

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110119\
 Data File : VN059055.D
 Acq On : 1 Nov 2019 11:53
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:22:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:16:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	488371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	761292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	709382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	358185	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	610824	87.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.04%	
35) Dibromofluoromethane	7.57	113	475546	95.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.72%	
50) Toluene-d8	10.08	98	1895014	97.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.82%	
62) 4-Bromofluorobenzene	12.40	95	709606	99.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	518008	87.688	ug/l	97
3) Chloromethane	2.04	50	689384	92.927	ug/l	99
4) Vinyl Chloride	2.17	62	679633	92.647	ug/l	98
5) Bromomethane	2.52	94	359333	79.610	ug/l	99
6) Chloroethane	2.67	64	395279	84.818	ug/l	99
7) Trichlorofluoromethane	2.99	101	792443	87.913	ug/l	99
8) Diethyl Ether	3.38	74	323724	100.989	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	470563	92.502	ug/l	100
10) Methyl Iodide	3.92	142	628186	95.742	ug/l	100
11) Tert butyl alcohol	4.76	59	619517	522.134	ug/l	100
12) 1,1-Dichloroethene	3.71	96	471259	98.537	ug/l	97
13) Acrolein	3.58	56	414330	517.676	ug/l	98
14) Allyl chloride	4.29	41	963150	99.735	ug/l	99
15) Acrylonitrile	4.95	53	1565047	528.001	ug/l	99
16) Acetone	3.79	43	1627823	470.415	ug/l	99
17) Carbon Disulfide	4.02	76	1487313	96.981	ug/l	99
18) Methyl Acetate	4.29	43	773944	96.609	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	1657572	99.608	ug/l	100
20) Methylene Chloride	4.52	84	549805	91.795	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	512568	97.512	ug/l	100
22) Diisopropyl ether	5.92	45	1860238	99.011	ug/l	99
23) Vinyl Acetate	5.86	43	7393785	492.329	ug/l	95
24) 1,1-Dichloroethane	5.82	63	1011194	92.810	ug/l	99
25) 2-Butanone	6.81	43	2264199	500.869	ug/l	100
26) 2,2-Dichloropropane	6.80	77	852630	90.811	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	583114	97.296	ug/l	99
28) Bromochloromethane	7.17	49	295493	82.676	ug/l	99
29) Tetrahydrofuran	7.18	42	1436146	518.068	ug/l	100
30) Chloroform	7.35	83	957978	88.242	ug/l	98
31) Cyclohexane	7.63	56	957471	94.499	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	833662	91.320	ug/l	99
36) 1,1-Dichloropropene	7.77	75	765589	99.871	ug/l	100
37) Ethyl Acetate	6.90	43	861410	102.936	ug/l	100
38) Carbon Tetrachloride	7.75	117	739685	93.805	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	931503	107.292	ug/l	100
40) Benzene	8.02	78	2245127	99.320	ug/l	99
41) Methacrylonitrile	7.18	41	1239830	326.967	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	769531	89.733	ug/l	99
43) Isopropyl Acetate	8.15	43	1384921	102.987	ug/l	100
44) Trichloroethene	8.82	130	546736	99.061	ug/l	98
45) 1,2-Dichloropropane	9.10	63	611253	98.675	ug/l	99
46) Dibromomethane	9.19	93	377740	96.840	ug/l	99
47) Bromodichloromethane	9.39	83	775283	96.666	ug/l	100
48) Methyl methacrylate	9.18	41	648148	106.913	ug/l	99
49) 1,4-Dioxane	9.18	88	237333	2327.802	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	3920482	501.528	ug/l	94
52) Toluene	10.15	92	1384813	103.515	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	918834	103.199	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	980967	102.863	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	538837	97.627	ug/l	99
56) Ethyl methacrylate	10.42	69	933462	114.552	ug/l	100
57) 1,3-Dichloropropane	10.70	76	955443	99.031	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	1869874	545.705	ug/l	100
59) 2-Hexanone	10.75	43	3170874	525.861	ug/l	96
60) Dibromochloromethane	10.90	129	602545	101.556	ug/l	100
61) 1,2-Dibromoethane	11.00	107	568961	100.941	ug/l	100
64) Tetrachloroethene	10.63	164	481986	98.106	ug/l	100
65) Chlorobenzene	11.43	112	1446873	101.181	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	537276	99.745	ug/l	99
67) Ethyl Benzene	11.51	91	2604952	104.110	ug/l	97
68) m/p-Xylenes	11.62	106	2009015	216.809	ug/l	91
69) o-Xylene	11.95	106	957183	108.017	ug/l	97
70) Styrene	11.96	104	1624121	112.391	ug/l	99
71) Bromoform	12.13	173	450695	107.383	ug/l #	100
73) Isopropylbenzene	12.25	105	2529479	97.459	ug/l	98
74) N-amyl acetate	12.07	43	1242812	106.299	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	860894	94.356	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1174020	141.316	ug/l #	100
77) Bromobenzene	12.53	156	625355	97.608	ug/l	99
78) n-propylbenzene	12.59	91	2961793	96.656	ug/l	97
79) 2-Chlorotoluene	12.68	91	1817935	96.791	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2205329	101.474	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	329145	103.417	ug/l	98
82) 4-Chlorotoluene	12.78	91	1890853	98.799	ug/l	99
83) tert-Butylbenzene	13.00	119	1893470	101.733	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2202544	102.816	ug/l	98
85) sec-Butylbenzene	13.17	105	2502974	101.095	ug/l	99
86) p-Isopropyltoluene	13.29	119	2304101	105.308	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	1141234	99.900	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1141495	99.871	ug/l	100
89) n-Butylbenzene	13.62	91	2121209	106.181	ug/l	99
90) Hexachloroethane	13.88	117	430242	96.881	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1112558	99.272	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	188461	92.383	ug/l	100

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QLast Update : Sat Nov 02 05:16:18 2019
Response via : Initial Calibration

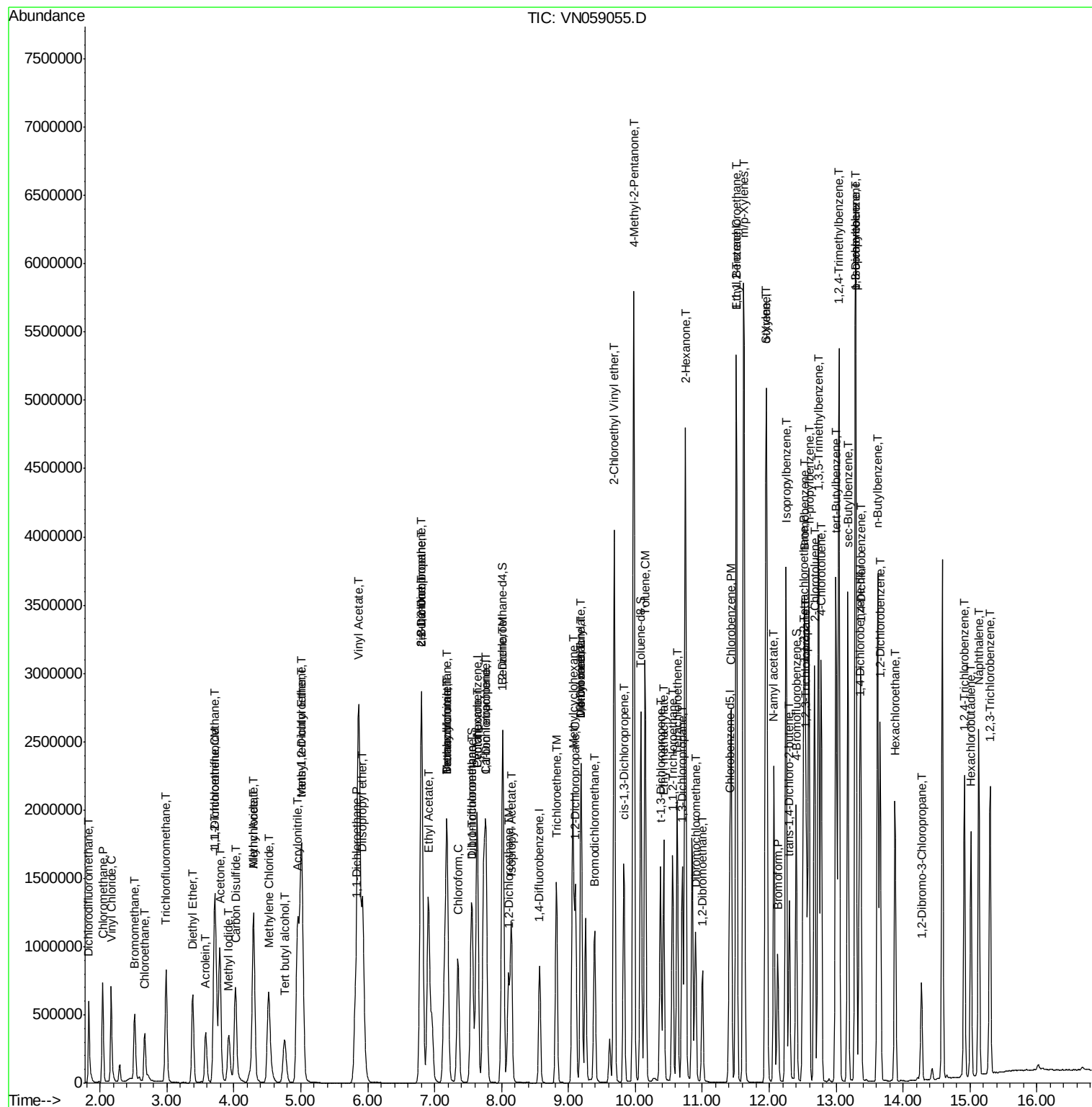
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	700634	113.895	ug/l	100
94) Hexachlorobutadiene	15.01	225	358490	98.187	ug/l	98
95) Naphthalene	15.13	128	2038360	119.624	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	692372	114.368	ug/l	100

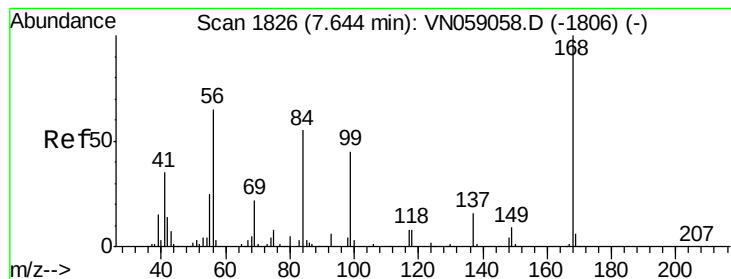
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

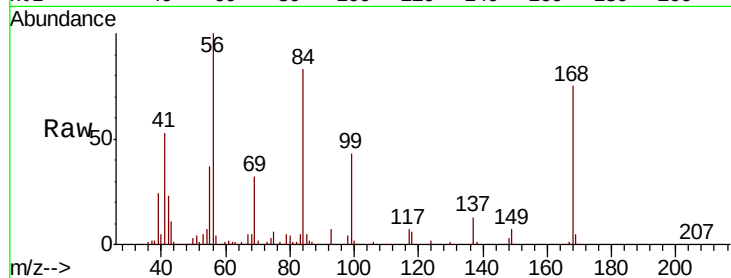
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 488371

Ion Ratio Lower Upper

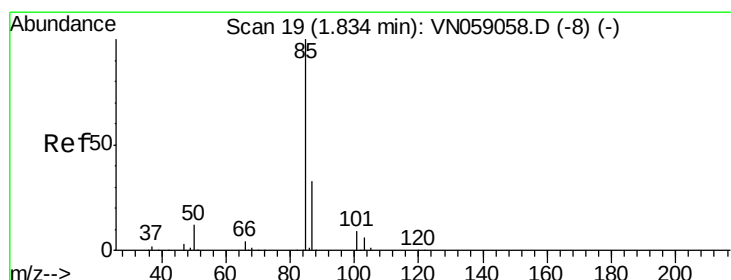
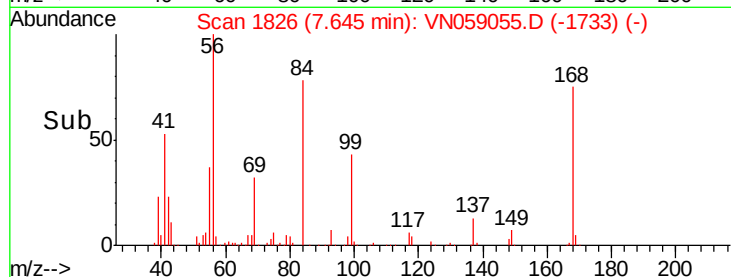
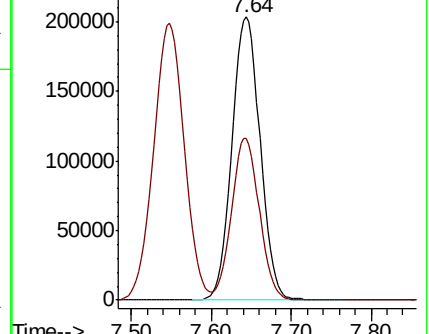
168 100

99 57.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 87.688 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059055.D

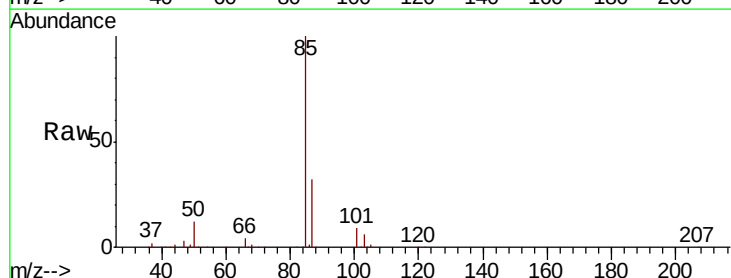
Acq: 1 Nov 2019 11:53

Tgt Ion: 85 Resp: 518008

Ion Ratio Lower Upper

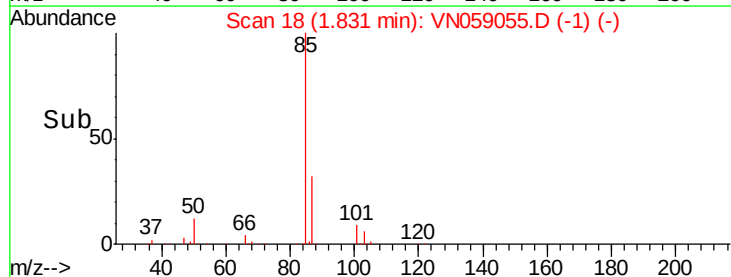
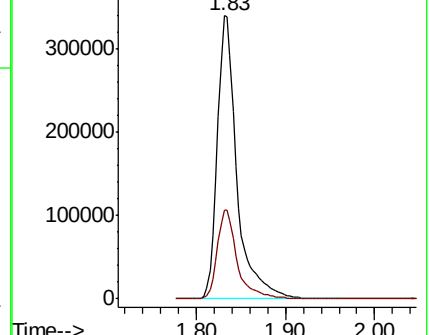
85 100

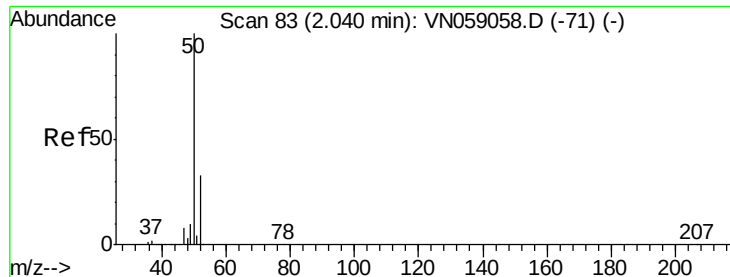
87 31.6 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 92.927 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

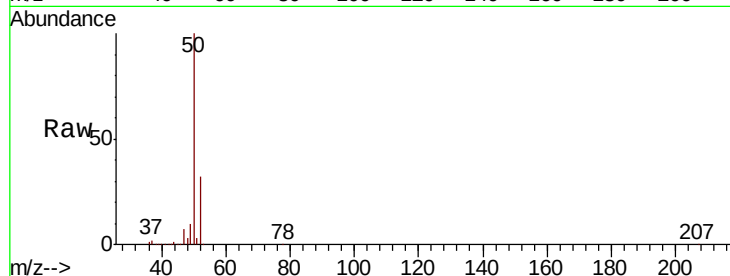
ClientSampled :

Tot Ion: 50 Resp: 689384

Ion Ratio Lower Upper

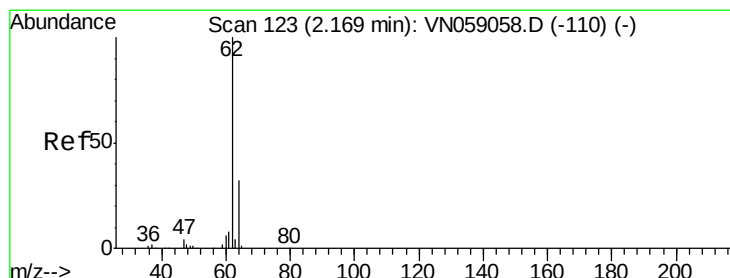
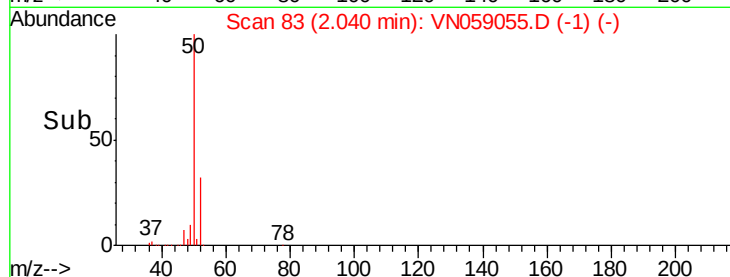
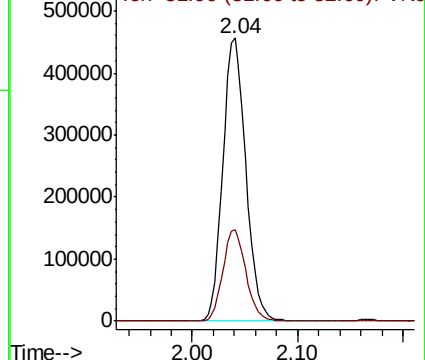
50 100

52 32.1 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN059055.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN059055.D (-1) (-)



#4

Vinyl Chloride

Concen: 92.647 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059055.D

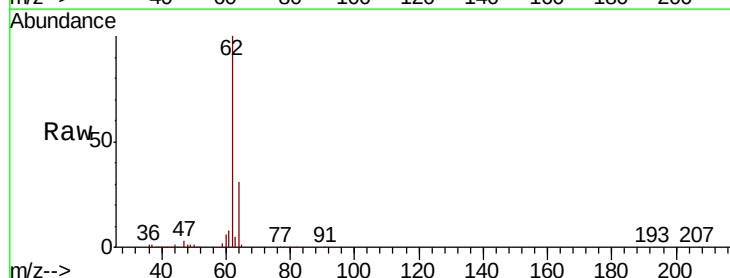
Acq: 1 Nov 2019 11:53

Tgt Ion: 62 Resp: 679633

Ion Ratio Lower Upper

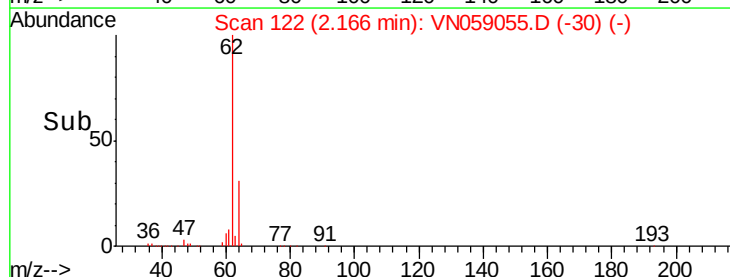
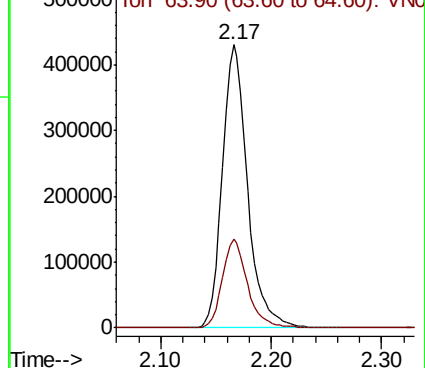
62 100

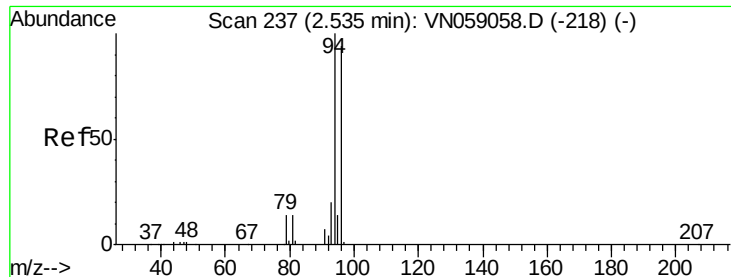
64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN059055.D (-30) (-)

Ion 63.90 (63.60 to 64.60): VN059055.D (-30) (-)

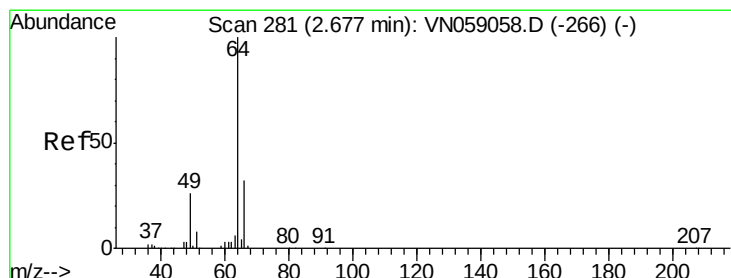
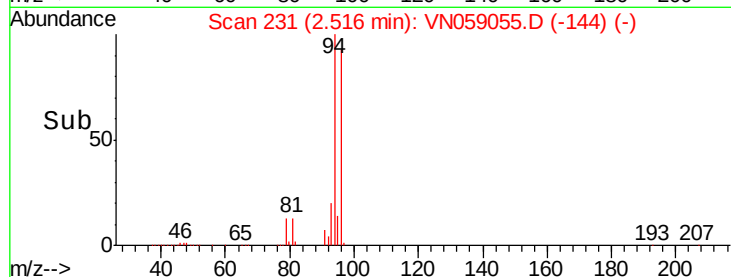
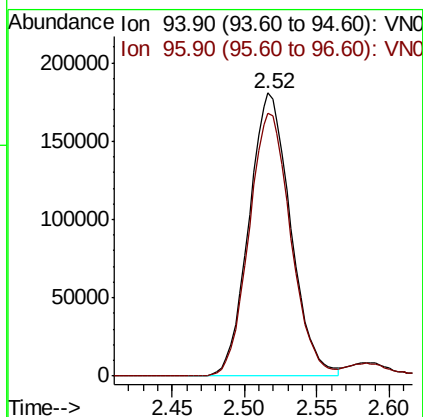
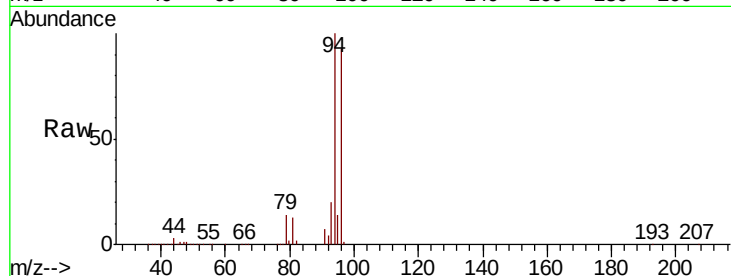




#5
Bromomethane
Concen: 79.610 ug/l
RT: 2.52 min Scan# 231
Delta R.T. -0.02 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

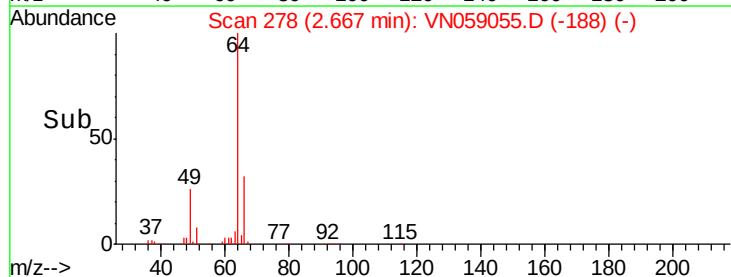
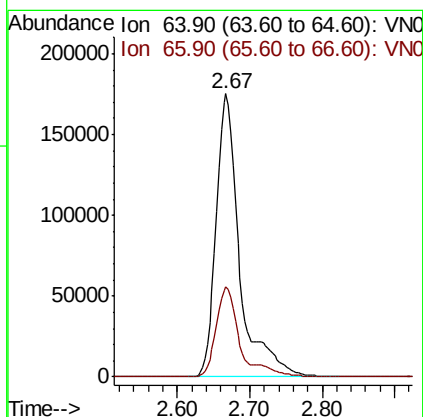
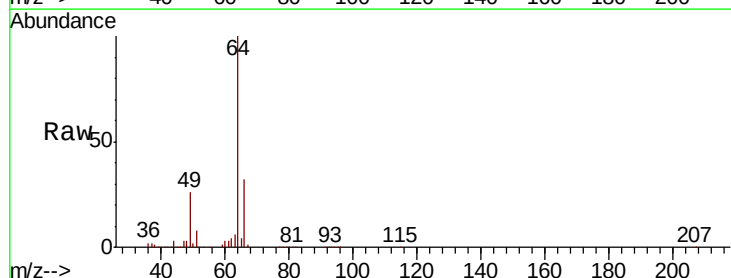
Instrument :
MSVOA_N
ClientSampled :

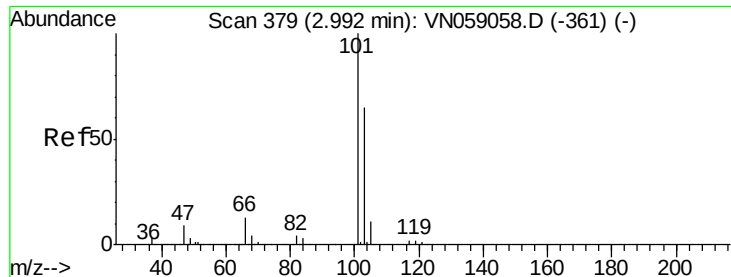
Tot Ion: 94 Resp: 359333
Ion Ratio Lower Upper
94 100
96 93.0 75.1 112.7



#6
Chloroethane
Concen: 84.818 ug/l
RT: 2.67 min Scan# 278
Delta R.T. -0.01 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 64 Resp: 395279
Ion Ratio Lower Upper
64 100
66 31.7 25.6 38.4



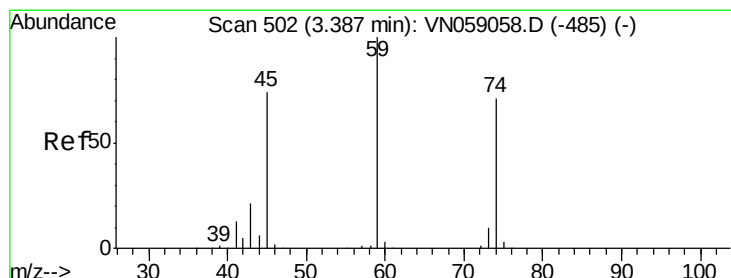
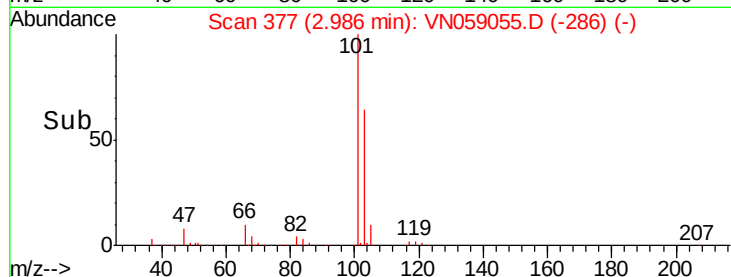
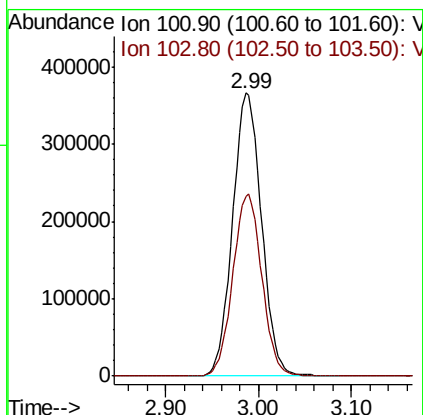
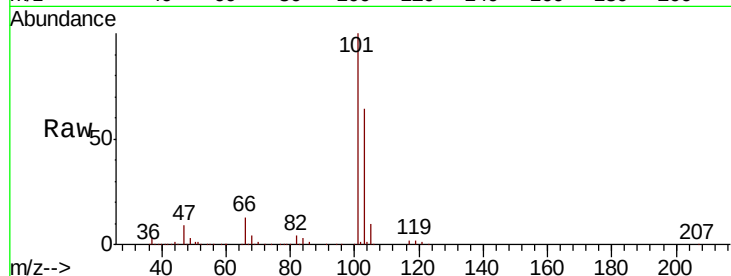


#7

Trichlorofluoromethane
 Concen: 87.913 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. -0.01 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :

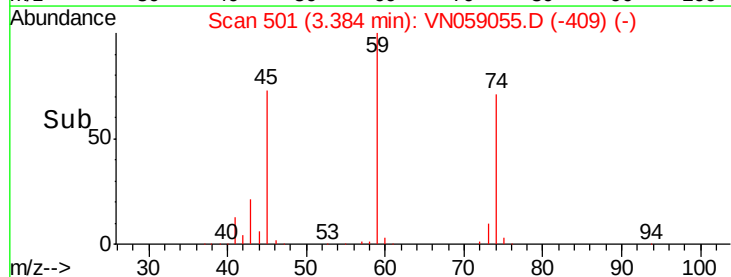
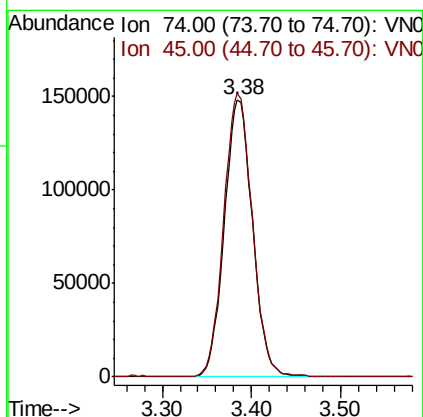
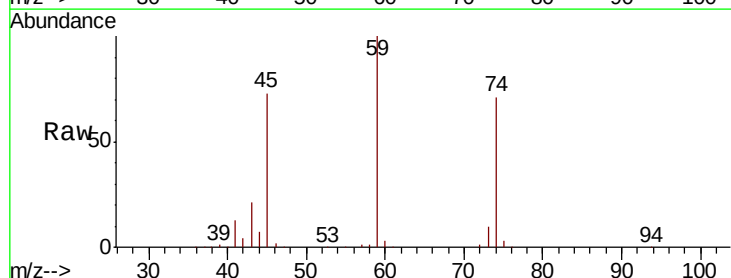
Tot Ion:101 Resp: 792443
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.7 77.5

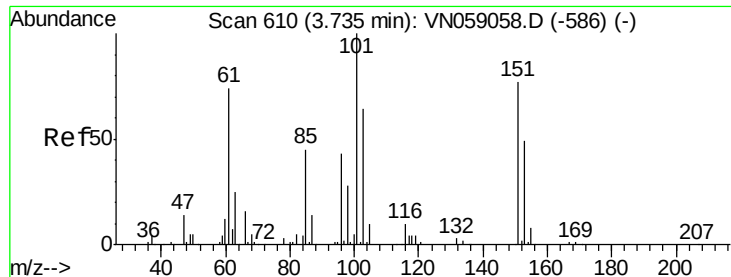


#8

Diethyl Ether
 Concen: 100.989 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Tgt Ion: 74 Resp: 323724
 Ion Ratio Lower Upper
 74 100
 45 103.9 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.502 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

