

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059144.D
 Acq On : 11 Nov 2019 8:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 00:38:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	553217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	862701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	789002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	378927	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	313027	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	
35) Dibromofluoromethane	7.56	113	244318	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	
50) Toluene-d8	10.08	98	967998	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.40	95	363941	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	249818	44.819	ug/l	98
3) Chloromethane	2.04	50	316397	41.759	ug/l	100
4) Vinyl Chloride	2.17	62	326597	44.460	ug/l	100
5) Bromomethane	2.53	94	181791	43.005	ug/l	100
6) Chloroethane	2.68	64	199695	45.955	ug/l	99
7) Trichlorofluoromethane	3.00	101	397872	45.282	ug/l	98
8) Diethyl Ether	3.38	74	161119	45.129	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	240777	45.449	ug/l	99
10) Methyl Iodide	3.92	142	299930	45.739	ug/l	99
11) Tert butyl alcohol	4.75	59	273068	210.697	ug/l	99
12) 1,1-Dichloroethene	3.71	96	233071	45.163	ug/l	96
13) Acrolein	3.58	56	153355	229.504	ug/l	98
14) Allyl chloride	4.29	41	423995	39.997	ug/l	89
15) Acrylonitrile	4.95	53	711003	220.442	ug/l	98
16) Acetone	3.78	43	1055642	298.510	ug/l	99
17) Carbon Disulfide	4.02	76	662026	41.325	ug/l	100
18) Methyl Acetate	4.29	43	368261	43.872	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	854161	48.074	ug/l	99
20) Methylene Chloride	4.52	84	278912	45.271	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	254823	46.002	ug/l	97
22) Diisopropyl ether	5.92	45	930299	46.461	ug/l	99
23) Vinyl Acetate	5.86	43	3826856	246.604	ug/l	99
24) 1,1-Dichloroethane	5.82	63	512444	45.822	ug/l	99
25) 2-Butanone	6.80	43	1163846	249.713	ug/l	99
26) 2,2-Dichloropropane	6.79	77	461022	47.145	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	298819	46.497	ug/l	99
28) Bromochloromethane	7.17	49	142950	42.486	ug/l	96
29) Tetrahydrofuran	7.18	42	633906	214.054	ug/l	98
30) Chloroform	7.34	83	499050	46.519	ug/l	100
31) Cyclohexane	7.63	56	457871	43.248	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	434381	48.160	ug/l	100
36) 1,1-Dichloropropene	7.77	75	383563	47.566	ug/l	99
37) Ethyl Acetate	6.90	43	397068	44.263	ug/l	99
38) Carbon Tetrachloride	7.75	117	380901	47.458	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	465986	49.792	ug/l	97
40) Benzene	8.02	78	1140585	46.971	ug/l	99
41) Methacrylonitrile	7.18	41	568023	145.616	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	399645	47.986	ug/l	100
43) Isopropyl Acetate	8.14	43	649141	45.390	ug/l	99
44) Trichloroethene	8.81	130	289307	48.467	ug/l	98
45) 1,2-Dichloropropane	9.10	63	309779	46.967	ug/l	99
46) Dibromomethane	9.19	93	194417	47.303	ug/l	99
47) Bromodichloromethane	9.39	83	399378	48.663	ug/l	97
48) Methyl methacrylate	9.18	41	296241	46.309	ug/l	98
49) 1,4-Dioxane	9.18	88	105486	927.884	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1984650	245.256	ug/l	100
52) Toluene	10.14	92	708543	48.683	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	473923	49.982	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	504041	49.418	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	277268	47.072	ug/l	99
56) Ethyl methacrylate	10.42	69	443694	45.344	ug/l	99
57) 1,3-Dichloropropane	10.70	76	492885	48.619	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	882054	269.075	ug/l	99
59) 2-Hexanone	10.74	43	1619253	260.703	ug/l	99
60) Dibromochloromethane	10.89	129	309243	49.656	ug/l	100
61) 1,2-Dibromoethane	11.00	107	290590	48.734	ug/l	99
64) Tetrachloroethene	10.62	164	255298	47.585	ug/l	98
65) Chlorobenzene	11.43	112	761558	49.514	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	283566	49.148	ug/l	99
67) Ethyl Benzene	11.51	91	1387415	50.842	ug/l	99
68) m/p-Xylenes	11.62	106	1040416	101.781	ug/l	99
69) o-Xylene	11.94	106	496984	50.309	ug/l	98
70) Styrene	11.96	104	834800	53.732	ug/l	99
71) Bromoform	12.12	173	221266	49.303	ug/l #	100
73) Isopropylbenzene	12.25	105	1363538	49.469	ug/l	100
74) N-amyl acetate	12.07	43	561262	48.055	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	421781	44.934	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	573322	66.457	ug/l #	100
77) Bromobenzene	12.52	156	318990	46.063	ug/l	99
78) n-propylbenzene	12.59	91	1603088	50.795	ug/l	100
79) 2-Chlorotoluene	12.67	91	944271	48.231	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1154921	49.449	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	158069	48.396	ug/l	98
82) 4-Chlorotoluene	12.77	91	966005	49.194	ug/l	99
83) tert-Butylbenzene	12.99	119	978168	48.497	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1142428	50.557	ug/l	99
85) sec-Butylbenzene	13.17	105	1334372	50.869	ug/l	100
86) p-Isopropyltoluene	13.29	119	1207190	52.120	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	583716	49.223	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	578242	48.736	ug/l	100
89) n-Butylbenzene	13.62	91	1075969	53.077	ug/l	99
90) Hexachloroethane	13.88	117	217353	46.734	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	564389	48.382	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83434	44.555	ug/l	99

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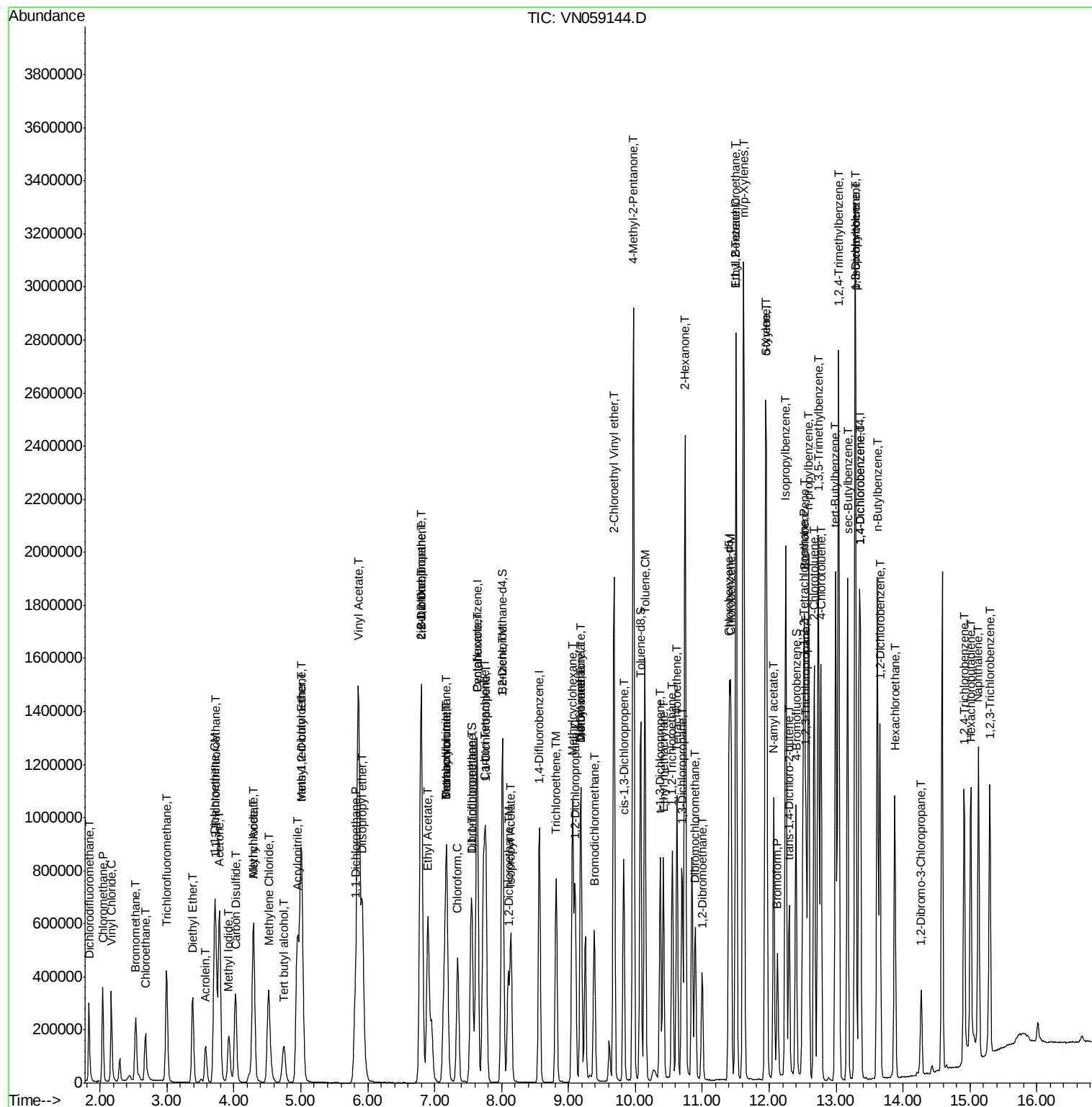
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	332412	47.152	ug/l	98
94) Hexachlorobutadiene	15.01	225	192104	47.760	ug/l	100
95) Naphthalene	15.13	128	908027	46.472	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	320563	49.035	ug/l	99

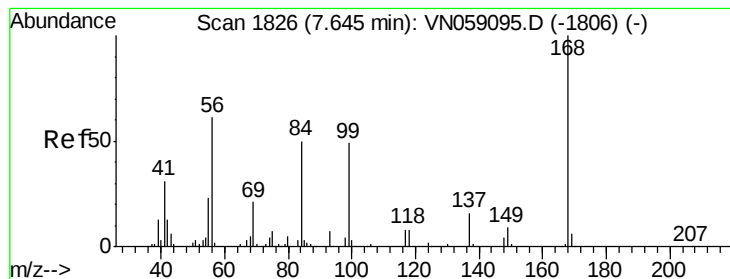
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

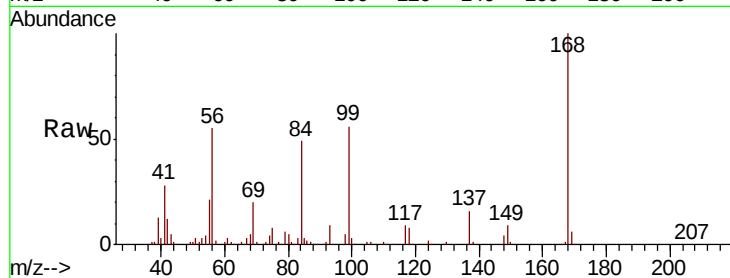
ClientSampled :

Tot Ion:168 Resp: 553217

Ion Ratio Lower Upper

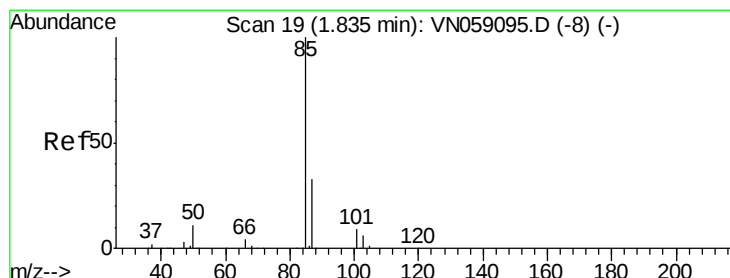
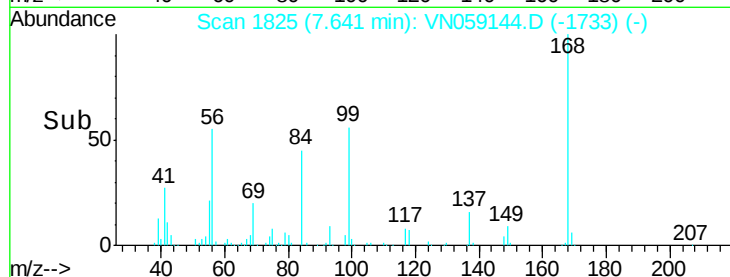
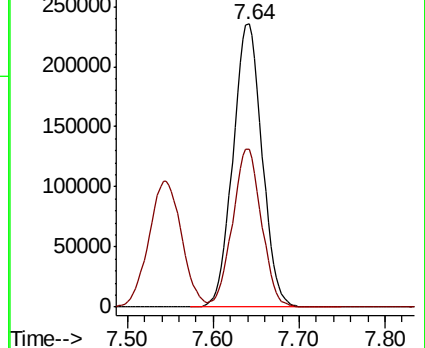
168 100

99 55.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.819 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059144.D

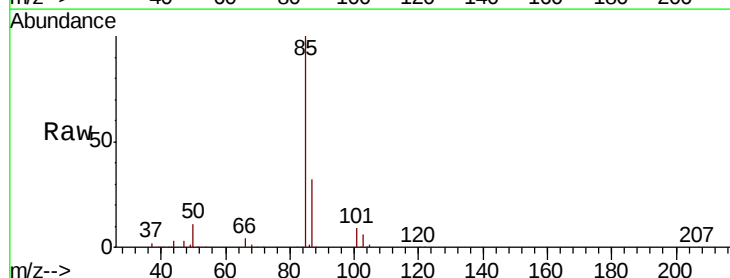
Acq: 11 Nov 2019 8:50

Tgt Ion: 85 Resp: 249818

Ion Ratio Lower Upper

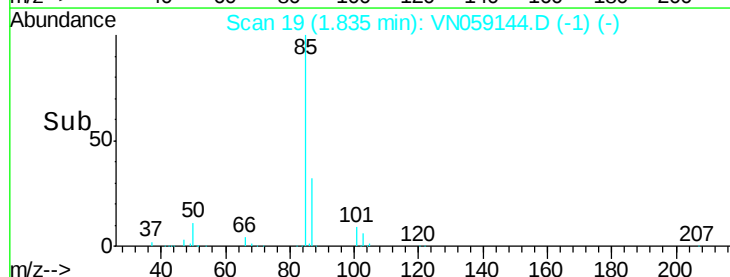
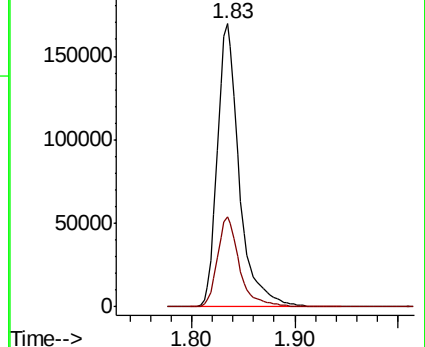
85 100

87 31.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 41.759 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

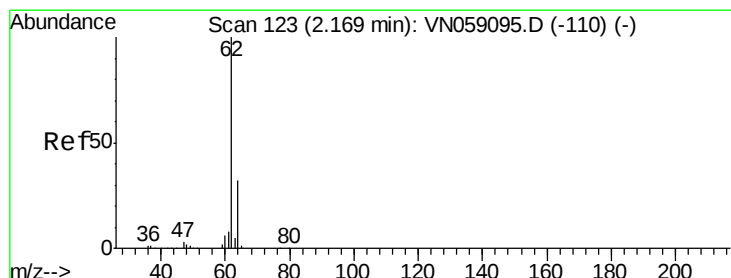
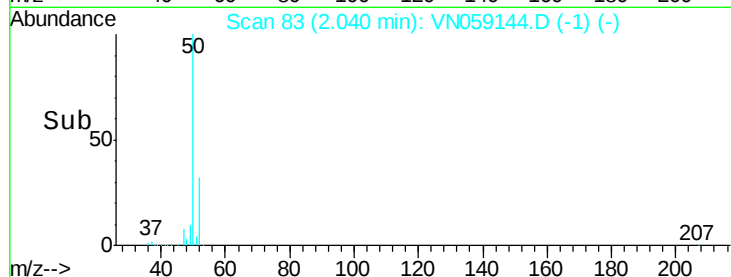
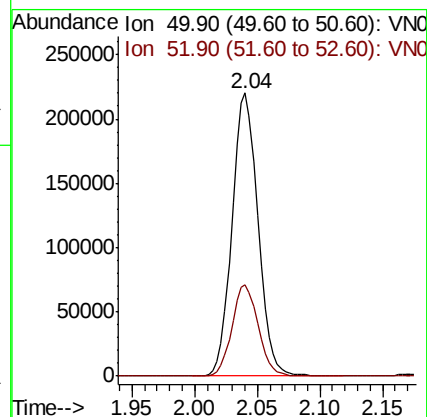
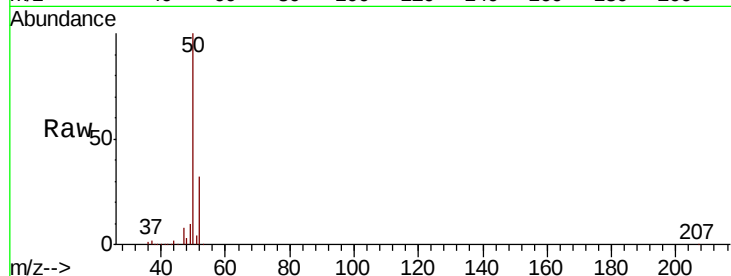
ClientSampled :

Tot Ion: 50 Resp: 316397

Ion Ratio Lower Upper

50 100

52 32.3 26.0 39.0



#4

Vinyl Chloride

Concen: 44.460 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059144.D

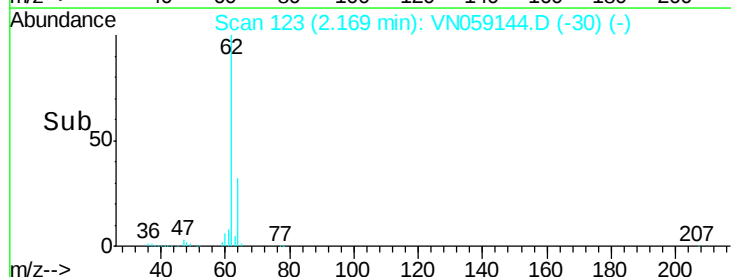
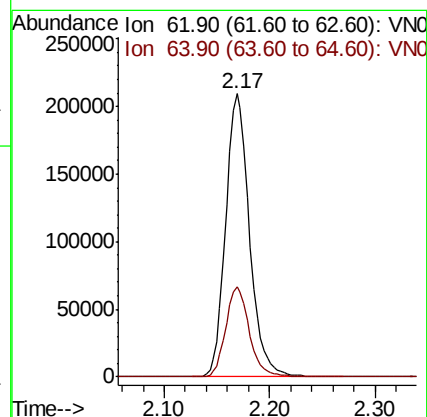
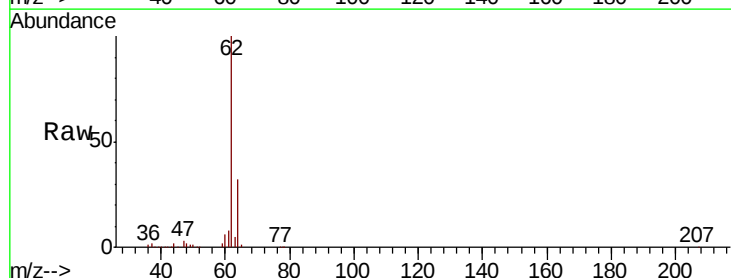
Acq: 11 Nov 2019 8:50

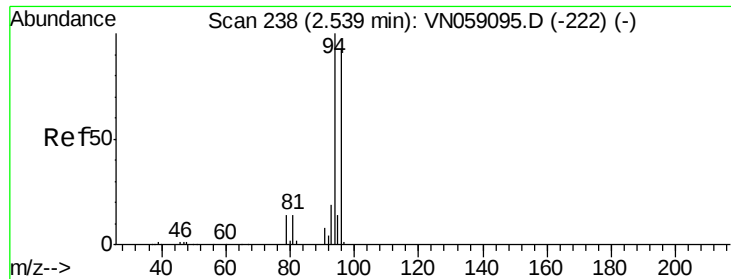
Tgt Ion: 62 Resp: 326597

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 43.005 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

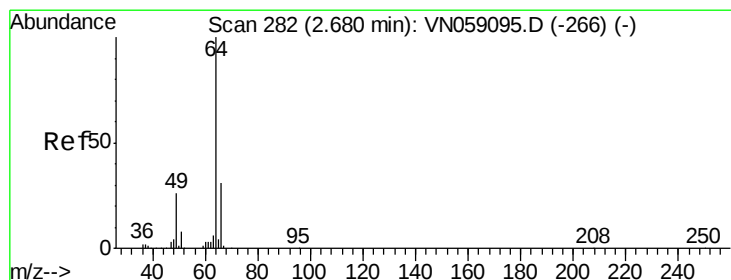
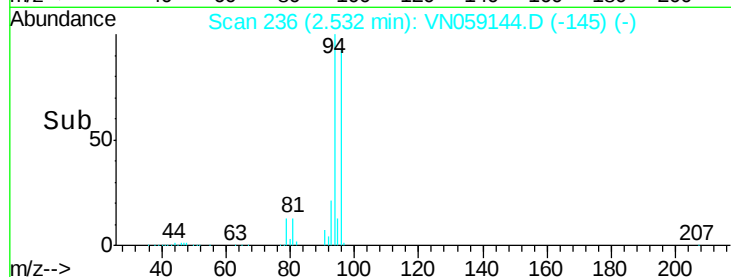
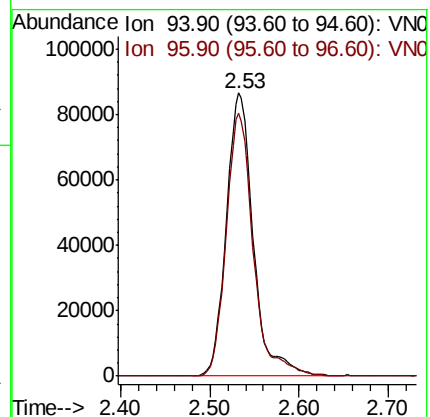
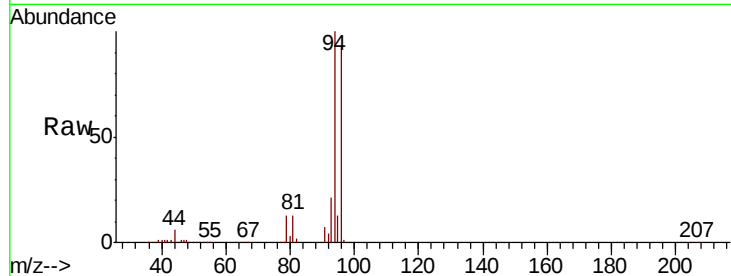
ClientSampleId :

Tot Ion: 94 Resp: 181791

Ion Ratio Lower Upper

94 100

96 93.0 74.2 111.2



#6

Chloroethane

Concen: 45.955 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059144.D

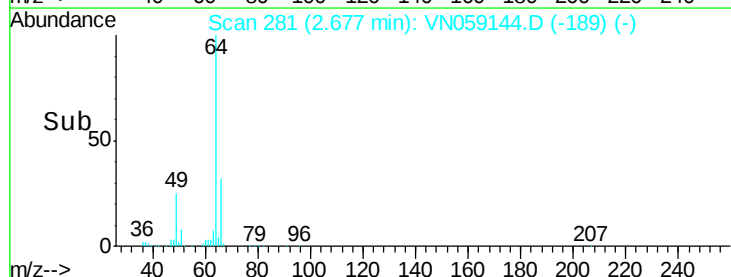
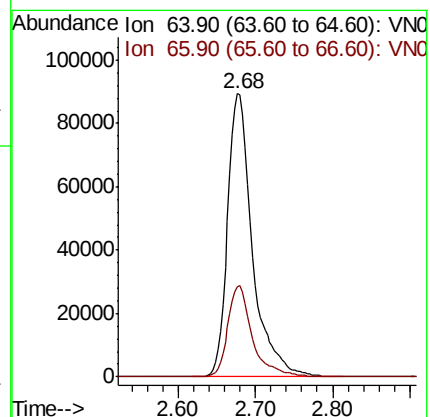
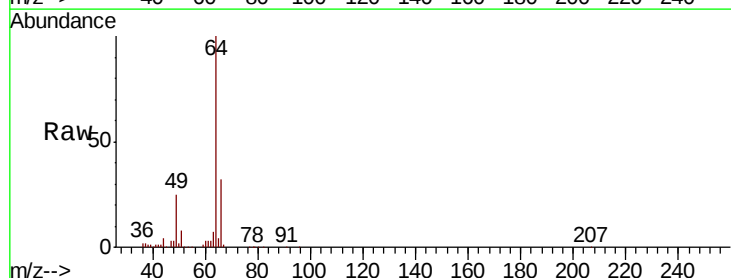
Acq: 11 Nov 2019 8:50

