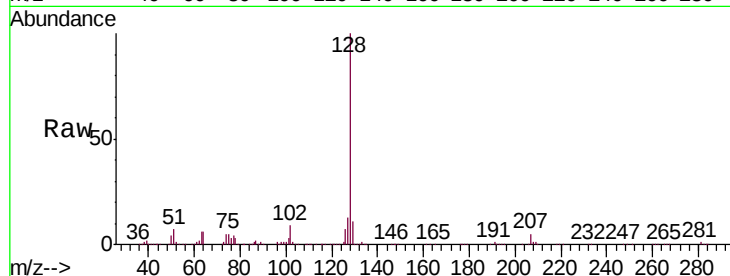
Tgt Ion:128 Resp: 728063

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

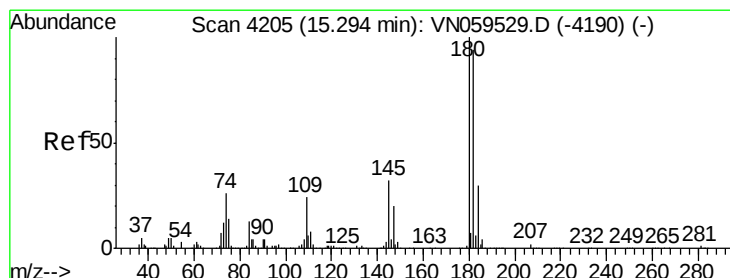
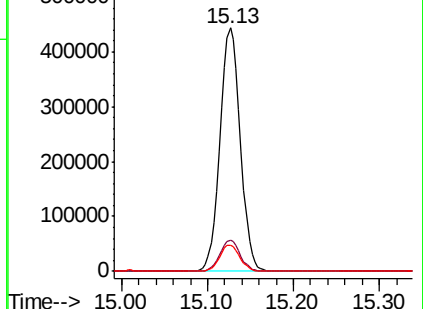
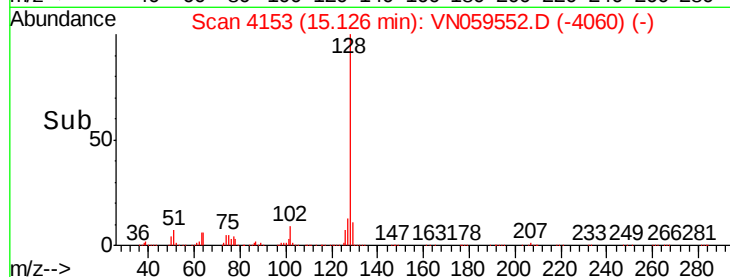
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.105 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN059552.D

Acq: 10 Dec 2019 17:00

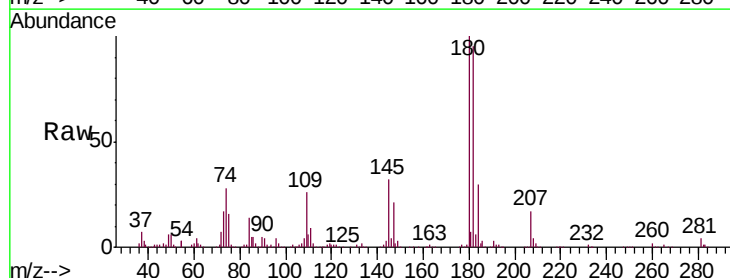
Tgt Ion:180 Resp: 242225

Ion Ratio Lower Upper

180 100

182 94.2 47.1 141.4

145 31.6 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