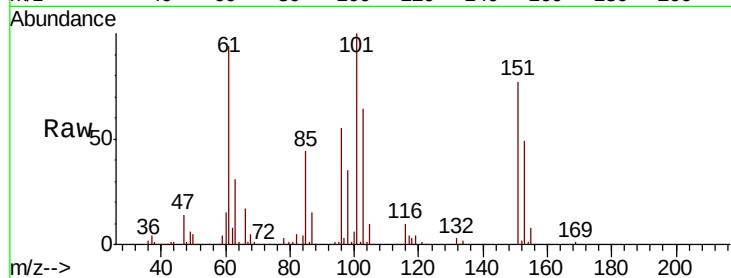
Tot Ion:101 Resp: 470563

Ion Ratio Lower Upper

101 100

85 43.8 35.0 52.6

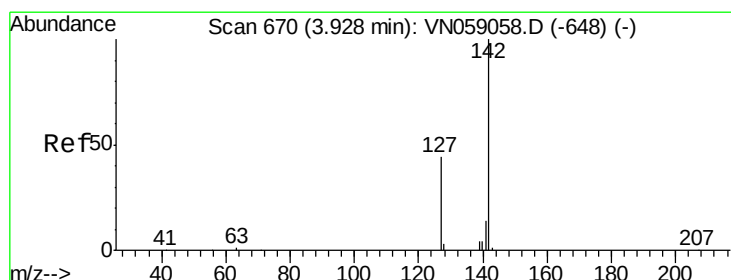
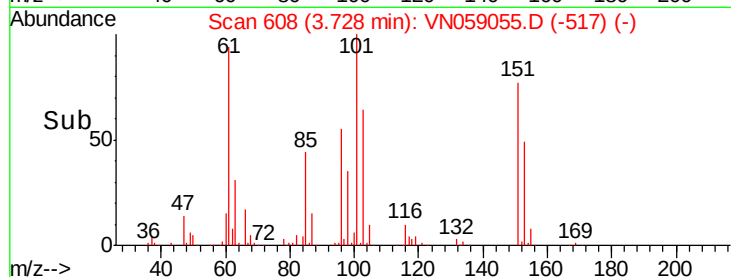
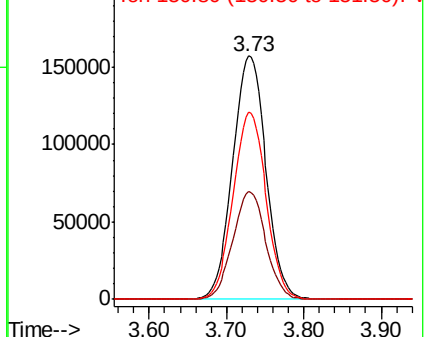
151 76.1 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 95.742 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.01 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

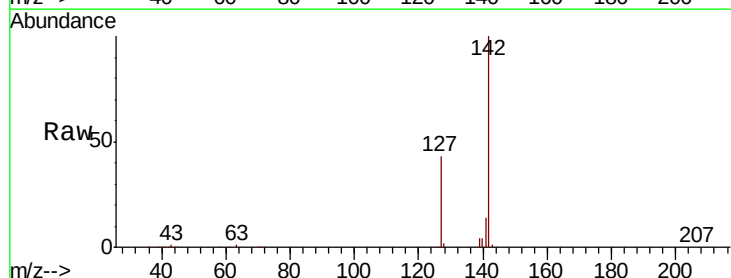
Tgt Ion:142 Resp: 628186

Ion Ratio Lower Upper

142 100

127 42.7 34.2 51.2

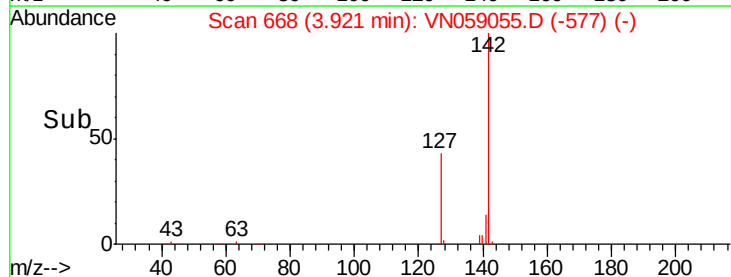
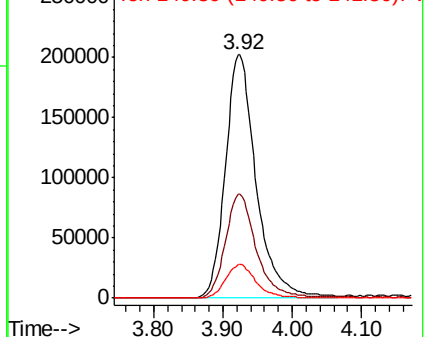
141 13.9 11.1 16.7

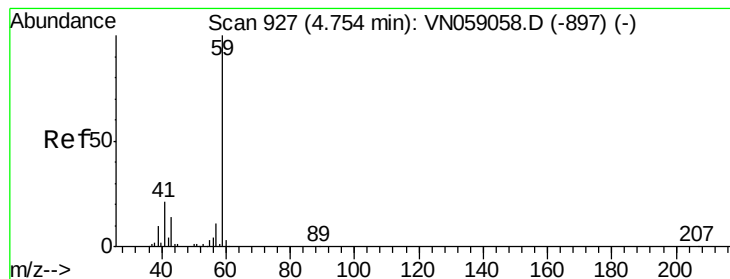


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



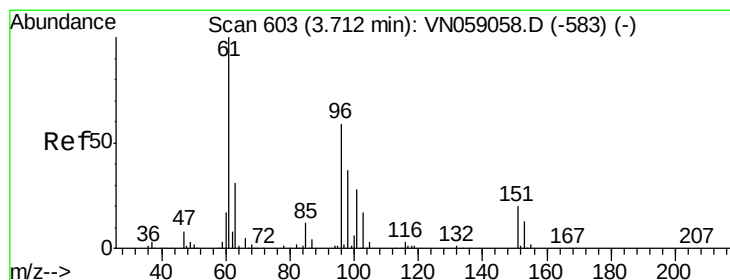
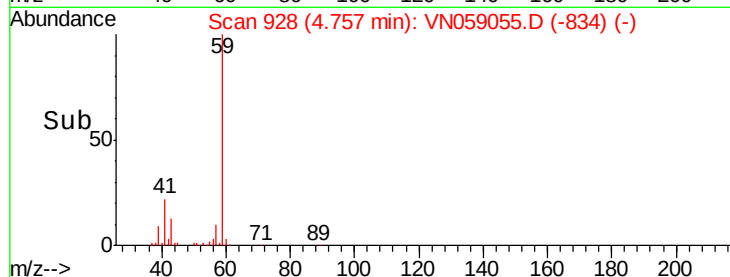
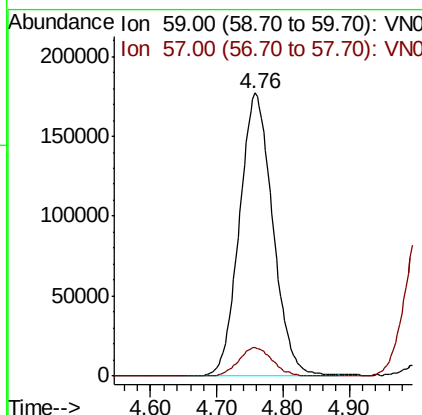
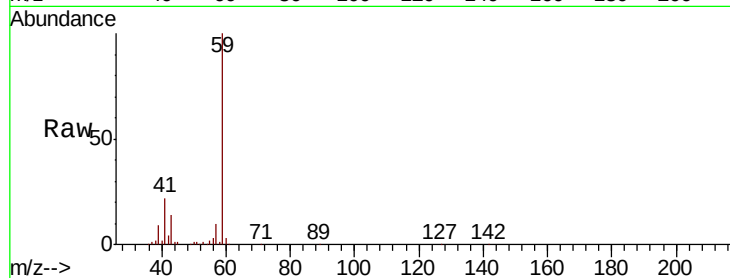


#11

Tert butyl alcohol
 Concen: 522.134 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Instrument :
 MSVOA_N
 ClientSampled :

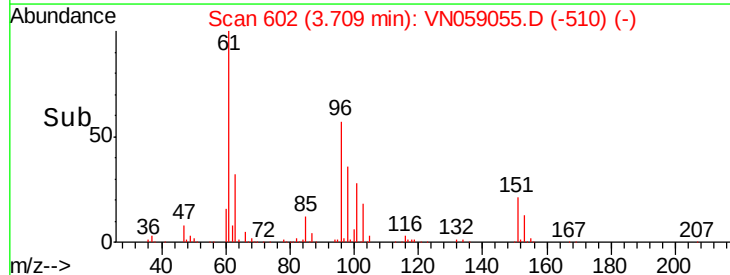
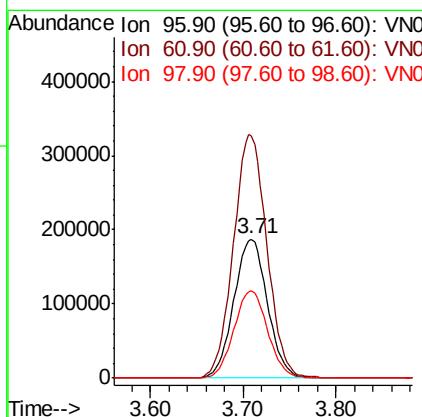
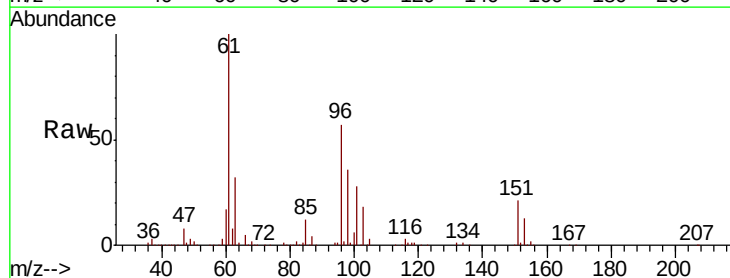
Tot Ion: 59 Resp: 619517
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.4

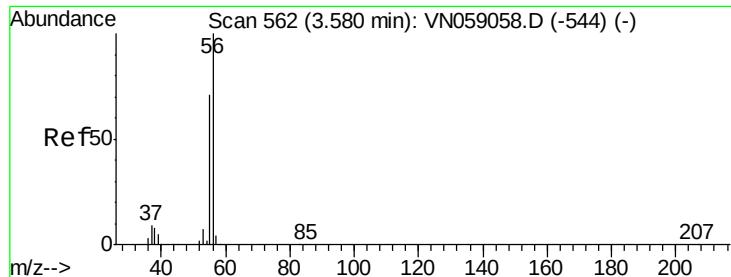


#12

1,1-Dichloroethene
 Concen: 98.537 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Tgt Ion: 96 Resp: 471259
 Ion Ratio Lower Upper
 96 100
 61 174.4 135.3 202.9
 98 62.7 49.4 74.2





#13

Acrolein

Concen: 517.676 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

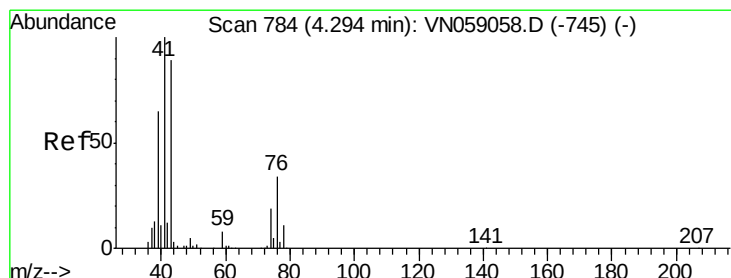
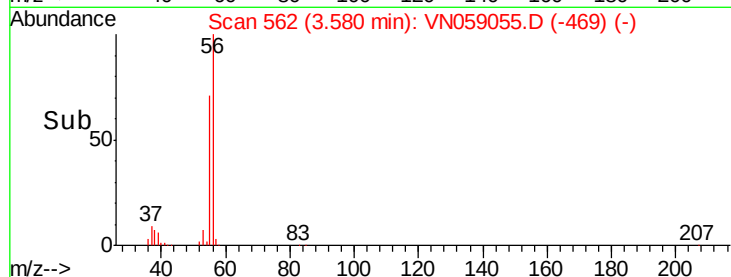
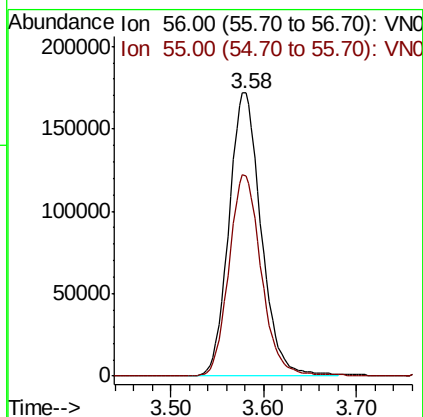
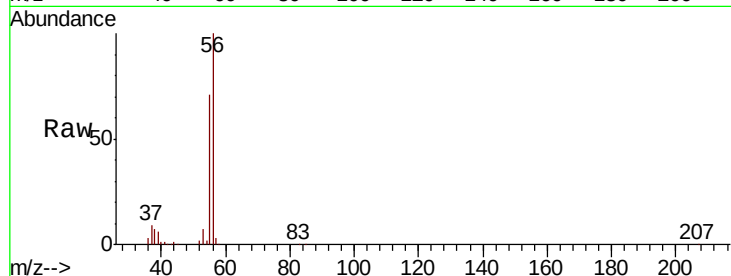
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 414330

Ion Ratio Lower Upper

56 100

55 71.6 56.1 84.1



#14

Allyl chloride

Concen: 99.735 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

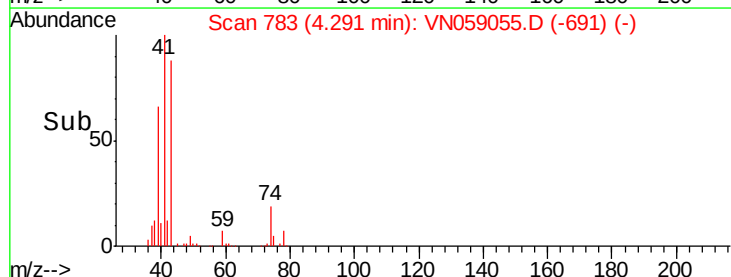
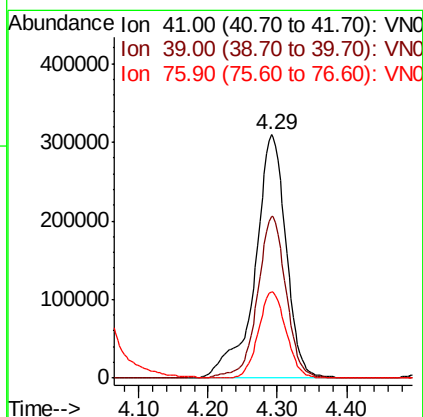
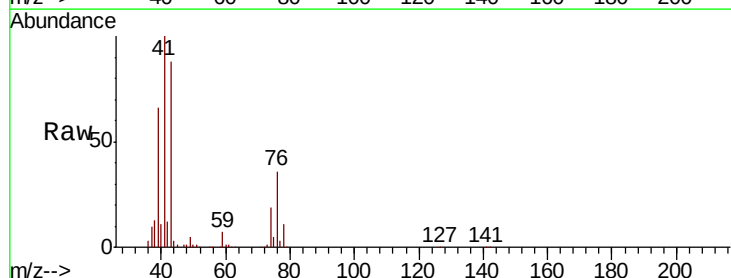
Tgt Ion: 41 Resp: 963150

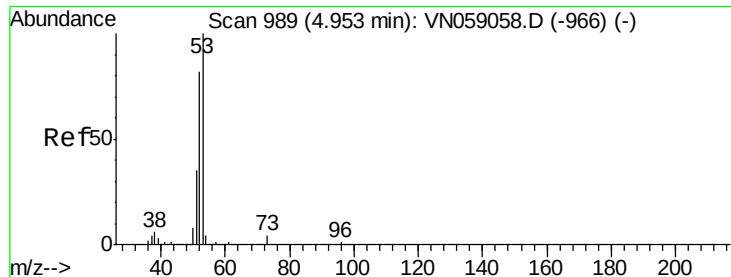
Ion Ratio Lower Upper

41 100

39 60.9 49.4 74.2

76 31.2 24.6 37.0





#15

Acrylonitrile

Concen: 528.001 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

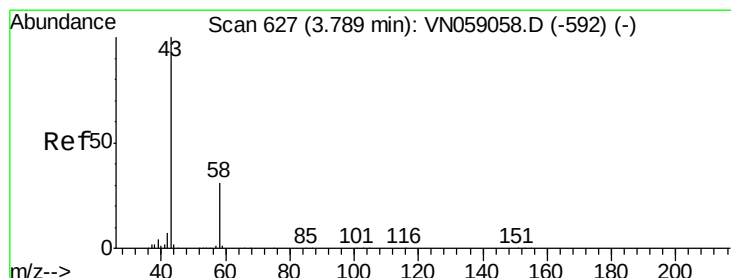
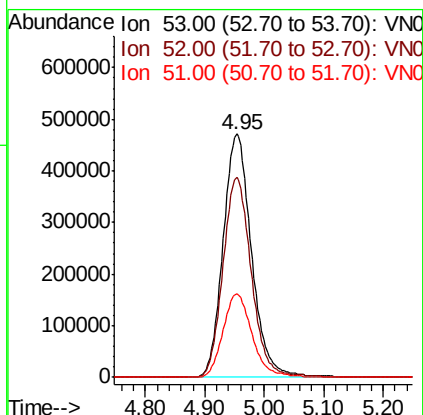
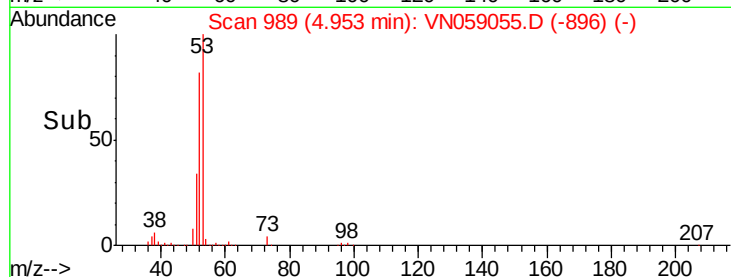
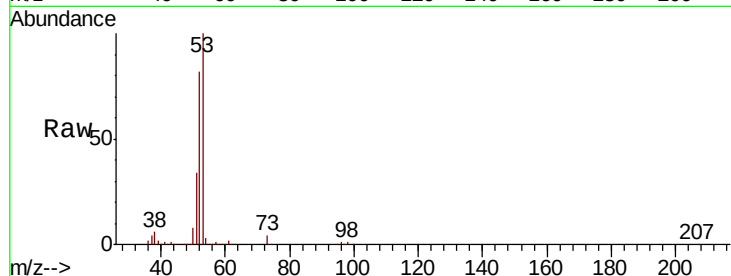
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 1565047

Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.0	99.0
51	35.4	28.3	42.5



#16

Acetone

Concen: 470.415 ug/l

RT: 3.79 min Scan# 627

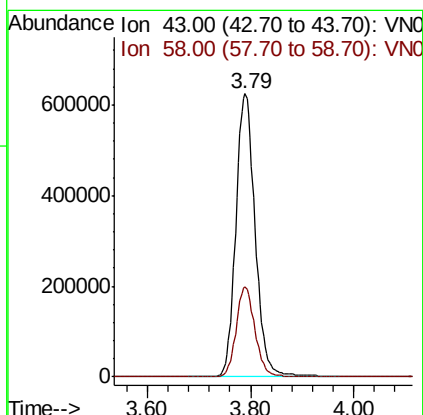
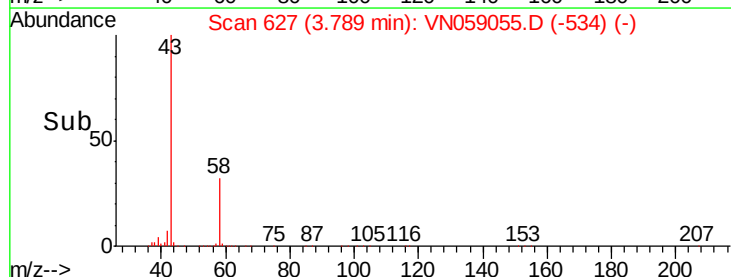
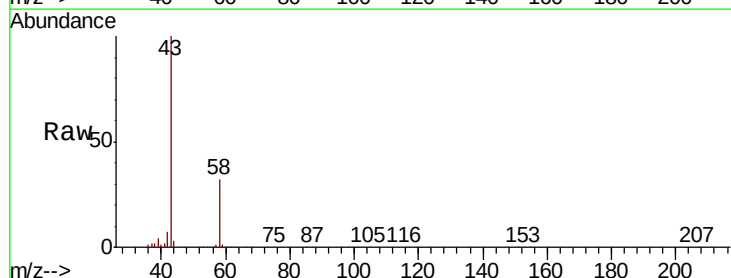
Delta R.T. 0.00 min

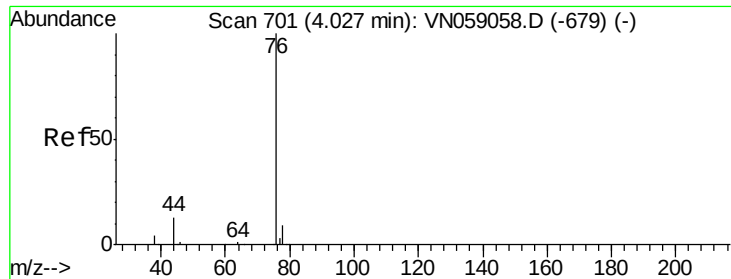
Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Tgt Ion: 43 Resp: 1627823

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.0	37.6





#17

Carbon Disulfide

Concen: 96.981 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

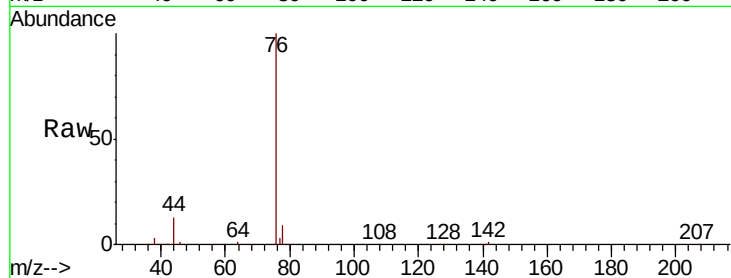
ClientSampled :

Tot Ion: 76 Resp: 1487313

Ion Ratio Lower Upper

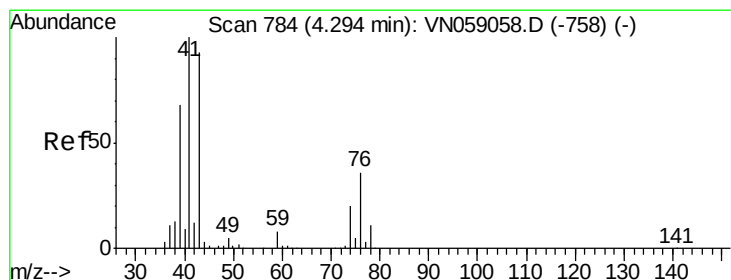
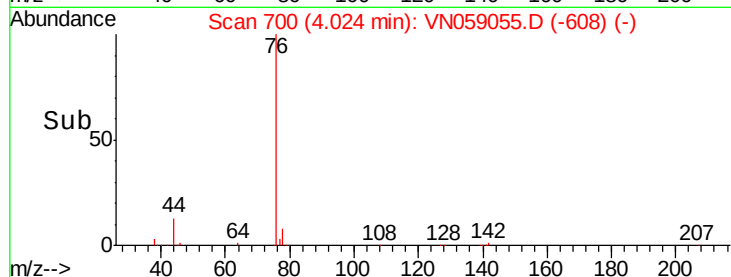
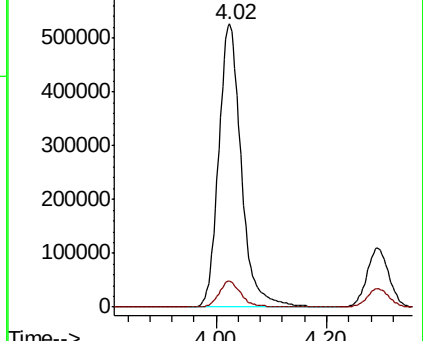
76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN059055.D (-608) (-)

Ion 77.90 (77.60 to 78.60): VN059055.D (-608) (-)



#18

Methyl Acetate

Concen: 96.609 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059055.D

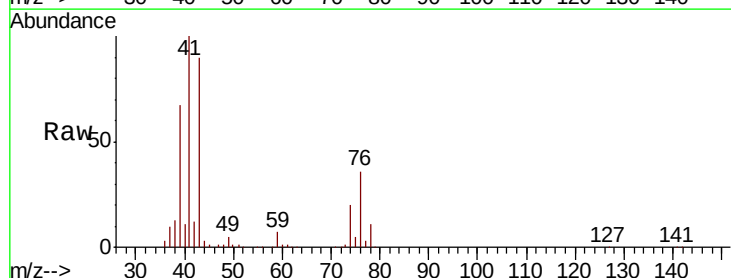
Acq: 1 Nov 2019 11:53

Tgt Ion: 43 Resp: 773944

Ion Ratio Lower Upper

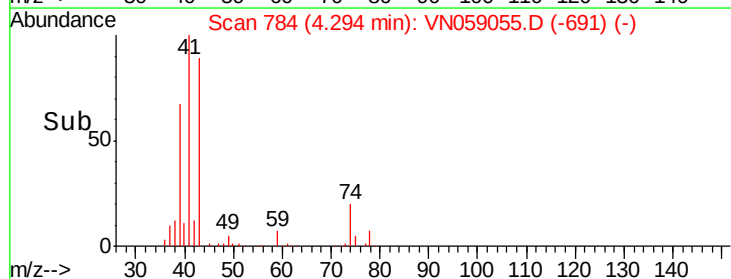
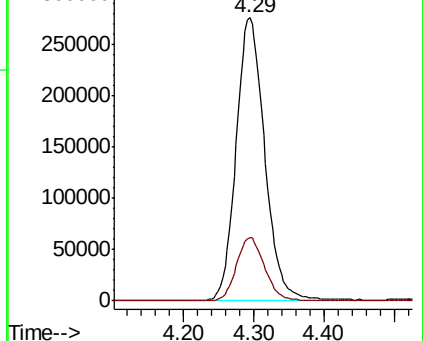
43 100

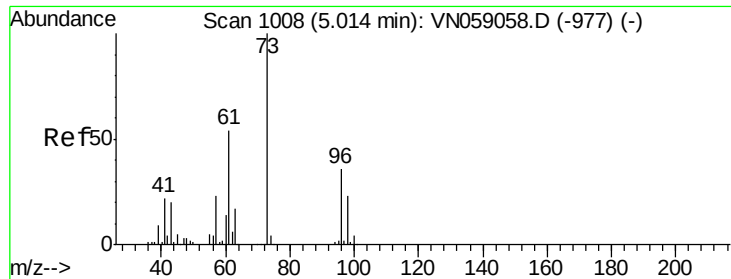
74 22.3 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN059055.D (-691) (-)

Ion 74.00 (73.70 to 74.70): VN059055.D (-691) (-)

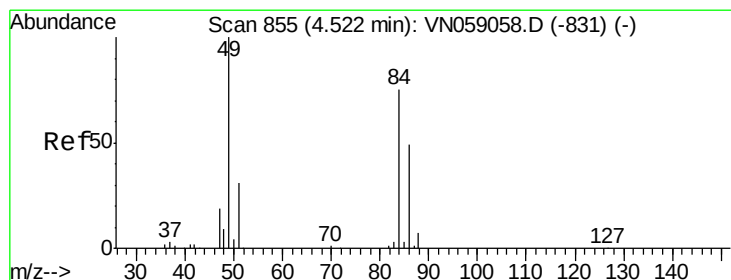
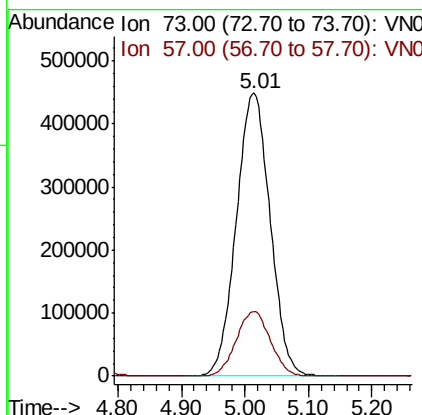
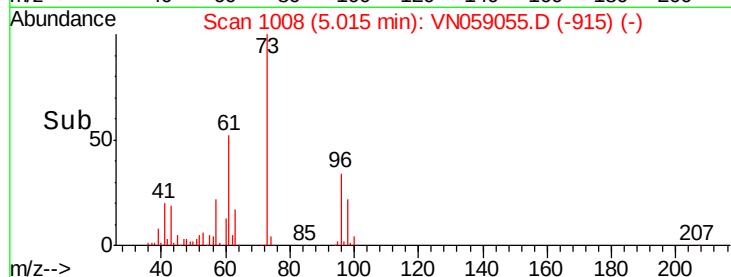
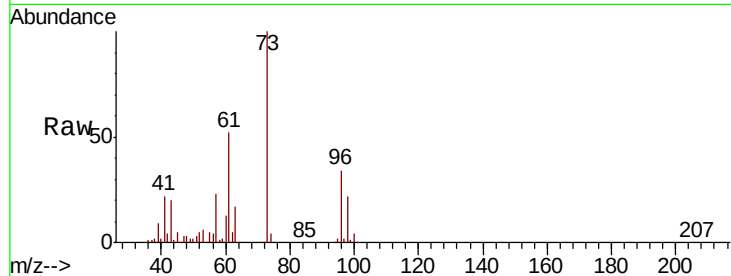




#19
Methyl tert-butyl Ether
Concen: 99.608 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

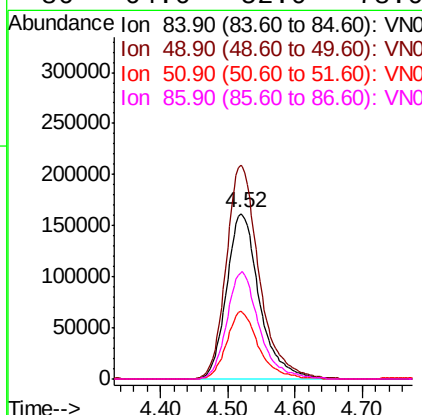
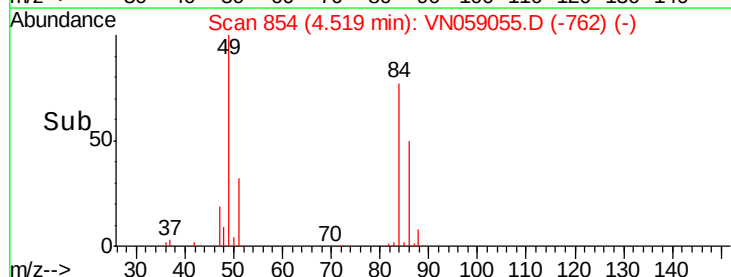
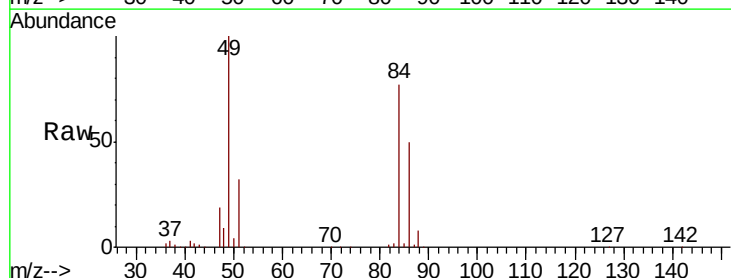
Instrument :
MSVOA_N
ClientSampled :

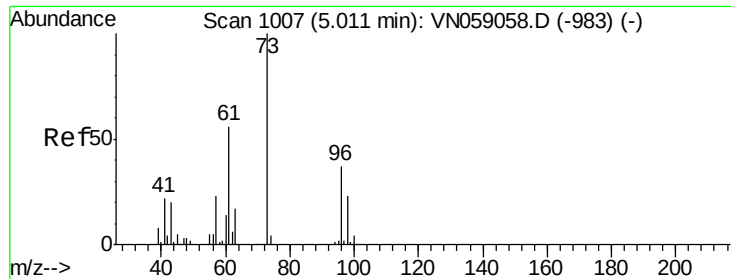
Tot Ion: 73 Resp: 1657572
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6



#20
Methylene Chloride
Concen: 91.795 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 84 Resp: 549805
Ion Ratio Lower Upper
84 100
49 129.3 106.4 159.6
51 40.8 33.0 49.4
86 64.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 97.512 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

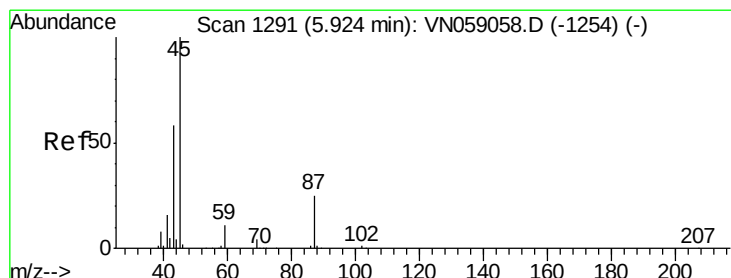
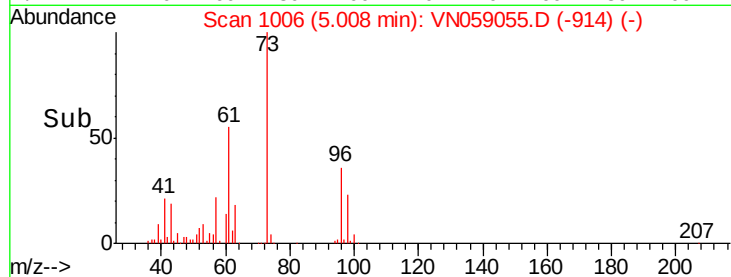
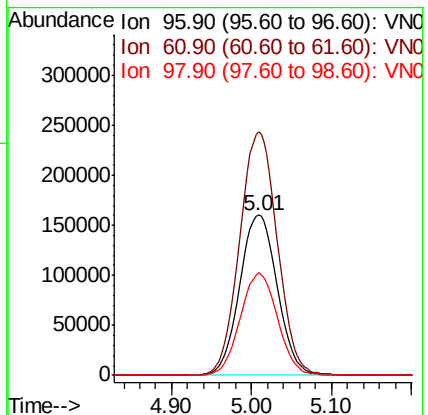
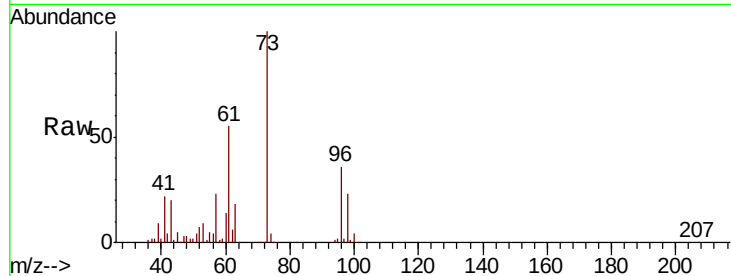
Tot Ion: 96 Resp: 512568