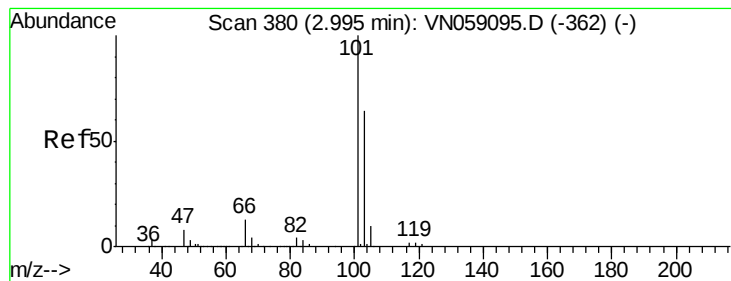
Tgt Ion: 64 Resp: 199695

Ion Ratio Lower Upper

64 100

66 32.0 25.2 37.8



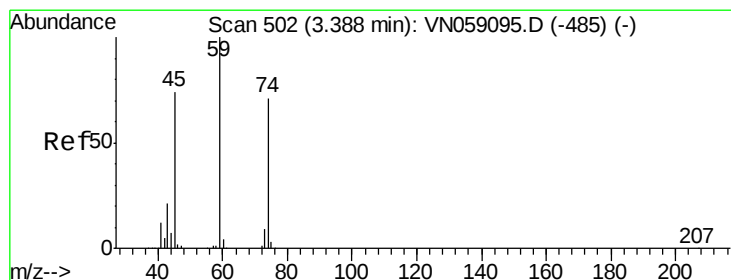
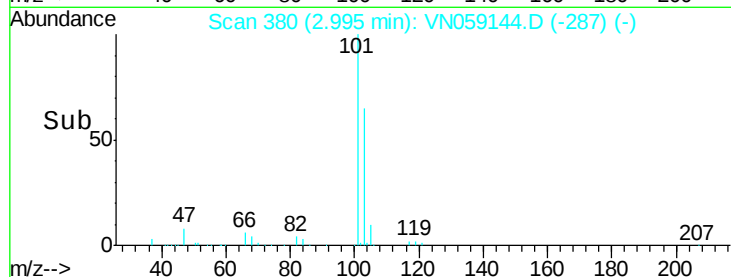
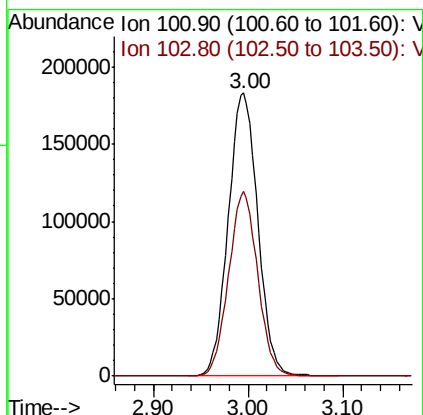
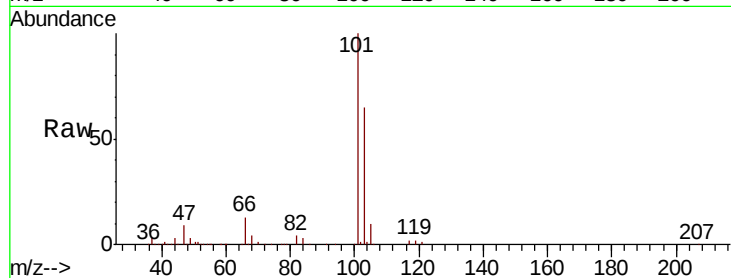


#7

Trichlorofluoromethane
Concen: 45.282 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampled :

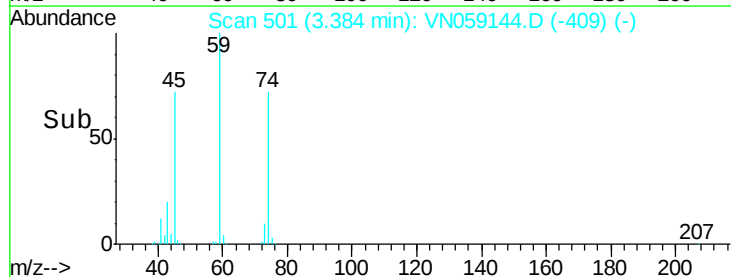
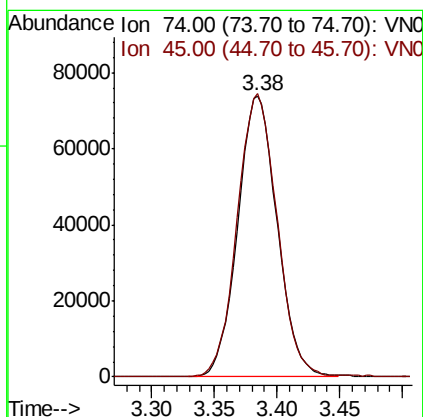
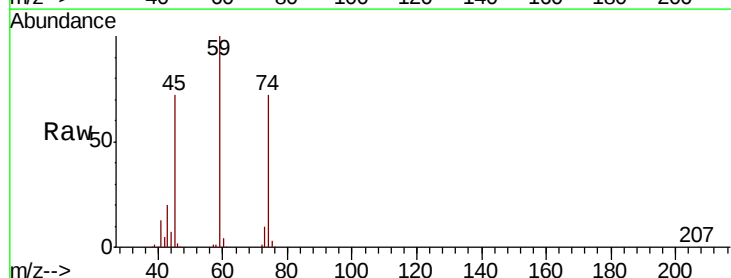
Tot Ion:101 Resp: 397872
Ion Ratio Lower Upper
101 100
103 65.3 51.2 76.8

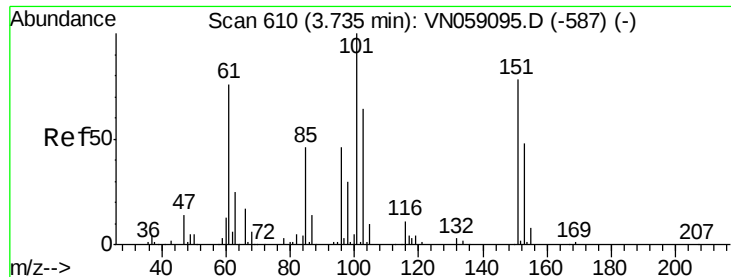


#8

Diethyl Ether
Concen: 45.129 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion: 74 Resp: 161119
Ion Ratio Lower Upper
74 100
45 102.2 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.449 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

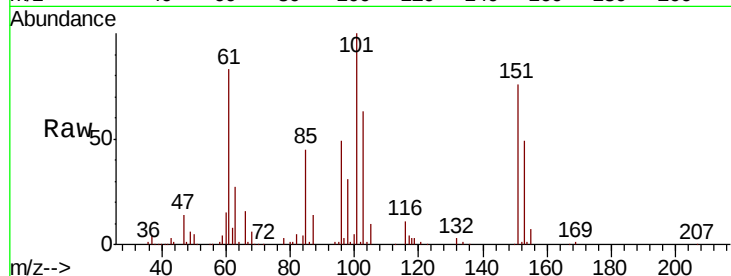
Tot Ion:101 Resp: 240777

Ion Ratio Lower Upper

101 100

85 44.7 35.5 53.3

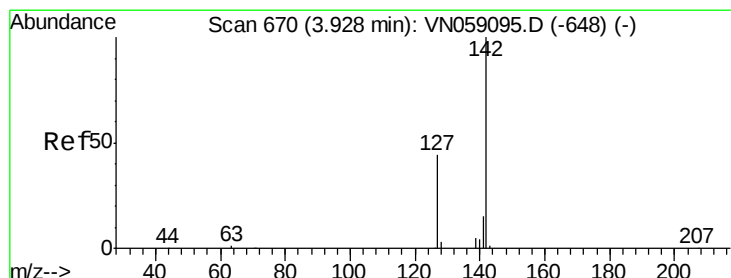
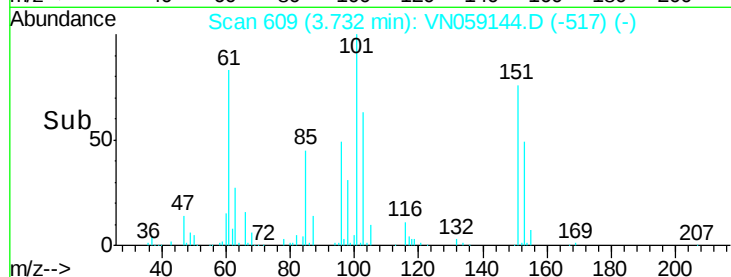
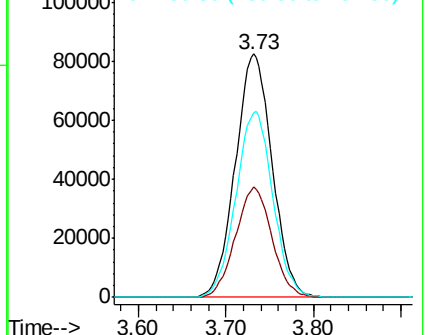
151 76.6 62.2 93.2



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: 45.739 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

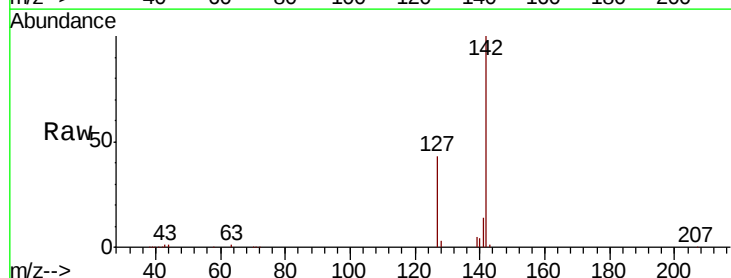
Tgt Ion:142 Resp: 299930

Ion Ratio Lower Upper

142 100

127 43.5 34.2 51.2

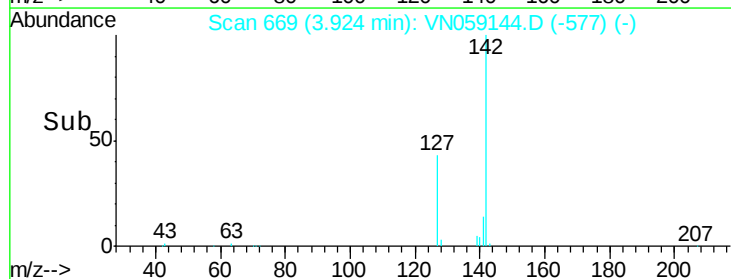
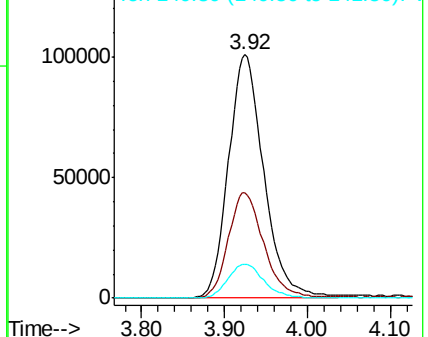
141 14.3 11.4 17.0

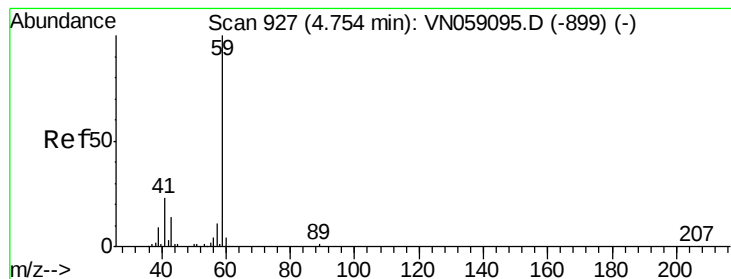


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



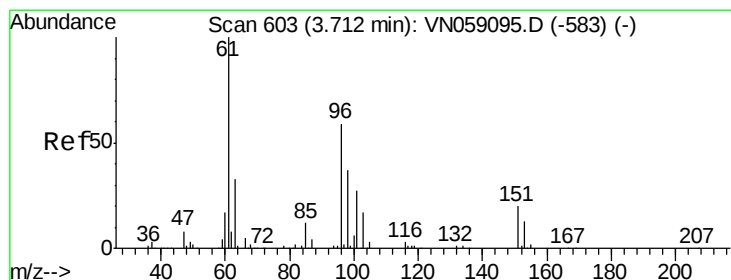
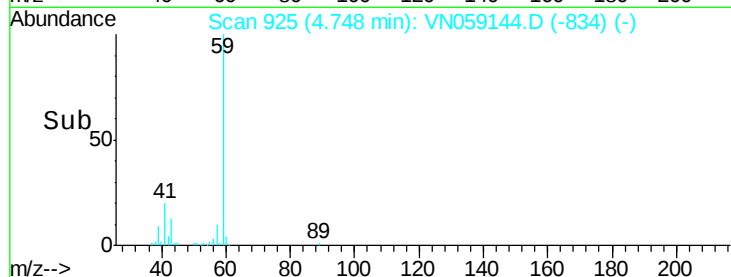
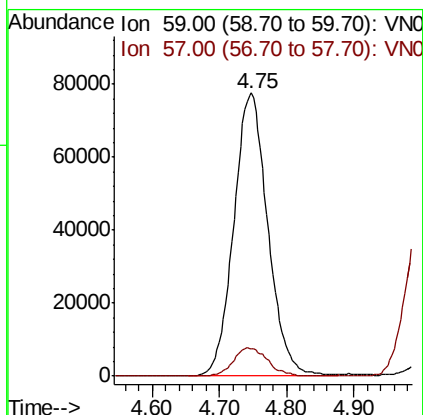
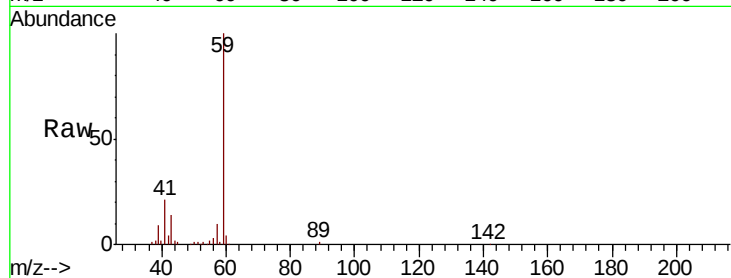


#11

Tert butyl alcohol
 Concen: 210.697 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Instrument :
 MSVOA_N
 ClientSampled :

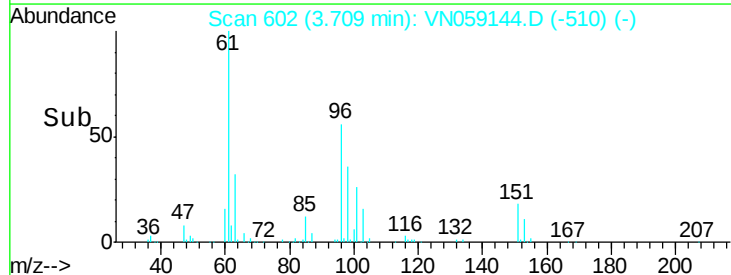
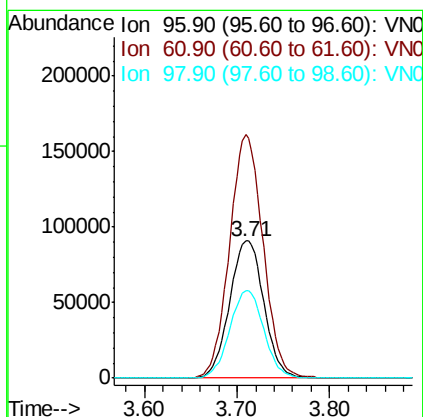
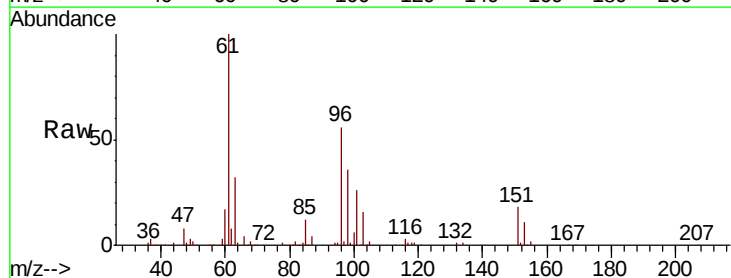
Tot Ion: 59 Resp: 273068
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.3 12.5



#12

1,1-Dichloroethene
 Concen: 45.163 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Tgt Ion: 96 Resp: 233071
 Ion Ratio Lower Upper
 96 100
 61 177.4 136.5 204.7
 98 63.9 50.2 75.4





#13

Acrolein

Concen: 229.504 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

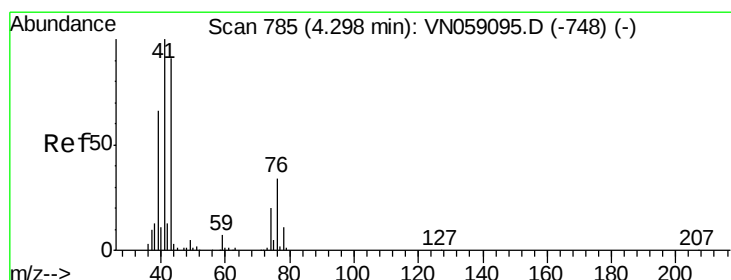
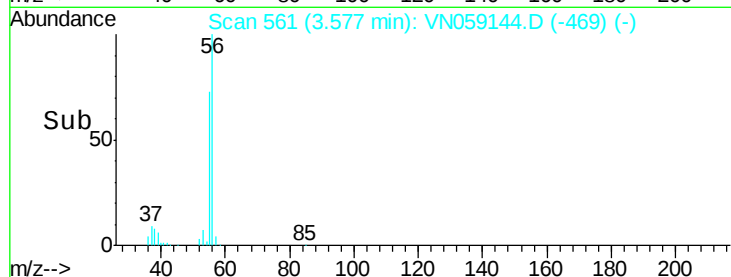
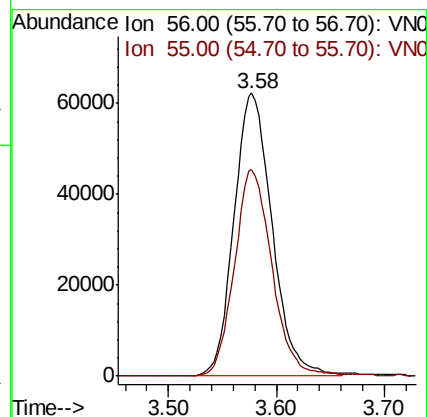
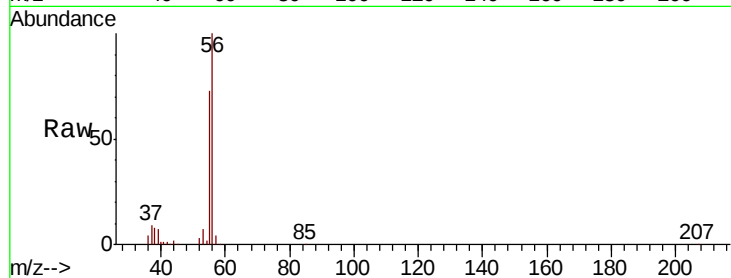
ClientSampleId :

Tot Ion: 56 Resp: 153355

Ion Ratio Lower Upper

56 100

55 72.2 56.4 84.6



#14

Allyl chloride

Concen: 39.997 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

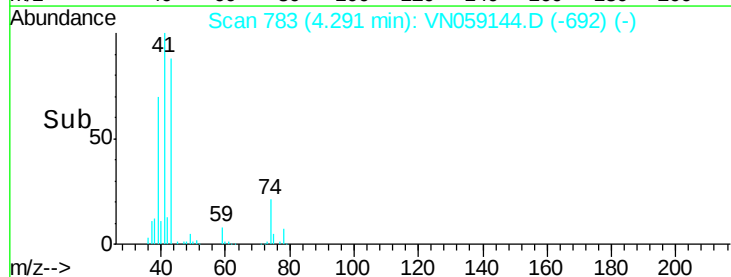
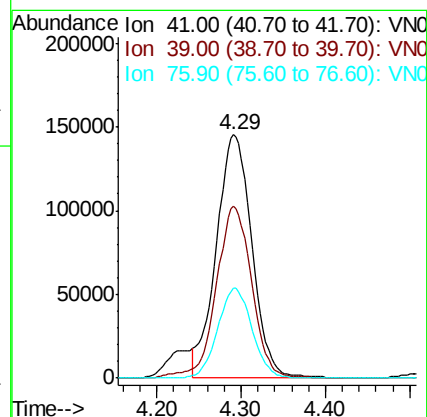
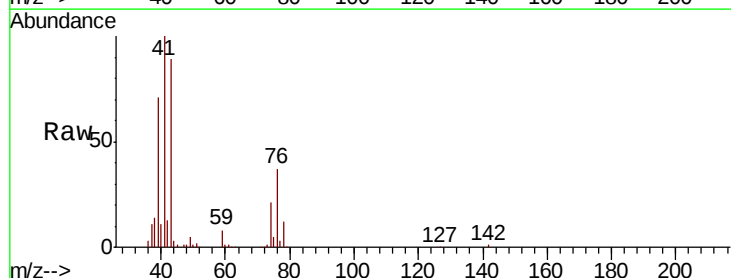
Tgt Ion: 41 Resp: 423995

Ion Ratio Lower Upper

41 100

39 71.0 49.1 73.7

76 36.0 24.9 37.3





#15

Acrylonitrile

Concen: 220.442 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampled :

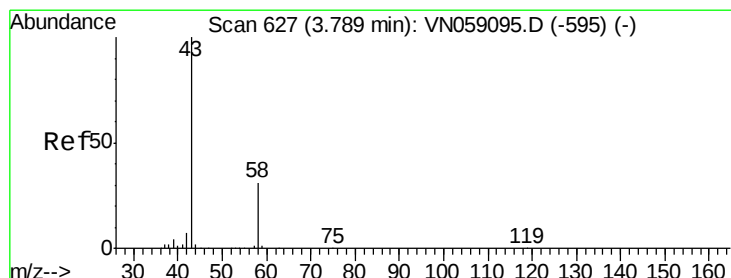
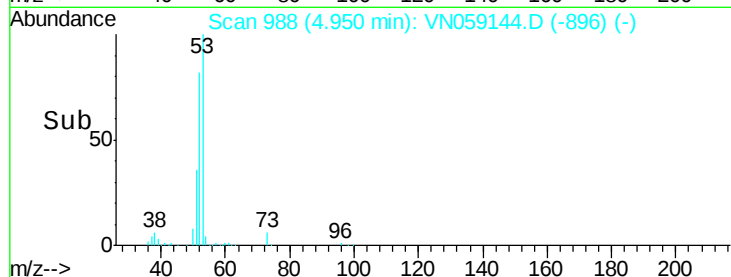
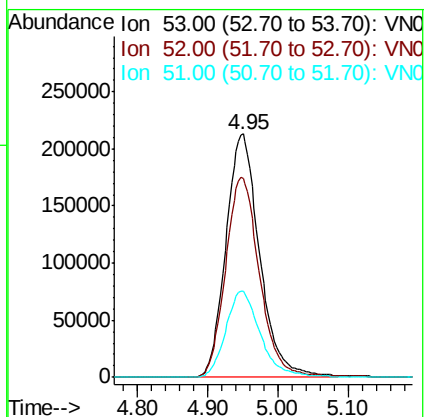
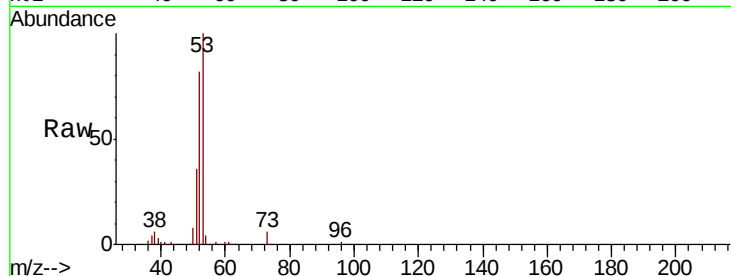
Tot Ion: 53 Resp: 711003

Ion Ratio Lower Upper

53 100

52 83.0 65.0 97.6

51 36.6 28.0 42.0



#16

Acetone

Concen: 298.510 ug/l

RT: 3.78 min Scan# 625

Delta R.T. -0.01 min

Lab File: VN059144.D

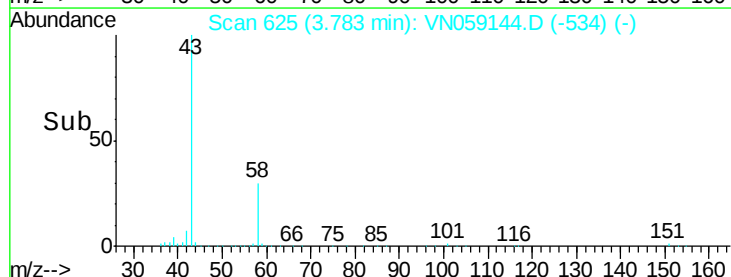
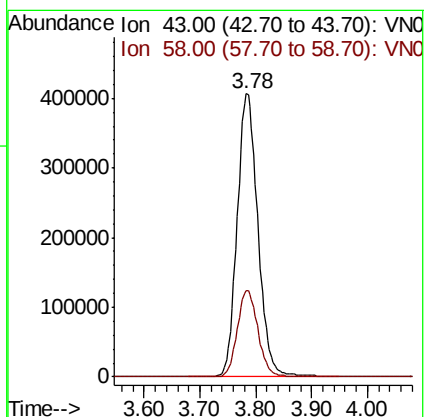
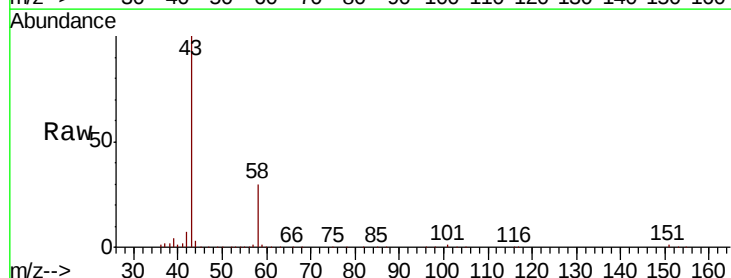
Acq: 11 Nov 2019 8:50

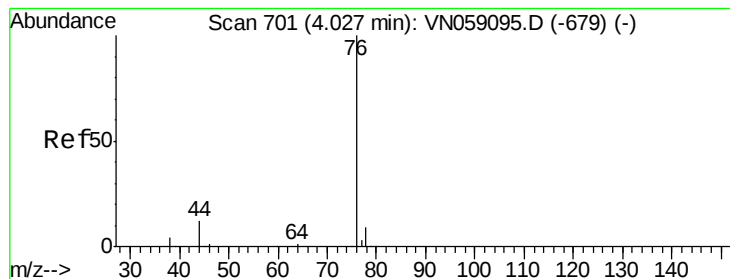
Tgt Ion: 43 Resp: 1055642

Ion Ratio Lower Upper

43 100

58 30.4 24.9 37.3





#17

Carbon Disulfide

Concen: 41.325 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

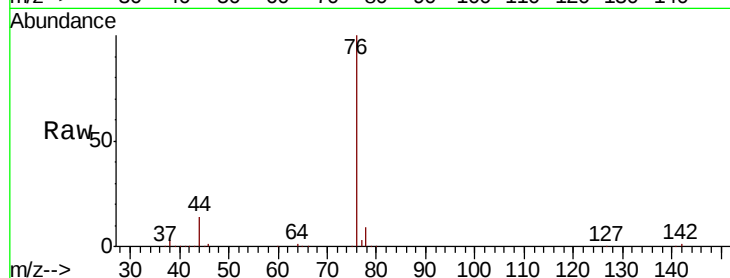
ClientSampled :

Tot Ion: 76 Resp: 662026

Ion Ratio Lower Upper

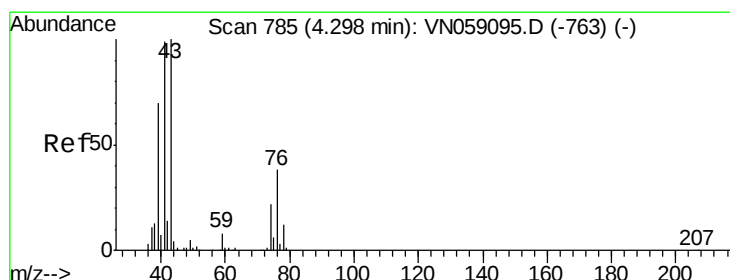
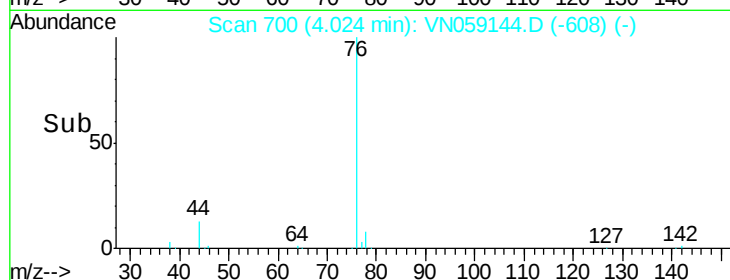
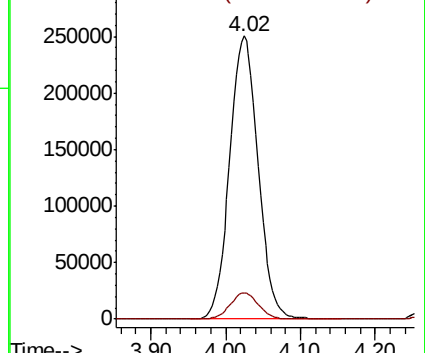
76 100

78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 43.872 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059144.D

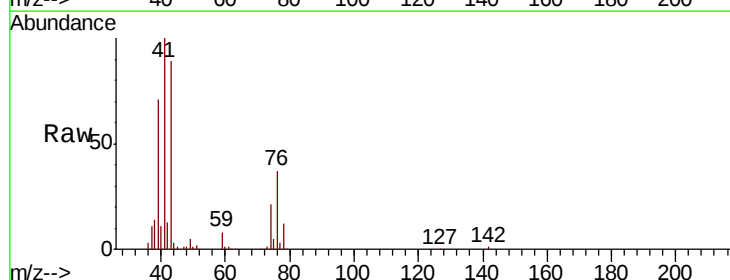
Acq: 11 Nov 2019 8:50

Tgt Ion: 43 Resp: 368261

Ion Ratio Lower Upper

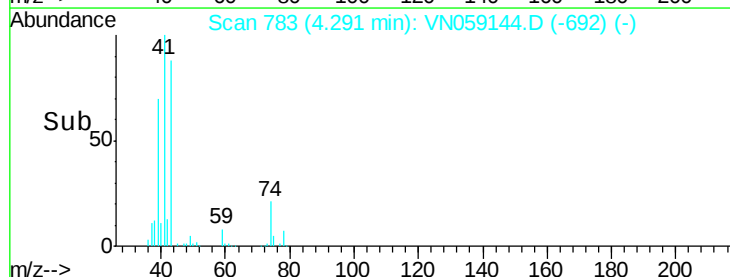
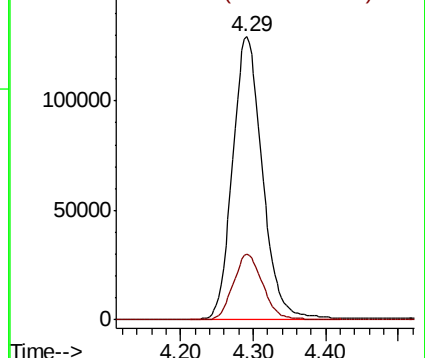
43 100

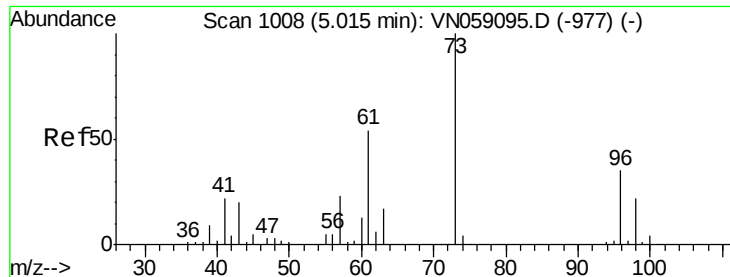
74 23.3 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

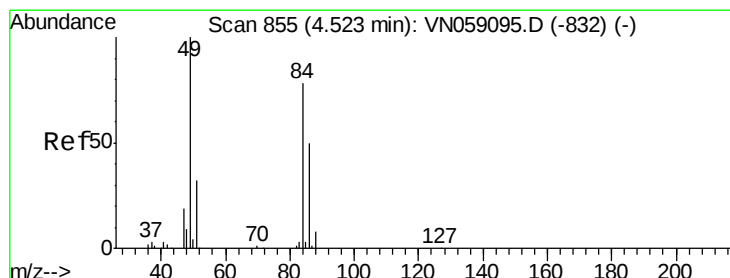
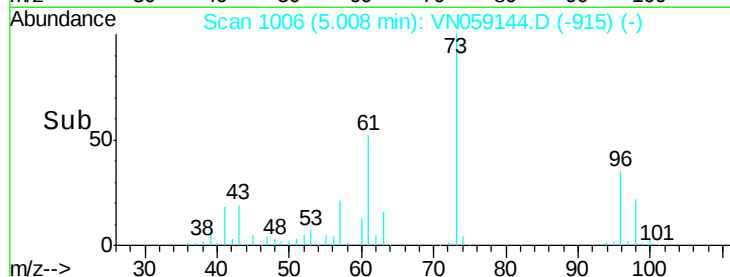
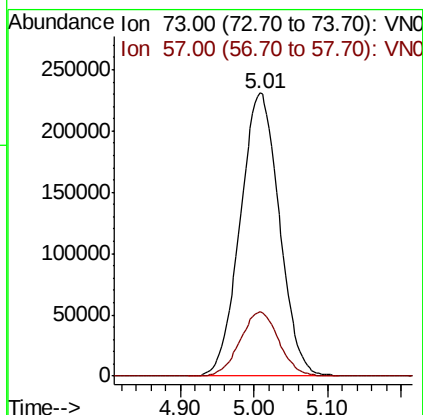
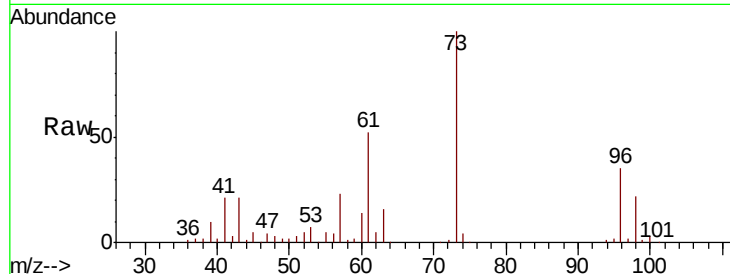




#19
Methyl tert-butyl Ether
Concen: 48.074 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

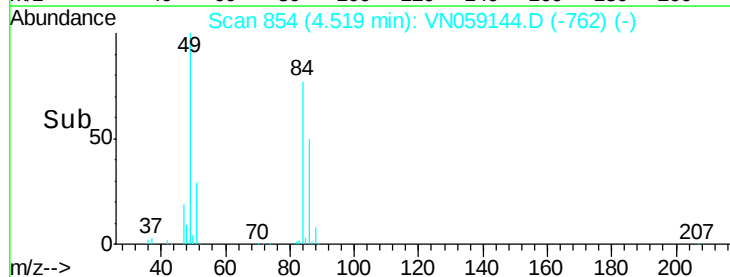
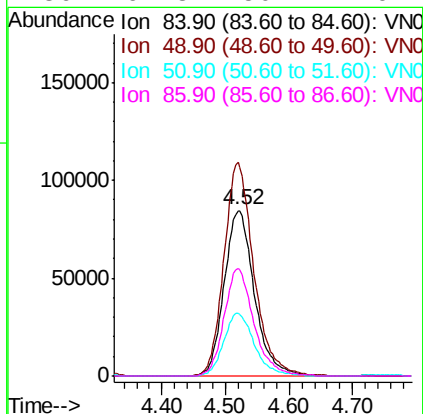
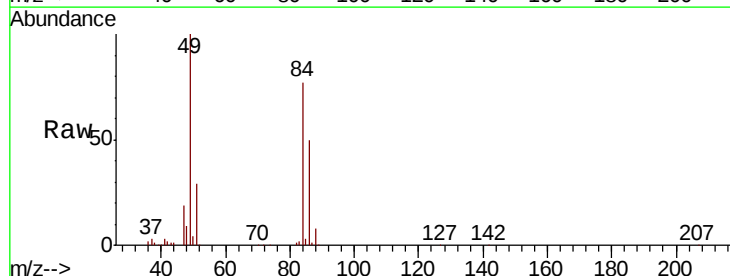
Instrument :
MSVOA_N
ClientSampled :

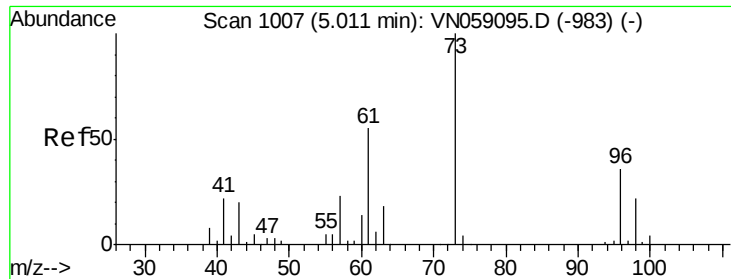
Tot Ion: 73 Resp: 854161
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6



#20
Methylene Chloride
Concen: 45.271 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion: 84 Resp: 278912
Ion Ratio Lower Upper
84 100
49 129.2 102.0 153.0
51 37.7 32.2 48.2
86 64.8 50.7 76.1

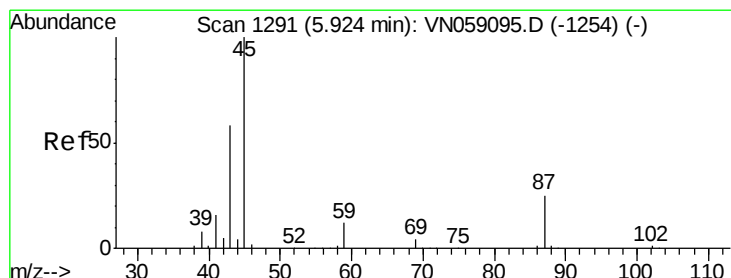
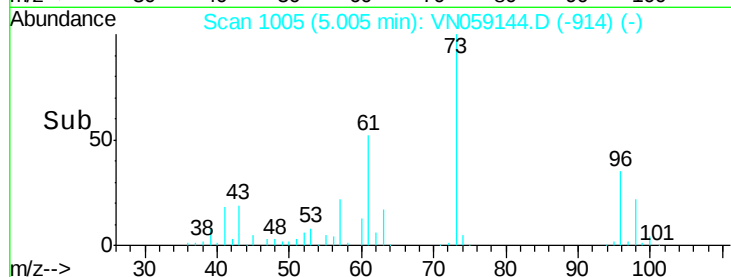
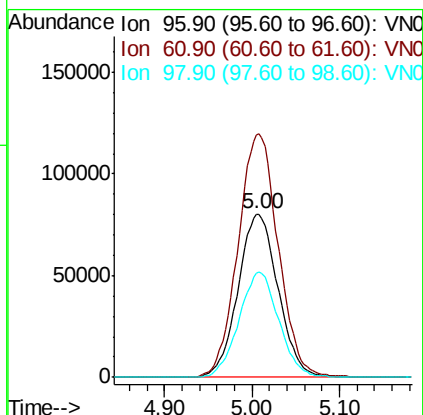
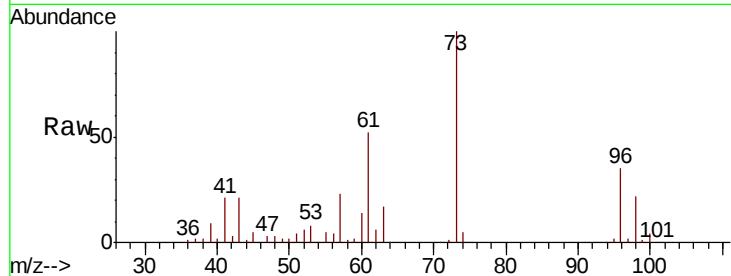




#21
trans-1,2-Dichloroethene
Concen: 46.002 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

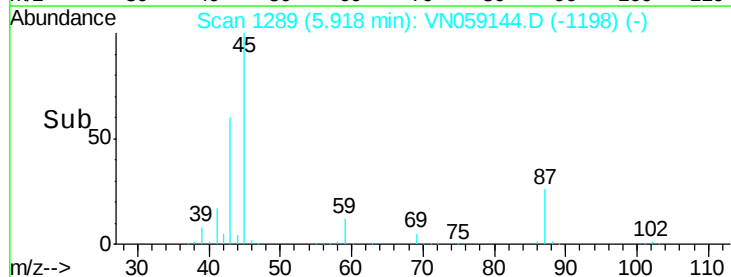
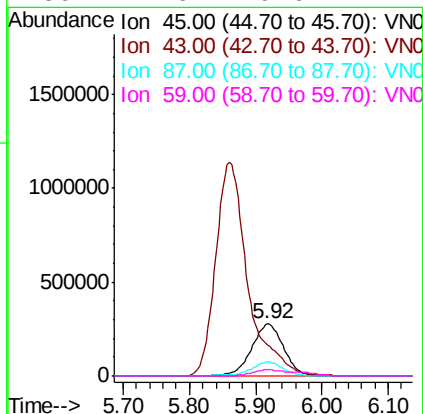
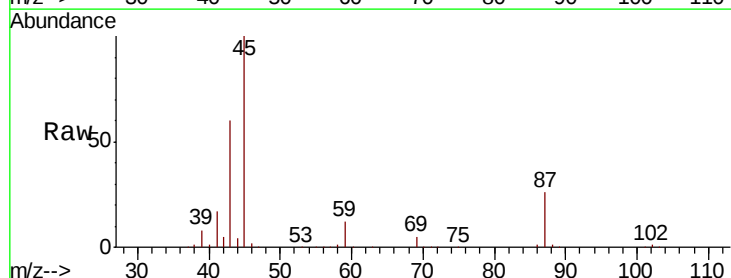
Instrument :
MSVOA_N
ClientSampled :

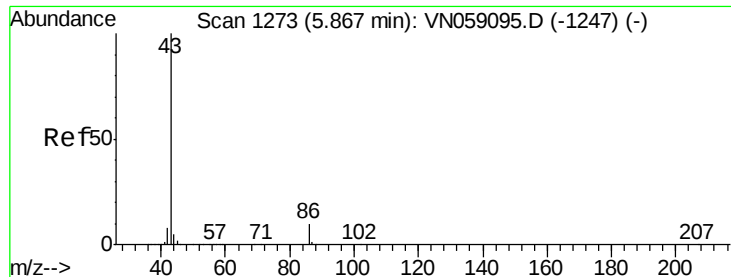
Tot Ion: 96 Resp: 254823
Ion Ratio Lower Upper
96 100
61 148.2 122.6 183.8
98 63.5 50.3 75.5



#22
Diisopropyl ether
Concen: 46.461 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion: 45 Resp: 930299
Ion Ratio Lower Upper
45 100
43 58.7 46.7 70.1
87 26.1 20.5 30.7
59 11.6 9.6 14.4





#23

Vinyl Acetate

Concen: 246.604 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

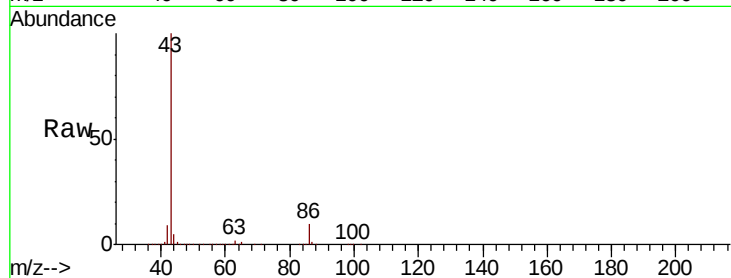
ClientSampled :

Tot Ion: 43 Resp: 3826856

Ion Ratio Lower Upper

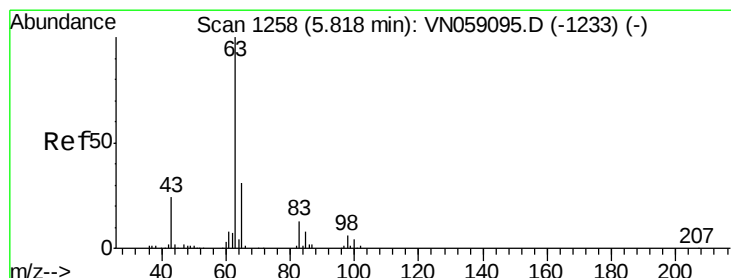
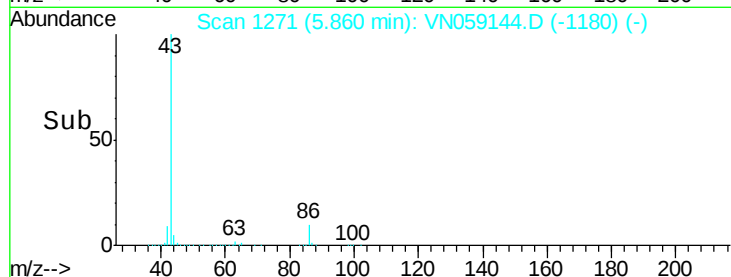
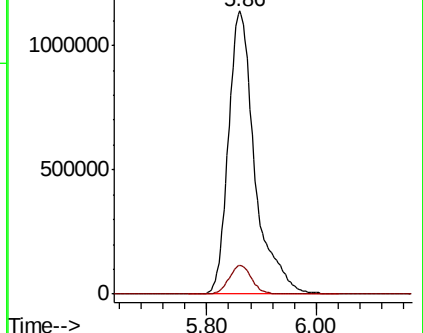
43 100

86 10.1 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059144.D (-1180) (-)

Ion 86.00 (85.70 to 86.70): VN059144.D (-1180) (-)



#24

1,1-Dichloroethane

Concen: 45.822 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

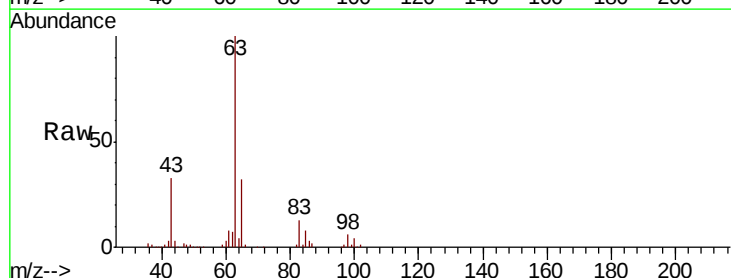
Tgt Ion: 63 Resp: 512444

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

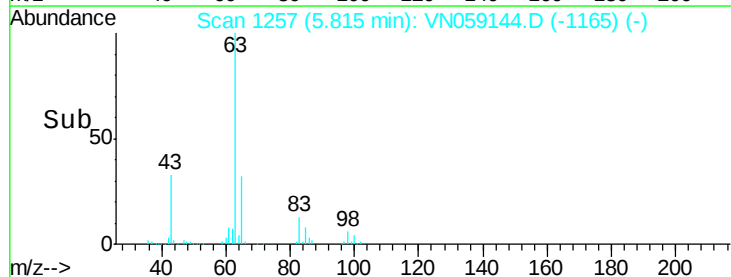
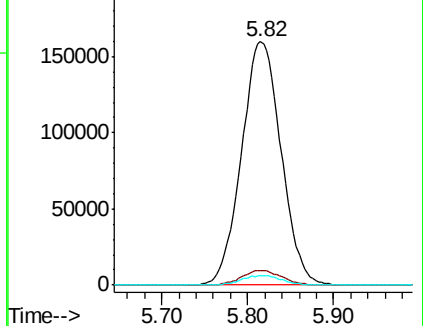
100 3.7 1.9 5.7

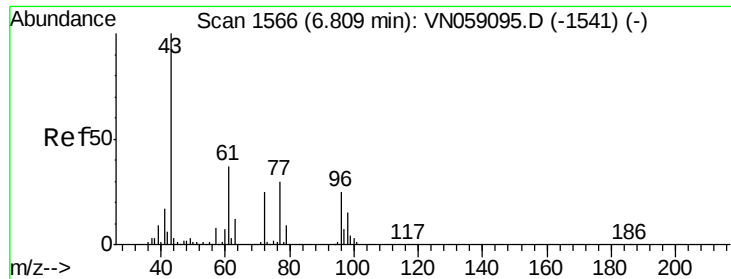


Abundance Ion 62.90 (62.60 to 63.60): VN059144.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059144.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059144.D (-1165) (-)





#25

2-Butanone

Concen: 249.713 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

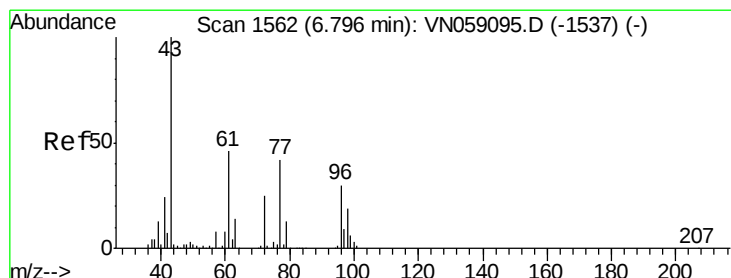
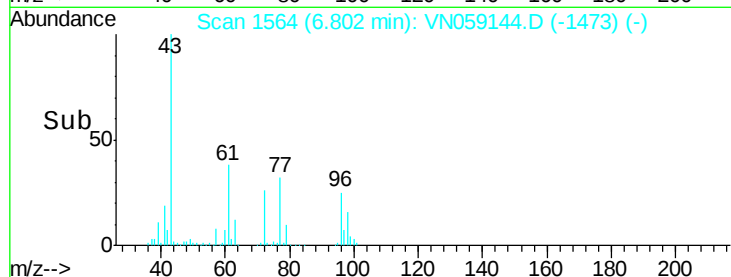
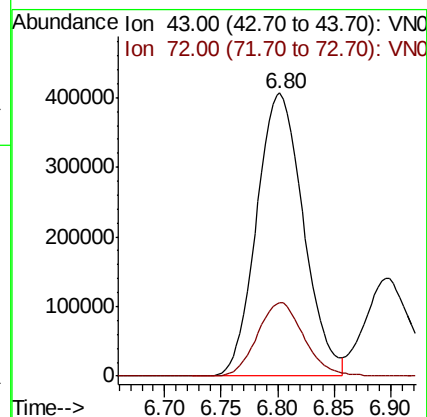
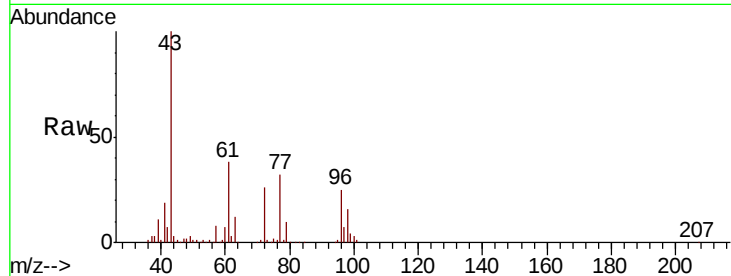
ClientSampled :