Ion Ratio Lower Upper

96 100

61 152.0 121.7 182.5

98 63.9 50.6 76.0



#22

Diisopropyl ether

Concen: 99.011 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Tgt Ion: 45 Resp: 1860238

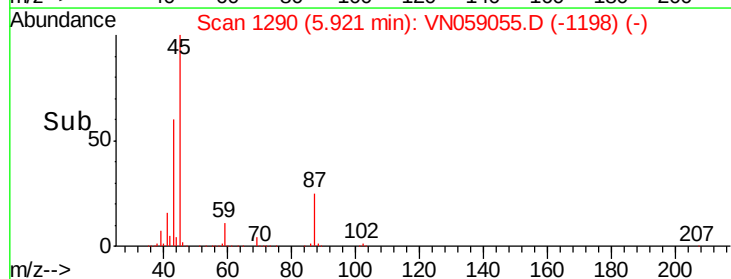
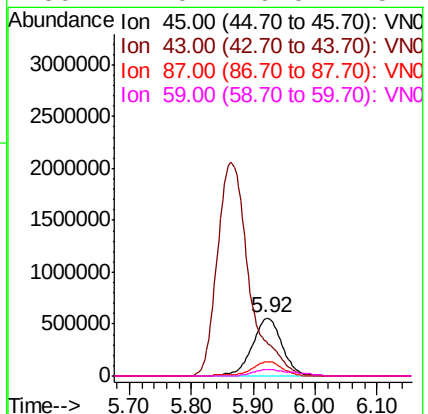
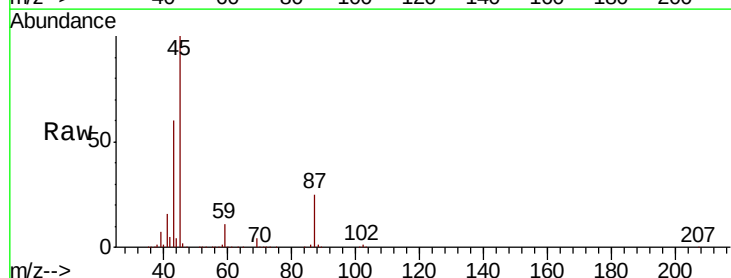
Ion Ratio Lower Upper

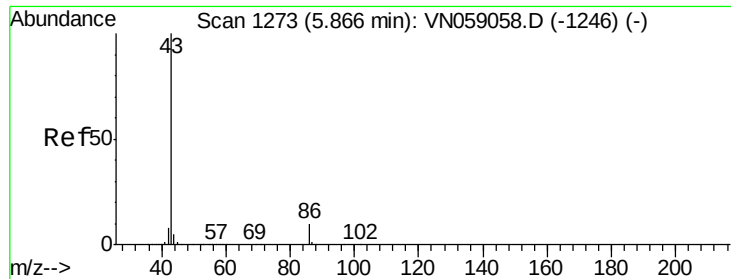
45 100

43 59.4 46.9 70.3

87 25.0 20.1 30.1

59 11.0 9.0 13.4





#23

Vinyl Acetate

Concen: 492.329 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

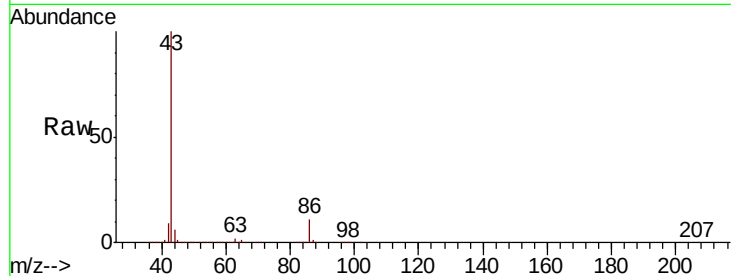
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 7393785

Ion Ratio Lower Upper

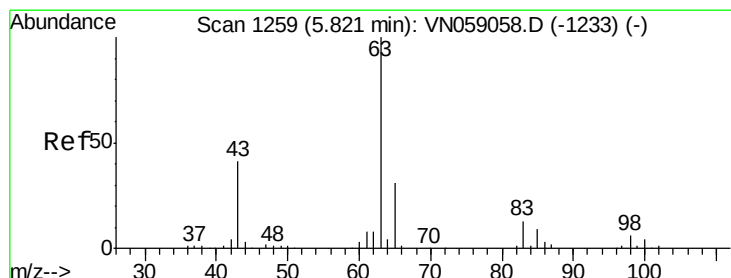
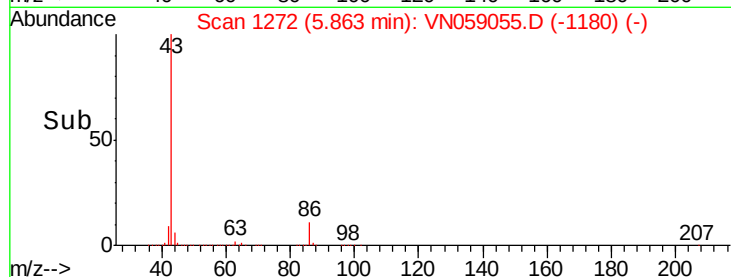
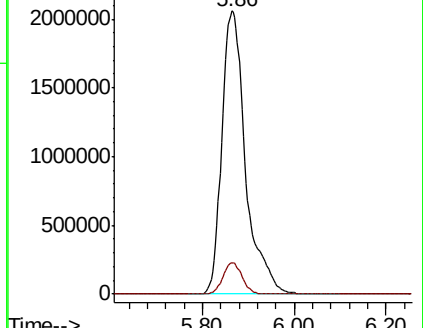
43 100

86 11.2 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN059058.D (-1246) (-)



#24

1,1-Dichloroethane

Concen: 92.810 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

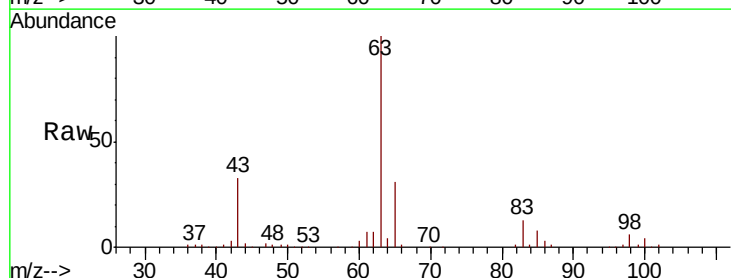
Tgt Ion: 63 Resp: 1011194

Ion Ratio Lower Upper

63 100

98 6.0 3.2 9.6

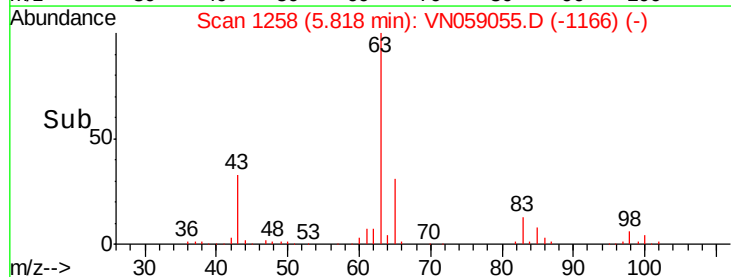
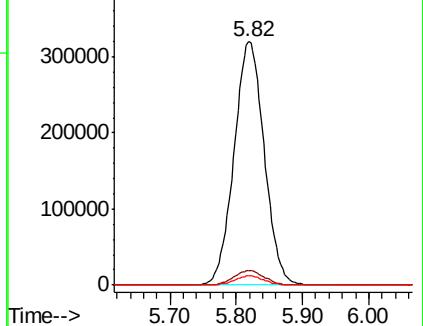
100 3.7 2.0 6.0

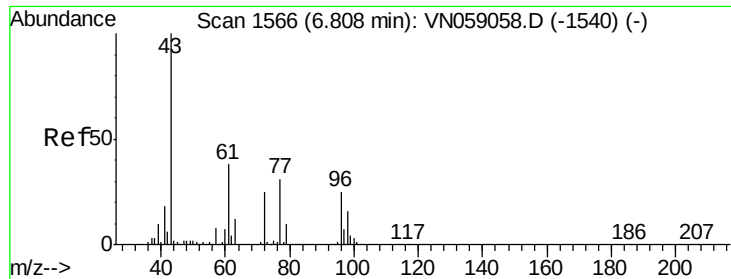


Abundance Ion 62.90 (62.60 to 63.60): VN059058.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059058.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059058.D (-1233) (-)

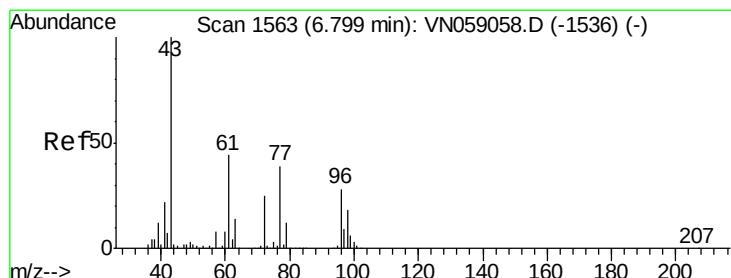
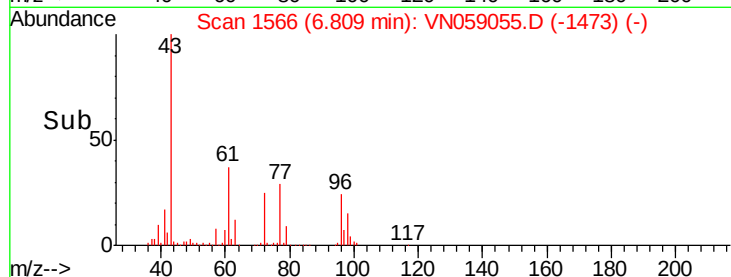
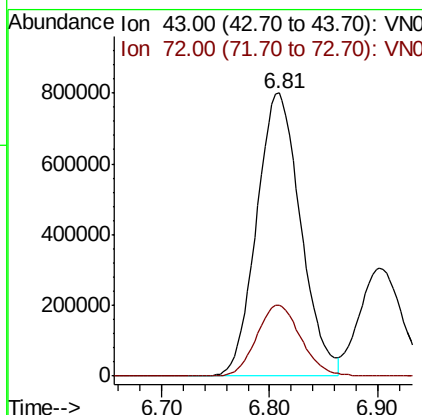
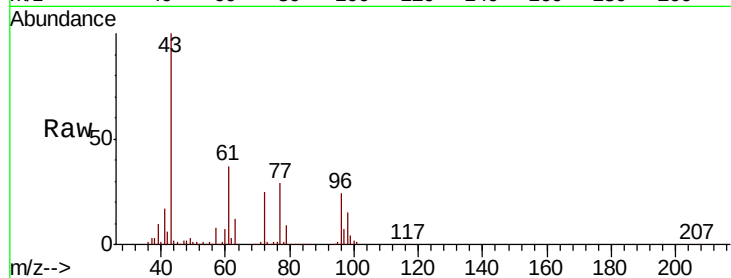




#25
2-Butanone
Concen: 500.869 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

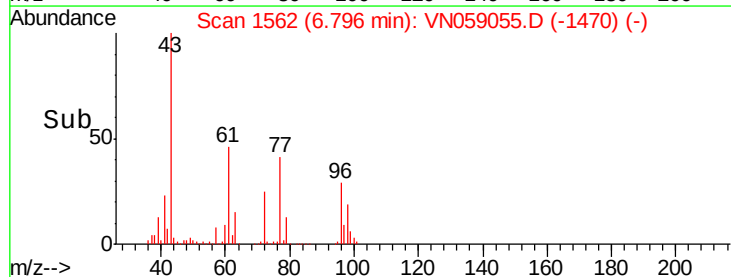
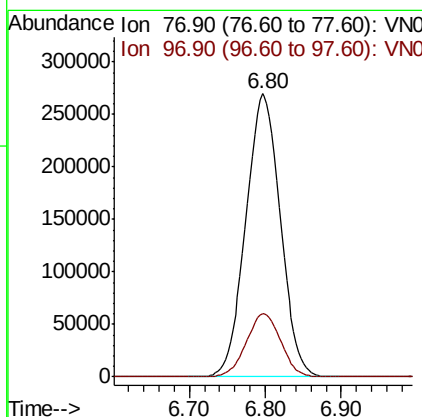
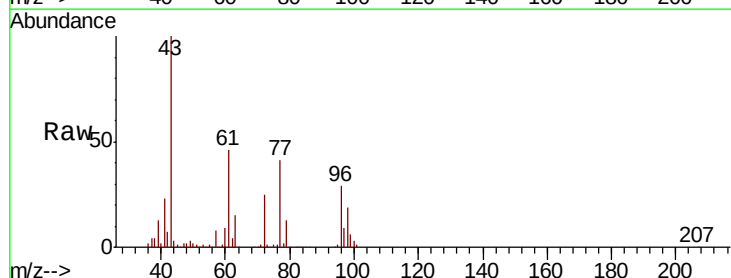
Instrument :
MSVOA_N
ClientSampled :

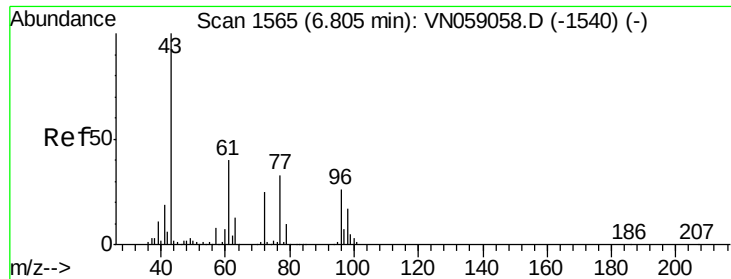
Tot Ion: 43 Resp: 2264199
Ion Ratio Lower Upper
43 100
72 25.1 19.9 29.9



#26
2,2-Dichloropropane
Concen: 90.811 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 77 Resp: 852630
Ion Ratio Lower Upper
77 100
97 22.3 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 97.296 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampled :

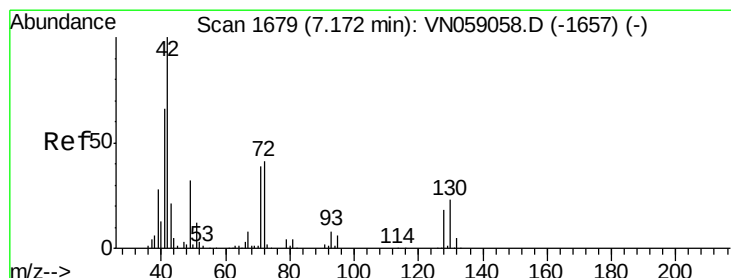
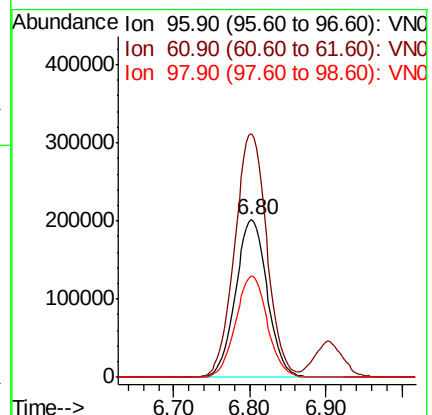
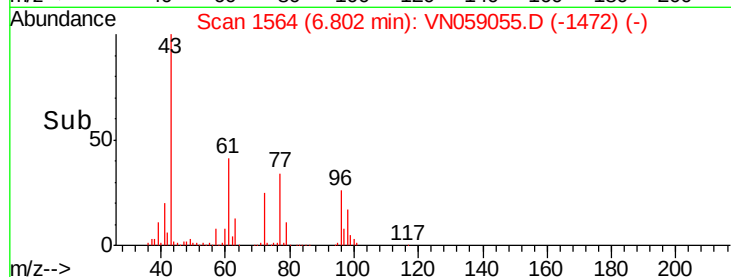
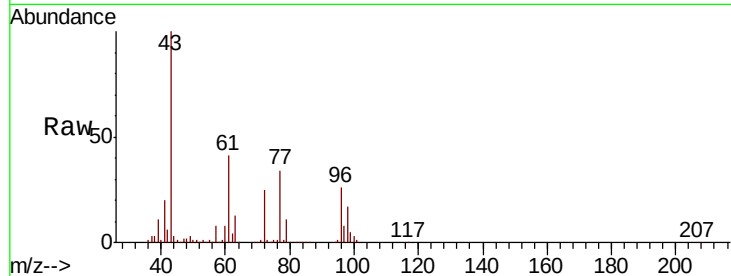
Tot Ion: 96 Resp: 583114

Ion Ratio Lower Upper

96 100

61 156.8 0.0 316.4

98 64.5 0.0 128.2



#28

Bromochloromethane

Concen: 82.676 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

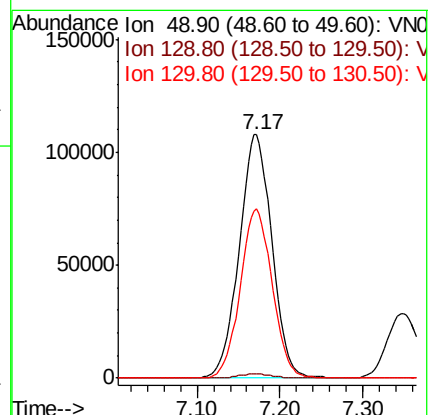
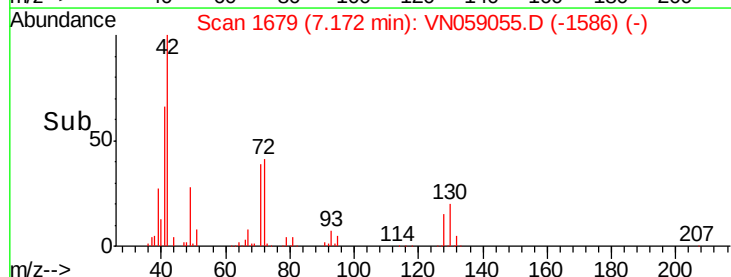
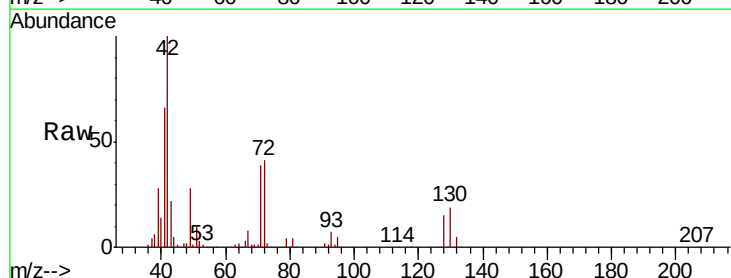
Tgt Ion: 49 Resp: 295493

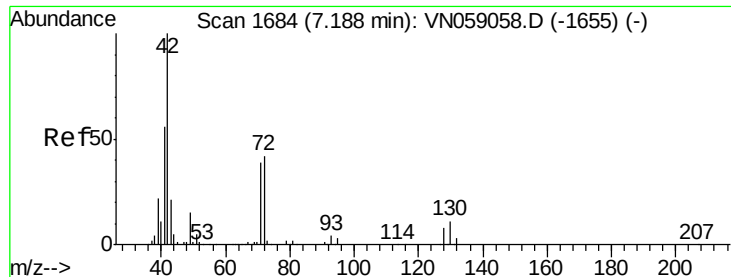
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.4

130 68.1 55.0 82.6

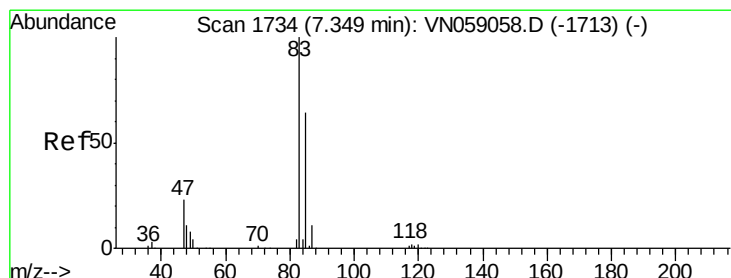
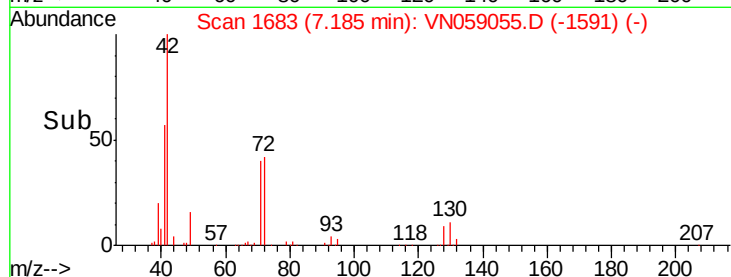
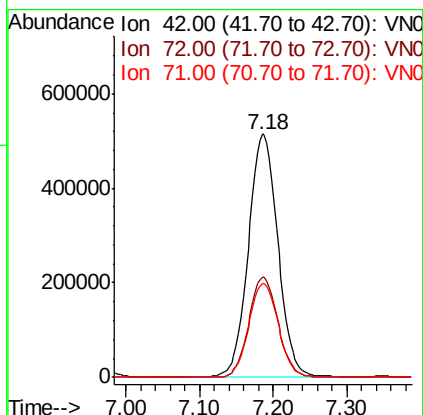
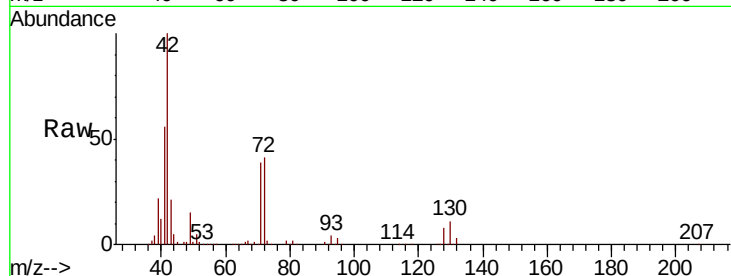




#29
Tetrahydrofuran
Concen: 518.068 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

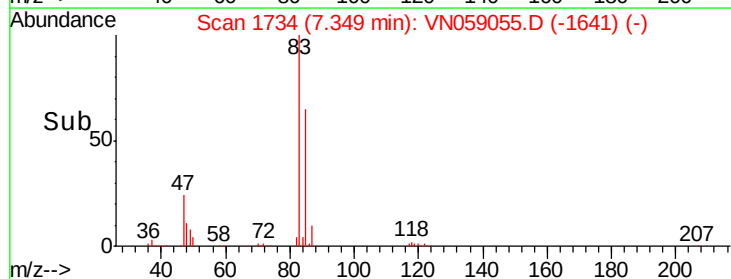
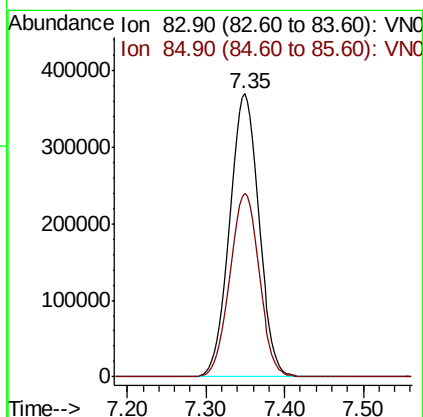
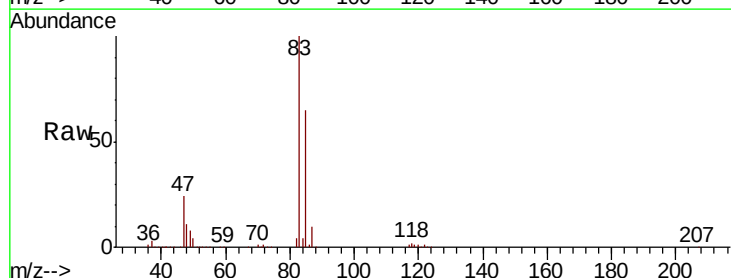
Instrument :
MSVOA_N
ClientSampled :

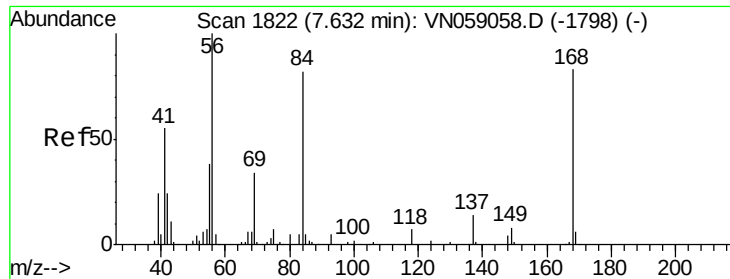
Tot Ion: 42 Resp: 1436146
Ion Ratio Lower Upper
42 100
72 40.8 32.7 49.1
71 38.8 31.2 46.8



#30
Chloroform
Concen: 88.242 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 83 Resp: 957978
Ion Ratio Lower Upper
83 100
85 64.9 50.9 76.3

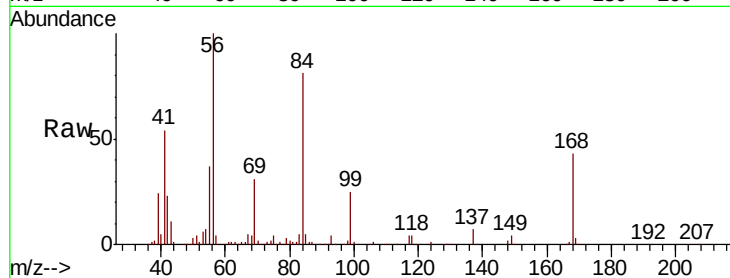




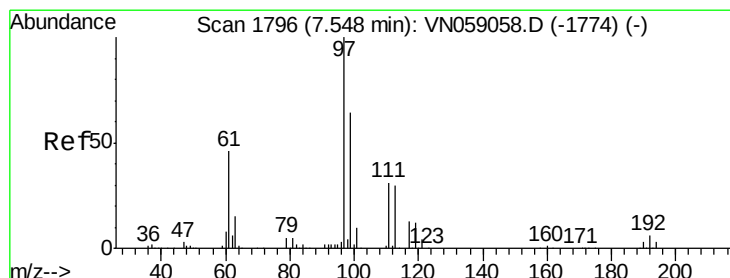
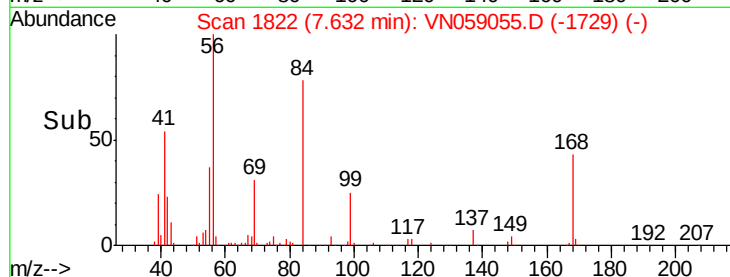
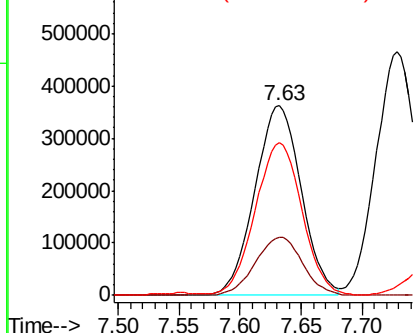
#31
Cyclohexane
Concen: 94.499 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 957471
Ion Ratio Lower Upper
56 100
69 30.7 27.2 40.8
84 79.5 65.2 97.8

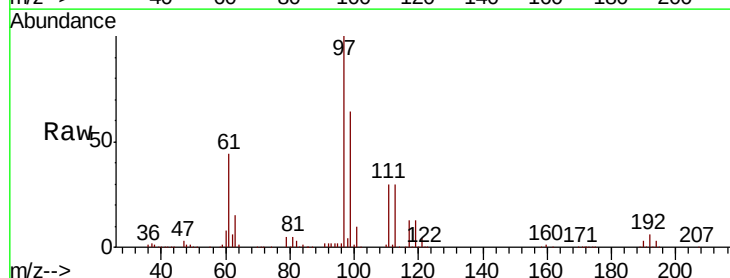


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

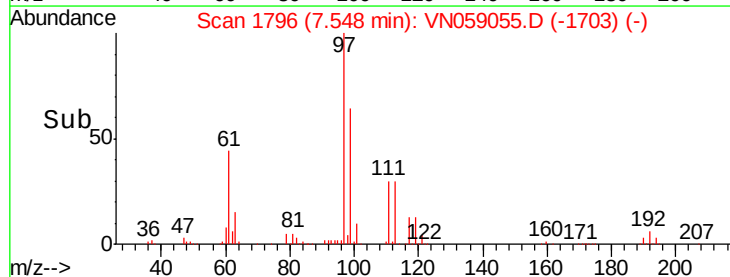
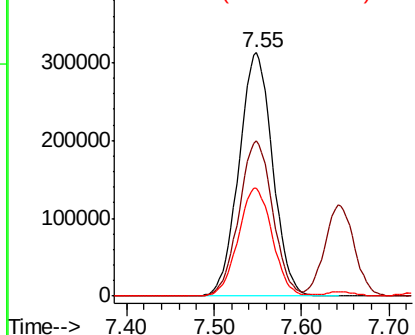


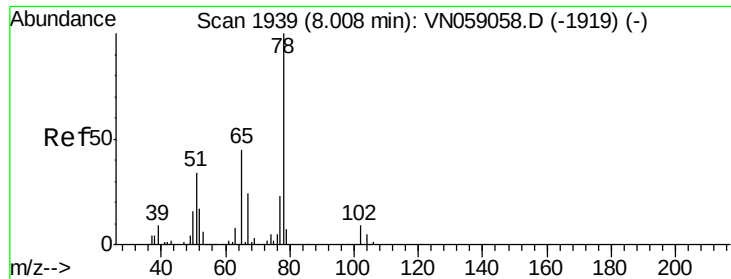
#32
1,1,1-Trichloroethane
Concen: 91.320 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 97 Resp: 833662
Ion Ratio Lower Upper
97 100
99 63.9 50.7 76.1
61 45.0 36.3 54.5



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

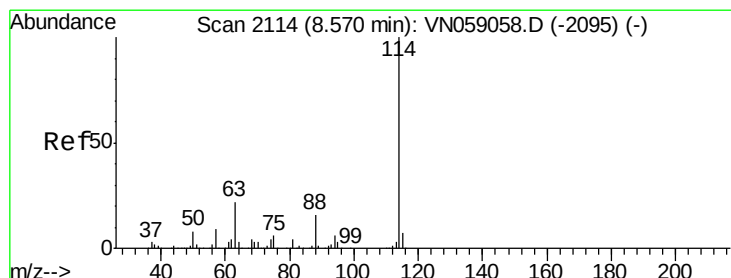
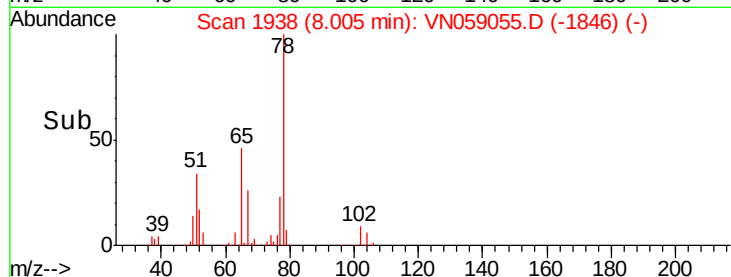
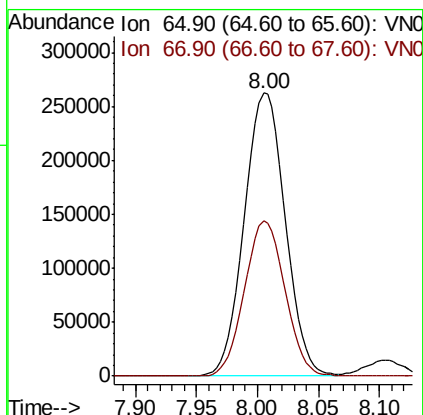
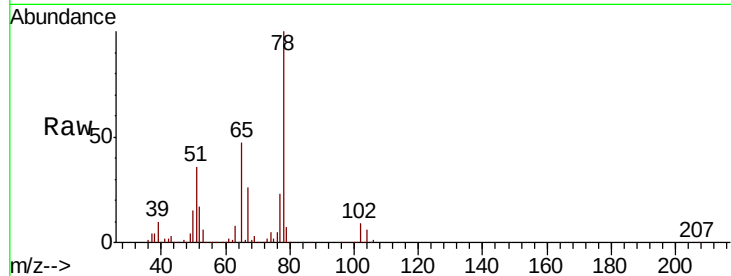