Tot Ion: 43 Resp: 1163846

Ion Ratio Lower Upper

43 100

72 26.1 20.3 30.5



#26

2,2-Dichloropropane

Concen: 47.145 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059144.D

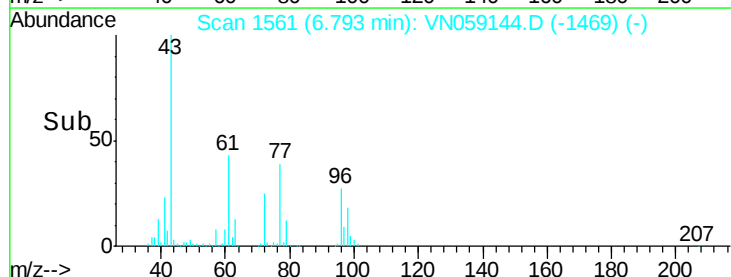
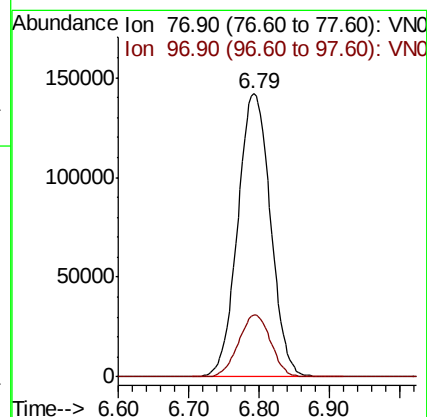
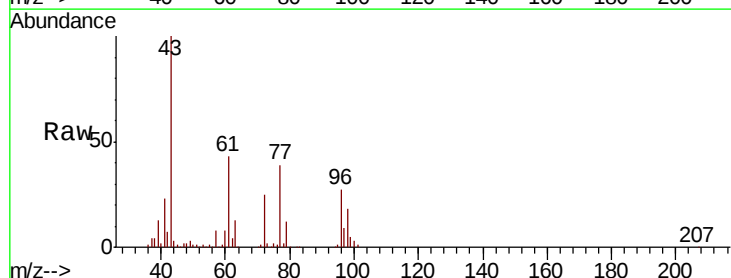
Acq: 11 Nov 2019 8:50

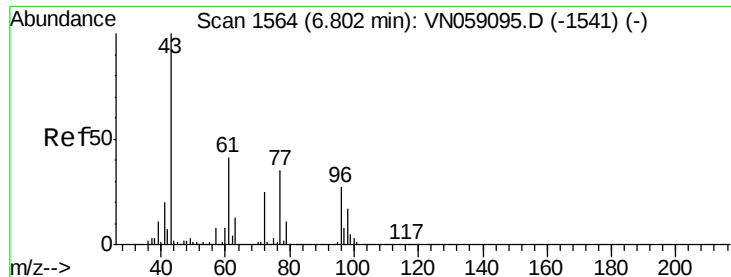
Tgt Ion: 77 Resp: 461022

Ion Ratio Lower Upper

77 100

97 21.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 46.497 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :

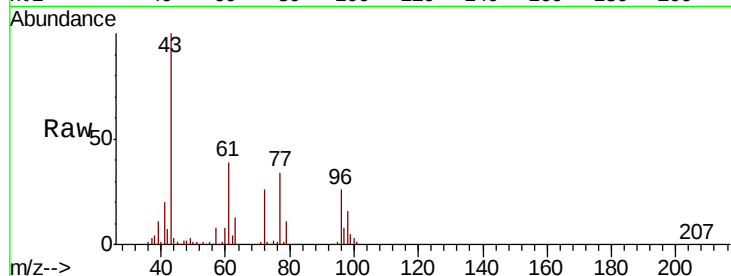
Tot Ion: 96 Resp: 298819

Ion Ratio Lower Upper

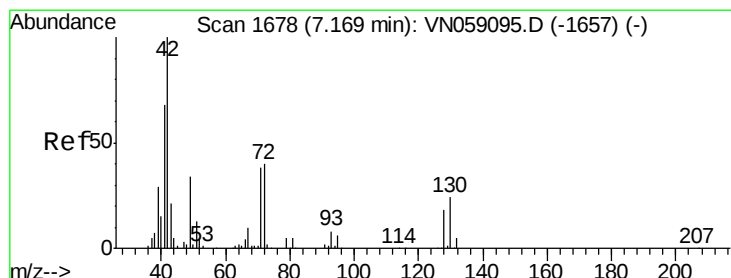
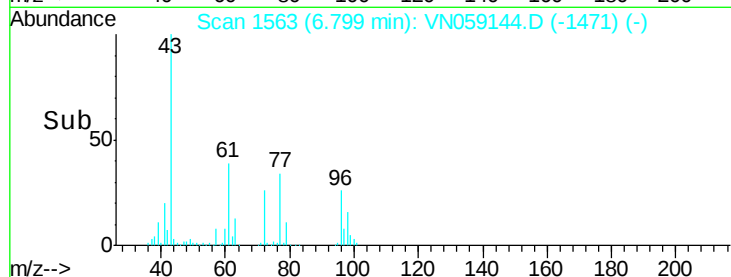
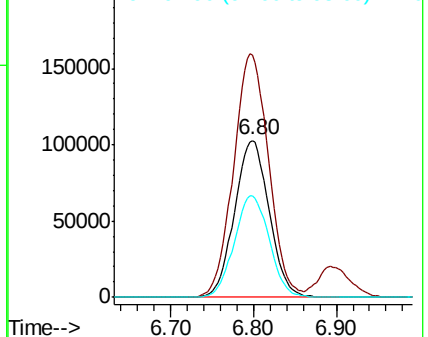
96 100

61 157.1 0.0 311.6

98 65.3 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 42.486 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

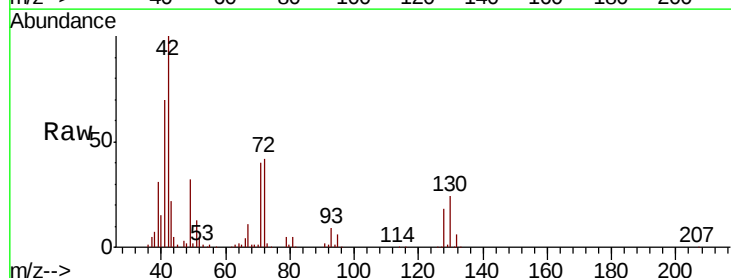
Tgt Ion: 49 Resp: 142950

Ion Ratio Lower Upper

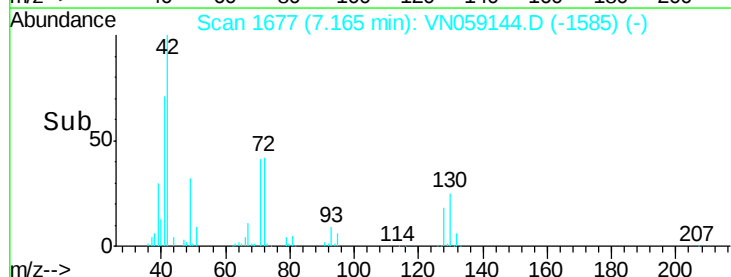
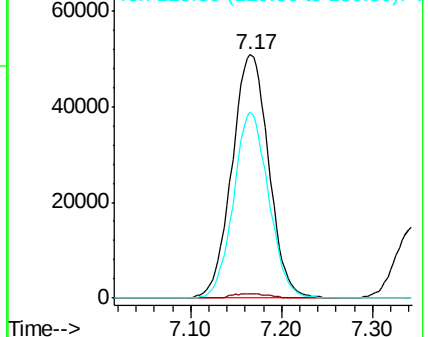
49 100

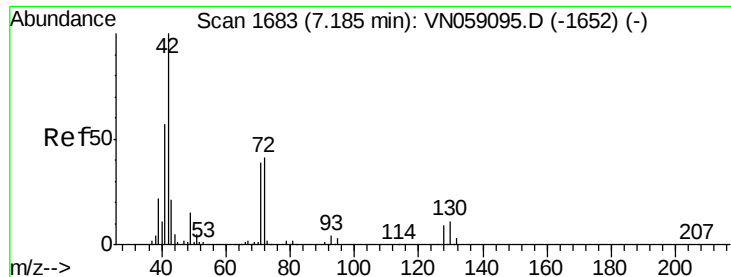
129 1.8 0.0 3.8

130 72.9 55.6 83.4



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

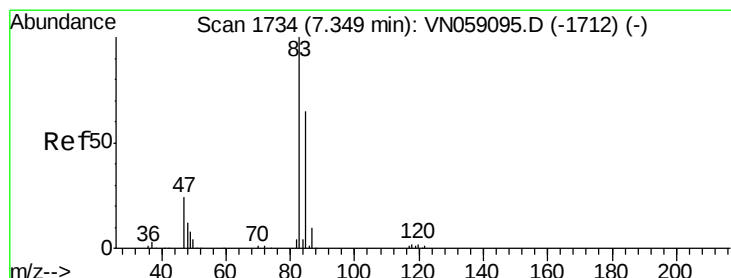
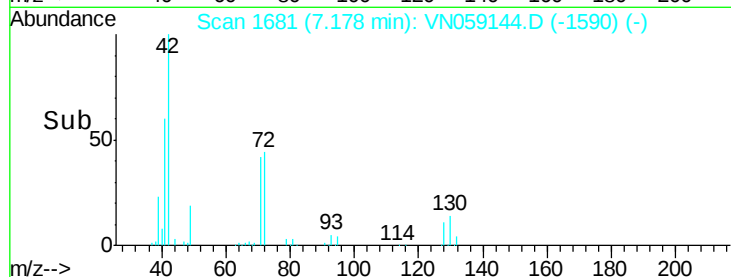
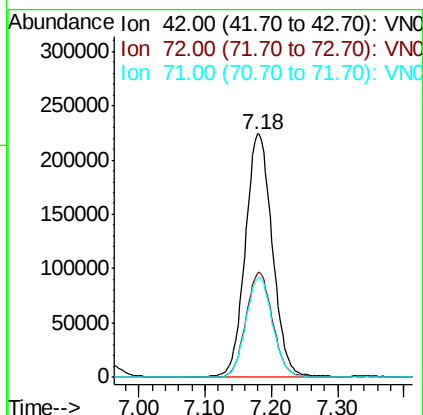
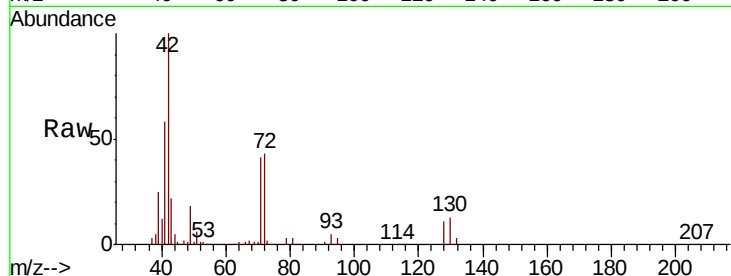




#29
Tetrahydrofuran
Concen: 214.054 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.01 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

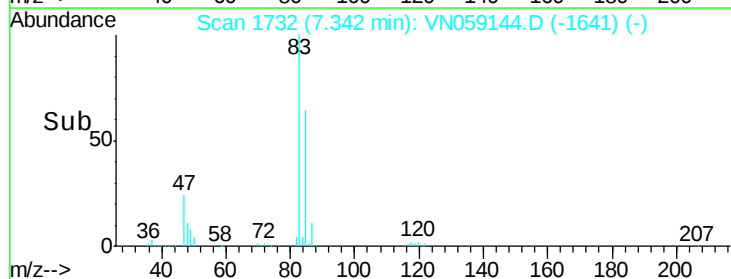
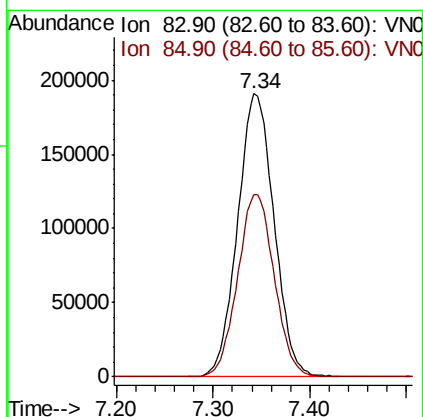
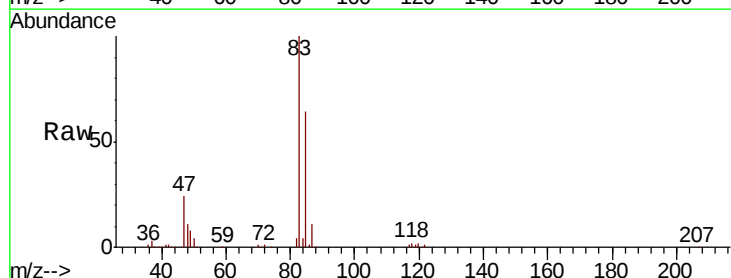
Instrument :
MSVOA_N
ClientSampleId :

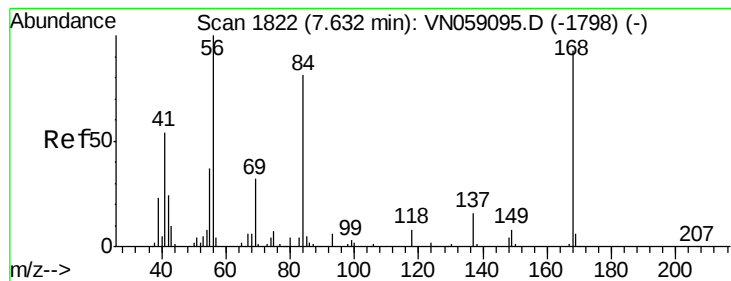
Tot Ion: 42 Resp: 633906
Ion Ratio Lower Upper
42 100
72 42.4 33.1 49.7
71 40.6 30.9 46.3



#30
Chloroform
Concen: 46.519 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion: 83 Resp: 499050
Ion Ratio Lower Upper
83 100
85 64.5 51.8 77.8





#31

Cyclohexane

Concen: 43.248 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampled :

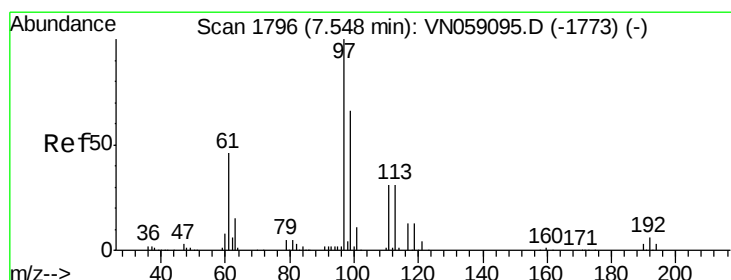
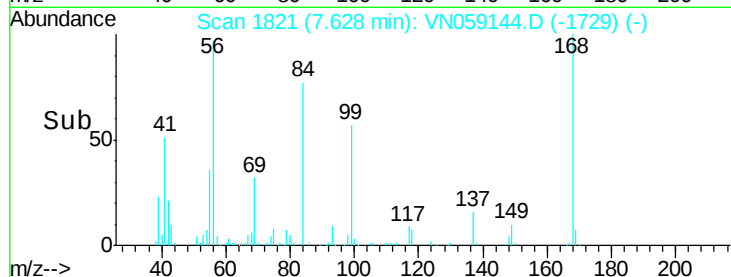
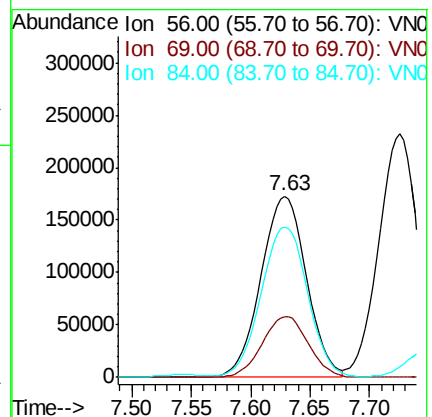
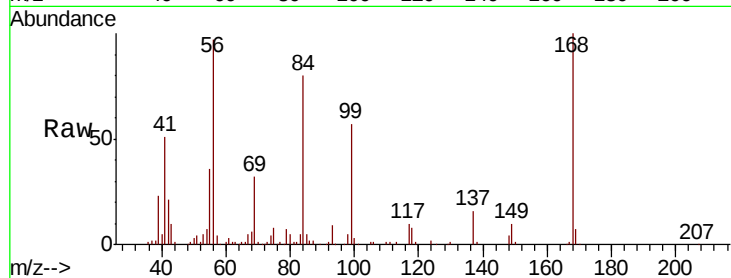
Tot Ion: 56 Resp: 457871

Ion Ratio Lower Upper

56 100

69 33.6 25.8 38.8

84 81.6 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 48.160 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

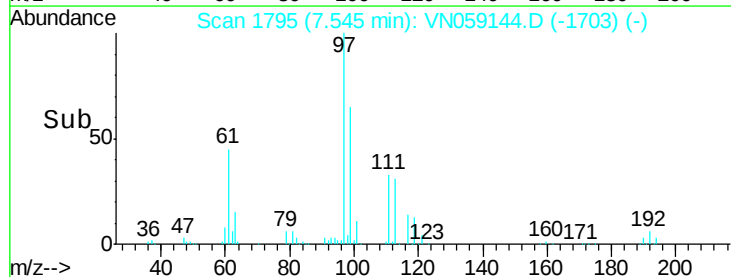
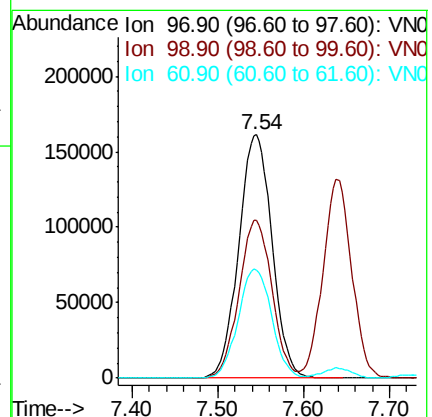
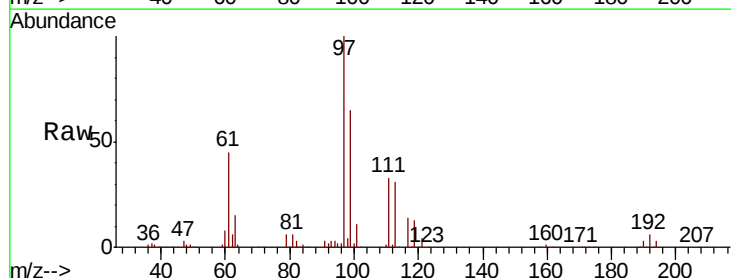
Tgt Ion: 97 Resp: 434381

Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.6

61 45.1 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 46.030 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

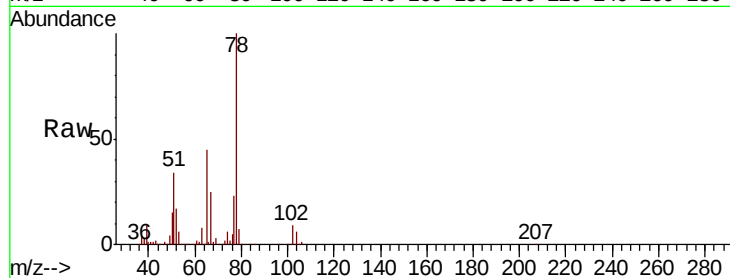
ClientSampleId :

Tot Ion: 65 Resp: 313027

Ion Ratio Lower Upper

65 100

67 54.3 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059144.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059144.D (-1845) (-)

8.00

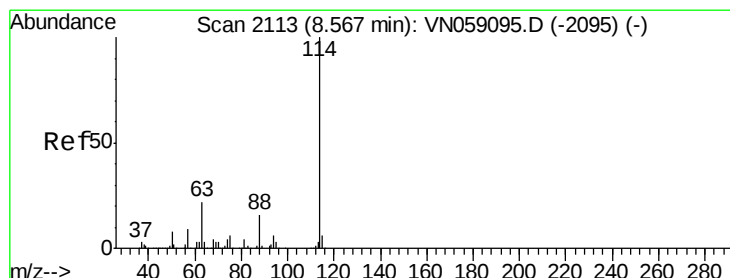
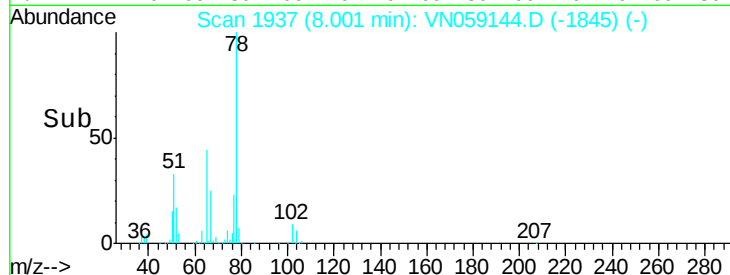
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

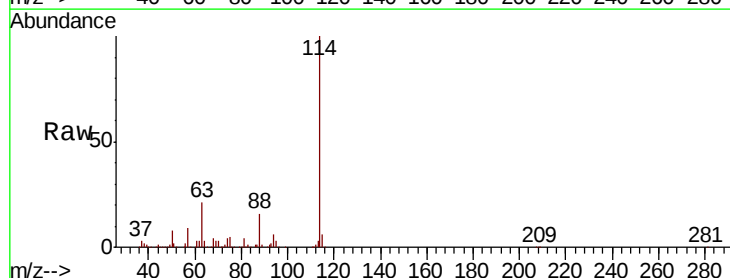
Tgt Ion: 114 Resp: 862701

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.4

88 16.2 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059144.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059144.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059144.D (-2020) (-)

8.56

500000

400000

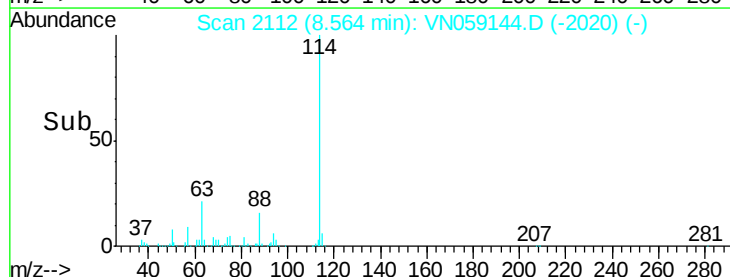
300000

200000

100000

0

Time-->

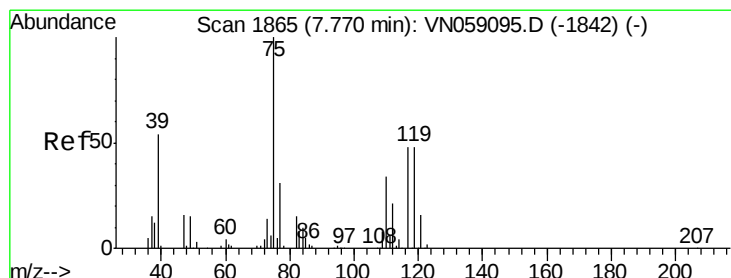
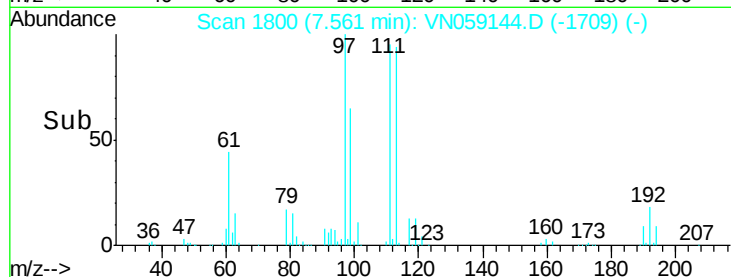
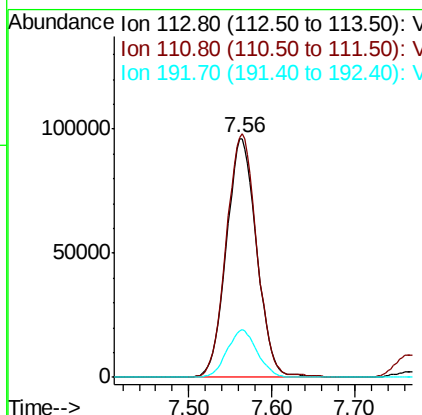
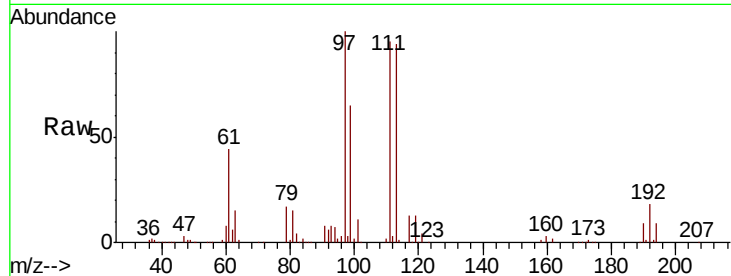




#35
 Dibromofluoromethane
 Concen: 47.430 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

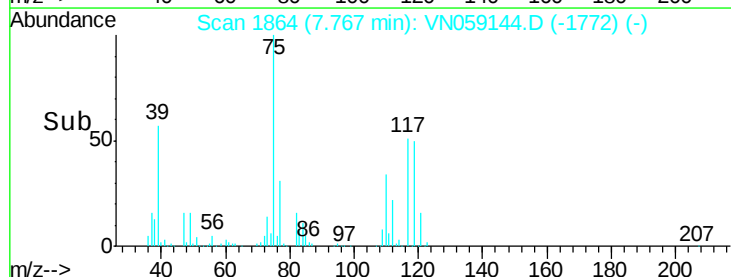
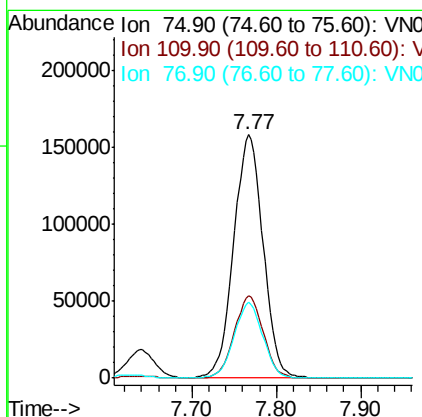
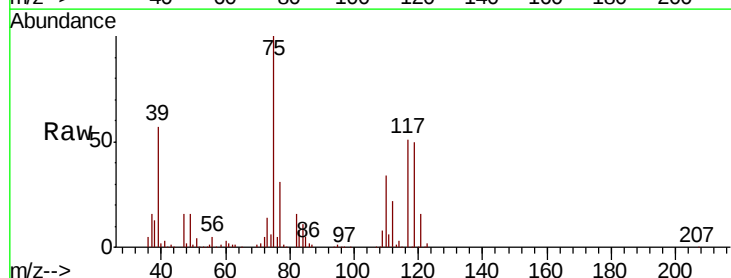
Instrument :
 MSVOA_N
 ClientSampled :

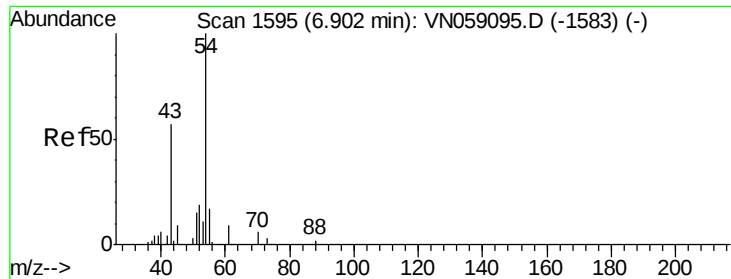
Tot Ion:113 Resp: 244318
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.8 124.2
 192 19.6 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 47.566 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Tgt Ion: 75 Resp: 383563
 Ion Ratio Lower Upper
 75 100
 110 33.3 17.1 51.2
 77 30.8 24.8 37.2

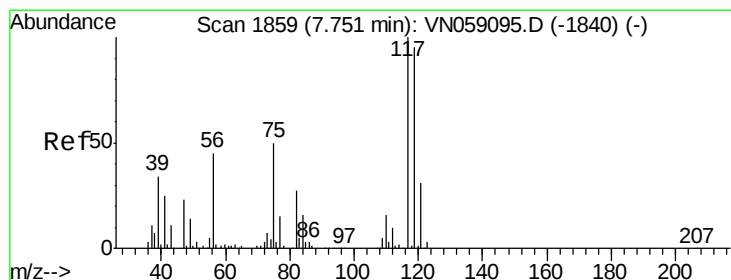
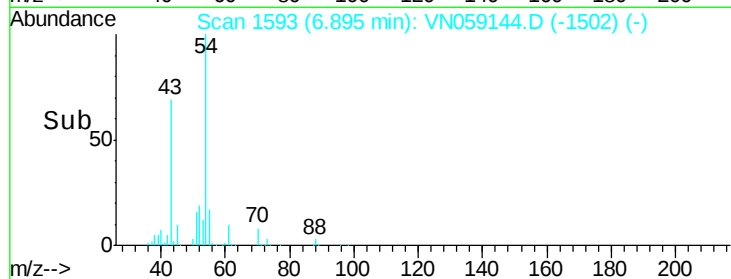
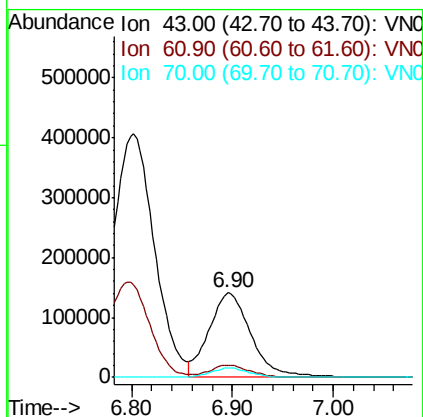
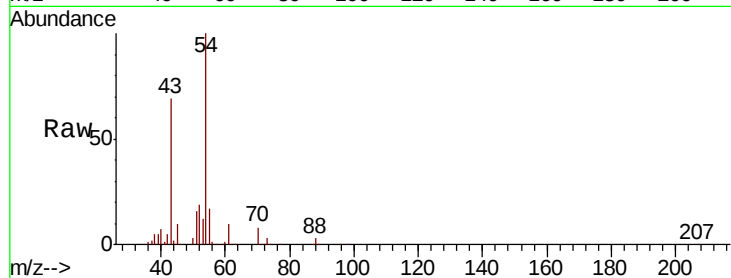




#37
Ethyl Acetate
Concen: 44.263 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.01 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

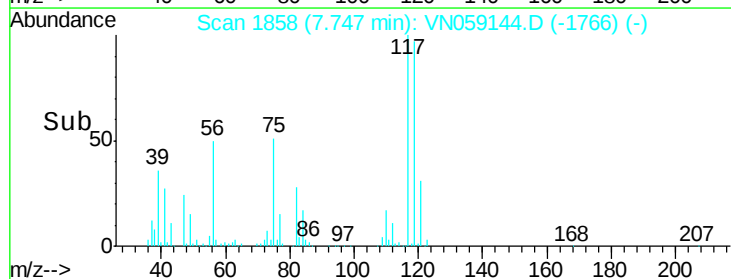
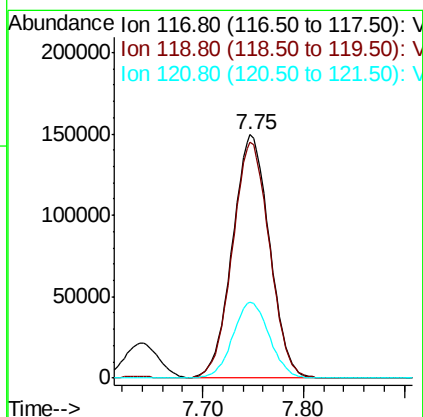
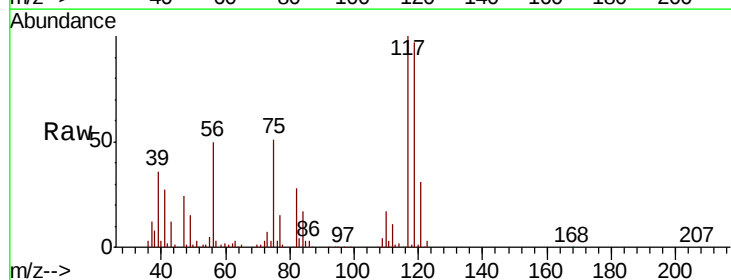
Instrument :
MSVOA_N
ClientSampled :

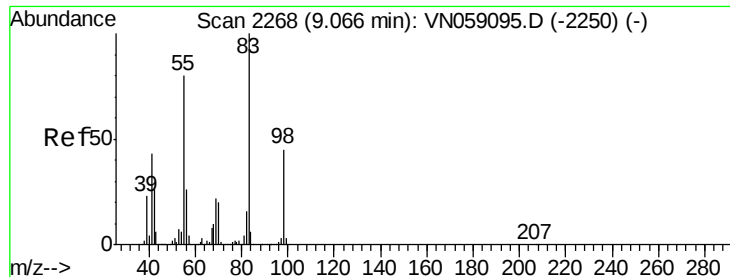
Tot Ion: 43 Resp: 397068
Ion Ratio Lower Upper
43 100
61 13.8 11.2 16.8
70 10.7 7.8 11.8



#38
Carbon Tetrachloride
Concen: 47.458 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion: 117 Resp: 380901
Ion Ratio Lower Upper
117 100
119 96.7 75.6 113.4
121 31.2 24.6 36.8

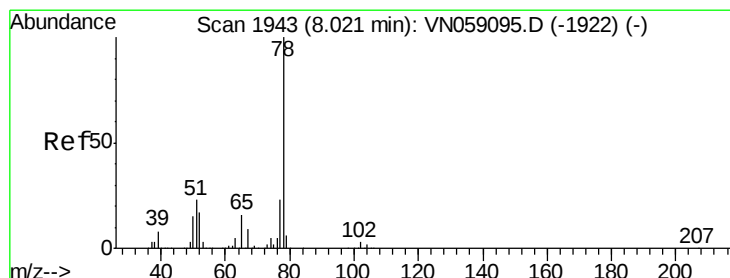
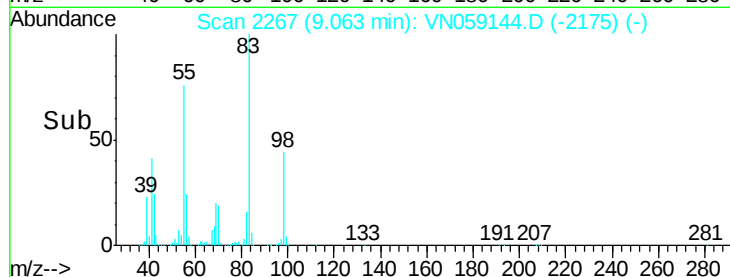
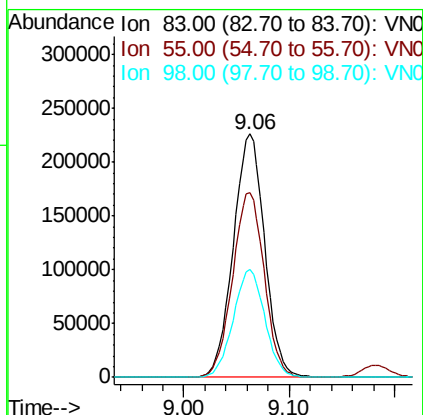
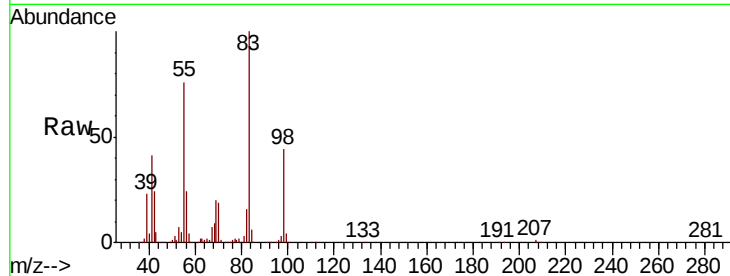




#39
Methvlcvclohexane
Concen: 49.792 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

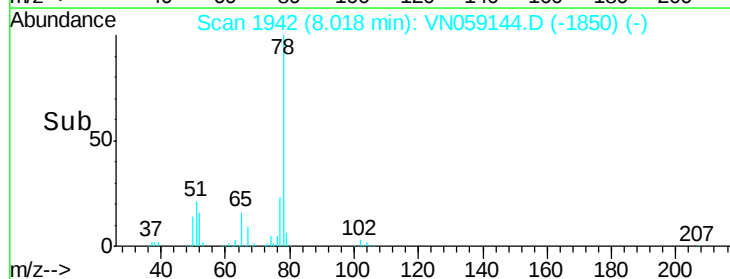
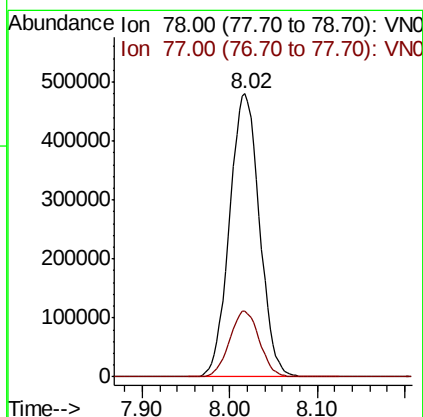
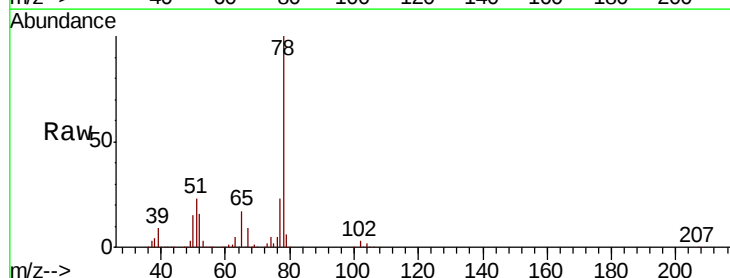
Instrument :
MSVOA_N
ClientSampled :

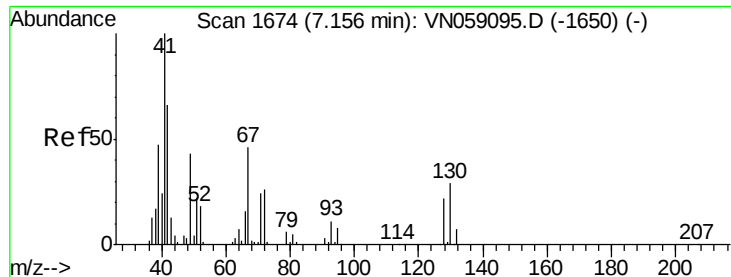
Tot Ion: 83 Resp: 465986
Ion Ratio Lower Upper
83 100
55 76.1 63.9 95.9
98 44.3 35.6 53.4



#40
Benzene
Concen: 46.971 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion: 78 Resp: 1140585
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

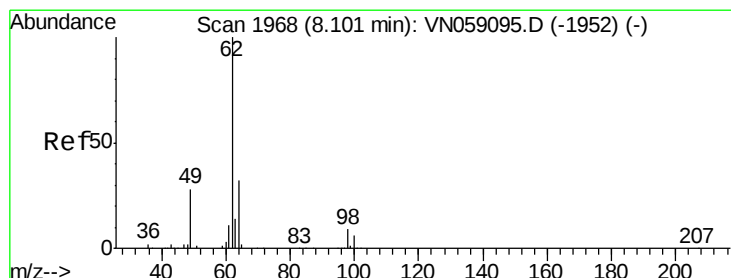
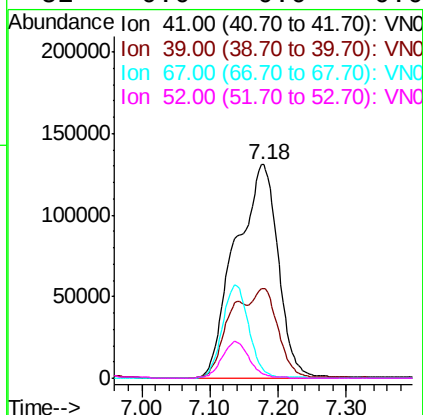
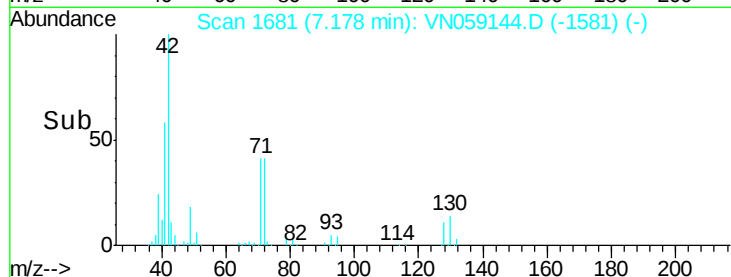
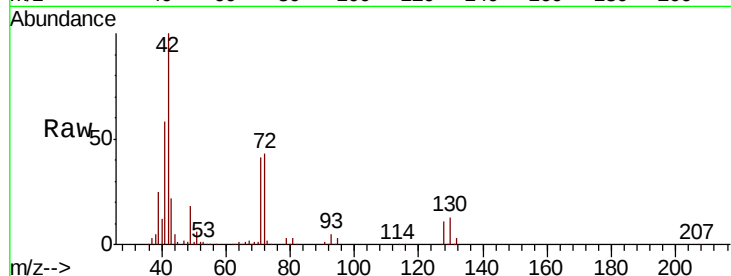




#41
Methacrylonitrile
Concen: 145.616 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.02 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

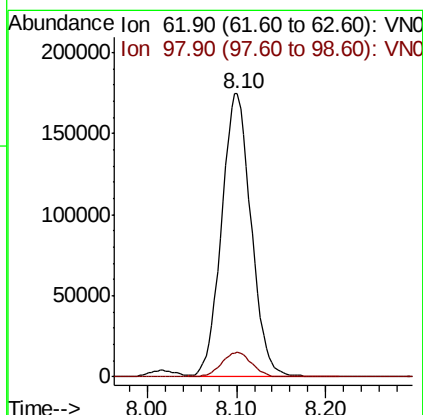
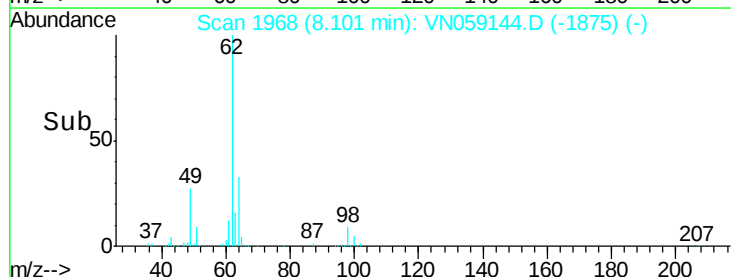
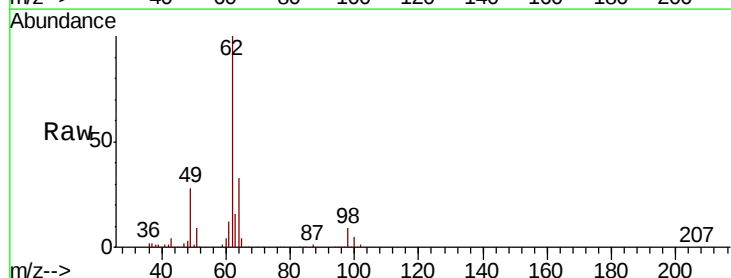
Instrument :
MSVOA_N
ClientSampleId :

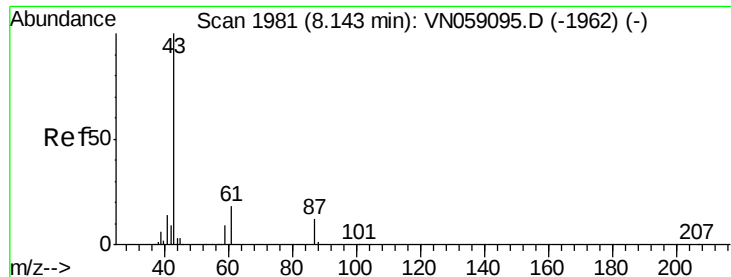
Tot Ion:	41	Resp:	568023
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 47.986 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion:	62	Resp:	399645
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8

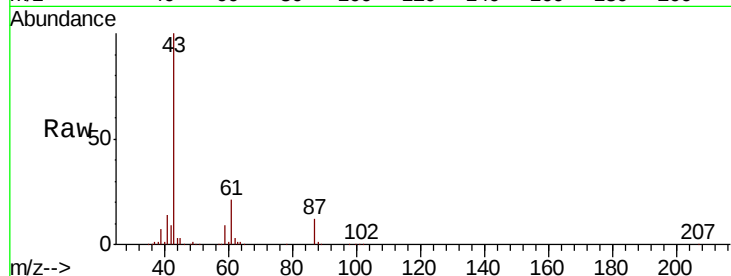




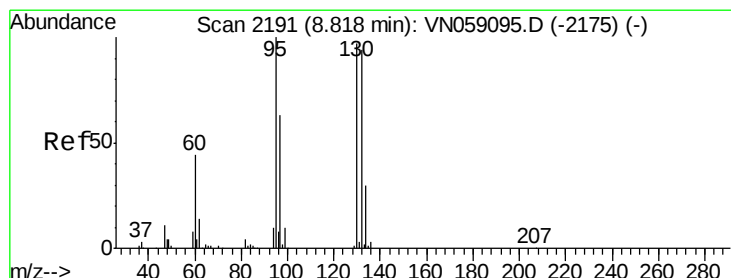
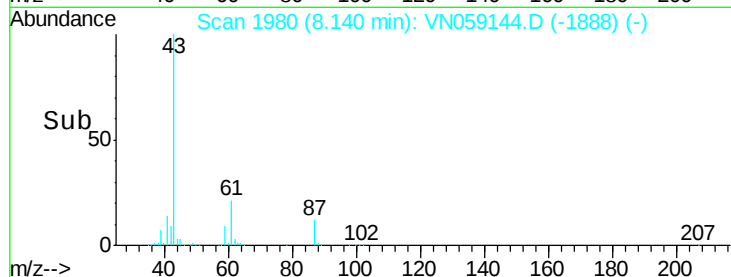
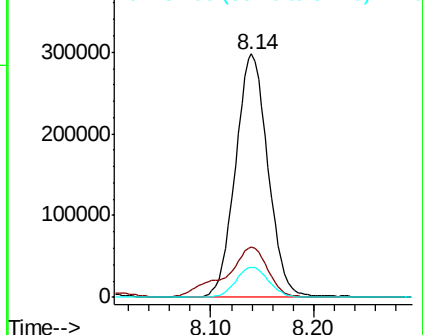
#43
Isopropyl Acetate
Concen: 45.390 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 649141
Ion Ratio Lower Upper
43 100
61 27.0 21.0 31.6
87 12.7 9.8 14.6

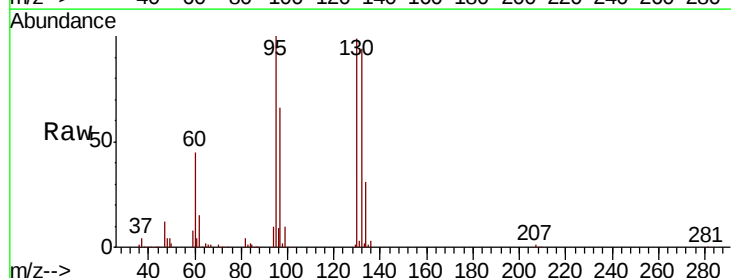


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

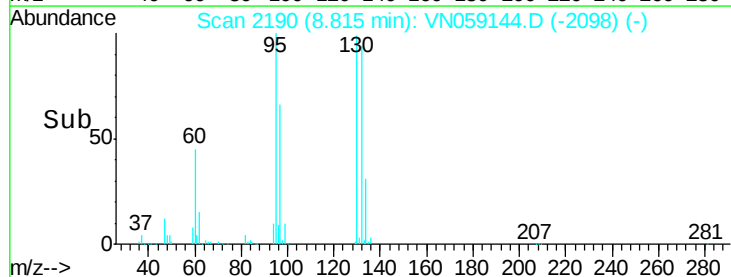
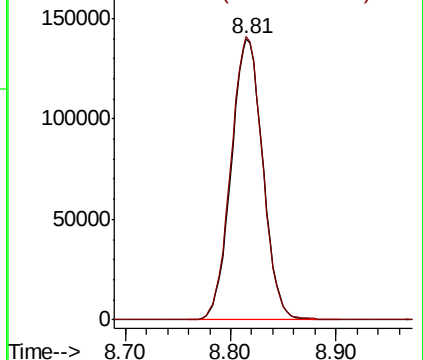


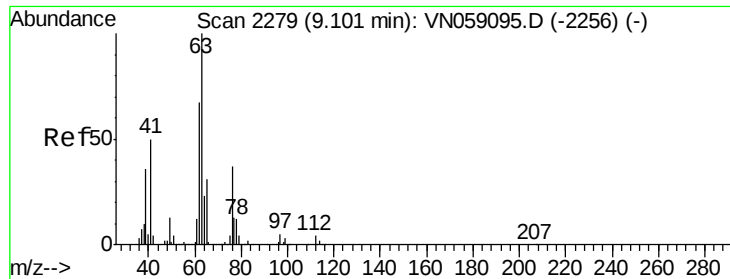
#44
Trichloroethene
Concen: 48.467 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion:130 Resp: 289307
Ion Ratio Lower Upper
130 100
95 100.8 0.0 206.4