#33
 1,2-Dichloroethane-d4
 Concen: 87.016 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

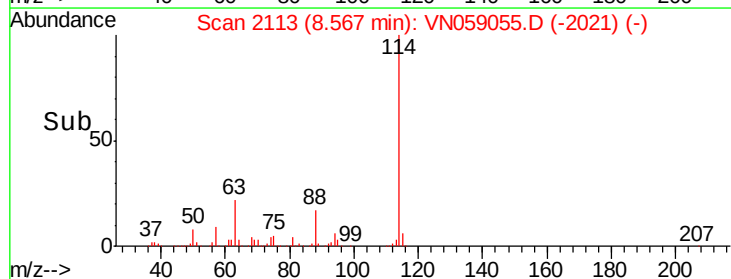
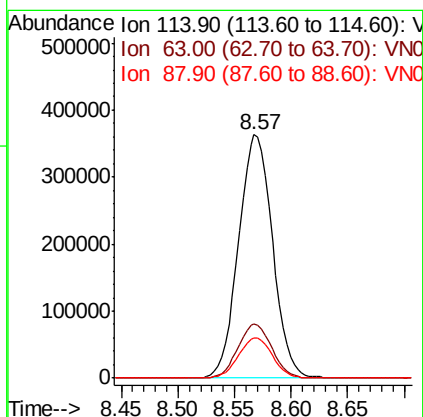
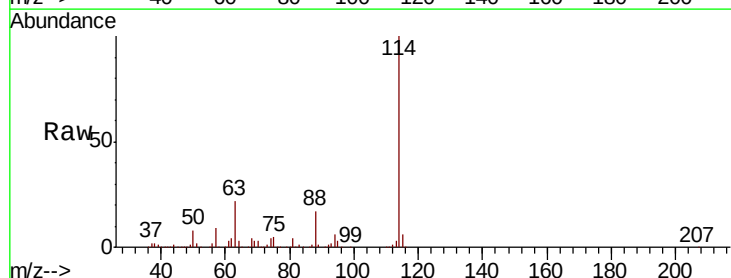
Instrument :
 MSVOA_N
 ClientSampleId :

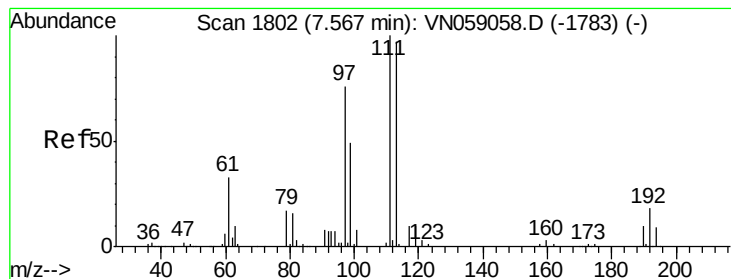
Tot Ion: 65 Resp: 610824
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Tgt Ion: 114 Resp: 761292
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 16.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 95.361 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :

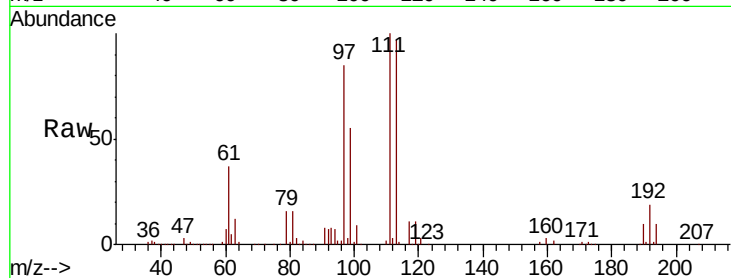
Tot Ion:113 Resp: 475546

Ion Ratio Lower Upper

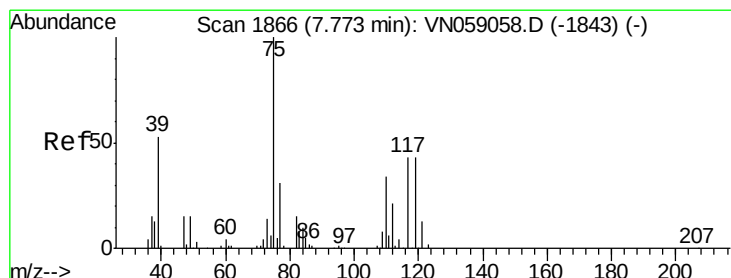
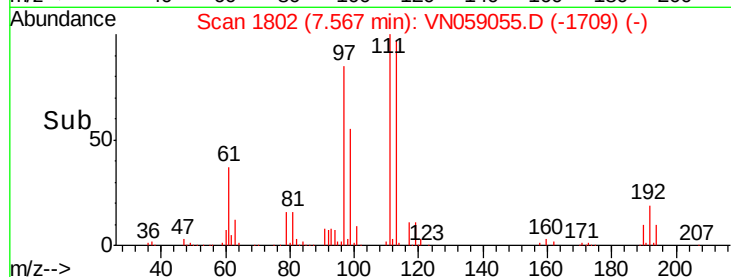
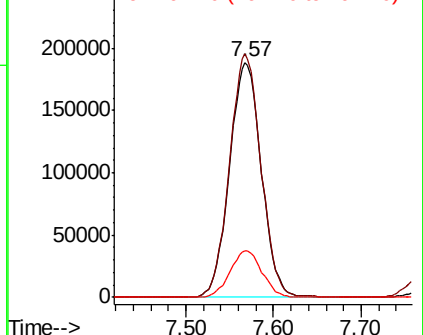
113 100

111 102.3 82.9 124.3

192 19.8 15.9 23.9



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



#36

1,1-Dichloropropene

Concen: 99.871 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

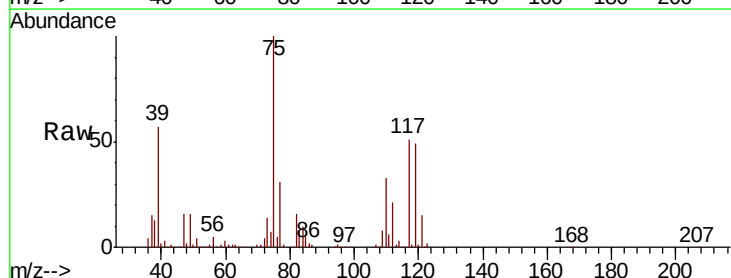
Tgt Ion: 75 Resp: 765589

Ion Ratio Lower Upper

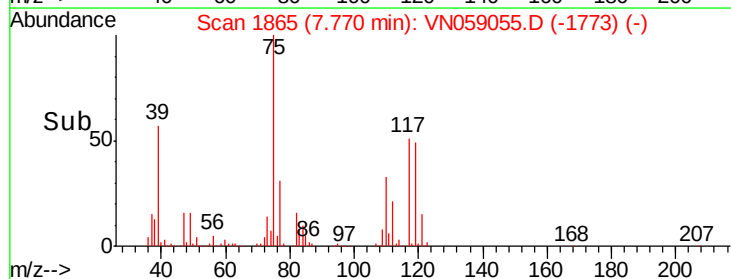
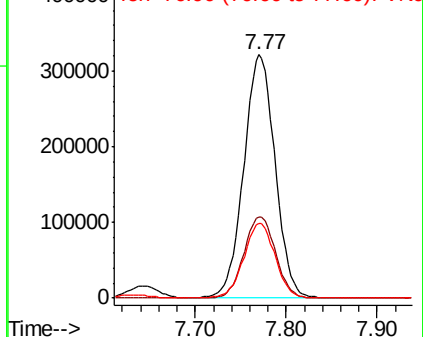
75 100

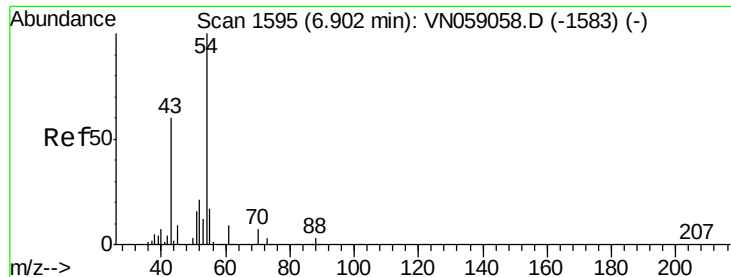
110 33.8 16.9 50.6

77 30.9 25.0 37.4



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

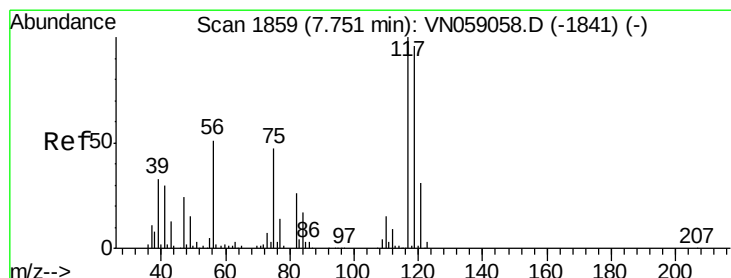
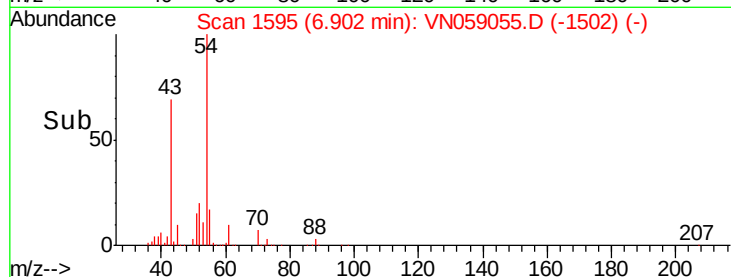
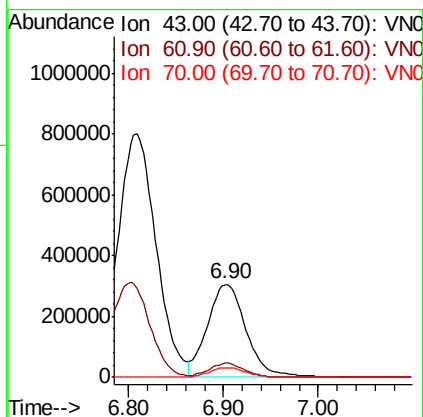
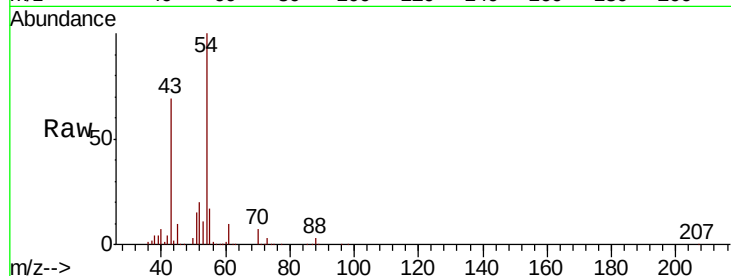




#37
Ethyl Acetate
Concen: 102.936 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

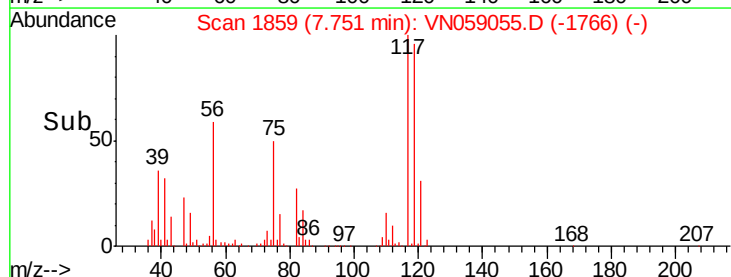
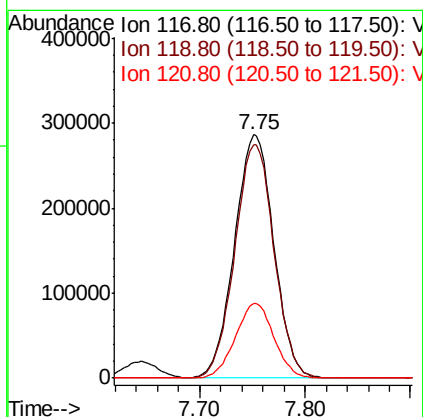
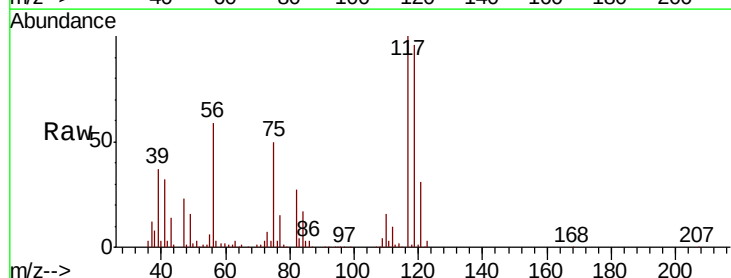
Instrument :
MSVOA_N
ClientSampleId :

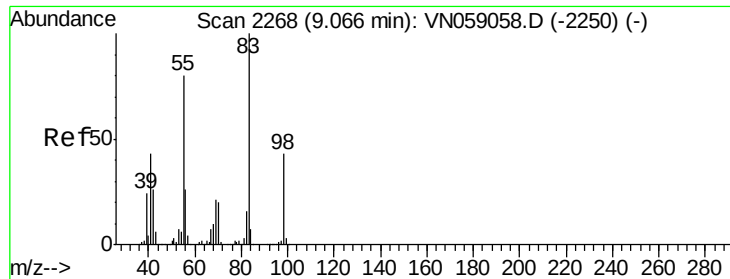
Tot Ion: 43 Resp: 861410
Ion Ratio Lower Upper
43 100
61 14.1 11.2 16.8
70 10.2 8.0 12.0



#38
Carbon Tetrachloride
Concen: 93.805 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 117 Resp: 739685
Ion Ratio Lower Upper
117 100
119 96.0 76.6 114.8
121 30.8 24.6 37.0

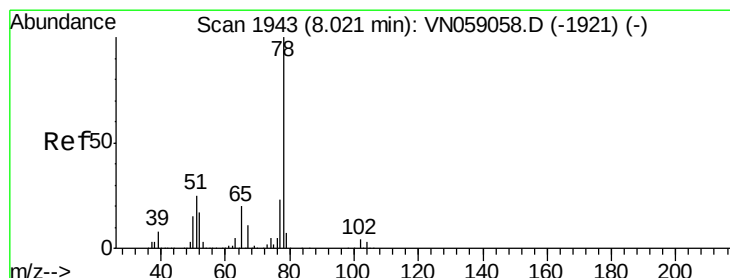
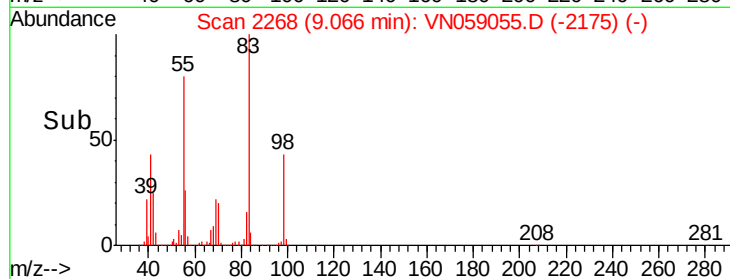
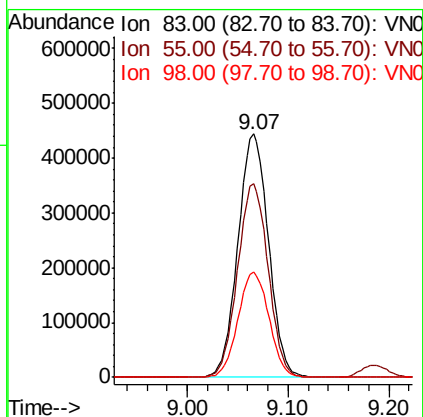
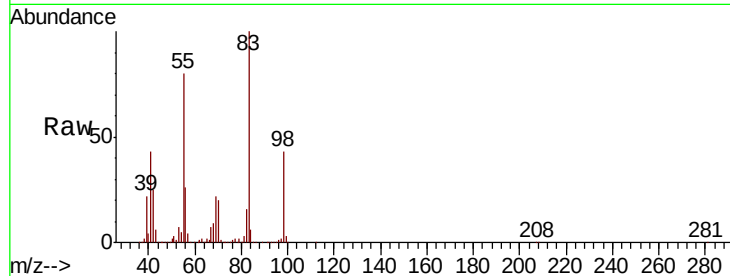




#39
Methylcyclohexane
Concen: 107.292 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

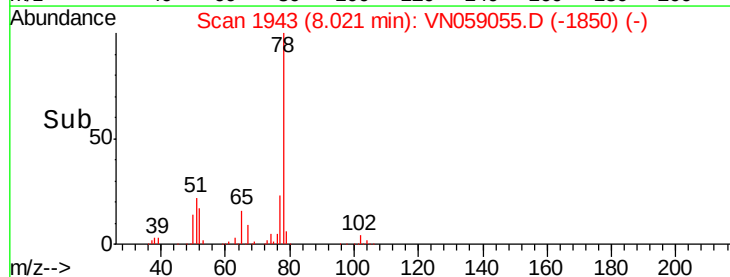
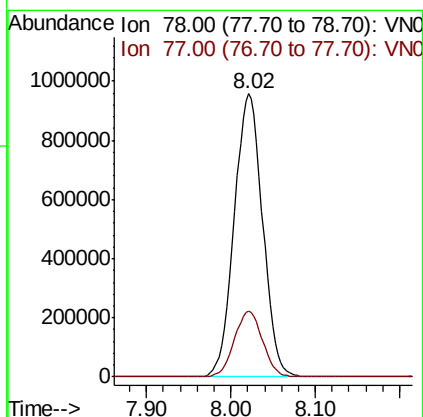
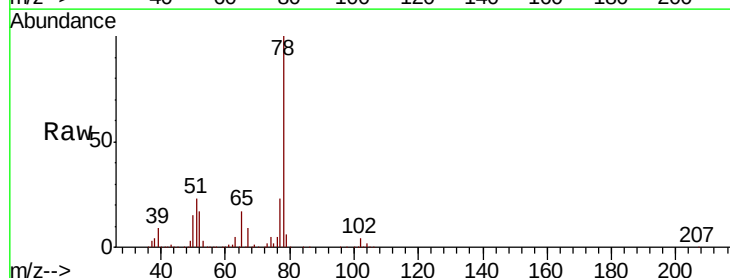
Instrument :
MSVOA_N
ClientSampled :

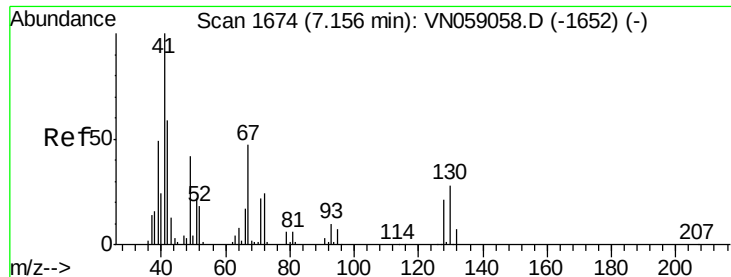
Tot Ion: 83 Resp: 931503
Ion Ratio Lower Upper
83 100
55 79.7 64.1 96.1
98 43.2 34.3 51.5



#40
Benzene
Concen: 99.320 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 78 Resp: 2245127
Ion Ratio Lower Upper
78 100
77 23.5 18.6 27.8



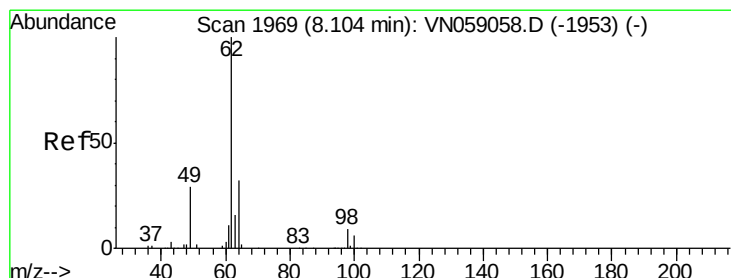
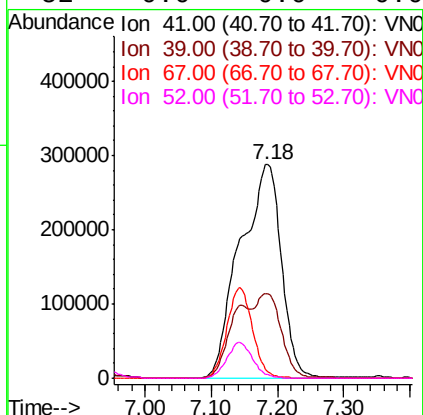
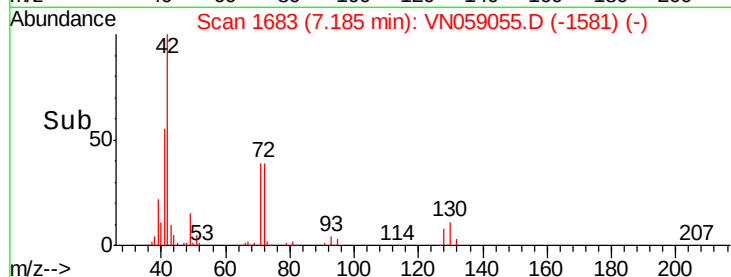
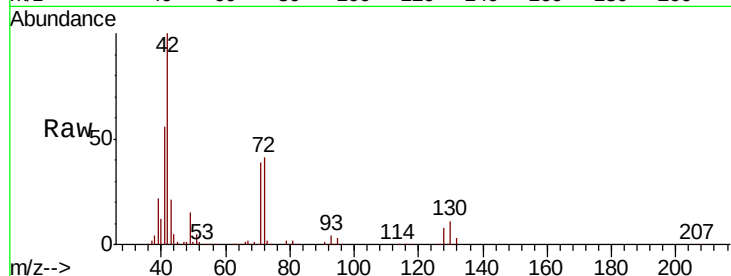


#41
Methacrylonitrile
Concen: 326.967 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 1239830

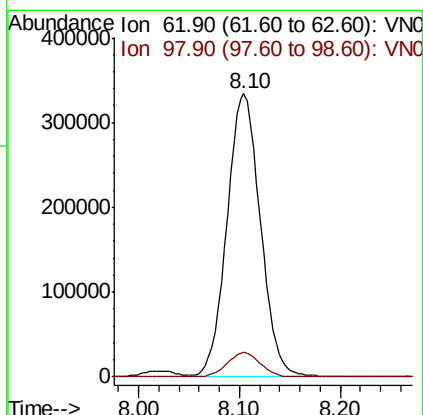
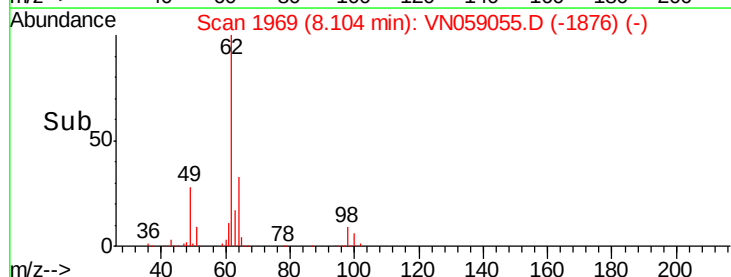
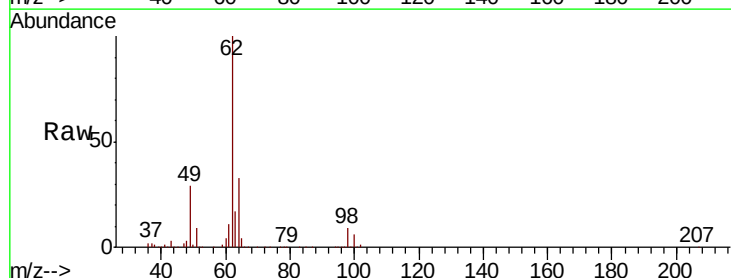
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

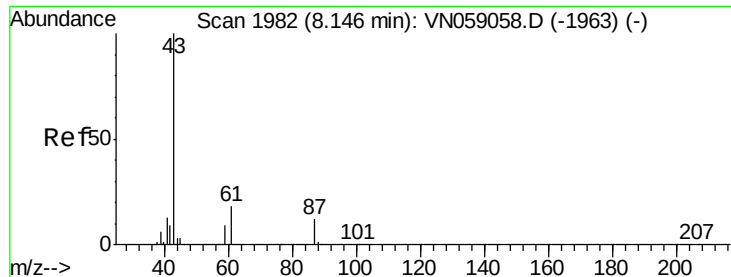


#42
1,2-Dichloroethane
Concen: 89.733 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 62 Resp: 769531

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.0

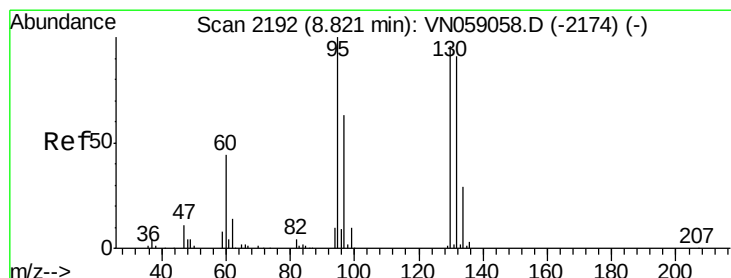
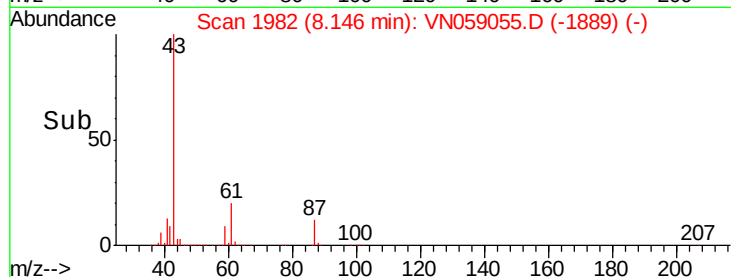
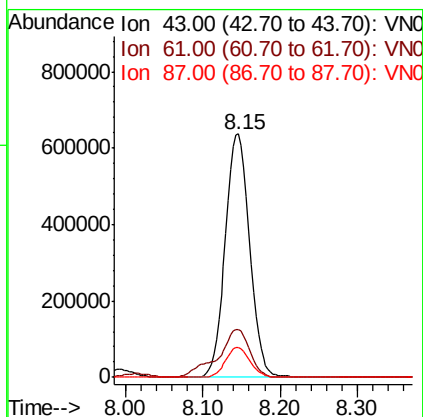
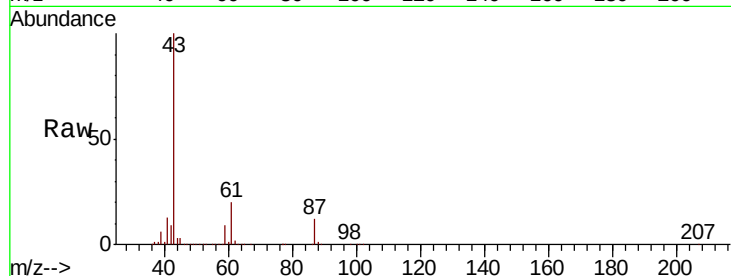




#43
Isopropyl Acetate
Concen: 102.987 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

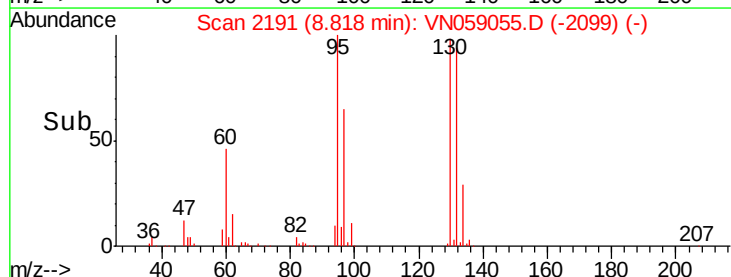
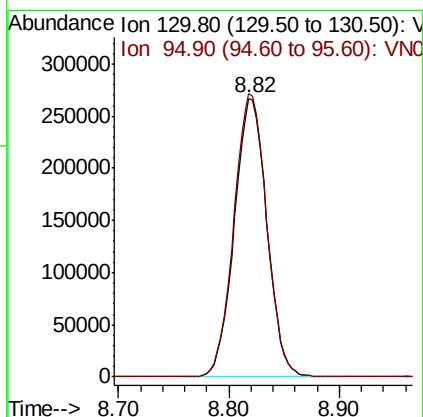
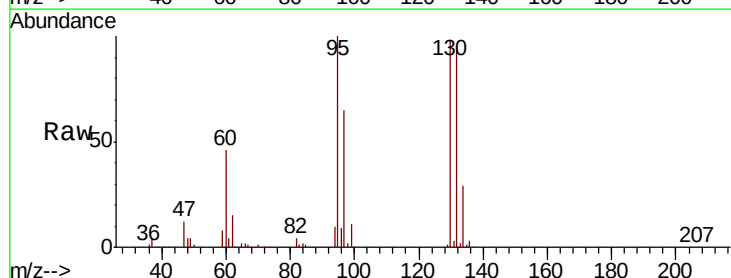
Instrument :
MSVOA_N
ClientSampleId :

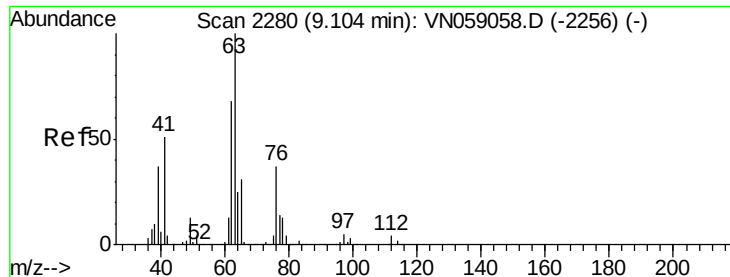
Tot Ion: 43 Resp: 1384921
Ion Ratio Lower Upper
43 100
61 25.6 20.5 30.7
87 12.2 9.8 14.8



#44
Trichloroethene
Concen: 99.061 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion:130 Resp: 546736
Ion Ratio Lower Upper
130 100
95 101.7 0.0 207.6

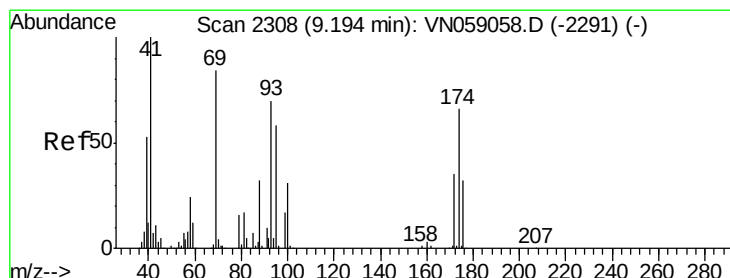
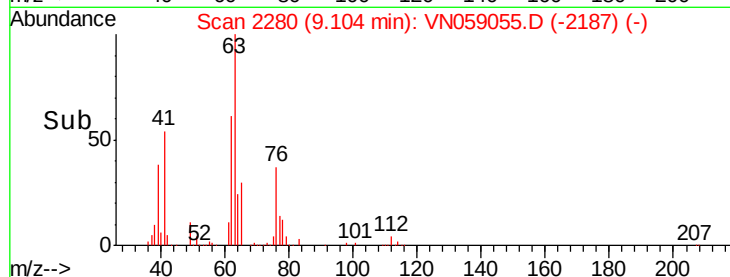
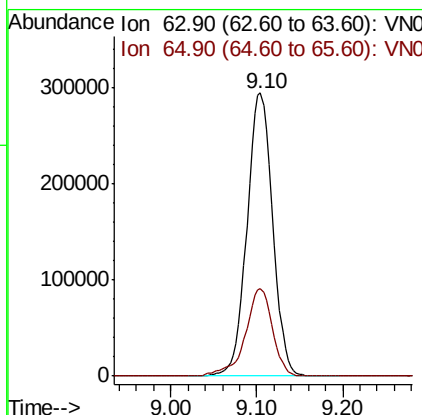
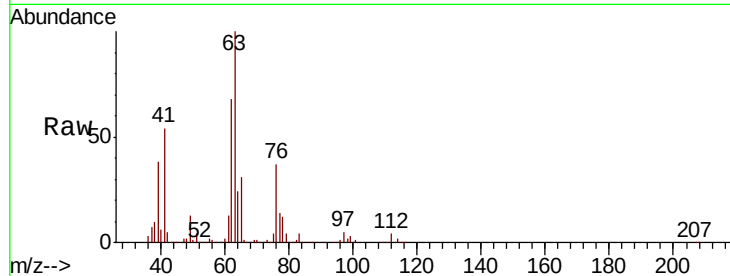




#45
 1,2-Dichloropropane
 Concen: 98.675 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