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





#45

1,2-Dichloropropane

Concen: 46.967 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

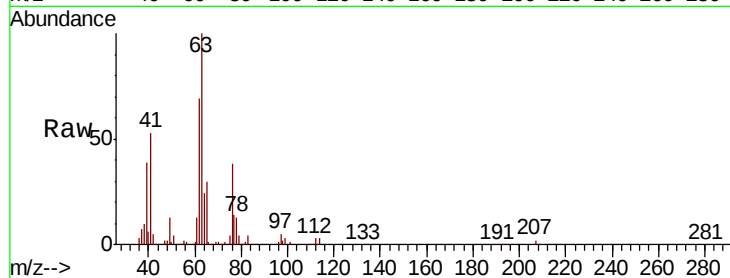
ClientSampleId :

Tot Ion: 63 Resp: 309779

Ion Ratio Lower Upper

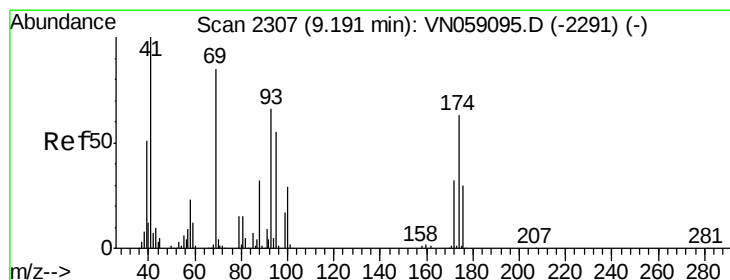
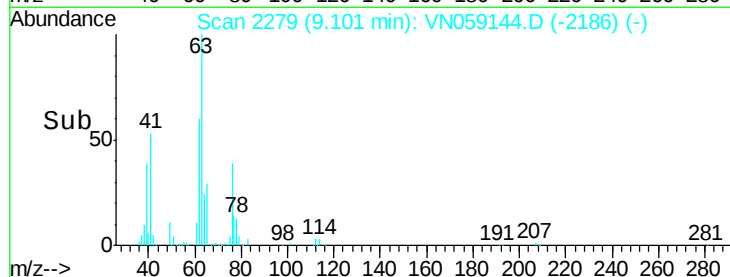
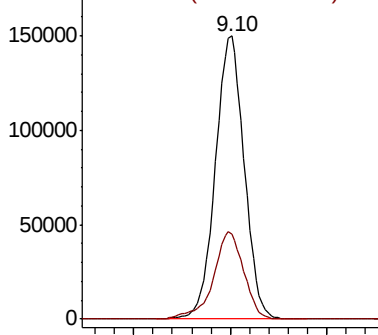
63 100

65 30.2 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 47.303 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

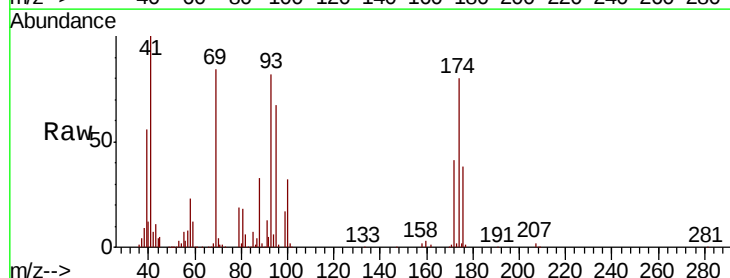
Tgt Ion: 93 Resp: 194417

Ion Ratio Lower Upper

93 100

95 82.7 66.6 100.0

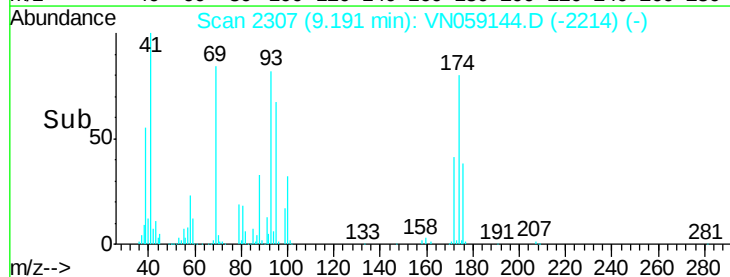
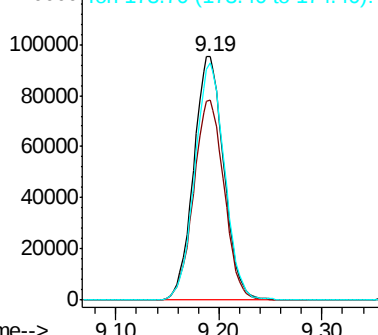
174 96.0 78.2 117.2

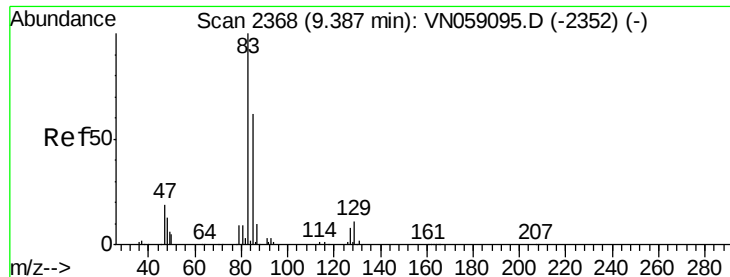


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 48.663 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampled :

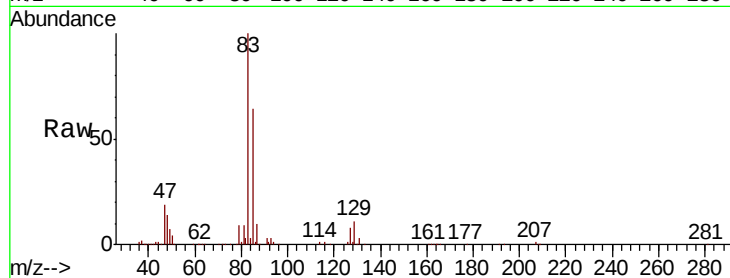
Tot Ion: 83 Resp: 399378

Ion Ratio Lower Upper

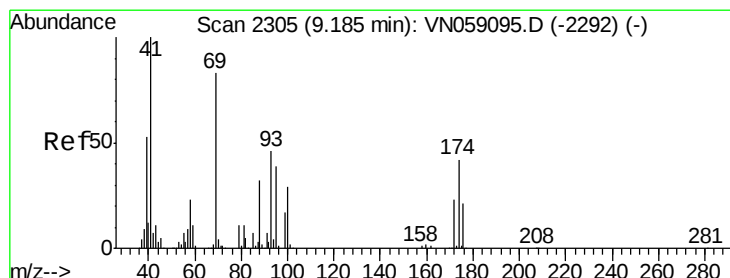
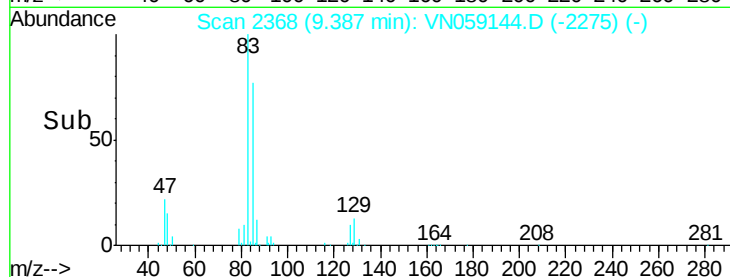
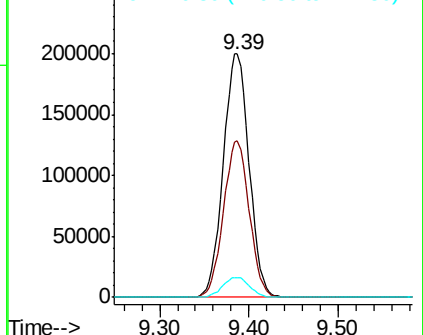
83 100

85 64.3 49.7 74.5

127 8.3 6.4 9.6



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



#48

Methyl methacrylate

Concen: 46.309 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

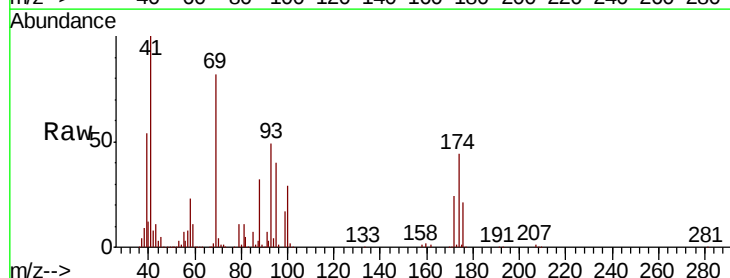
Tgt Ion: 41 Resp: 296241

Ion Ratio Lower Upper

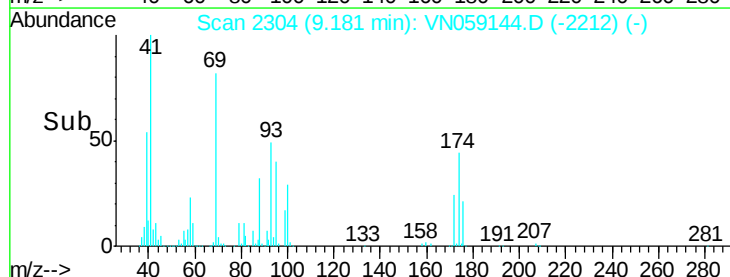
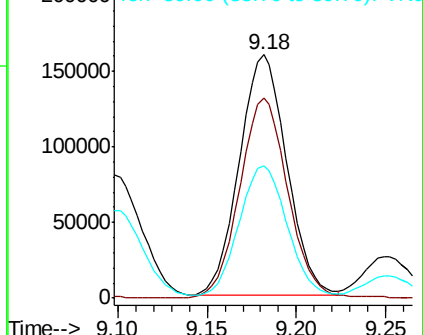
41 100

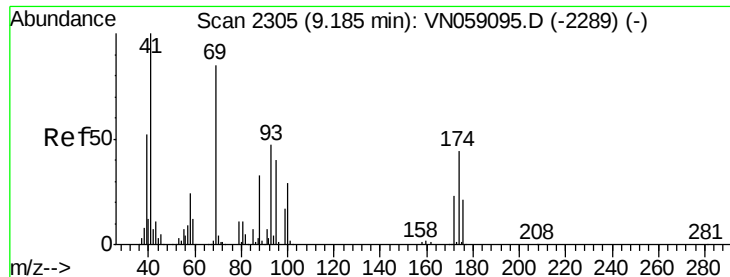
69 84.9 67.3 100.9

39 56.3 43.3 64.9



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

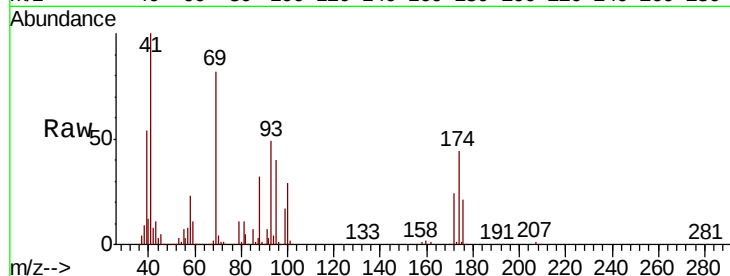




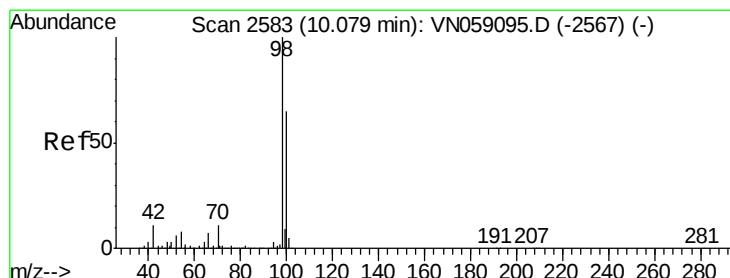
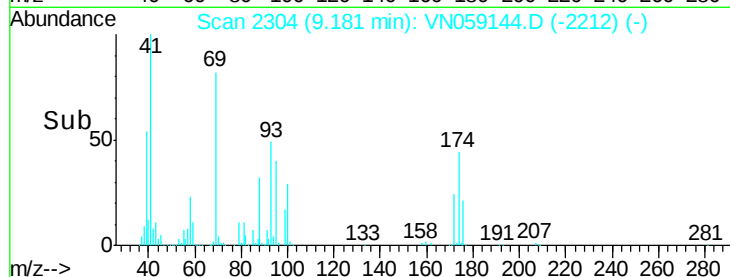
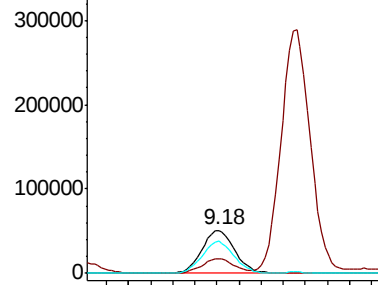
#49
1,4-Dioxane
Concen: 927.884 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 105486
Ion Ratio Lower Upper
88 100
43 33.0 26.3 39.5
58 72.5 60.6 90.8

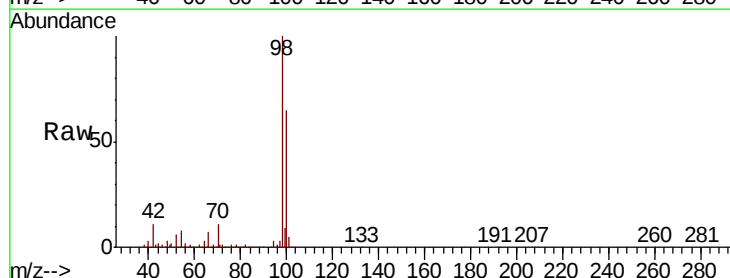


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

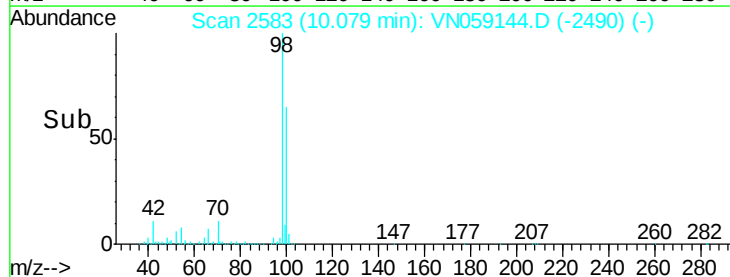
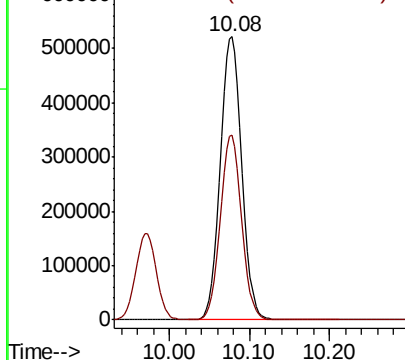


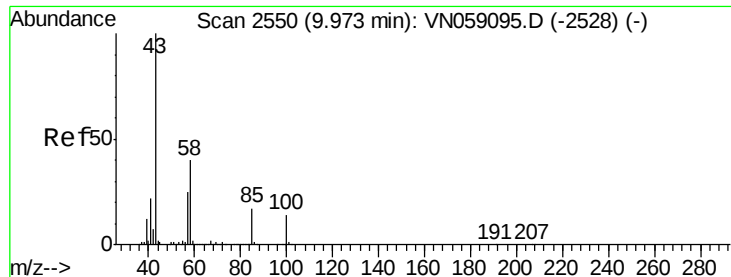
#50
Toluene-d8
Concen: 47.708 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion: 98 Resp: 967998
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 245.256 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

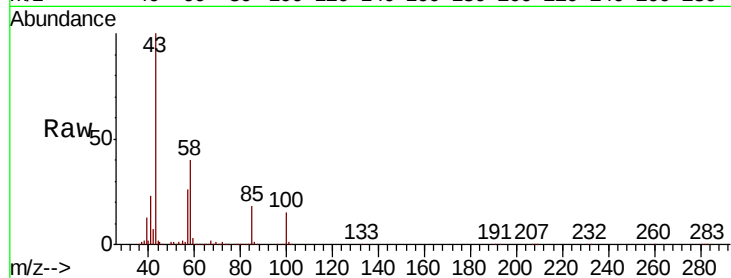
ClientSampled :

Tot Ion: 43 Resp: 1984650

Ion Ratio Lower Upper

43 100

58 39.6 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-2528) (-)

1200000

1000000

800000

600000

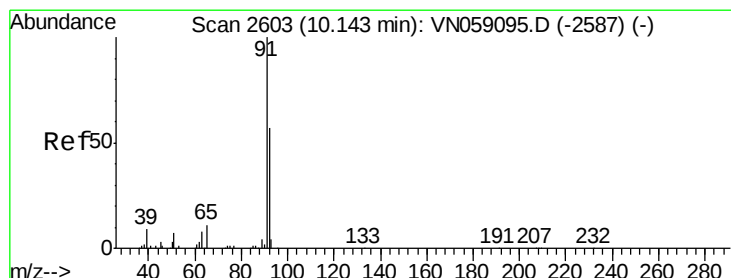
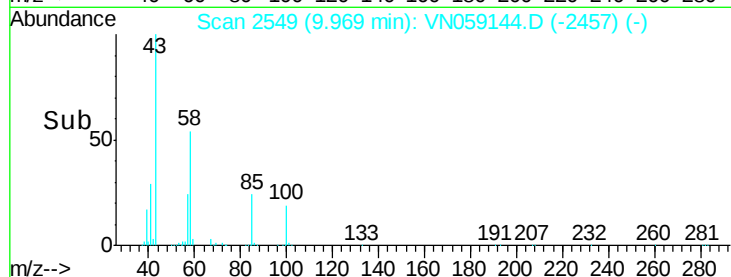
400000

200000

0

9.90 9.97 10.00

Time-->



#52

Toluene

Concen: 48.683 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059144.D

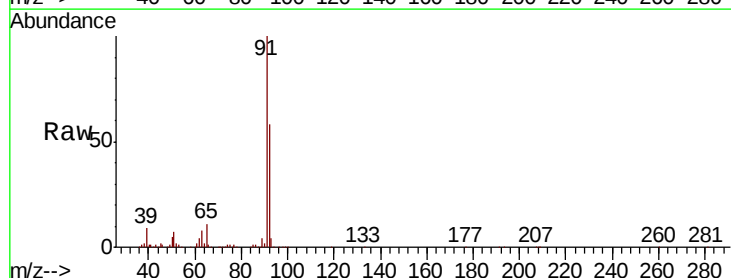
Acq: 11 Nov 2019 8:50

Tgt Ion: 92 Resp: 708543

Ion Ratio Lower Upper

92 100

91 173.8 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-2587) (-)

800000

600000

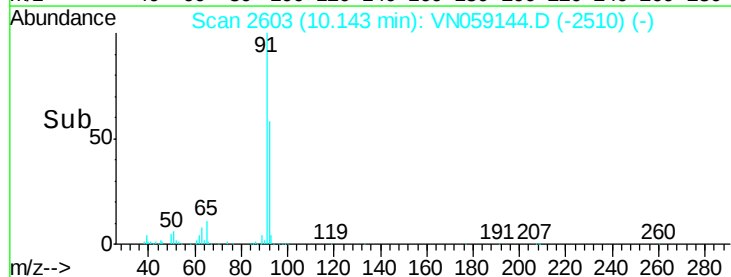
400000

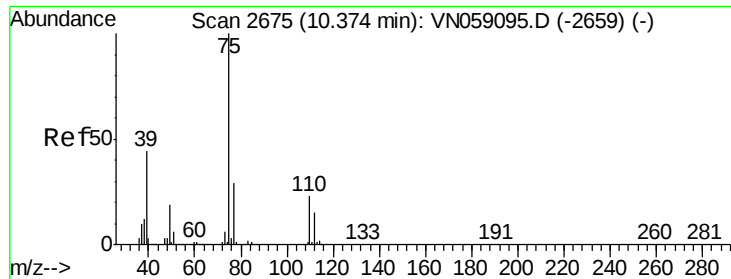
200000

0

10.10 10.14 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.982 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

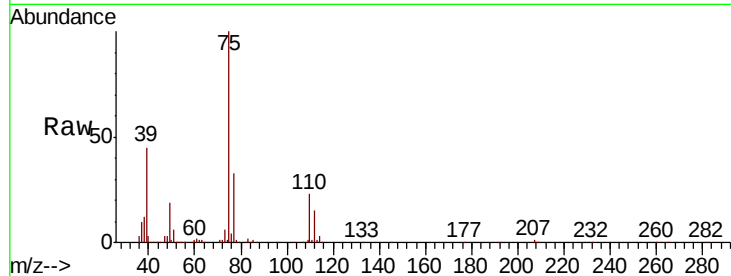
ClientSampleId :

Tot Ion: 75 Resp: 473923

Ion Ratio Lower Upper

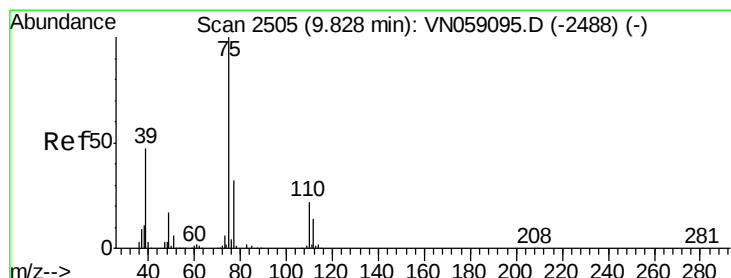
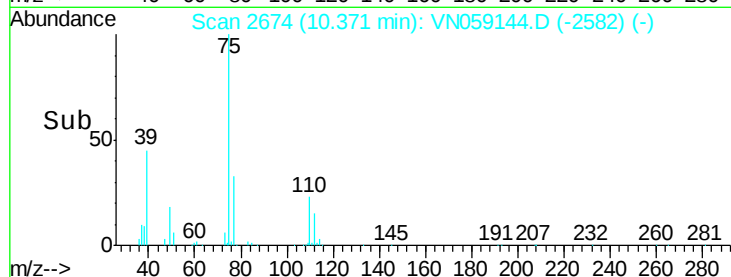
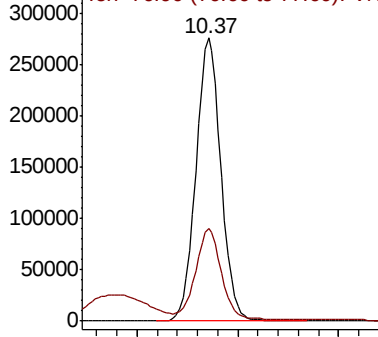
75 100

77 32.1 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 49.418 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

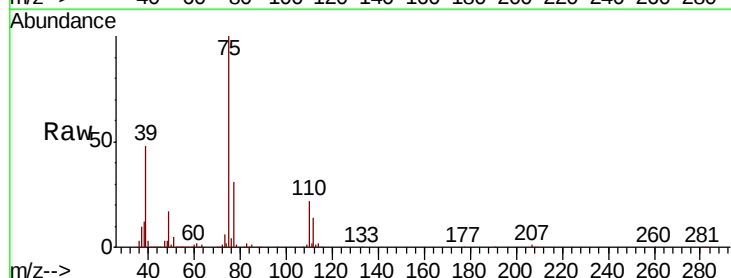
Tgt Ion: 75 Resp: 504041

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

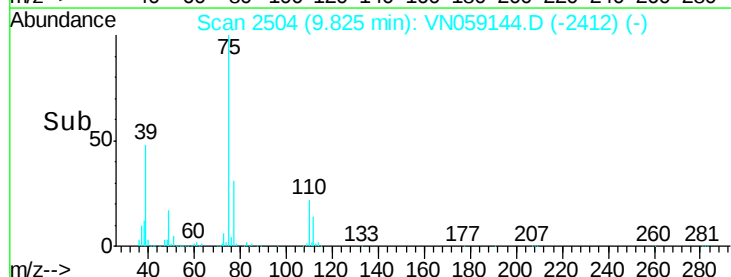
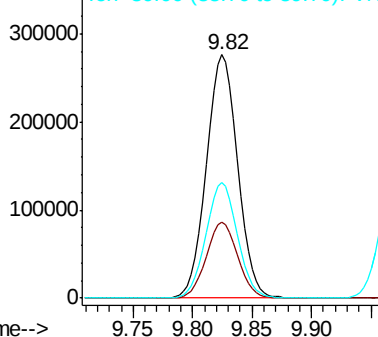
39 47.6 37.3 55.9

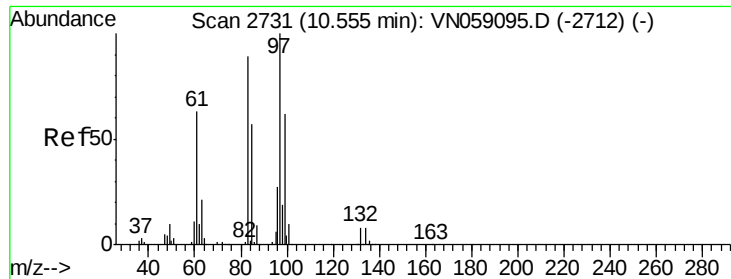


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

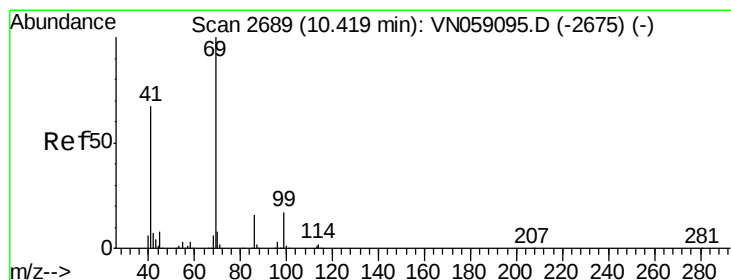
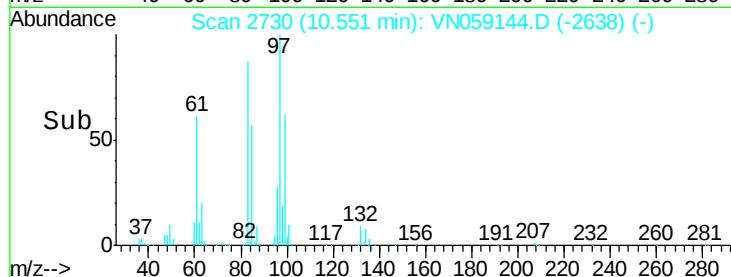
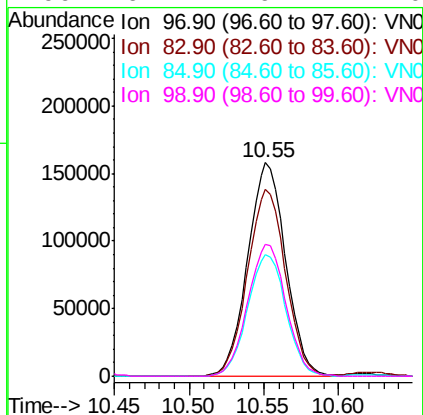
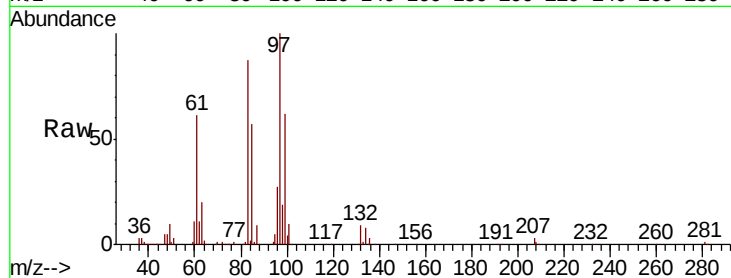




#55
 1,1,2-Trichloroethane
 Concen: 47.072 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

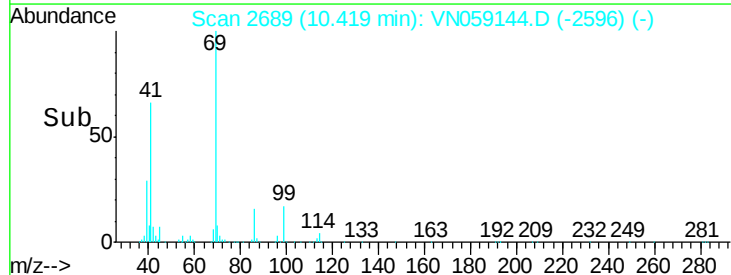
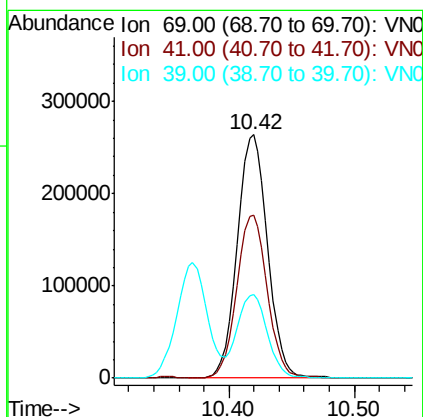
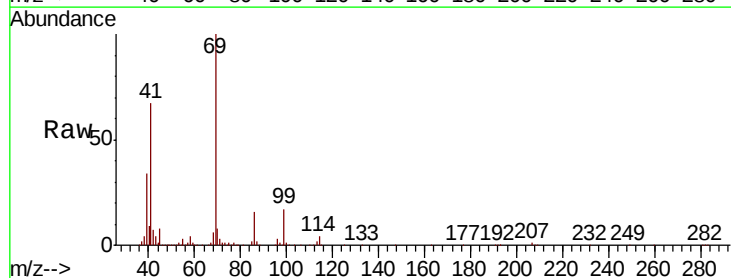
Instrument :
 MSVOA_N
 ClientSampleId :

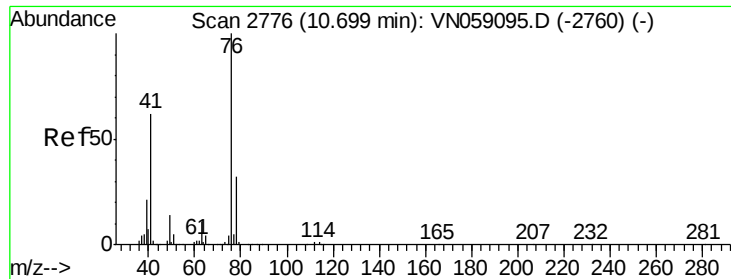
Tot Ion:	97	Resp:	277268
Ion	Ratio	Lower	Upper
97	100		
83	87.5	71.0	106.4
85	57.1	45.8	68.8
99	62.1	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 45.344 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Tgt Ion:	69	Resp:	443694
Ion	Ratio	Lower	Upper
69	100		
41	66.7	53.6	80.4
39	33.9	26.2	39.4

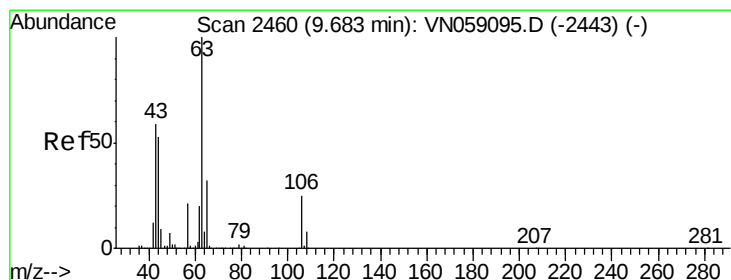
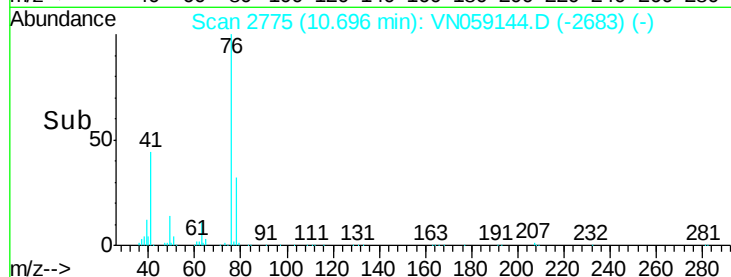
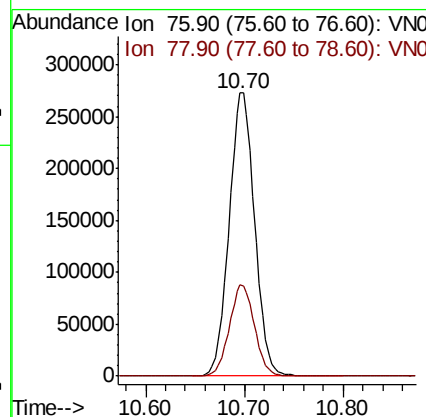
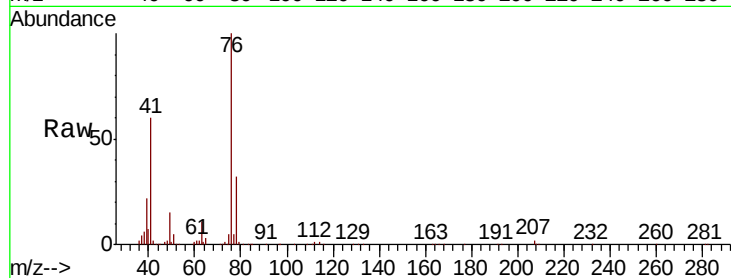




#57
 1,3-Dichloropropane
 Concen: 48.619 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

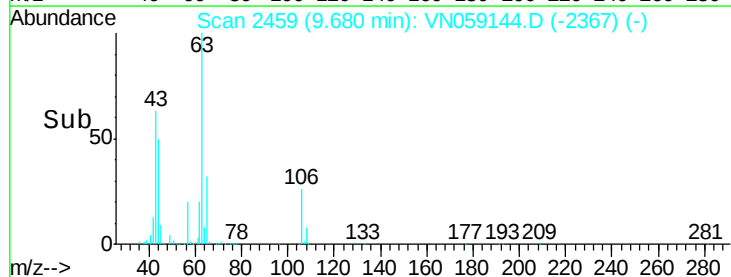
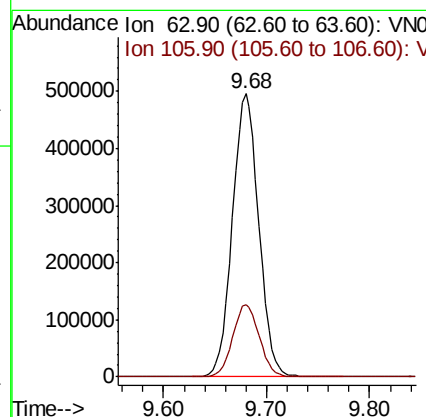
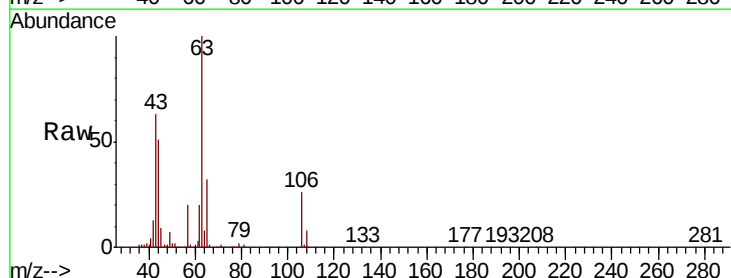
Instrument :
 MSVOA_N
 ClientSampled :

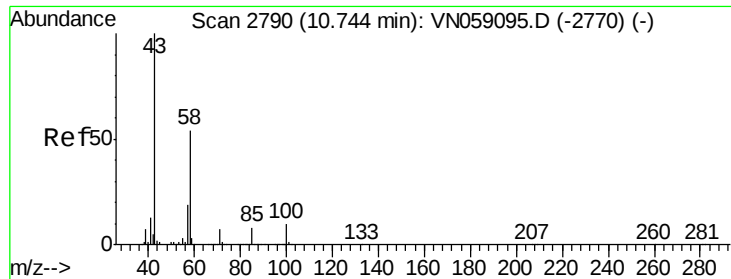
Tot Ion: 76 Resp: 492885
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.075 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Tgt Ion: 63 Resp: 882054
 Ion Ratio Lower Upper
 63 100
 106 25.8 20.2 30.2

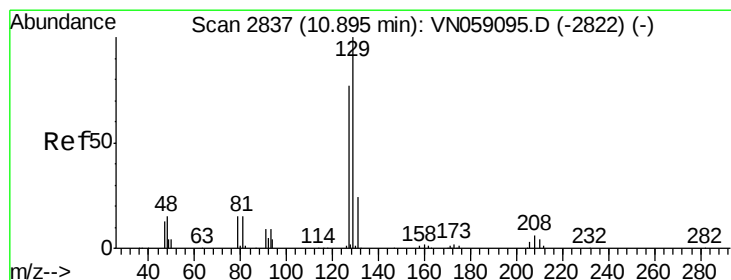
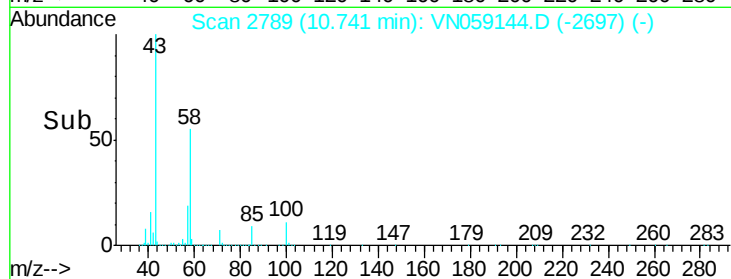
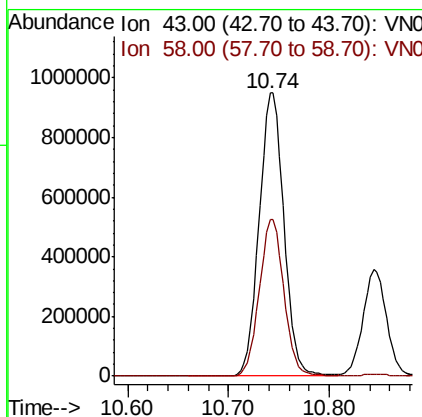
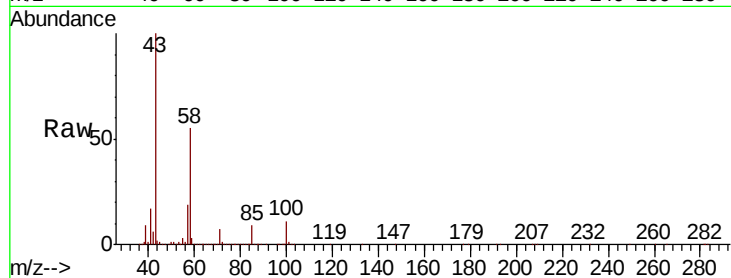




#59
2-Hexanone
Concen: 260.703 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

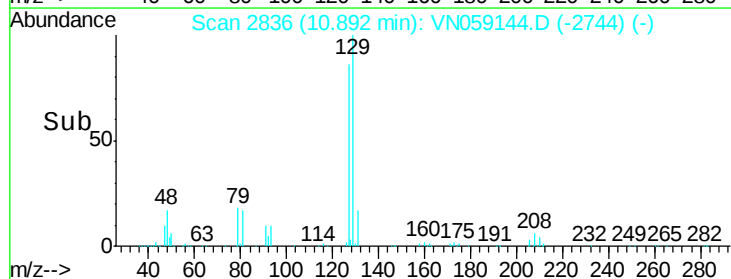
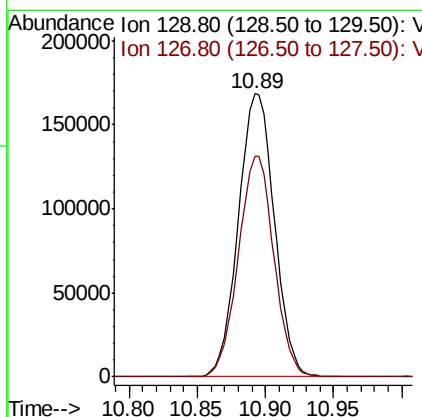
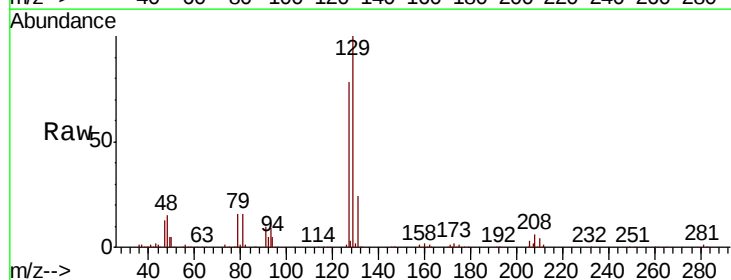
Instrument :
MSVOA_N
ClientSampled :

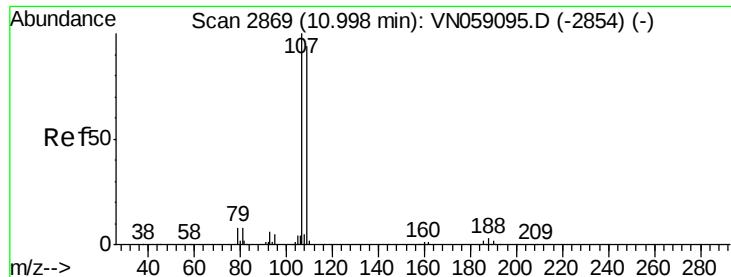
Tot Ion: 43 Resp: 1619253
Ion Ratio Lower Upper
43 100
58 55.0 27.3 81.8



#60
Dibromochloromethane
Concen: 49.656 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion: 129 Resp: 309243
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8

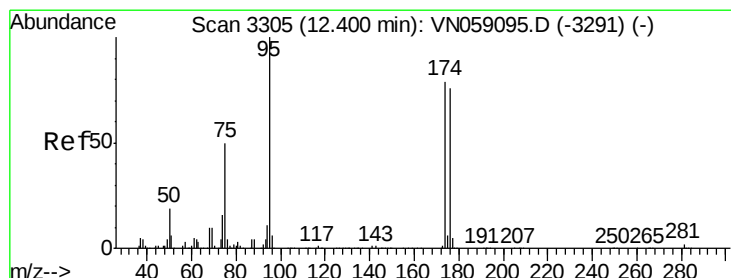
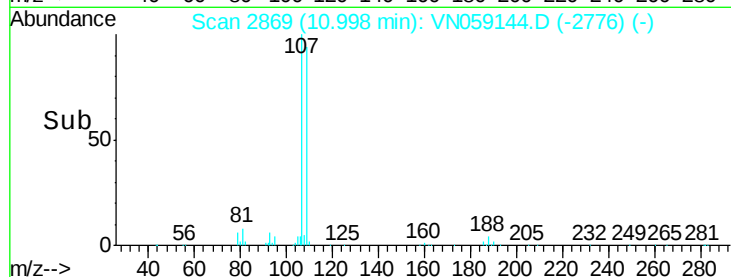
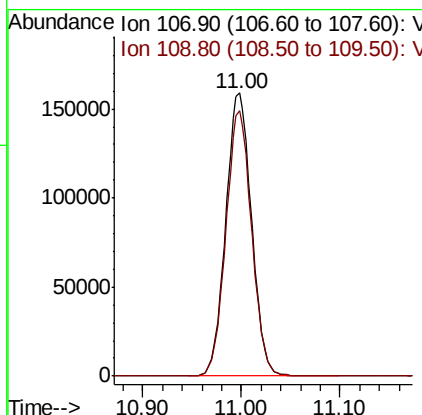
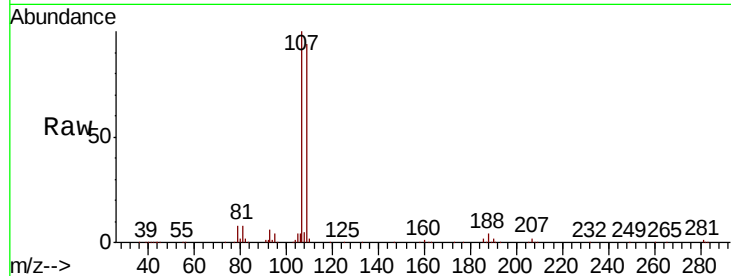




#61
 1,2-Dibromoethane
 Concen: 48.734 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

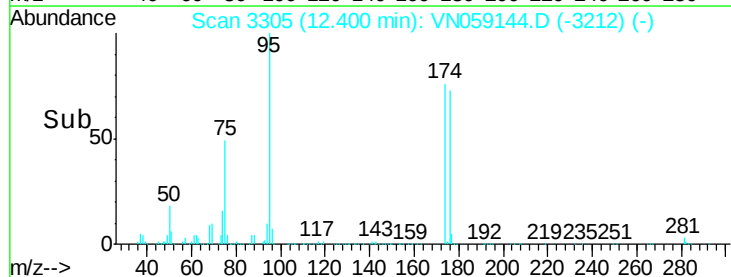
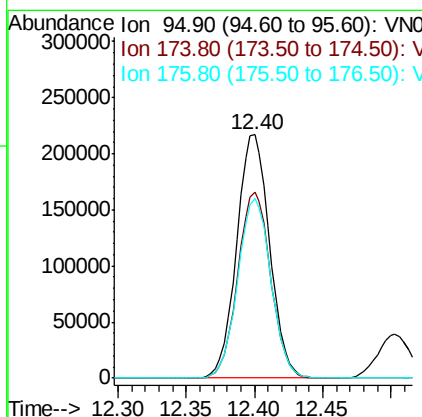
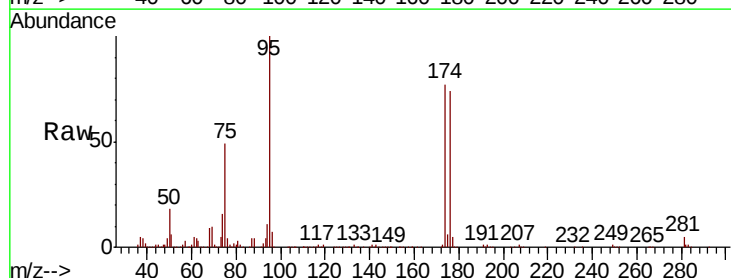
Instrument :
 MSVOA_N
 ClientSampleId :

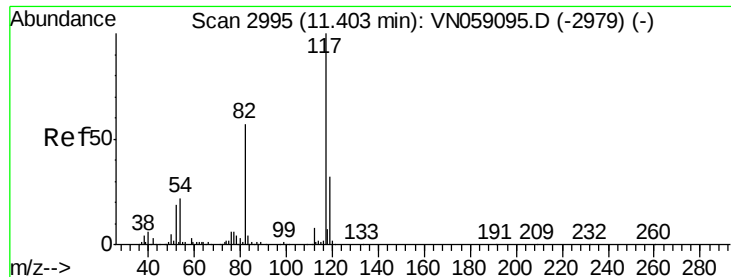
Tot Ion: 107 Resp: 290590
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 49.747 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Tgt Ion: 95 Resp: 363941
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 158.2
 176 74.4 0.0 151.8

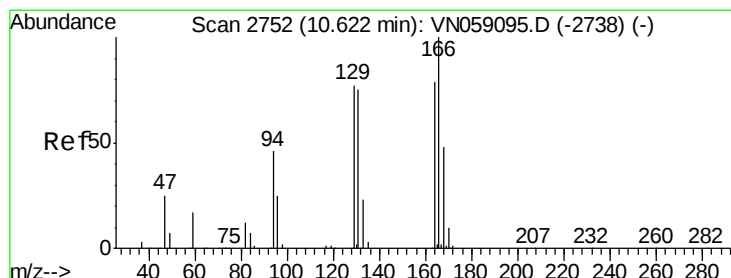
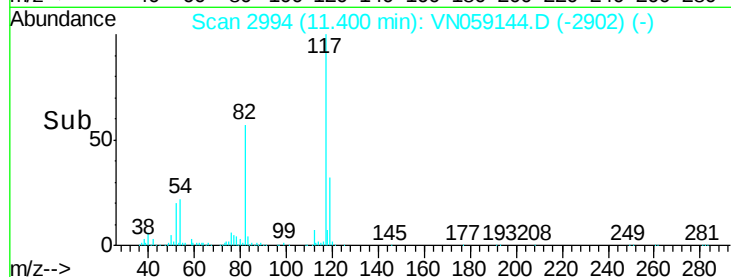
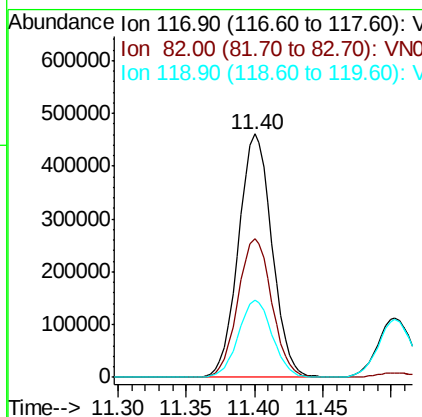
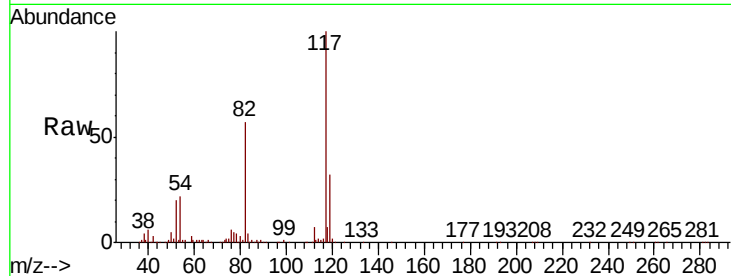