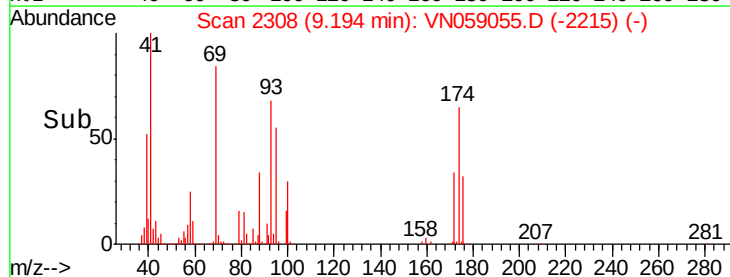
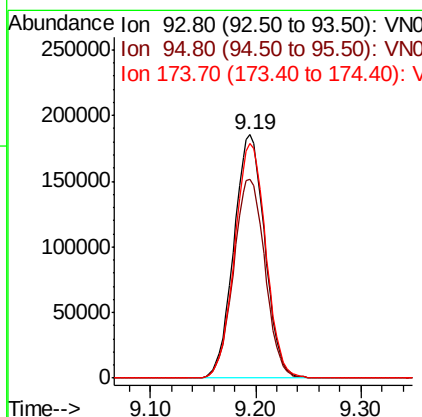
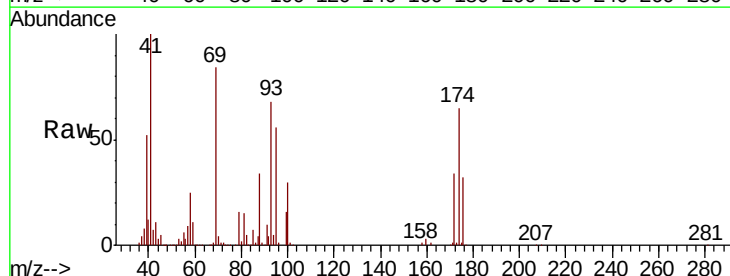
Instrument :
 MSVOA_N
 ClientSampleId :

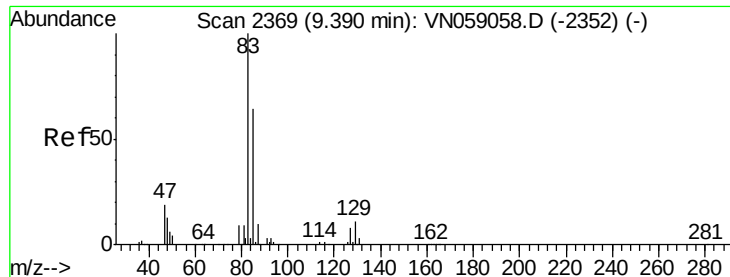
Tot Ion: 63 Resp: 611253
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6



#46
 Dibromomethane
 Concen: 96.840 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Tgt Ion: 93 Resp: 377740
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.2 100.8
 174 97.0 78.3 117.5





#47

Bromodichloromethane

Concen: 96.666 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

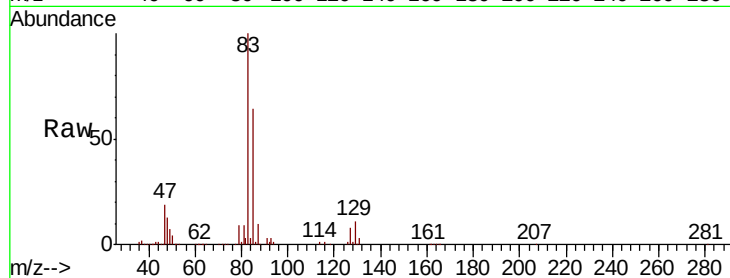
Tot Ion: 83 Resp: 775283

Ion Ratio Lower Upper

83 100

85 64.2 51.2 76.8

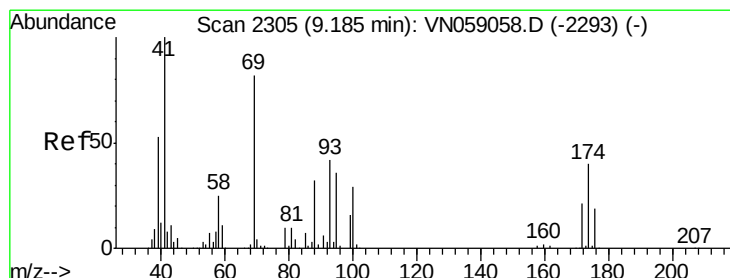
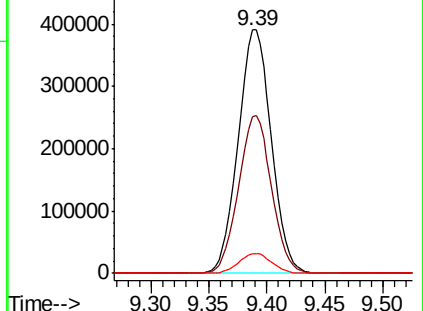
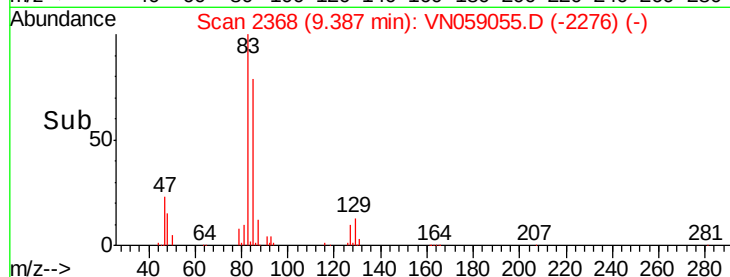
127 8.0 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN059055.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059055.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059055.D (-2276) (-)



#48

Methyl methacrylate

Concen: 106.913 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

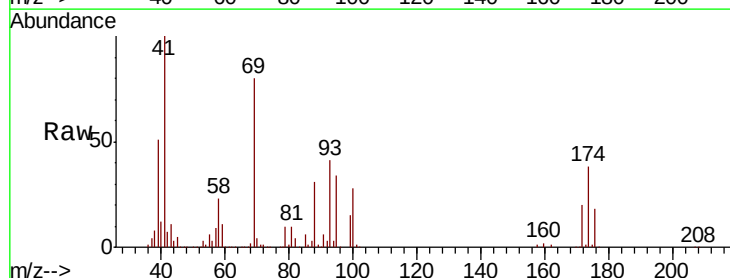
Tgt Ion: 41 Resp: 648148

Ion Ratio Lower Upper

41 100

69 83.4 67.1 100.7

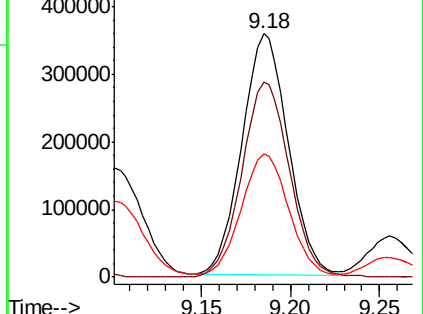
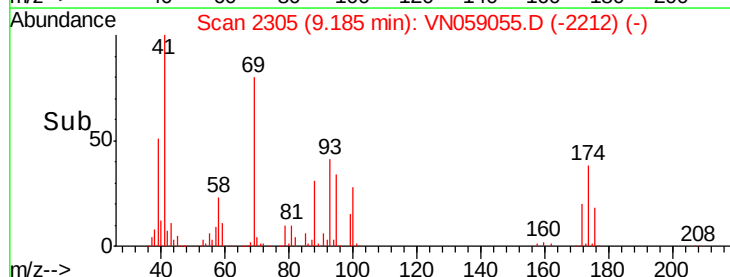
39 52.8 43.3 64.9

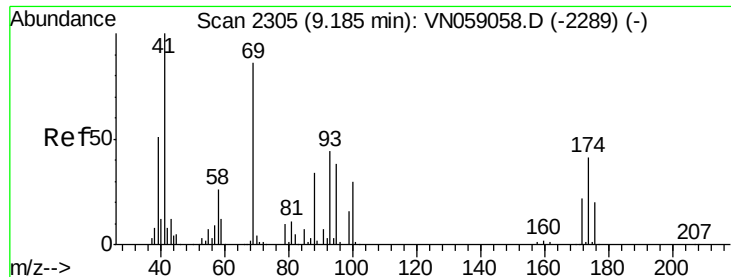


Abundance Ion 41.00 (40.70 to 41.70): VN059055.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059055.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059055.D (-2212) (-)

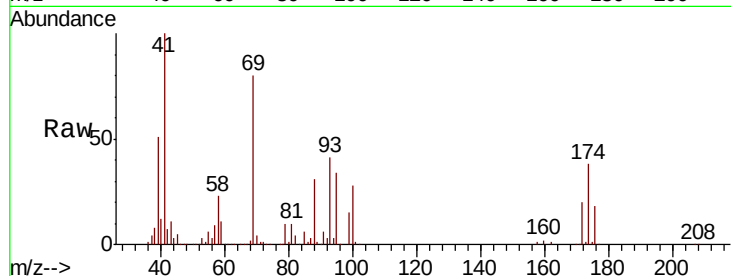




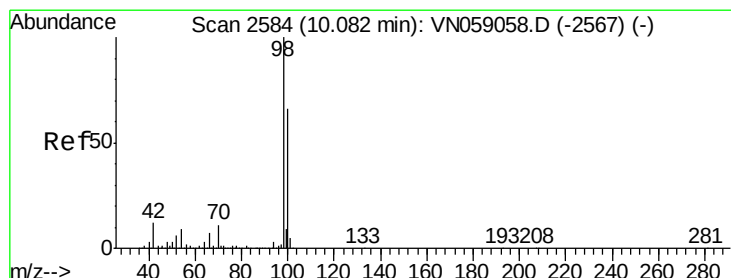
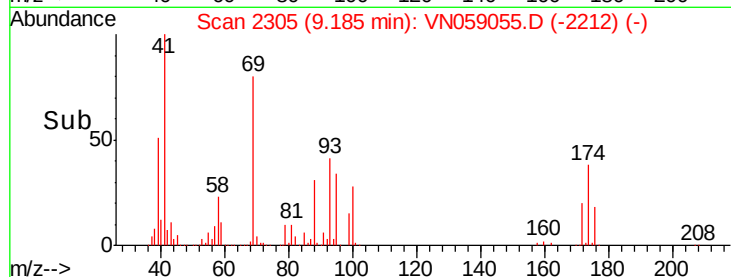
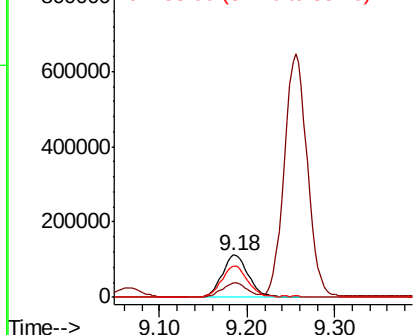
#49
1,4-Dioxane
Concen: 2327.802 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 237333
Ion Ratio Lower Upper
88 100
43 32.0 26.2 39.2
58 72.7 59.1 88.7

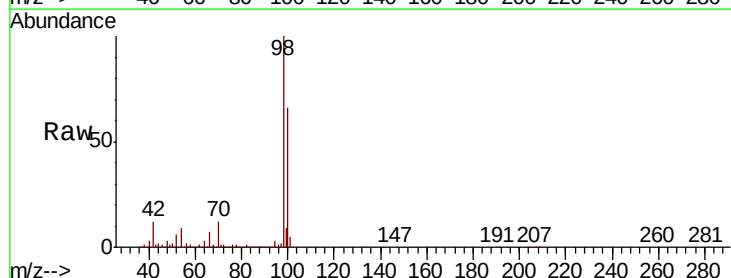


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

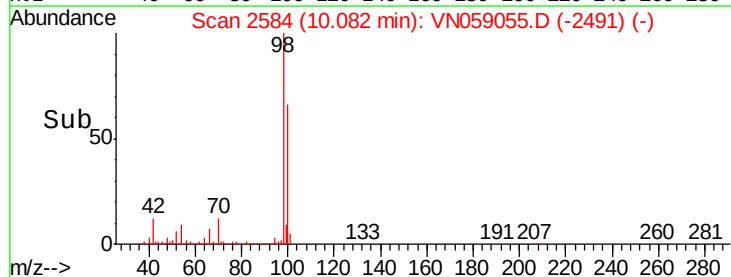
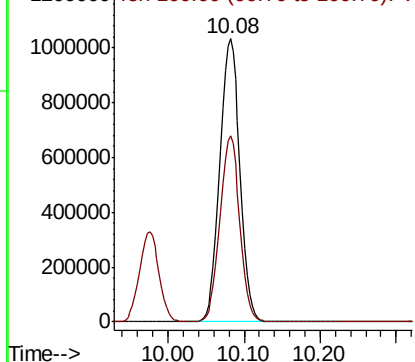


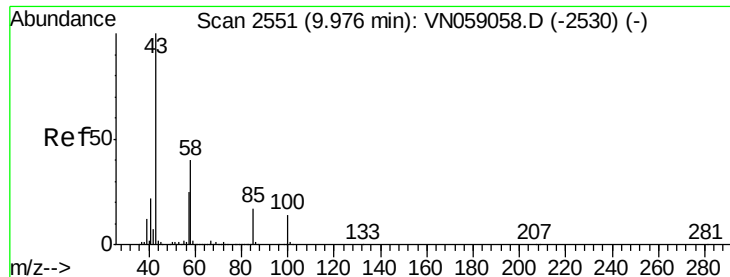
#50
Toluene-d8
Concen: 97.405 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 98 Resp: 1895014
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



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: 501.528 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

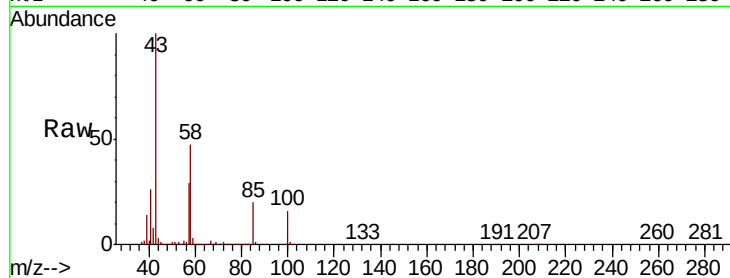
ClientSampled :

Tot Ion: 43 Resp: 3920482

Ion Ratio Lower Upper

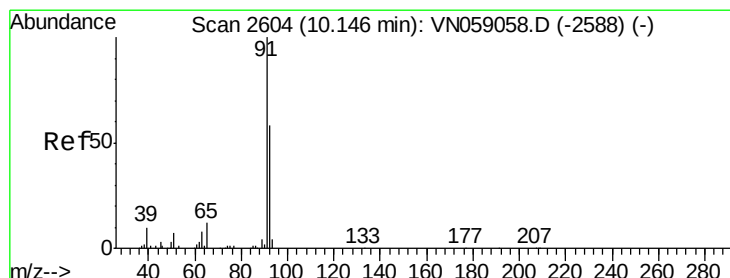
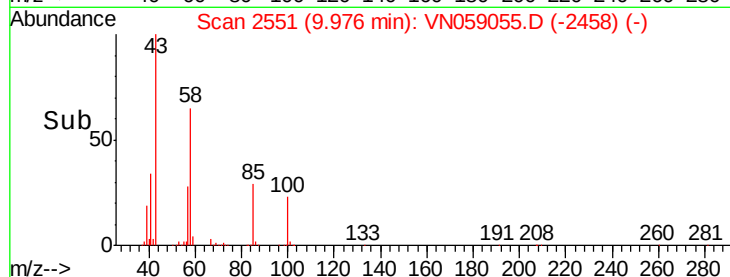
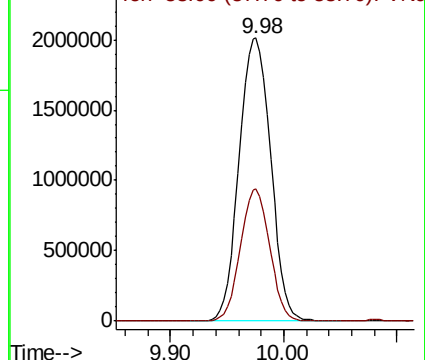
43 100

58 43.3 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 103.515 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059055.D

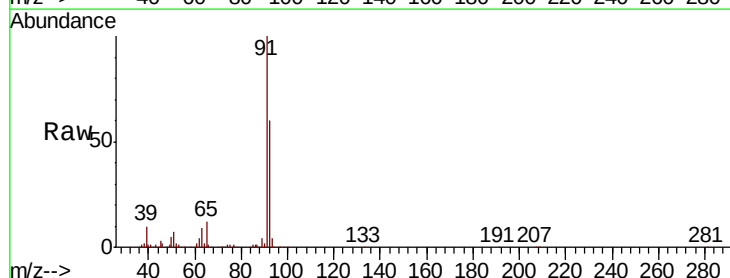
Acq: 1 Nov 2019 11:53

Tgt Ion: 92 Resp: 1384813

Ion Ratio Lower Upper

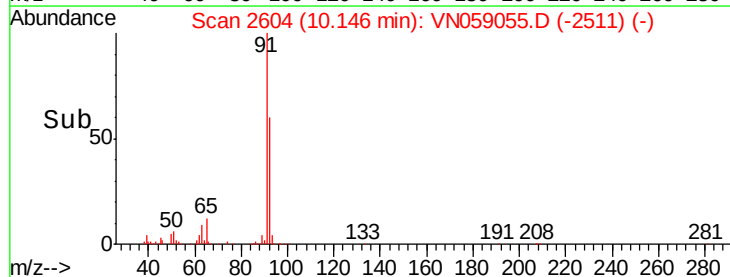
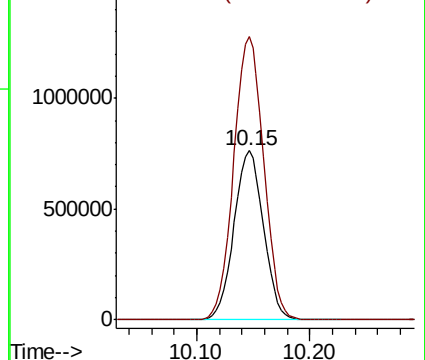
92 100

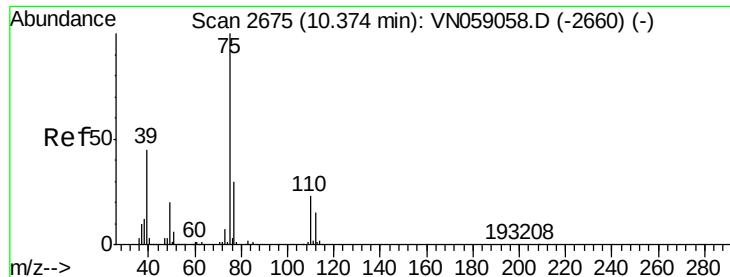
91 170.4 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 103.199 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

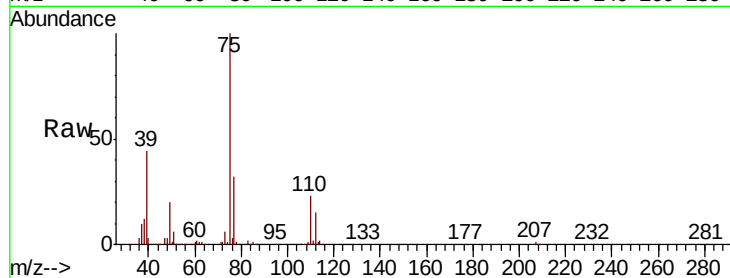
ClientSampleId :

Tot Ion: 75 Resp: 918834

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

500000

400000

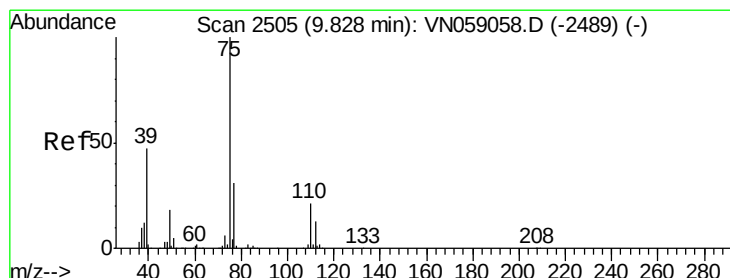
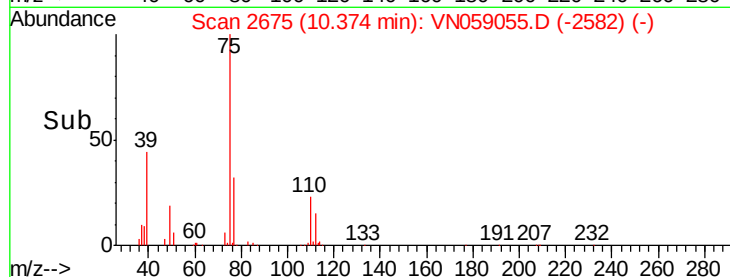
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 102.863 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

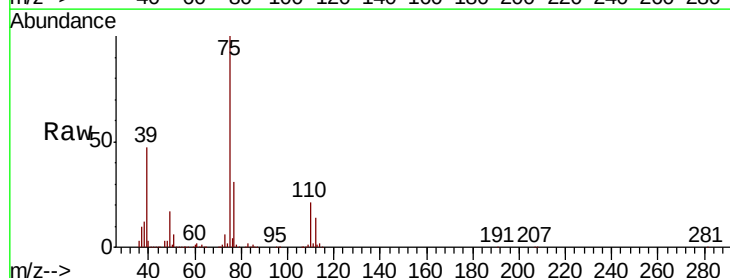
Tgt Ion: 75 Resp: 980967

Ion Ratio Lower Upper

75 100

77 30.9 24.6 37.0

39 47.3 37.4 56.2



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

9.83

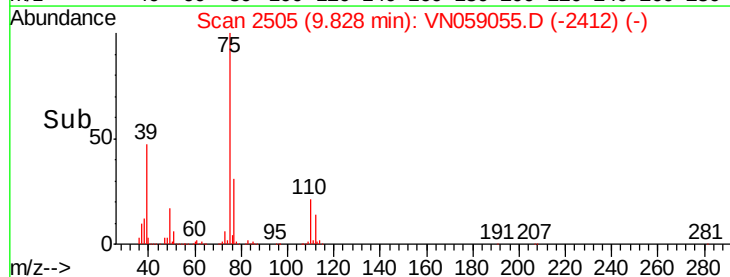
600000

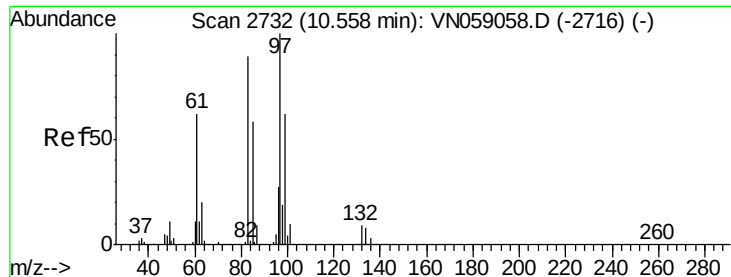
400000

200000

0

Time-->

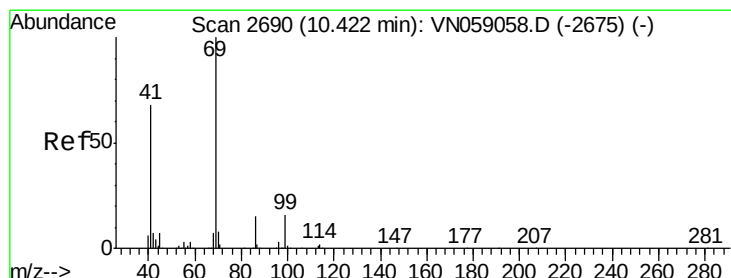
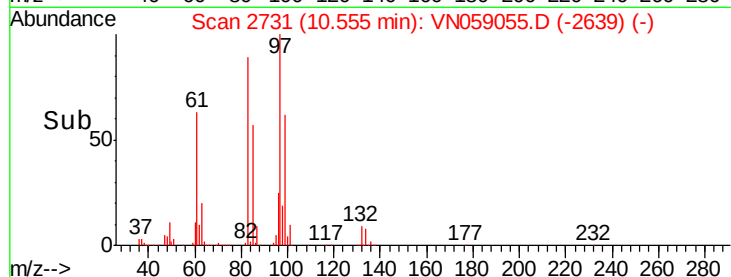
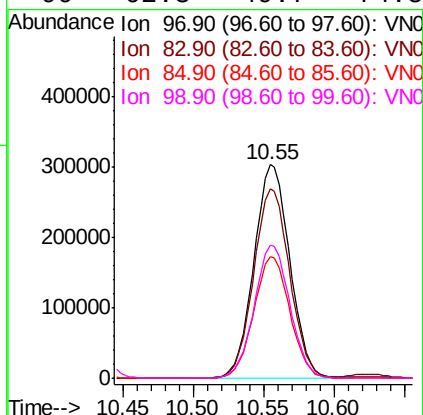
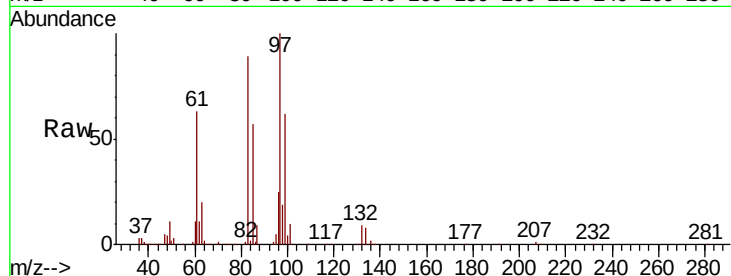




#55
 1,1,2-Trichloroethane
 Concen: 97.627 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

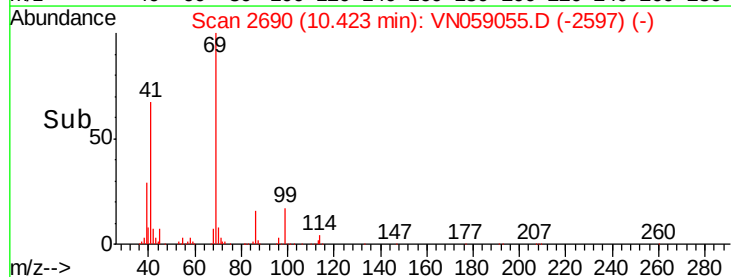
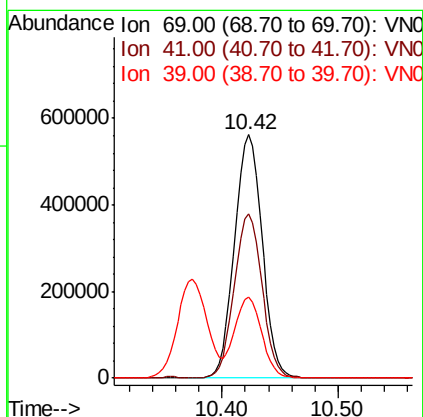
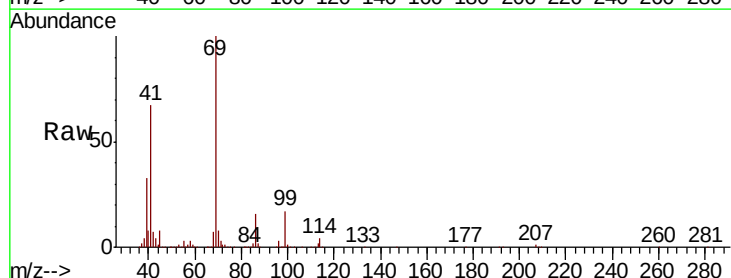
Instrument :
 MSVOA_N
 ClientSampleId :

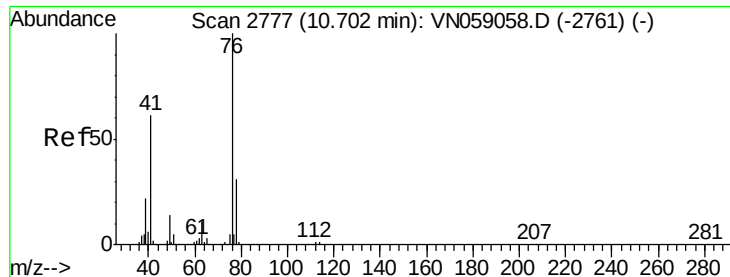
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.6	71.4	107.2	
85	57.1	46.6	70.0	
99	62.3	49.7	74.5	



#56
 Ethyl methacrylate
 Concen: 114.552 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	67.1	53.8	80.8	
39	32.5	26.2	39.2	





#57

1,3-Dichloropropane

Concen: 99.031 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

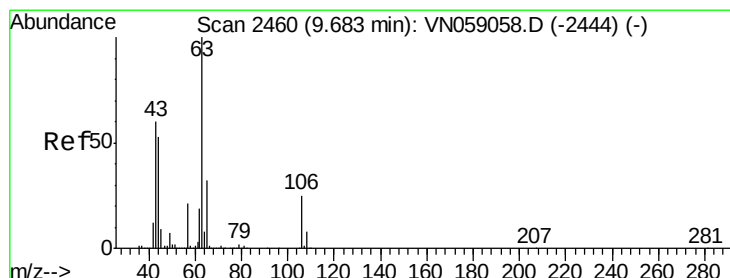
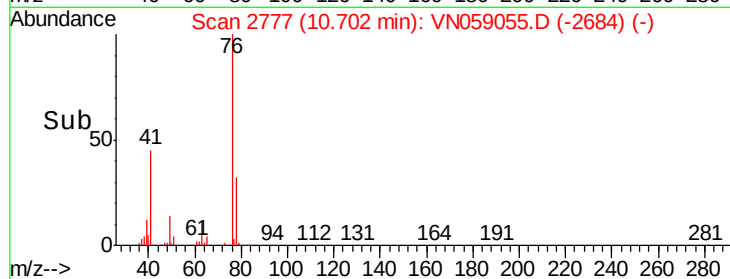
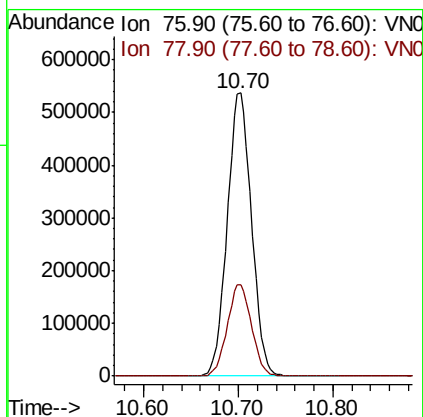
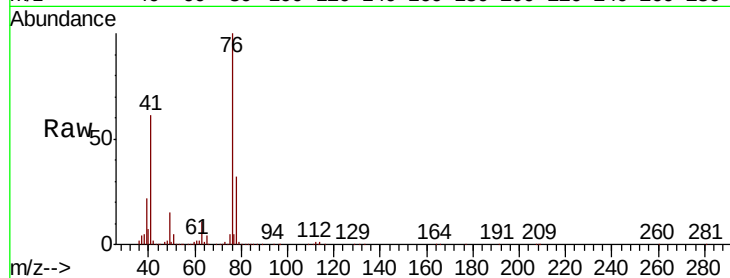
ClientSampleId :

Tot Ion: 76 Resp: 955443

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 545.705 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059055.D

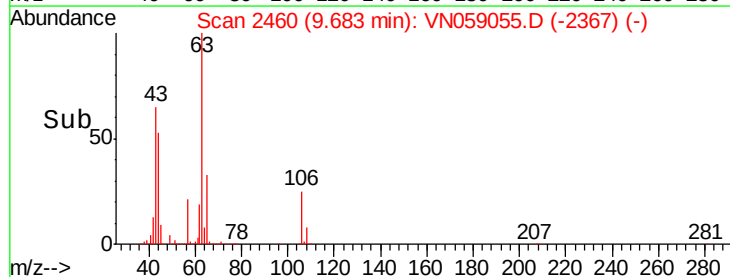
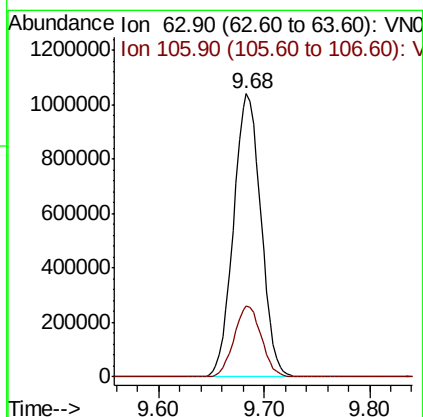
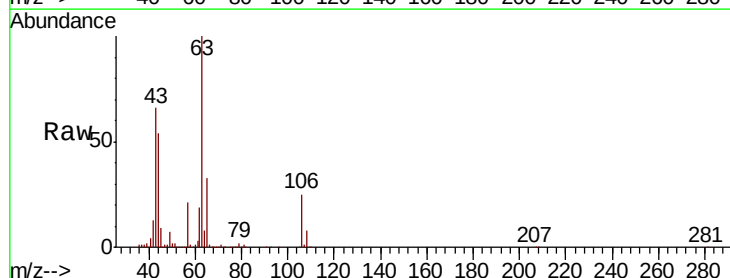
Acq: 1 Nov 2019 11:53

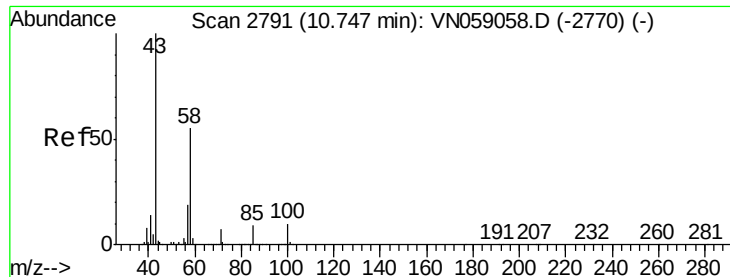
Tgt Ion: 63 Resp: 1869874

Ion Ratio Lower Upper

63 100

106 24.9 19.8 29.6

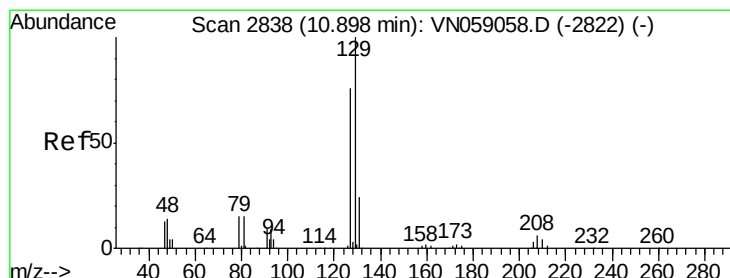
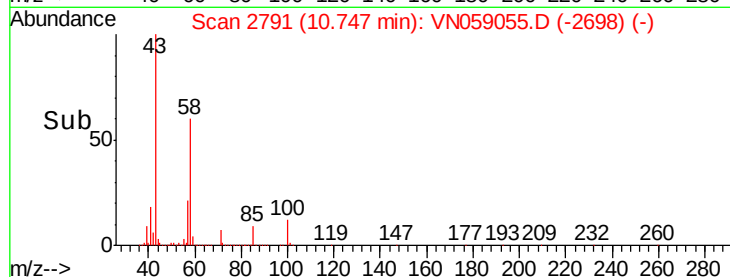
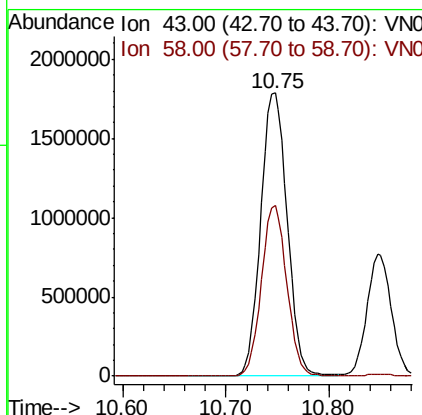
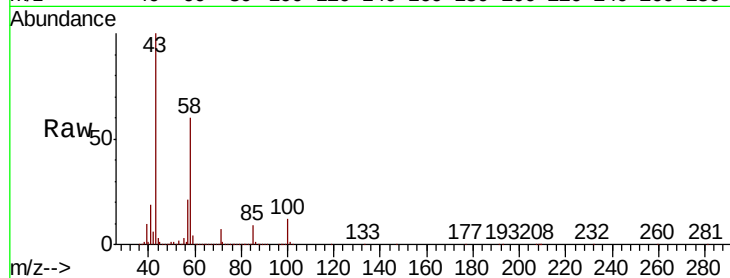




#59
2-Hexanone
Concen: 525.861 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

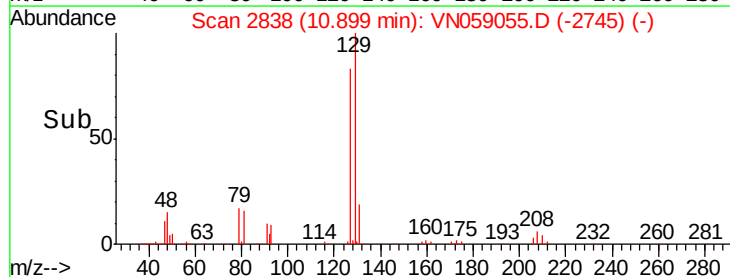
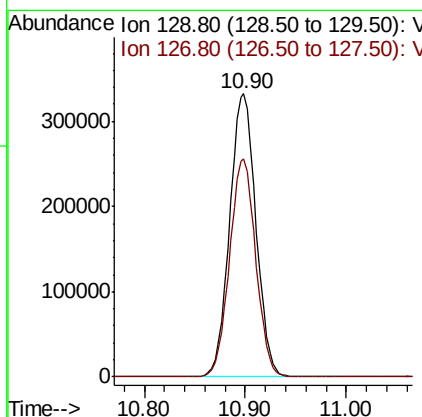
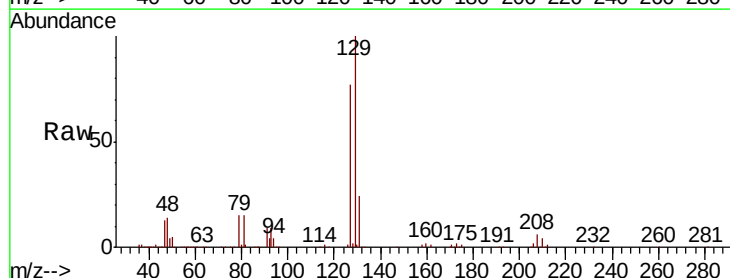
Instrument :
MSVOA_N
ClientSampled :

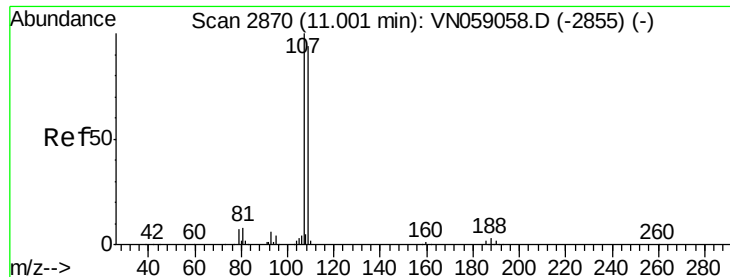
Tot Ion: 43 Resp: 3170874
Ion Ratio Lower Upper
43 100
58 57.9 27.4 82.2



#60
Dibromochloromethane
Concen: 101.556 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 129 Resp: 602545
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8

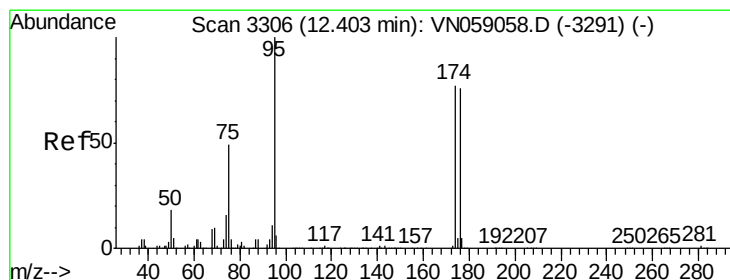
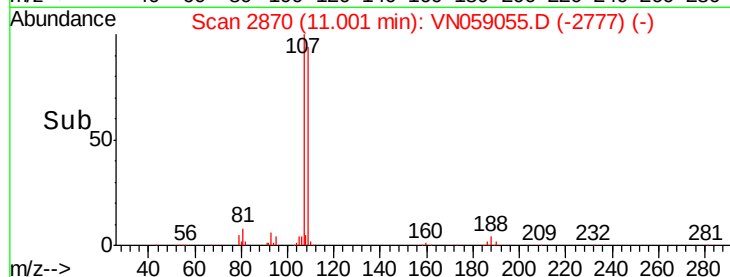
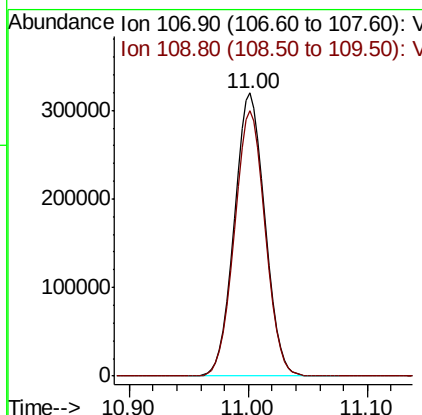
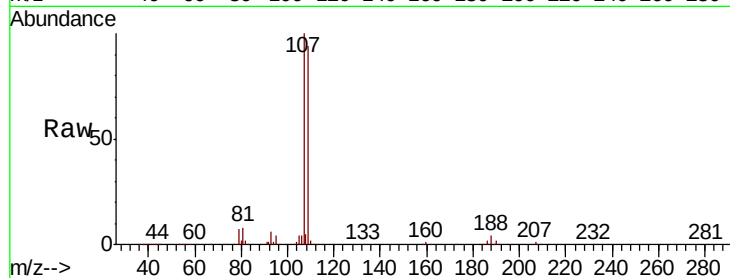




#61
 1,2-Dibromoethane
 Concen: 100.941 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

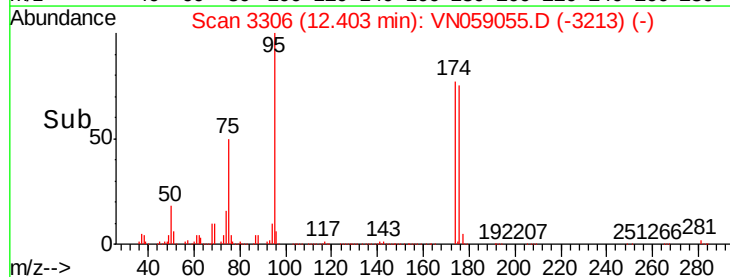
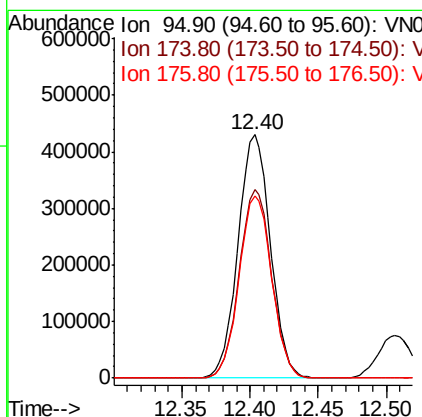
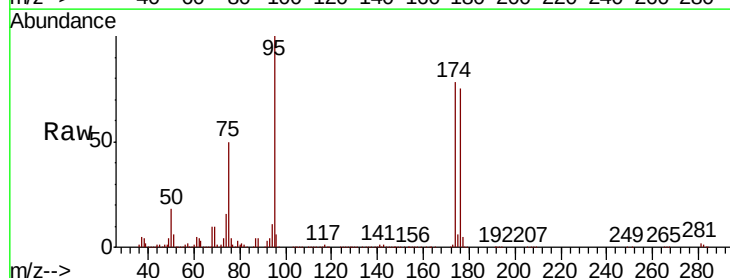
Instrument :
 MSVOA_N
 ClientSampleId :

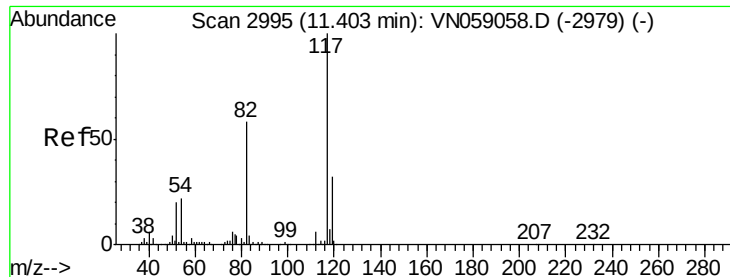
Tot Ion: 107 Resp: 568961
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 99.572 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Tgt Ion: 95 Resp: 709606
 Ion Ratio Lower Upper
 95 100
 174 77.5 0.0 155.8
 176 75.5 0.0 151.6

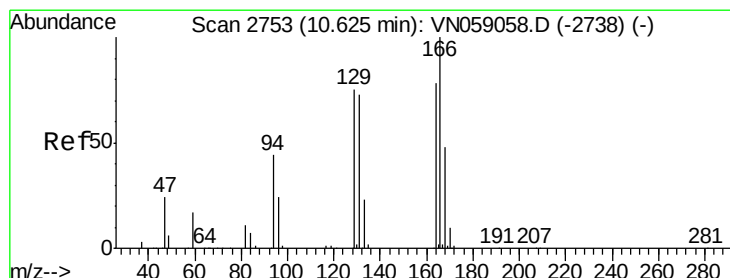
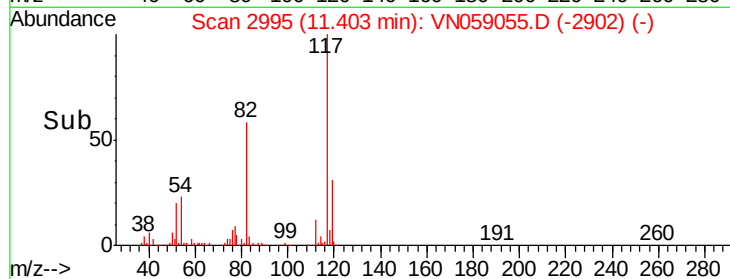
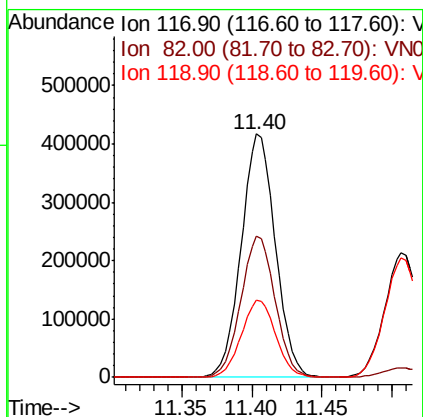
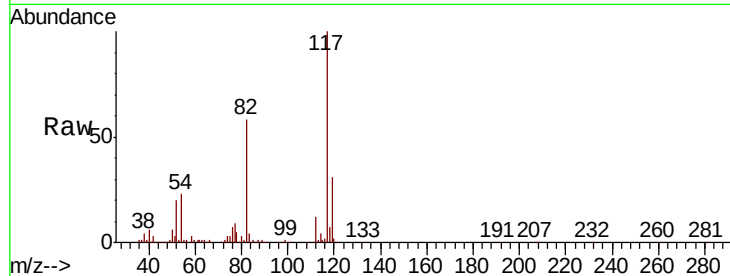




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

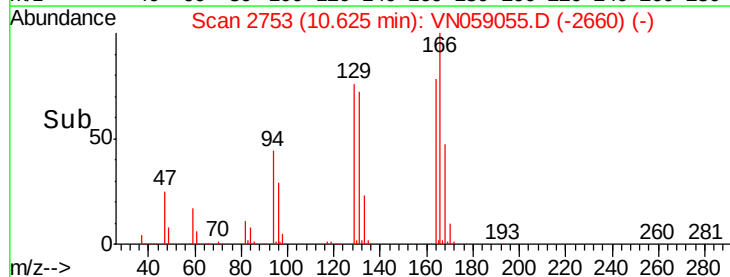
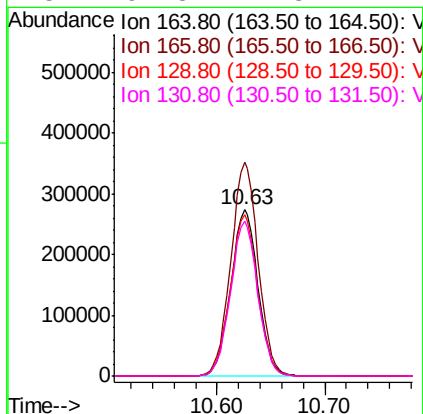
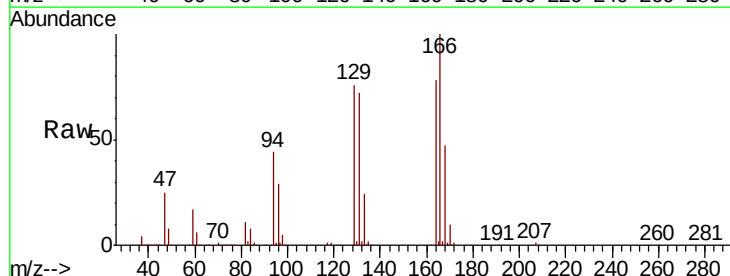
Instrument :
MSVOA_N
ClientSampled :

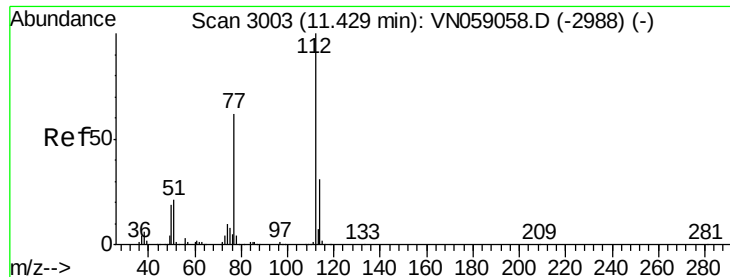
Tot Ion:117 Resp: 709382
Ion Ratio Lower Upper
117 100
82 57.9 46.0 69.0
119 31.5 25.6 38.4



#64
Tetrachloroethene
Concen: 98.106 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion:164 Resp: 481986
Ion Ratio Lower Upper
164 100
166 128.4 102.7 154.1
129 97.1 77.3 115.9
131 92.8 74.8 112.2

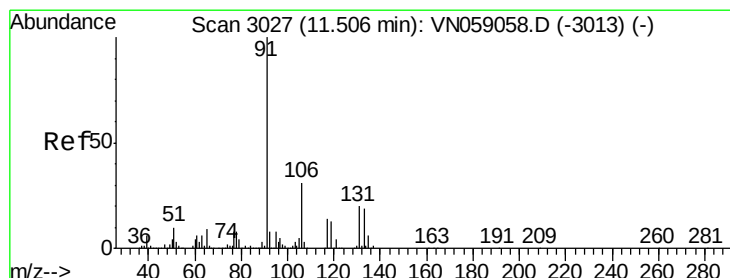
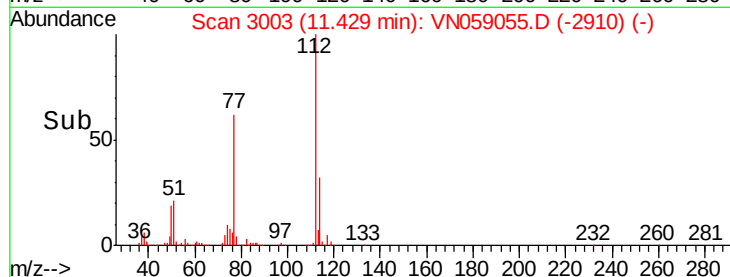
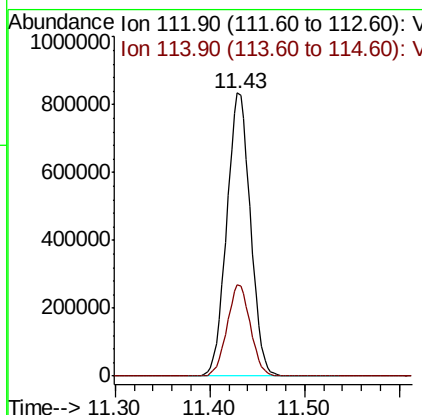
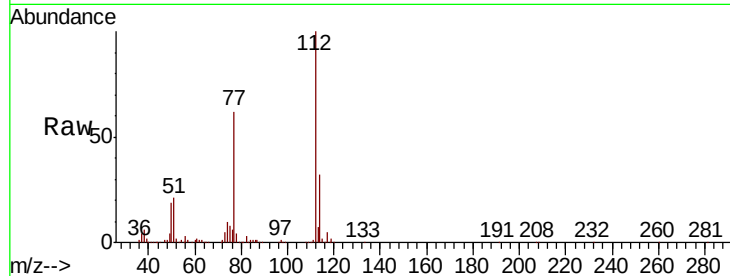




#65
Chlorobenzene
Concen: 101.181 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

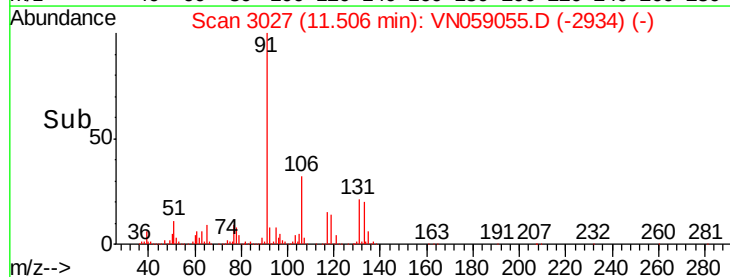
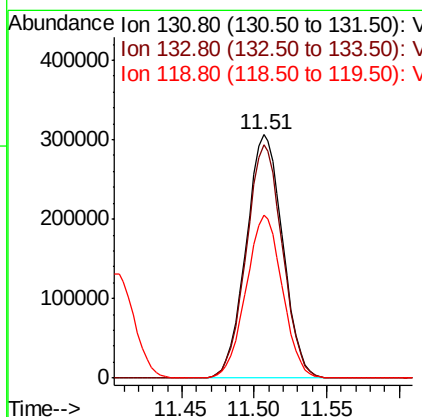
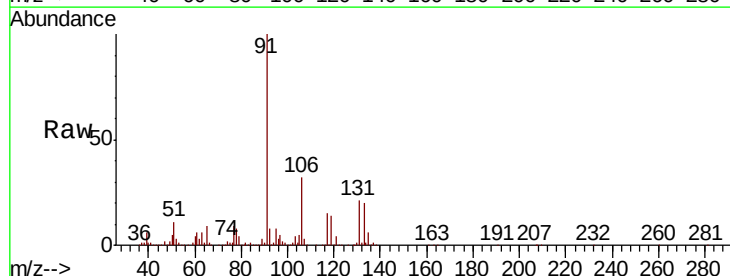
Instrument :
MSVOA_N
ClientSampled :

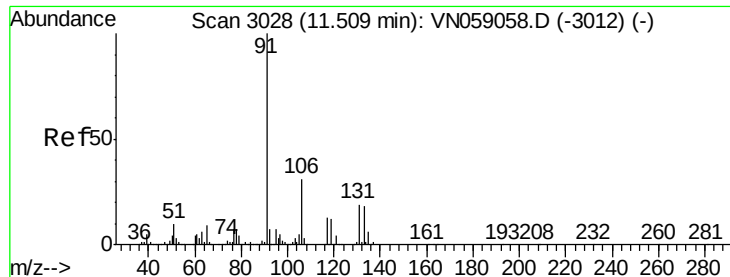
Tot Ion:112 Resp: 1446873
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 99.745 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion:131 Resp: 537276
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.6
119 66.5 33.5 100.5





#67

Ethyl Benzene

Concen: 104.110 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

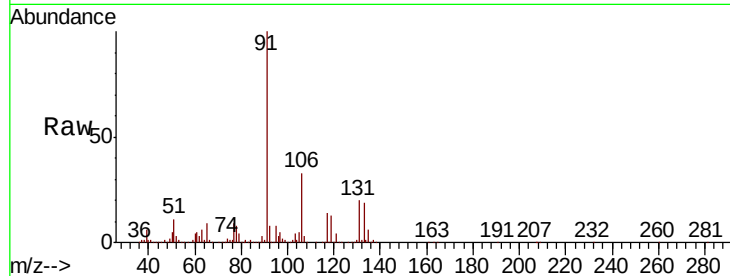
ClientSampled :

Tot Ion: 91 Resp: 2604952

Ion Ratio Lower Upper

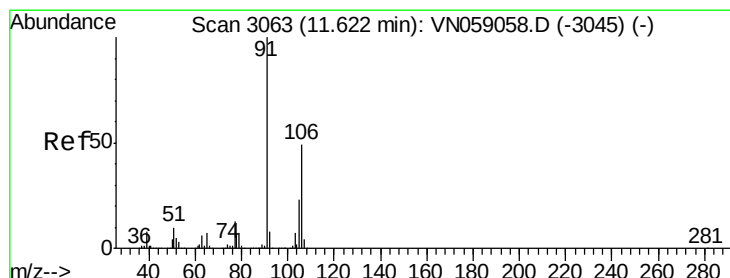
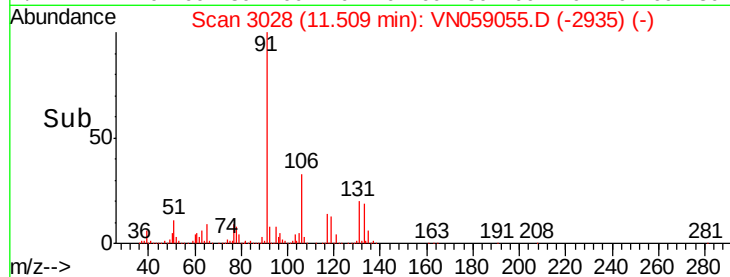
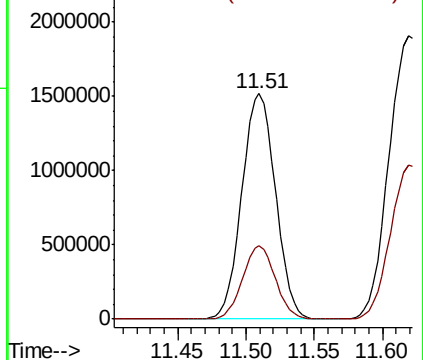
91 100

106 32.6 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 216.809 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059055.D

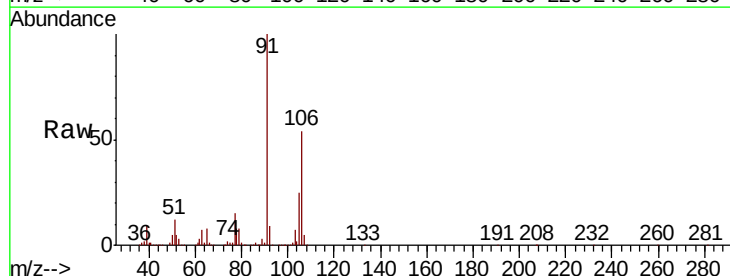
Acq: 1 Nov 2019 11:53

Tgt Ion:106 Resp: 2009015

Ion Ratio Lower Upper

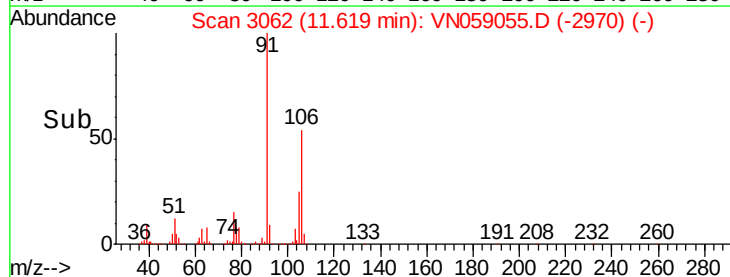
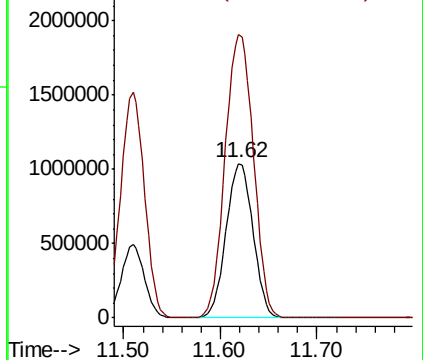
106 100

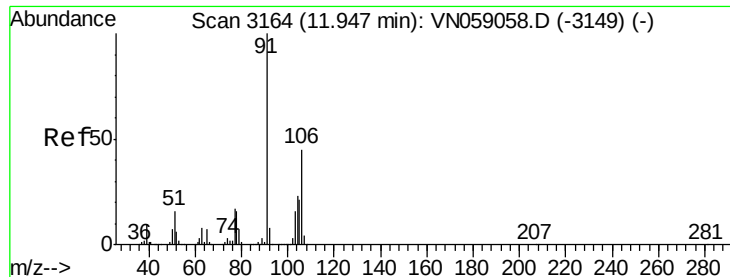
91 193.1 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

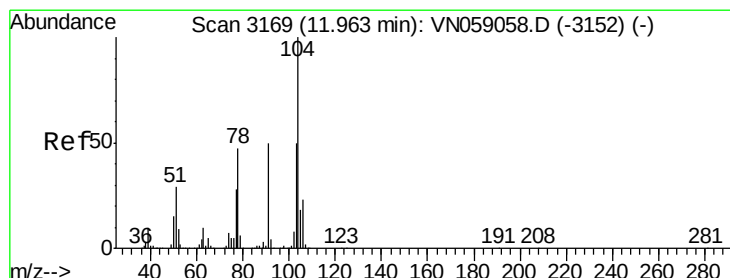
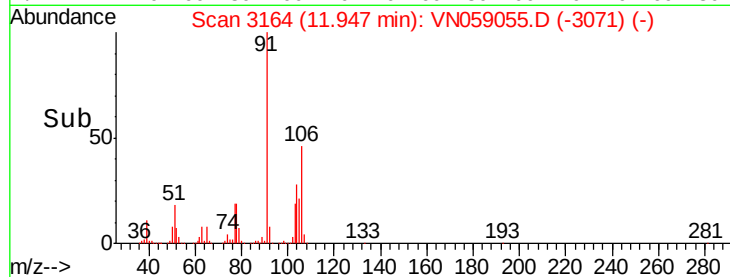
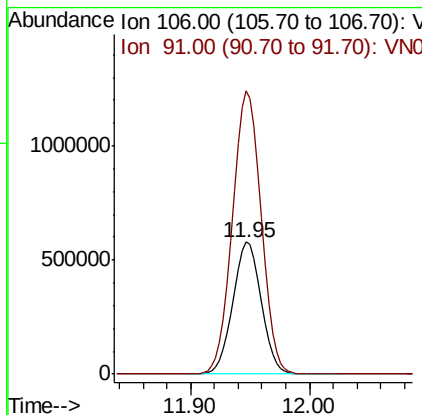
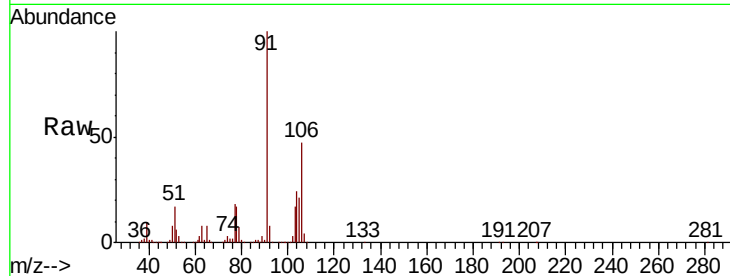




#69
o-Xylene
Concen: 108.017 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

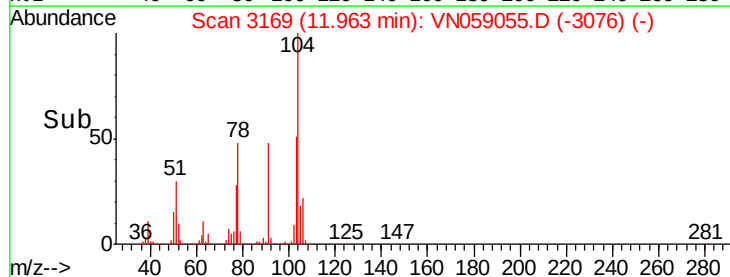
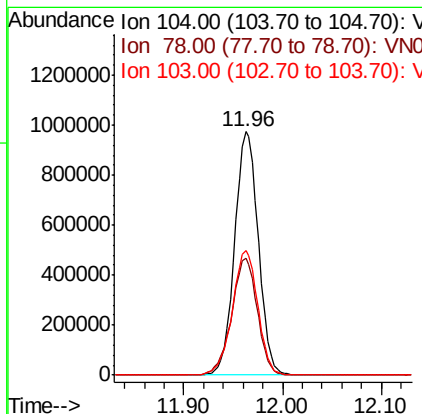
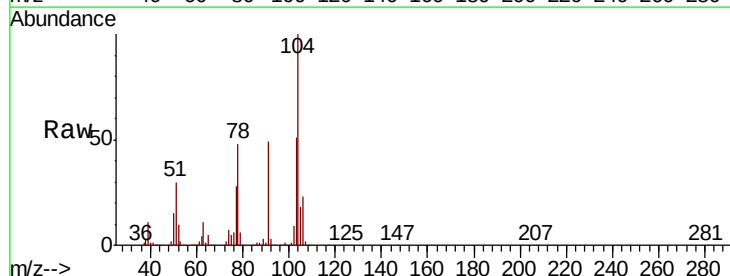
Instrument :
MSVOA_N
ClientSampled :

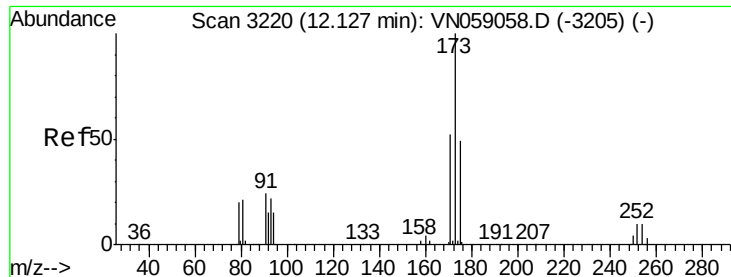
Tot Ion:106 Resp: 957183
Ion Ratio Lower Upper
106 100
91 216.4 110.4 331.2



#70
Styrene
Concen: 112.391 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion:104 Resp: 1624121
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 55.2 43.9 65.9

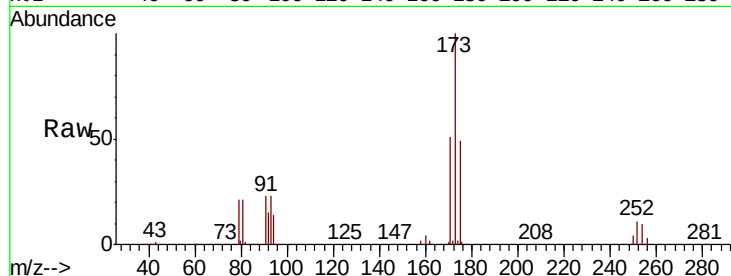




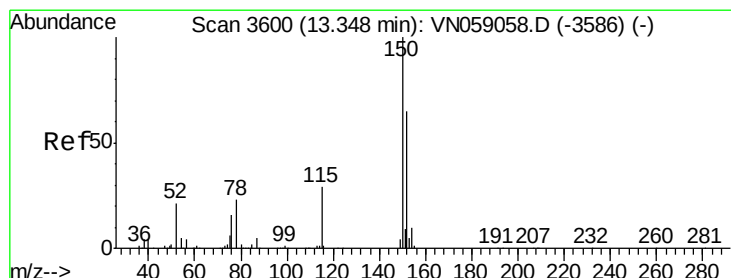
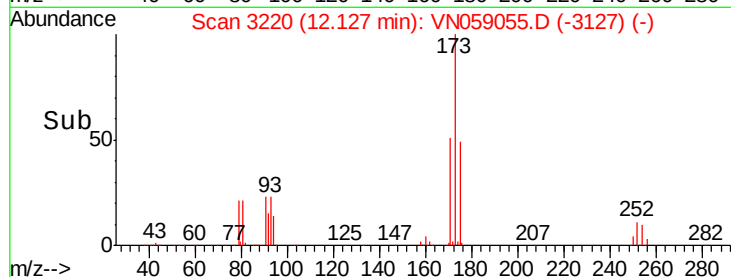
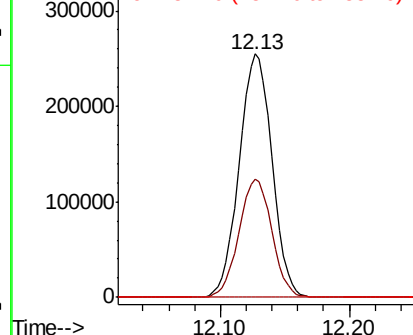
#71
Bromoform
Concen: 107.383 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 450695
Ion Ratio Lower Upper
173 100
175 48.6 24.4 73.2
254 0.1 0.1 0.1#

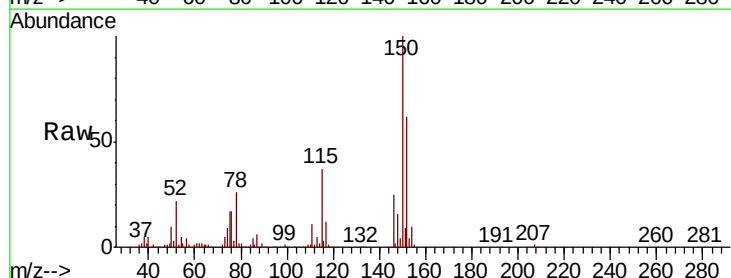


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

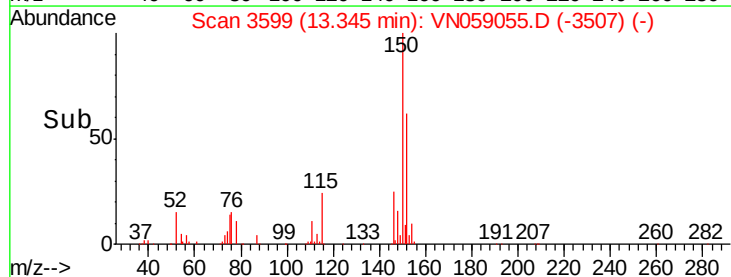
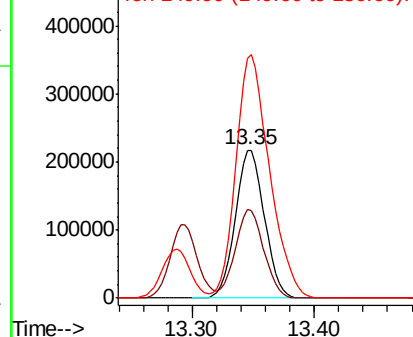


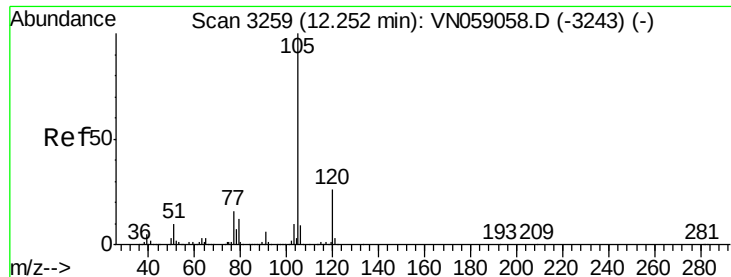
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion:152 Resp: 358185
Ion Ratio Lower Upper
152 100
115 59.0 29.6 88.9
150 190.2 0.0 345.8



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





#73

Isopropylbenzene

Concen: 97.459 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

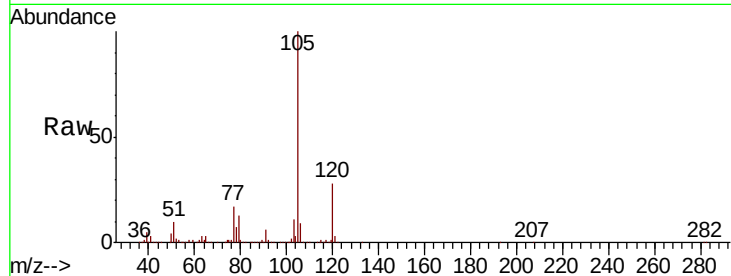
ClientSampleId :

Tot Ion:105 Resp: 2529479

Ion Ratio Lower Upper

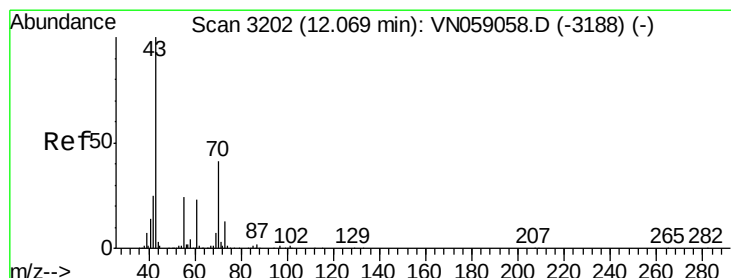
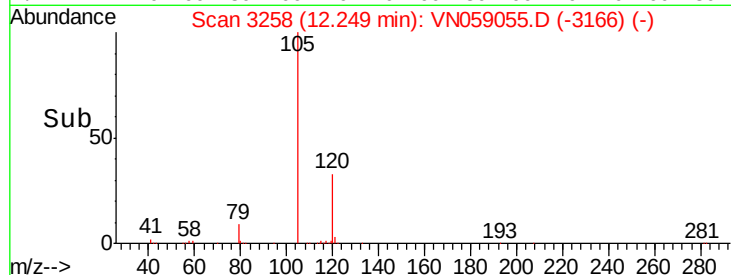
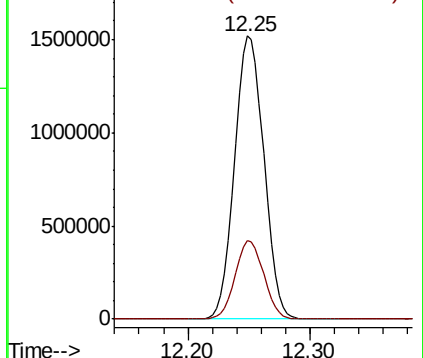
105 100

120 27.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 106.299 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Tgt Ion: 43 Resp: 1242812

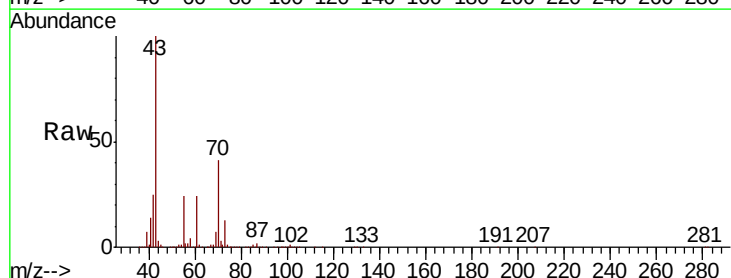
Ion Ratio Lower Upper

43 100

70 40.6 32.6 49.0

55 24.3 19.7 29.5

61 24.3 19.0 28.6

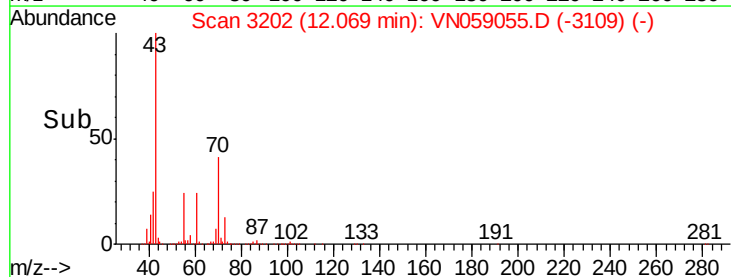
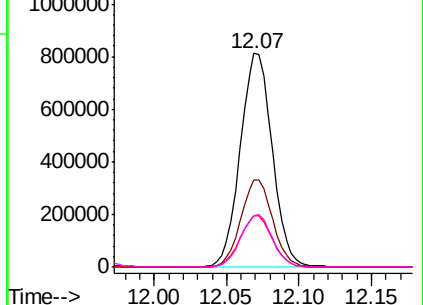


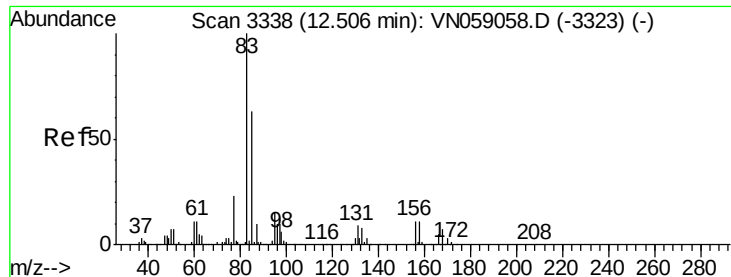
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 94.356 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

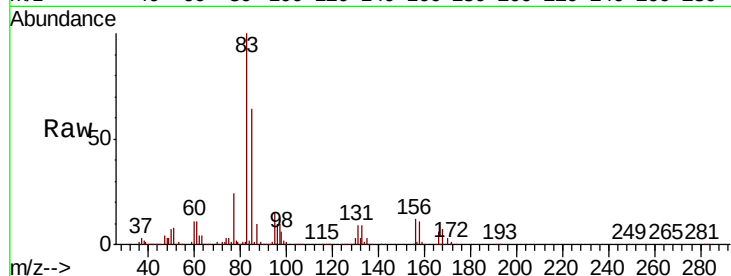
Tot Ion: 83 Resp: 860894

Ion Ratio Lower Upper

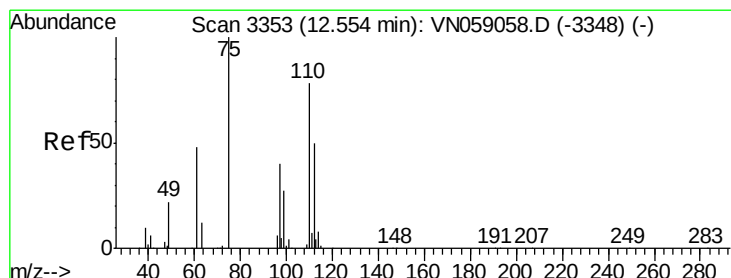
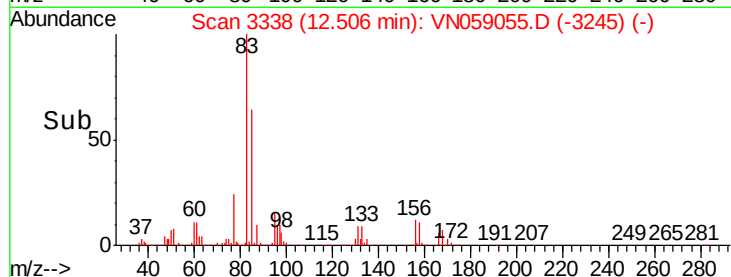
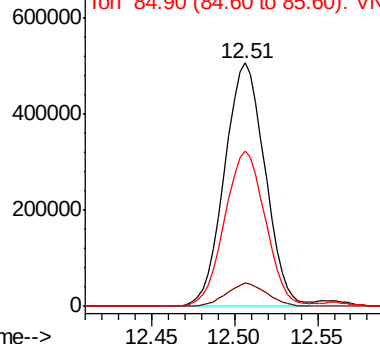
83 100

131 9.7 4.9 14.7

85 64.2 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN059055.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 141.316 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059055.D

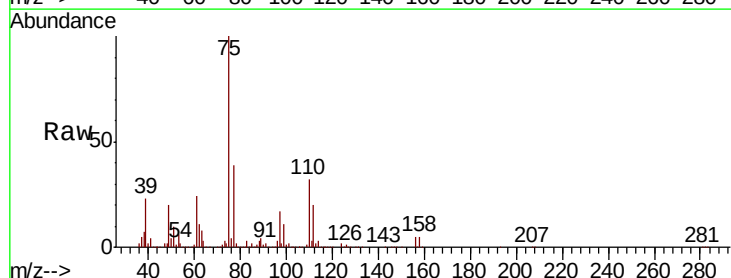
Acq: 1 Nov 2019 11:53

Tgt Ion: 75 Resp: 1174020

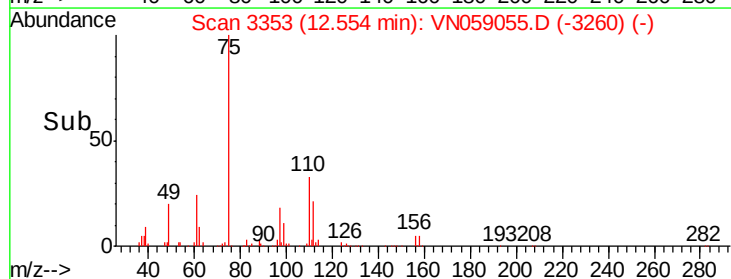
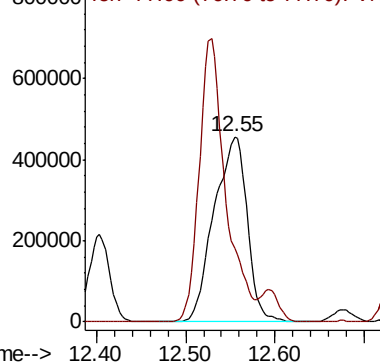
Ion Ratio Lower Upper

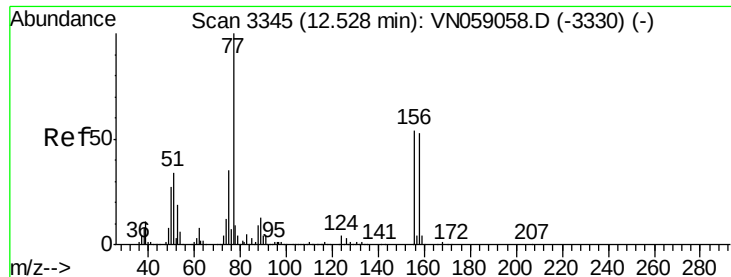
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059055.D (-3260) (-)





#77

Bromobenzene

Concen: 97.608 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

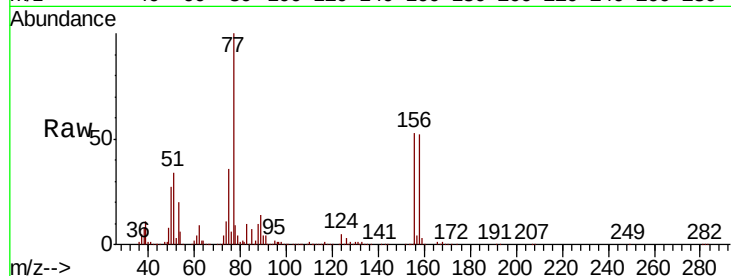
Tot Ion:156 Resp: 625355

Ion Ratio Lower Upper

156 100

77 228.6 114.2 342.6

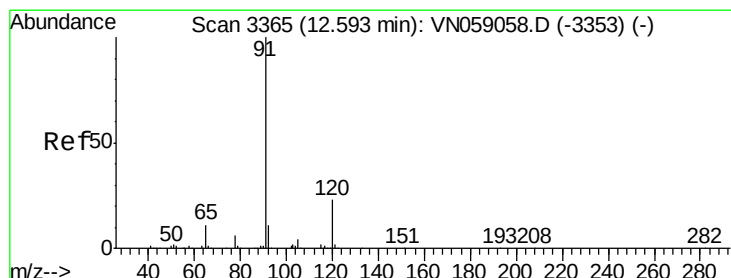
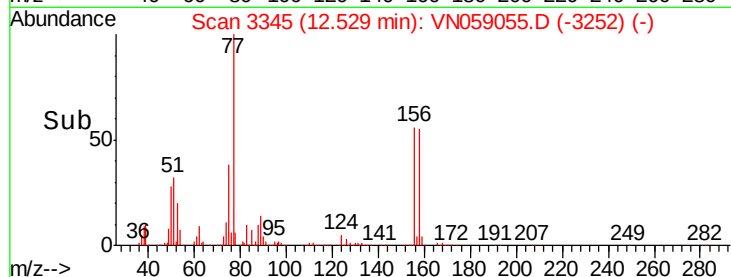
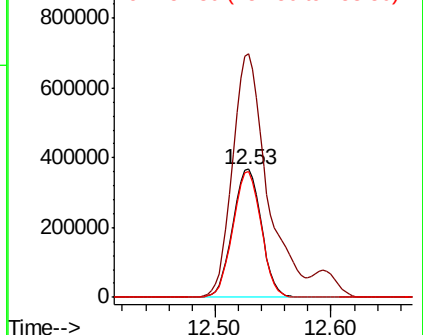
158 97.2 49.6 149.0



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: 96.656 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059055.D

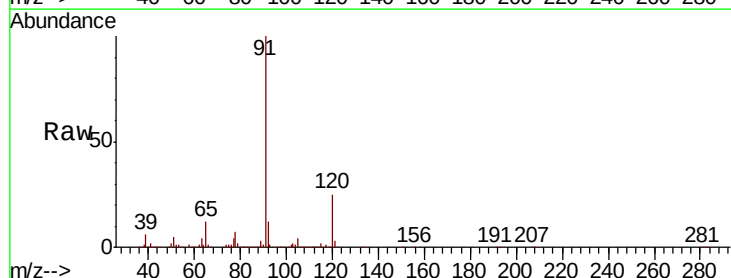
Acq: 1 Nov 2019 11:53

Tgt Ion: 91 Resp: 2961793

Ion Ratio Lower Upper

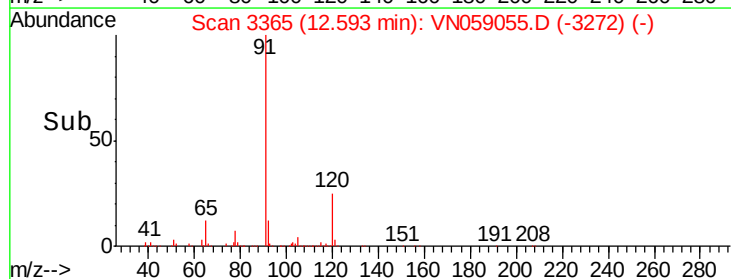
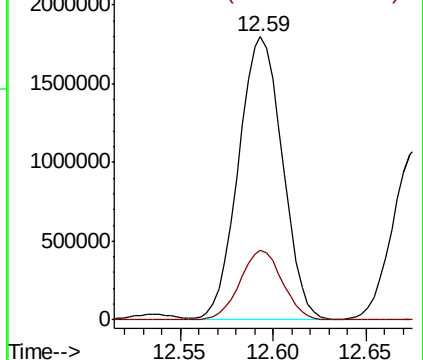
91 100

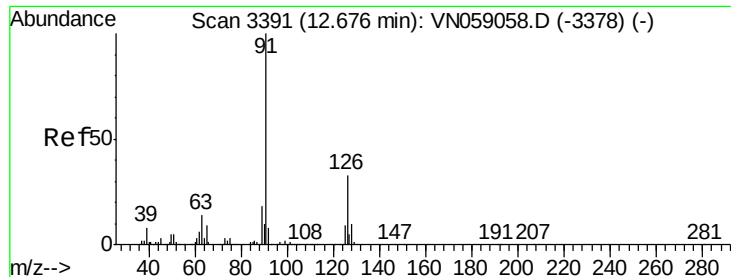
120 23.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 96.791 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

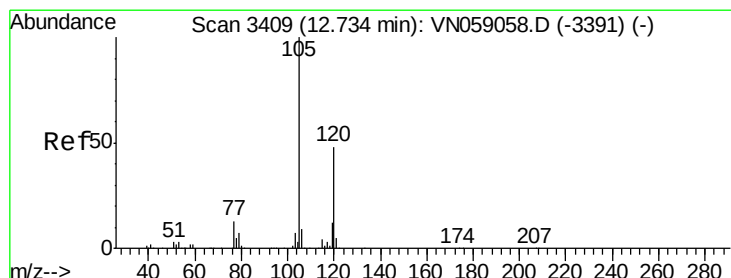
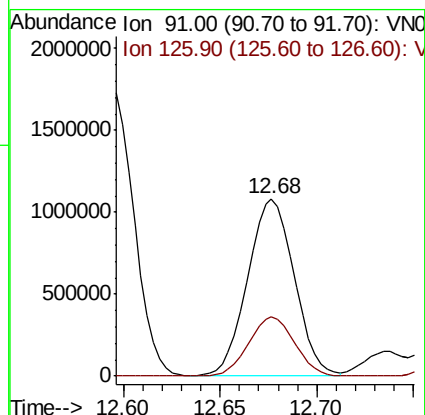
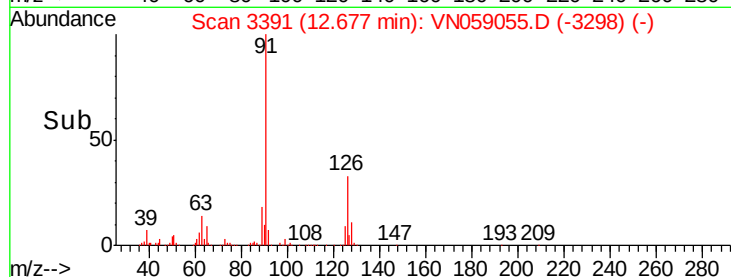
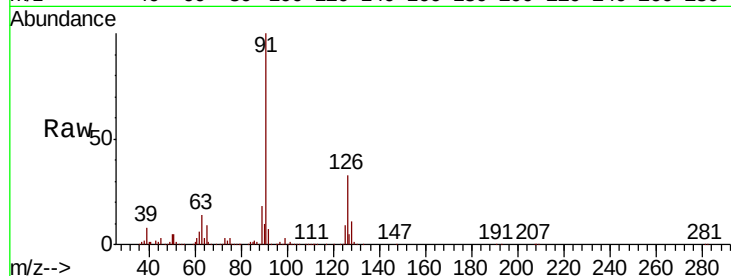
ClientSampleId :

Tot Ion: 91 Resp: 1817935

Ion Ratio Lower Upper

91 100

126 33.1 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 101.474 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059055.D

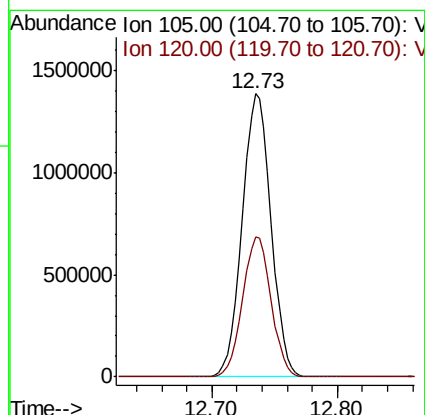
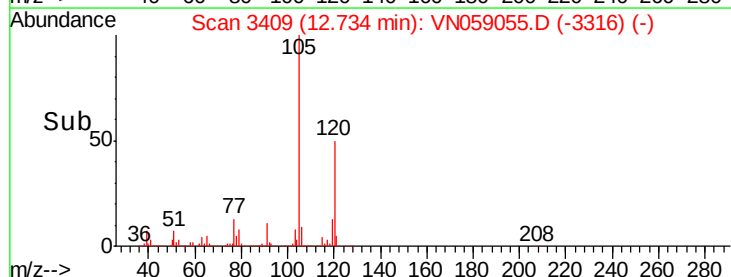
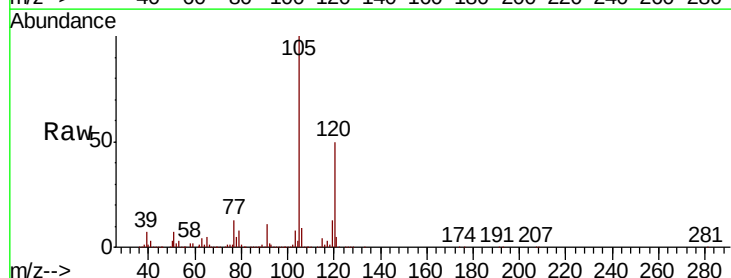
Acq: 1 Nov 2019 11:53

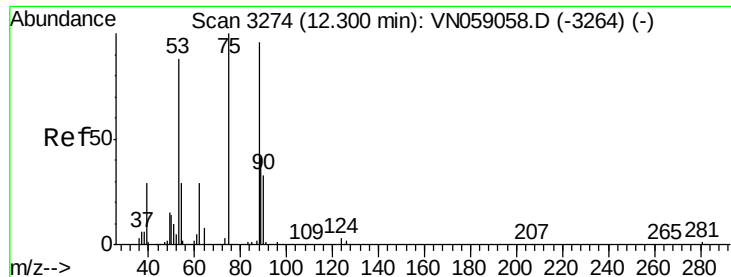
Tgt Ion: 105 Resp: 2205329

Ion Ratio Lower Upper

105 100

120 49.1 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 103.417 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

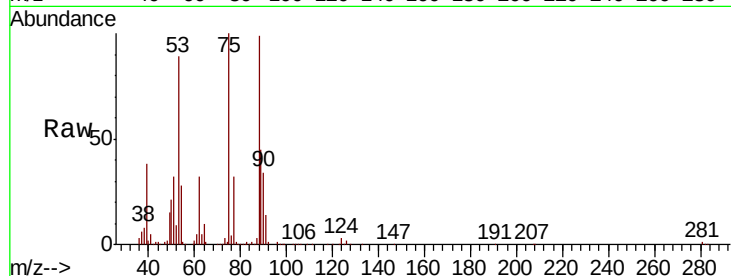
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 329145

Ion	Ratio	Lower	Upper
75	100		
53	89.7	70.4	105.6
89	44.7	34.2	51.2

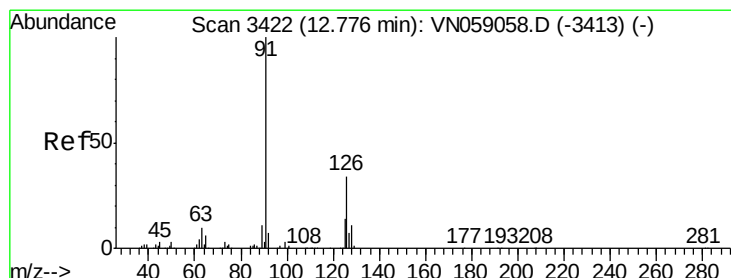
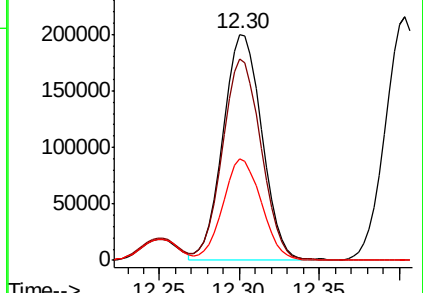
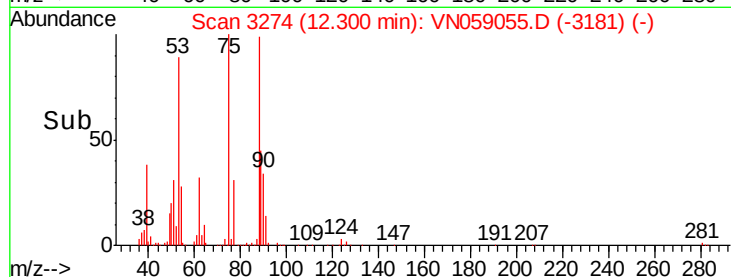


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 98.799 ug/l

RT: 12.78 min Scan# 3422

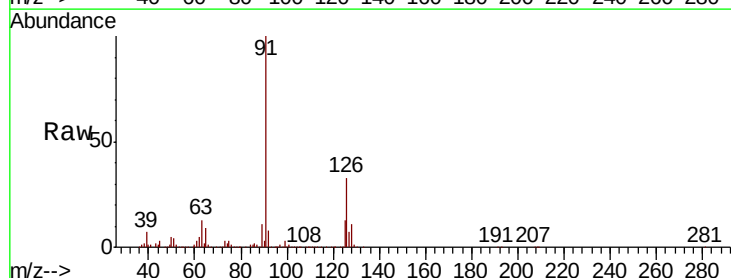
Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Tgt Ion: 91 Resp: 1890853

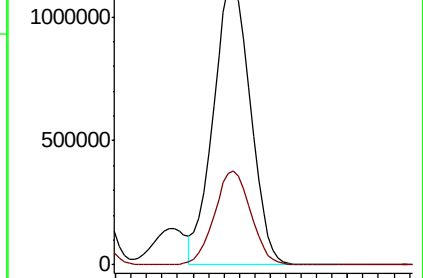
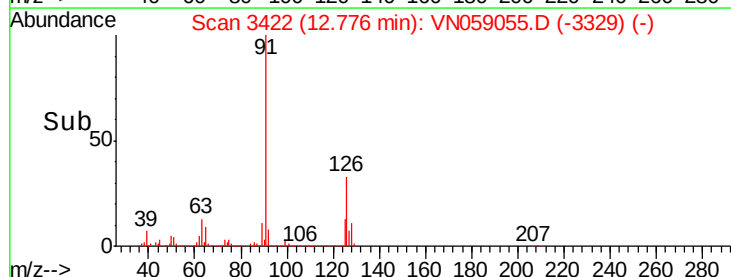
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.0	47.9

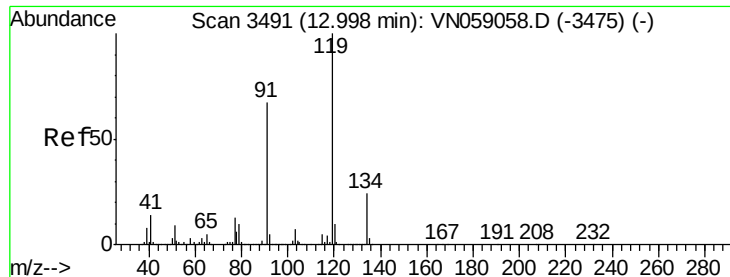


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 101.733 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

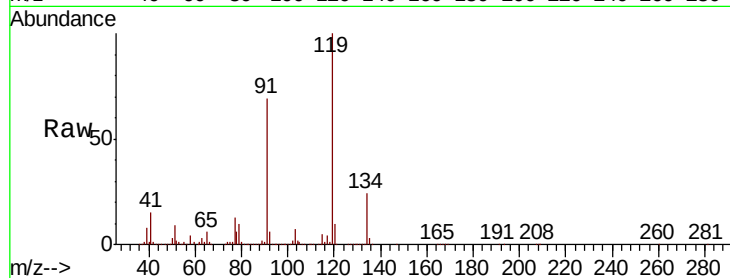
Tot Ion:119 Resp: 1893470

Ion Ratio Lower Upper

119 100

91 66.0 33.7 101.0

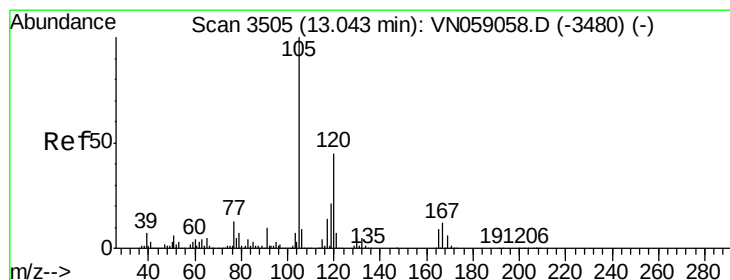
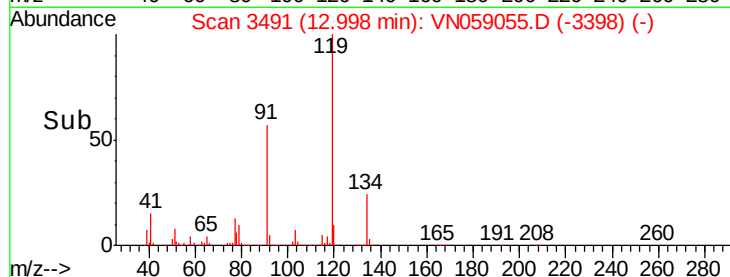
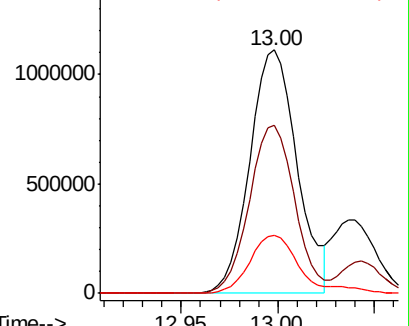
134 25.4 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 102.816 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059055.D

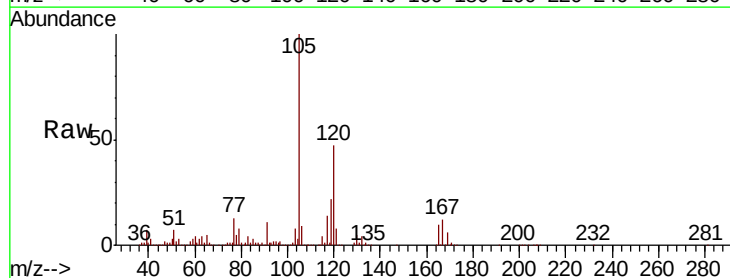
Acq: 1 Nov 2019 11:53

Tgt Ion:105 Resp: 2202544

Ion Ratio Lower Upper

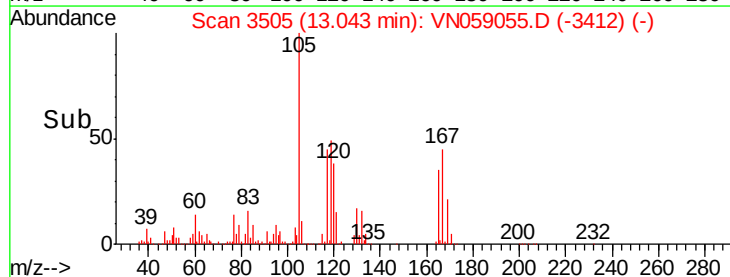
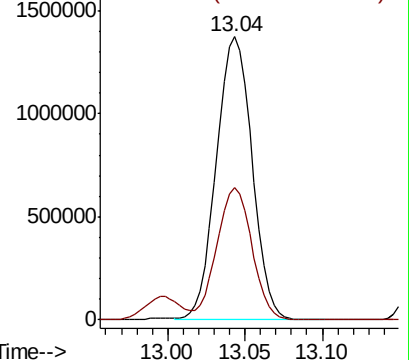
105 100

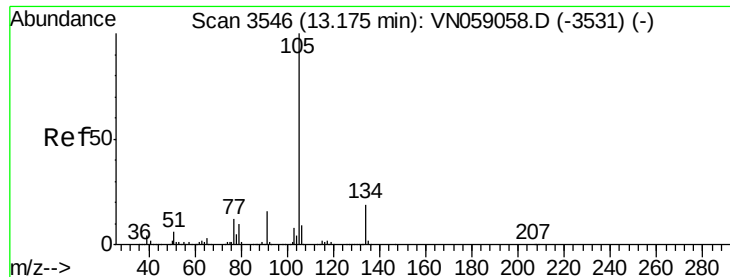
120 45.9 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 101.095 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

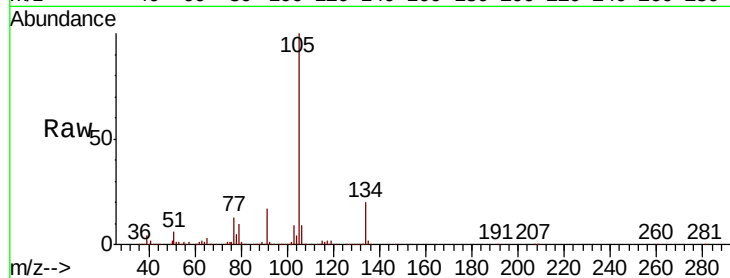
ClientSampled :

Tot Ion:105 Resp: 2502974

Ion Ratio Lower Upper

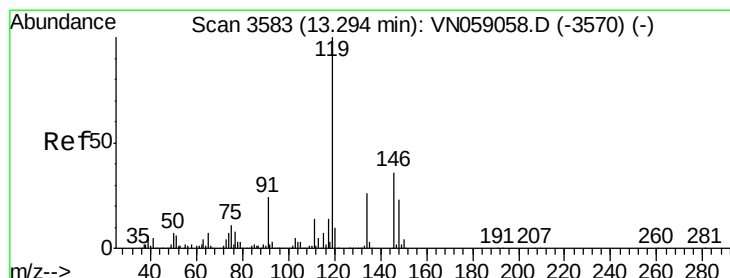
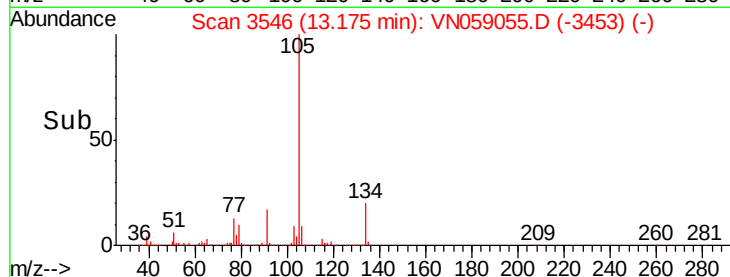
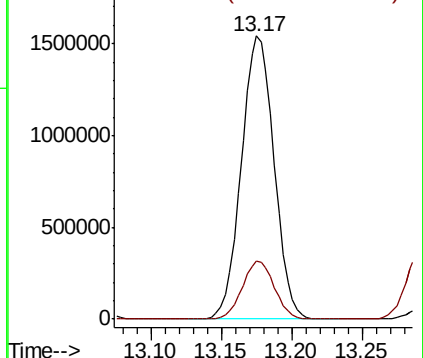
105 100

134 20.1 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 105.308 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

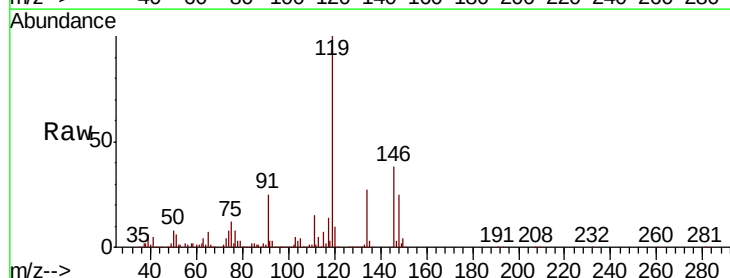
Tgt Ion:119 Resp: 2304101

Ion Ratio Lower Upper

119 100

134 26.8 13.0 39.0

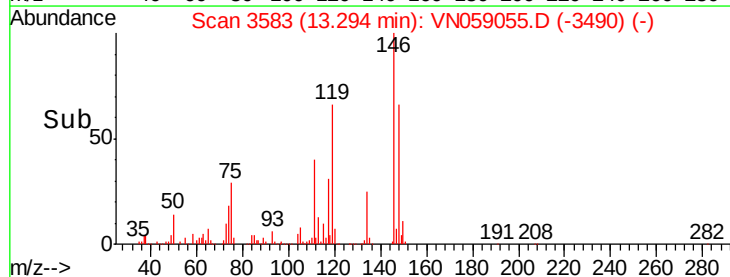
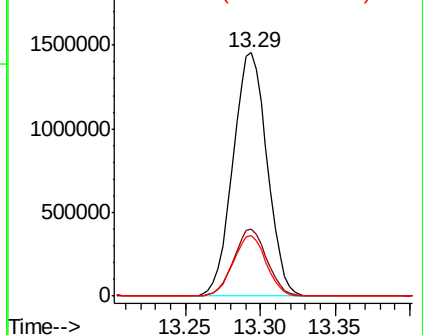
91 24.2 12.0 36.0

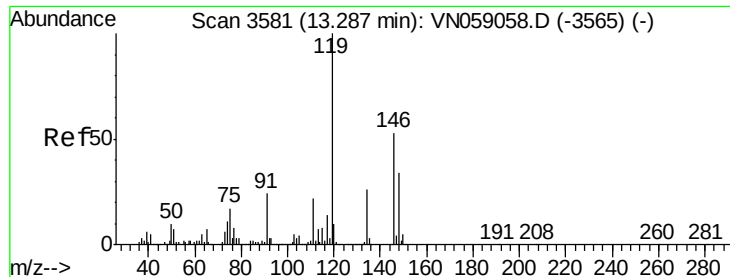


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 99.900 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

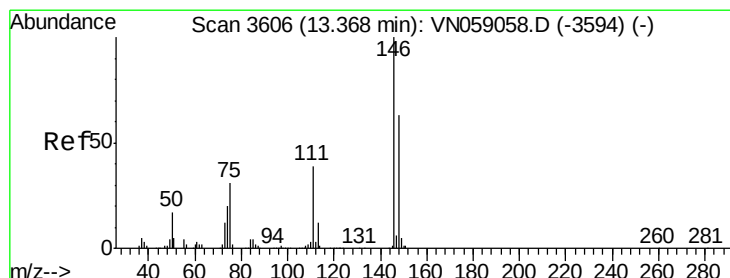
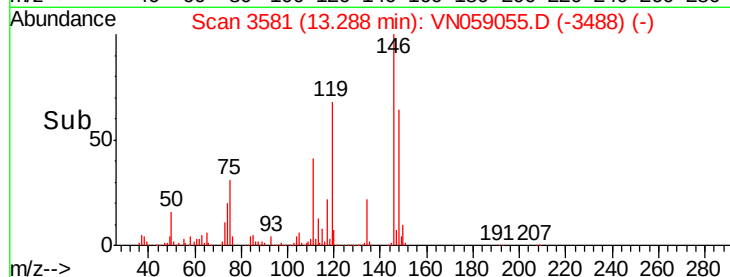
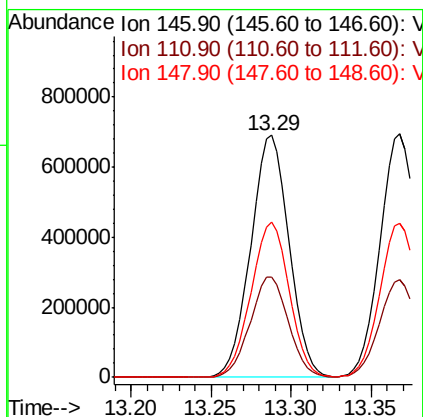
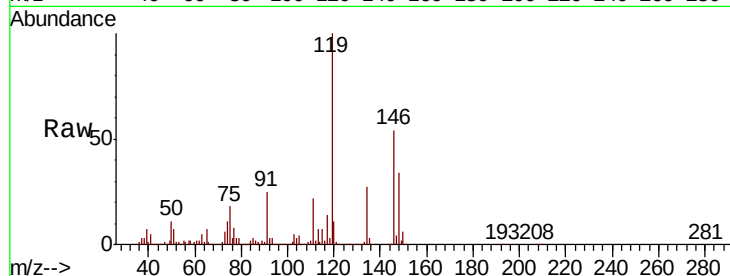
Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:146 Resp: 1141234

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.5
148	64.0	31.8	95.3



#88

1,4-Dichlorobenzene

Concen: 99.871 ug/l

RT: 13.37 min Scan# 3606

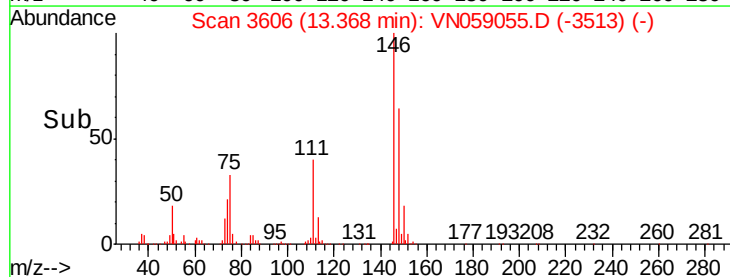
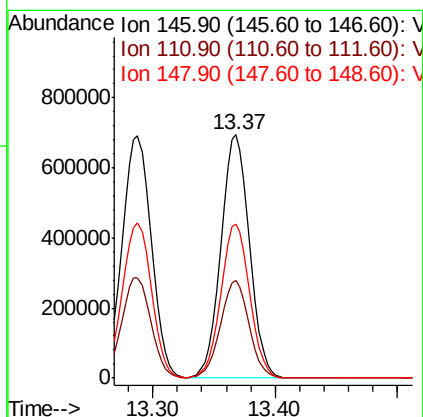
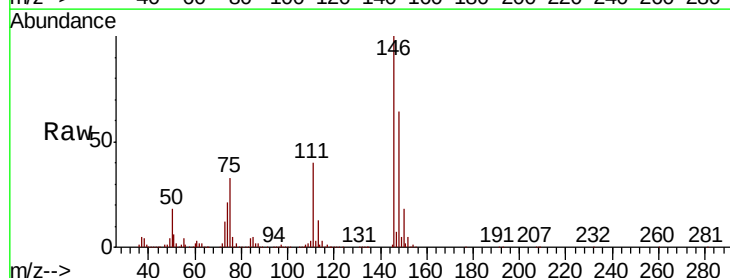
Delta R.T. 0.00 min

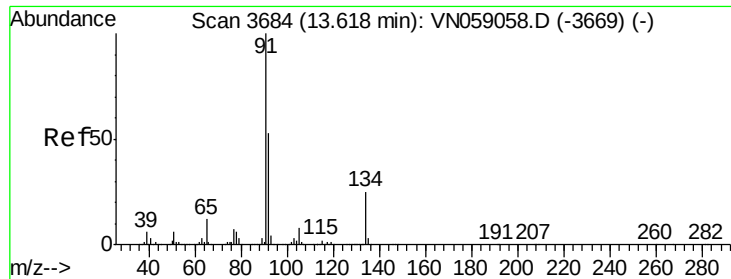
Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Tgt Ion:146 Resp: 1141495

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	63.8	31.9	95.7

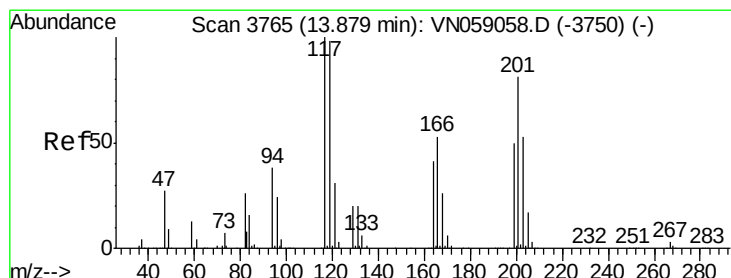
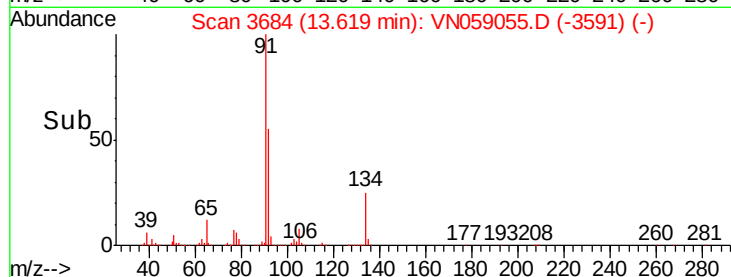
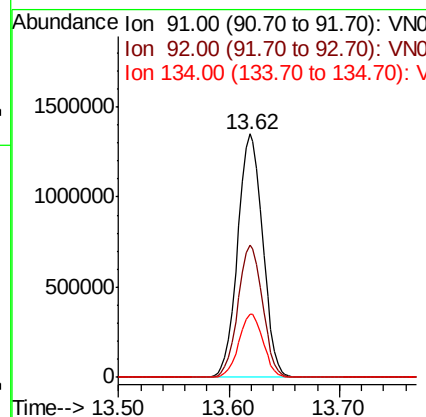
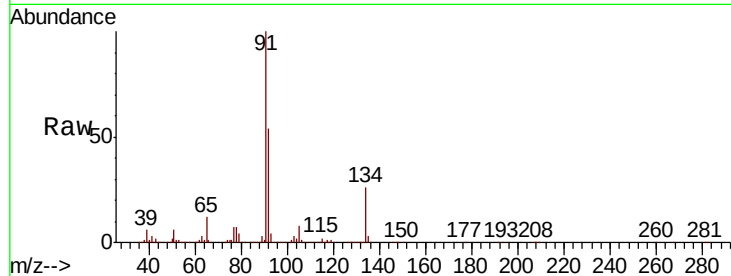




#89
n-Butylbenzene
Concen: 106.181 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

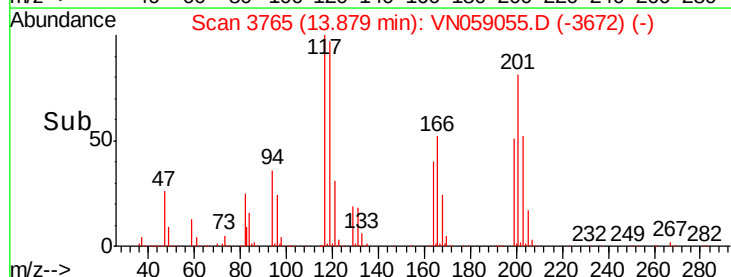
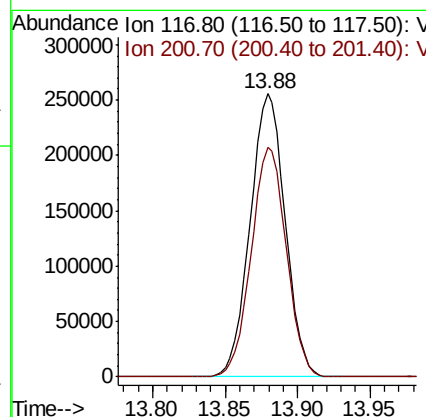
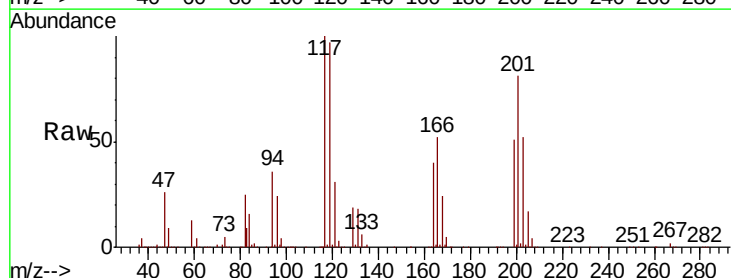
Instrument :
MSVOA_N
ClientSampleId :

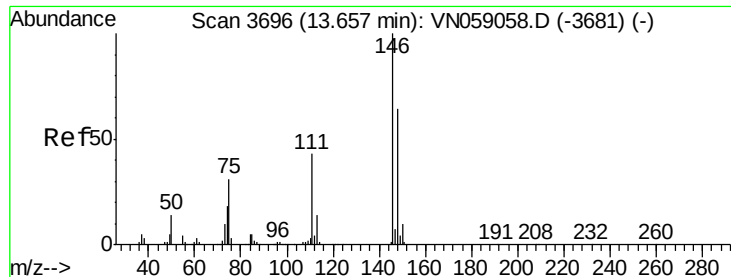
Tot Ion: 91 Resp: 2121209
Ion Ratio Lower Upper
91 100
92 53.5 26.4 79.0
134 25.5 12.5 37.5



#90
Hexachloroethane
Concen: 96.881 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059055.D
Acq: 1 Nov 2019 11:53

Tgt Ion: 117 Resp: 430242
Ion Ratio Lower Upper
117 100
201 81.1 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 99.272 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

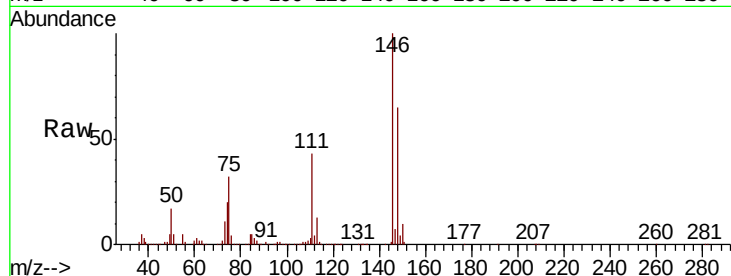
Tot Ion:146 Resp: 1112558

Ion Ratio Lower Upper

146 100

111 42.6 21.2 63.6

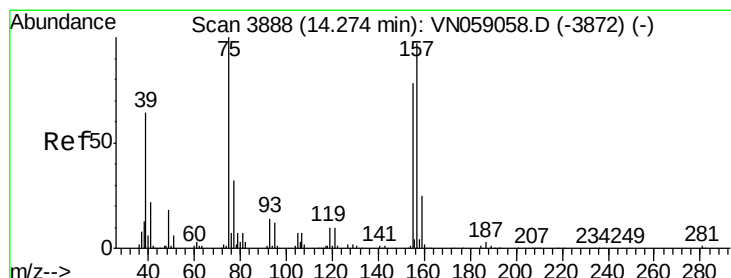
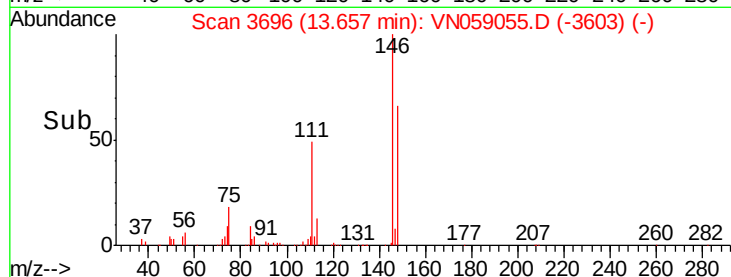
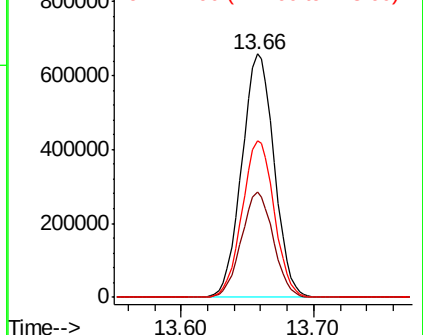
148 64.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 92.383 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

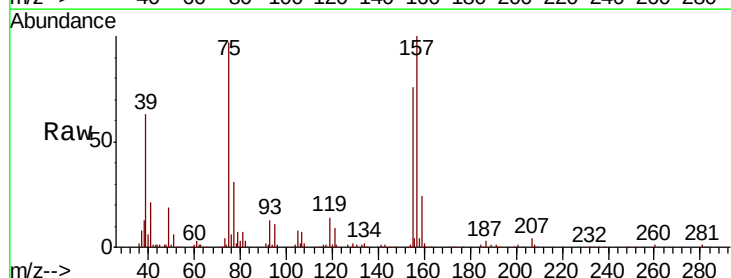
Tgt Ion: 75 Resp: 188461

Ion Ratio Lower Upper

75 100

155 79.1 39.7 119.1

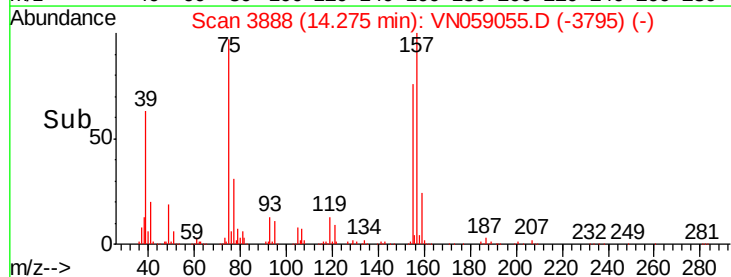
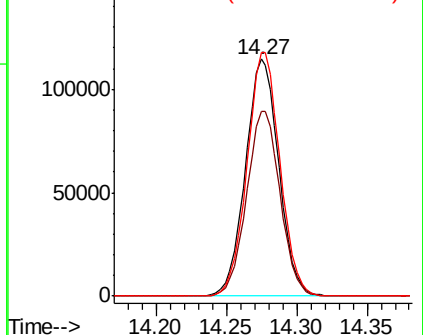
157 102.1 51.0 153.0

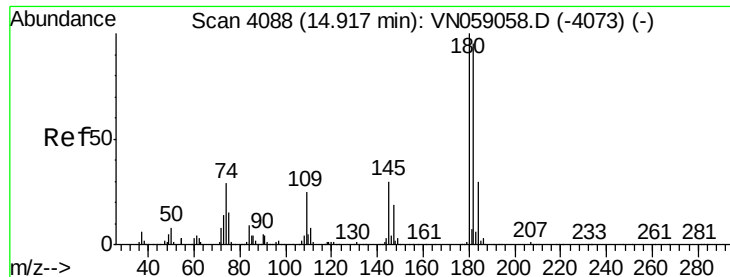


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

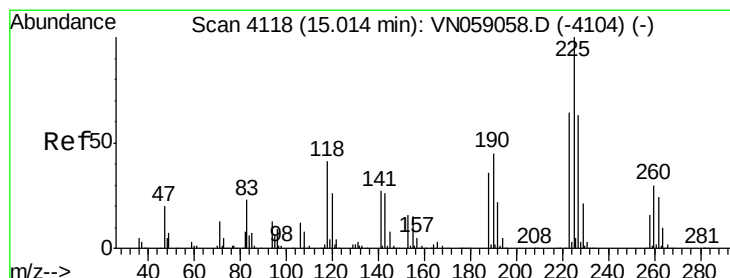
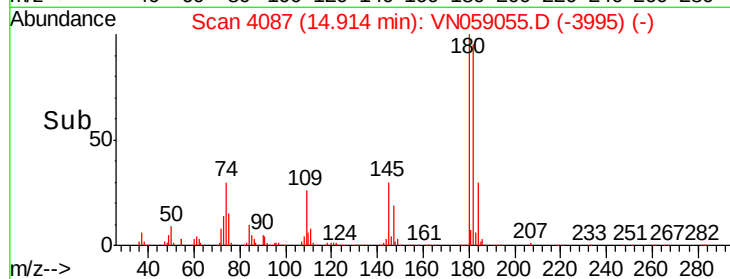
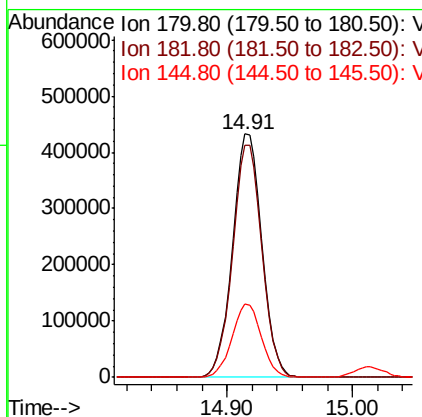
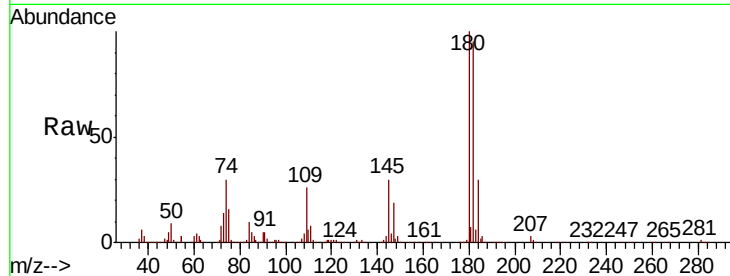




#93
 1,2,4-Trichlorobenzene
 Concen: 113.895 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

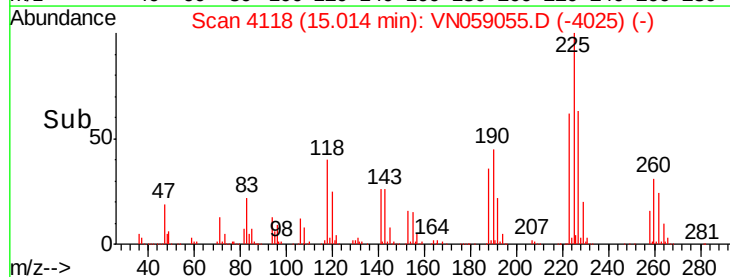
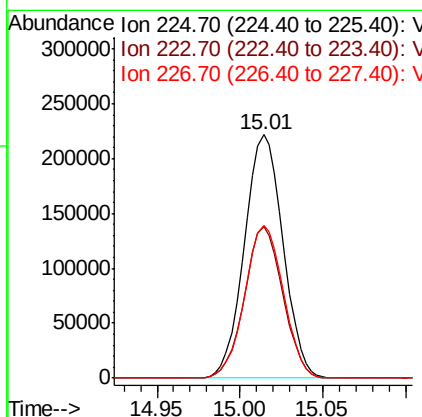
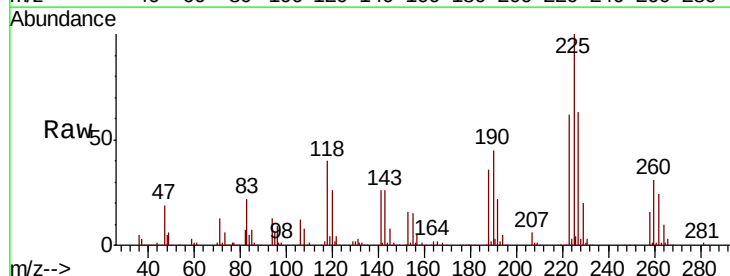
Instrument :
 MSVOA_N
 ClientSampled :

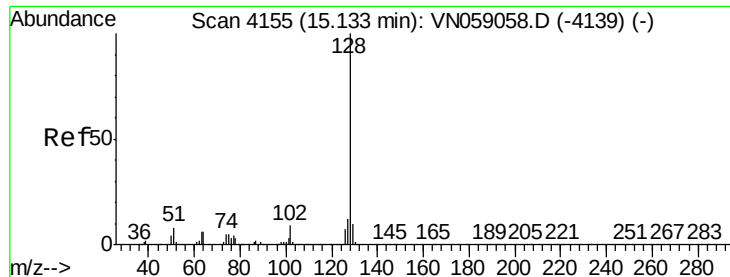
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.8	143.4
145	30.1	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 98.187 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059055.D
 Acq: 1 Nov 2019 11:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.6	95.0
227	62.9	31.9	95.7





#95

Naphthalene

Concen: 119.624 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

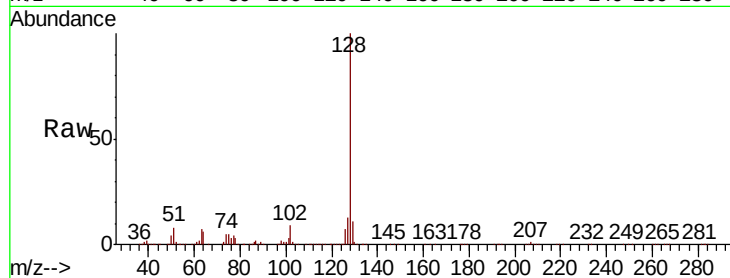
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 2038360

Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.9	14.9
129	10.9	8.4	12.6



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

15.13

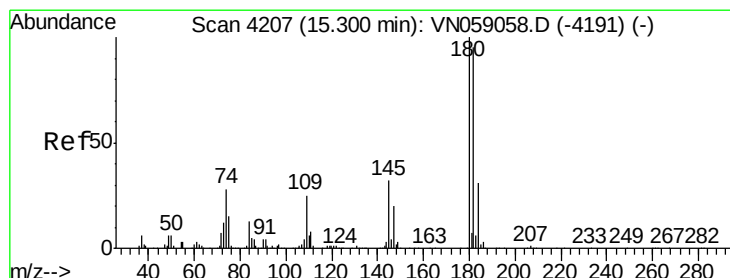
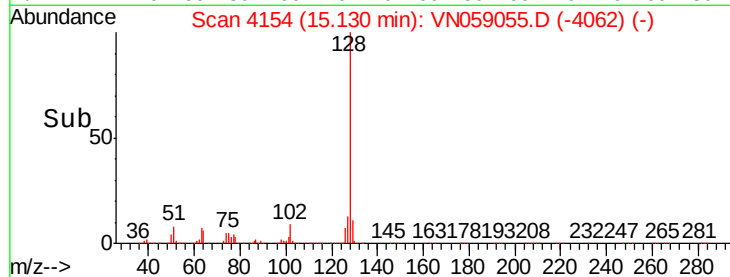
1000000

500000

0

15.10 15.20

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 114.368 ug/l

RT: 15.30 min Scan# 4207

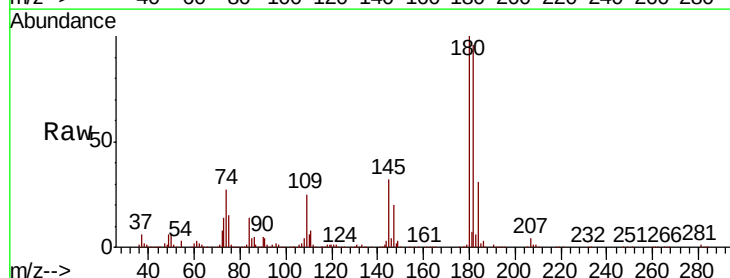
Delta R.T. 0.00 min

Lab File: VN059055.D

Acq: 1 Nov 2019 11:53

Tgt Ion:180 Resp: 692372

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.7	143.1
145	31.6	16.0	48.0



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

15.30

500000

400000

300000

200000

100000

0

15.20 15.30 15.40

Time-->