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

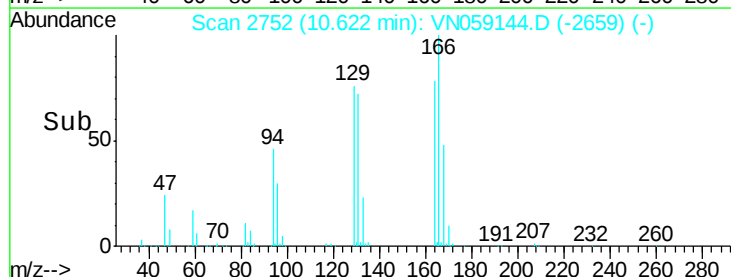
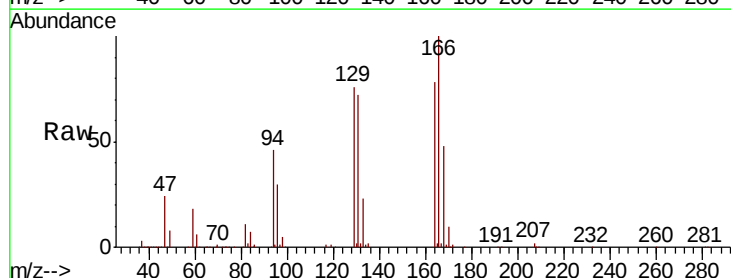
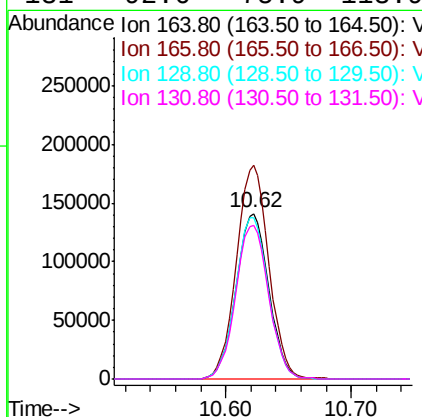
Instrument :
MSVOA_N
ClientSampleId :

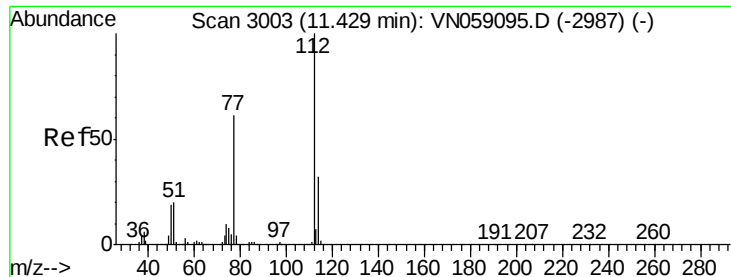
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.8	68.8
119	31.7	25.8	38.6



#64
Tetrachloroethene
Concen: 47.585 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.5	152.3
129	97.5	78.3	117.5
131	92.6	75.9	113.9

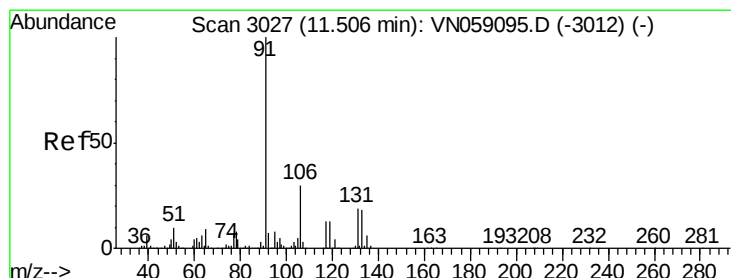
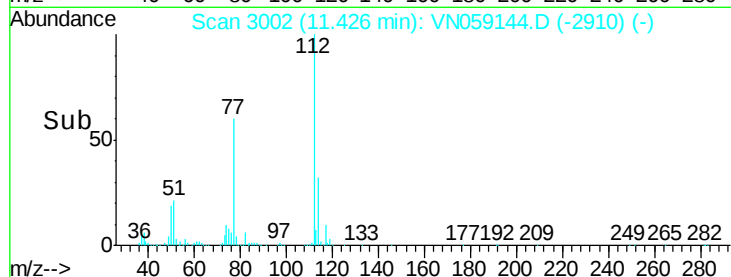
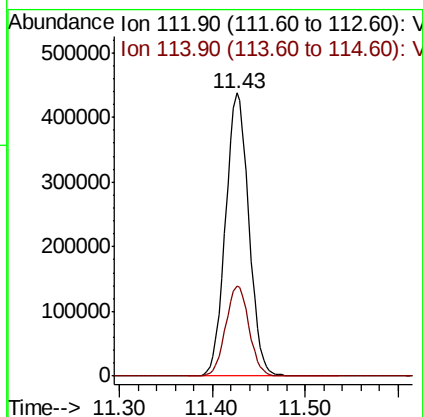
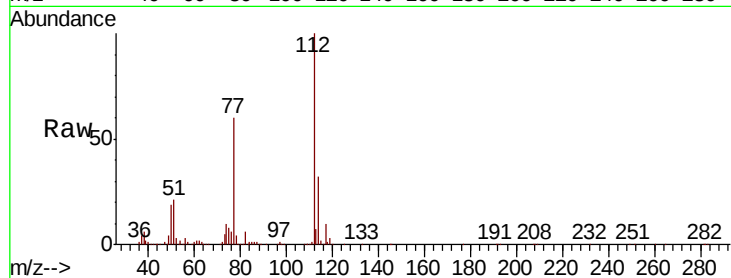




#65
Chlorobenzene
Concen: 49.514 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

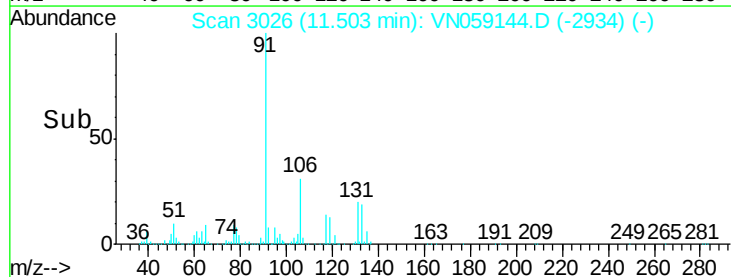
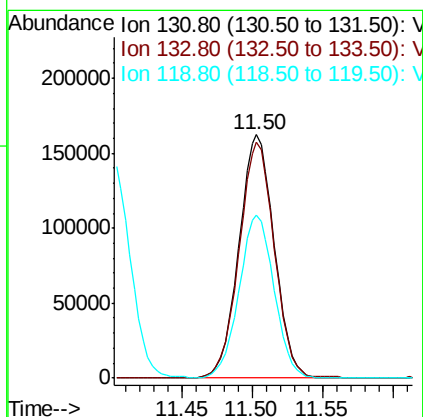
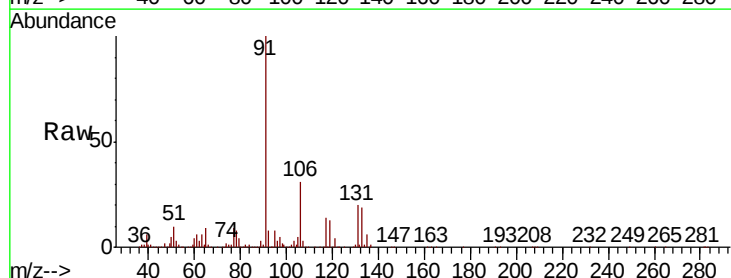
Instrument :
MSVOA_N
ClientSampleId :

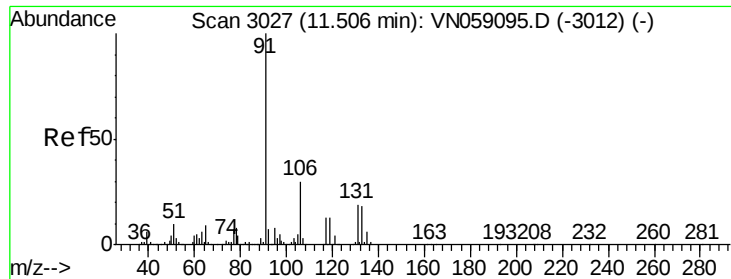
Tot Ion:112 Resp: 761558
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.148 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion:131 Resp: 283566
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.3
119 66.4 33.2 99.6





#67

Ethyl Benzene

Concen: 50.842 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

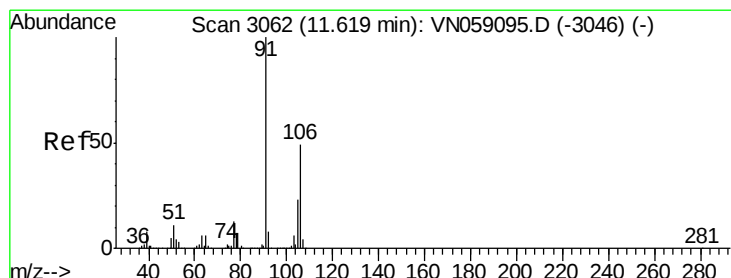
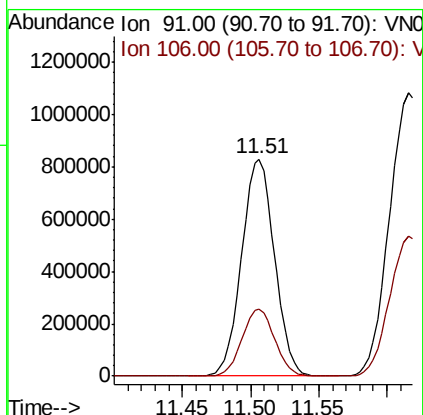
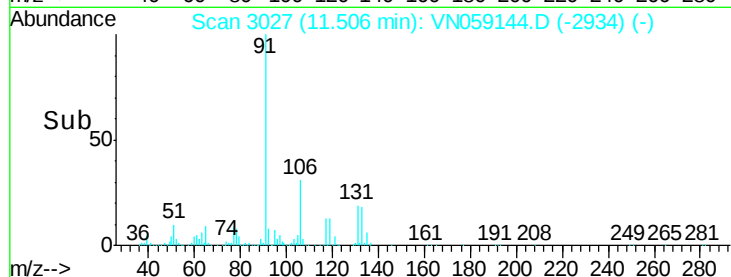
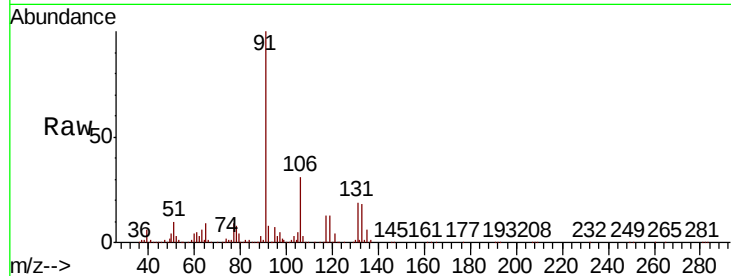
ClientSampled :

Tot Ion: 91 Resp: 1387415

Ion Ratio Lower Upper

91 100

106 30.9 24.1 36.1



#68

m/p-Xylenes

Concen: 101.781 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059144.D

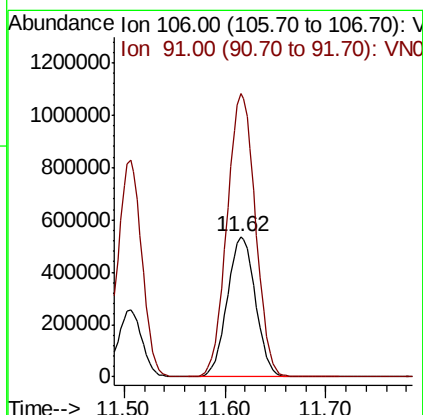
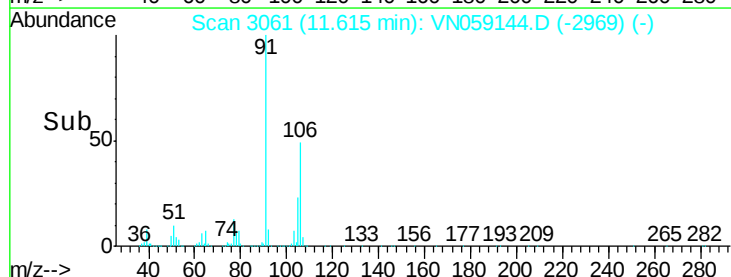
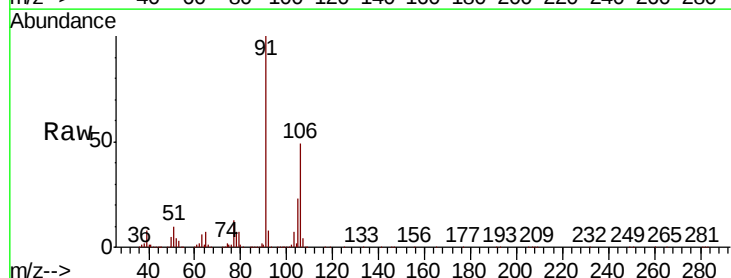
Acq: 11 Nov 2019 8:50

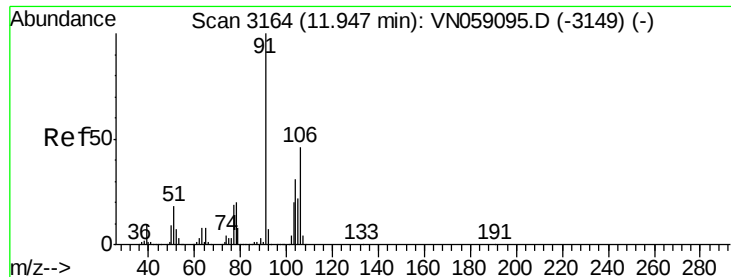
Tgt Ion: 106 Resp: 1040416

Ion Ratio Lower Upper

106 100

91 204.0 164.7 247.1

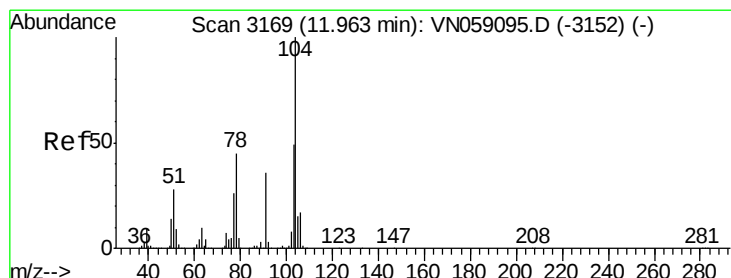
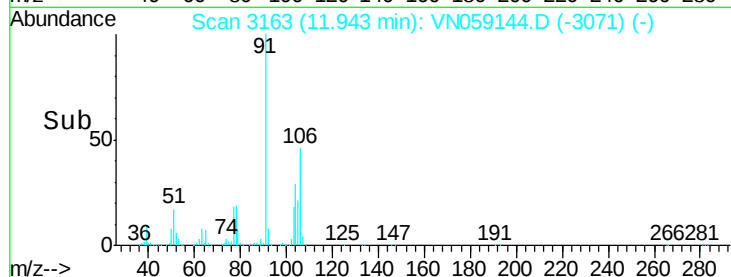
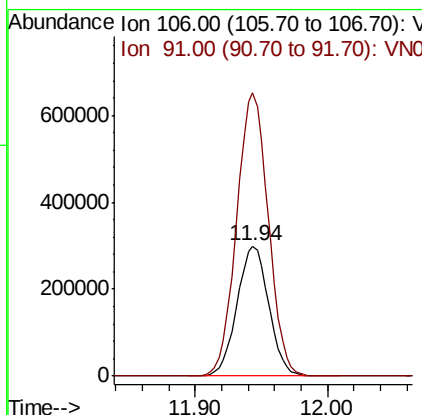
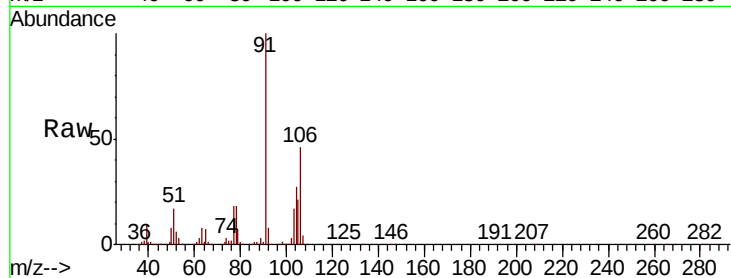




#69
o-Xylene
Concen: 50.309 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

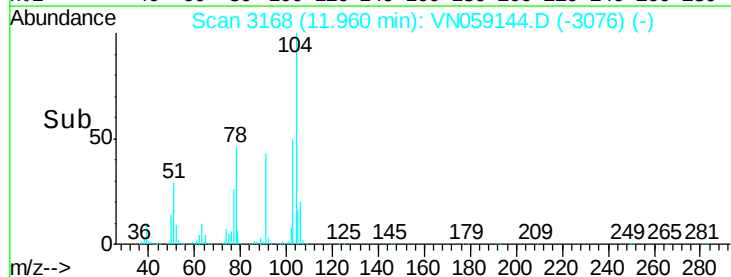
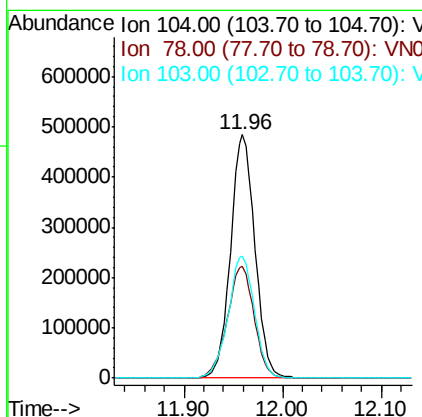
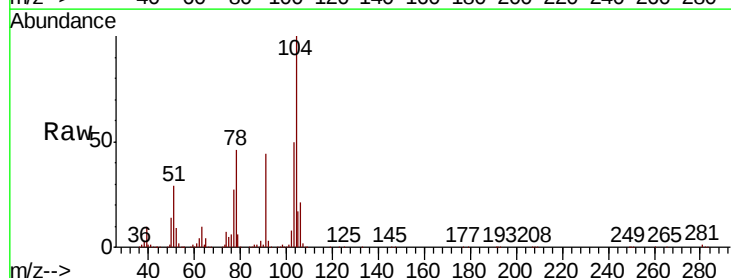
Instrument :
MSVOA_N
ClientSampleId :

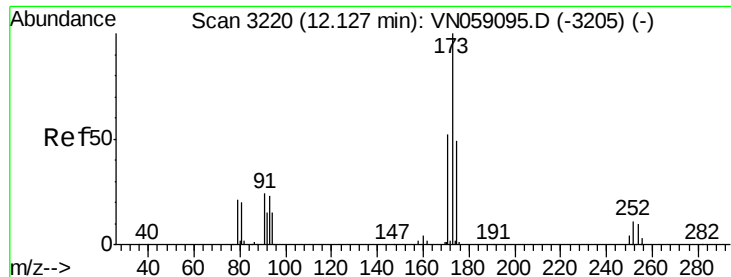
Tot Ion:106 Resp: 496984
Ion Ratio Lower Upper
106 100
91 217.4 110.1 330.3



#70
Styrene
Concen: 53.732 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059144.D
Acq: 11 Nov 2019 8:50

Tgt Ion:104 Resp: 834800
Ion Ratio Lower Upper
104 100
78 50.8 41.2 61.8
103 54.4 43.8 65.6





#71

Bromoform

Concen: 49.303 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

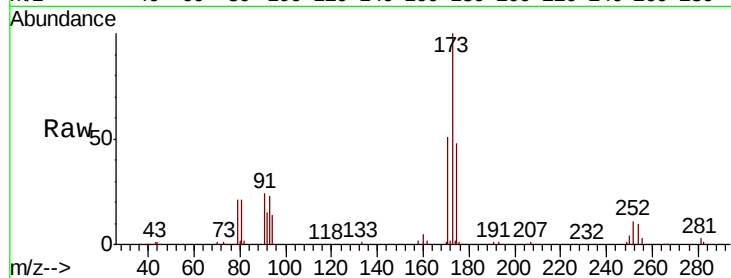
Tot Ion:173 Resp: 221266

Ion Ratio Lower Upper

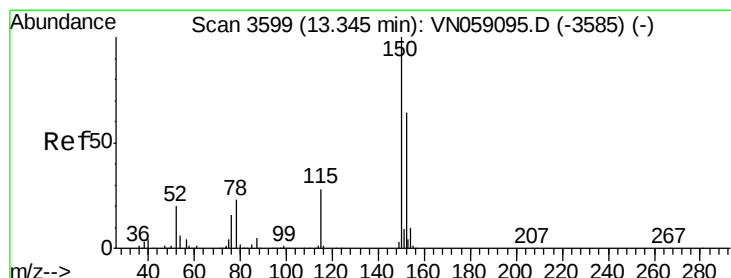
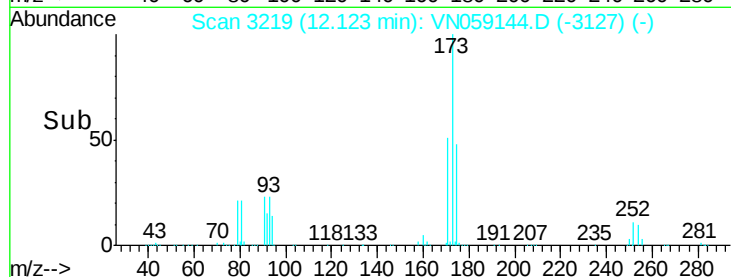
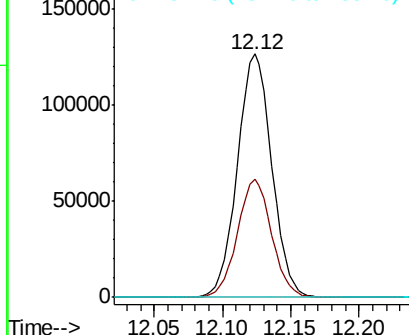
173 100

175 48.1 24.2 72.6

254 0.0 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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

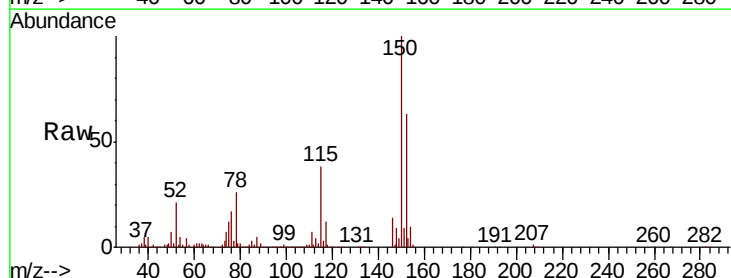
Tgt Ion:152 Resp: 378927

Ion Ratio Lower Upper

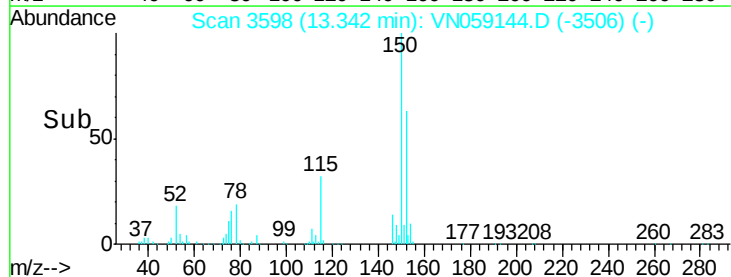
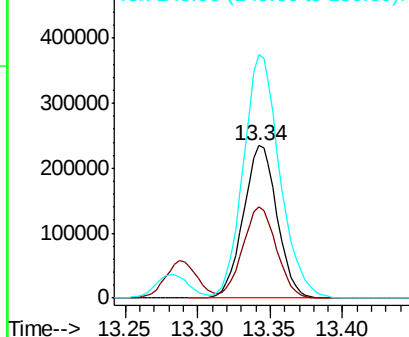
152 100

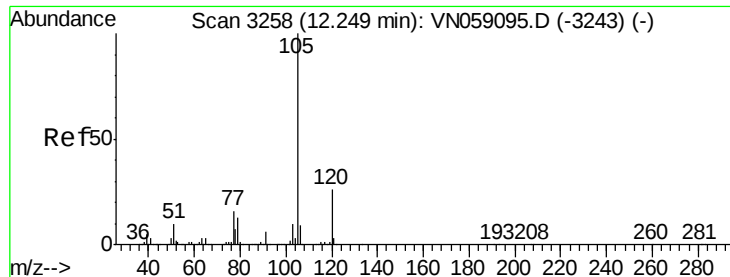
115 59.7 29.4 88.2

150 173.1 0.0 345.8



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





#73

Isopropylbenzene

Concen: 49.469 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

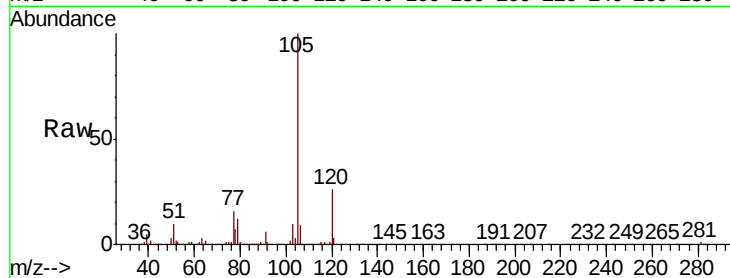
ClientSampleId :

Tot Ion:105 Resp: 1363538

Ion Ratio Lower Upper

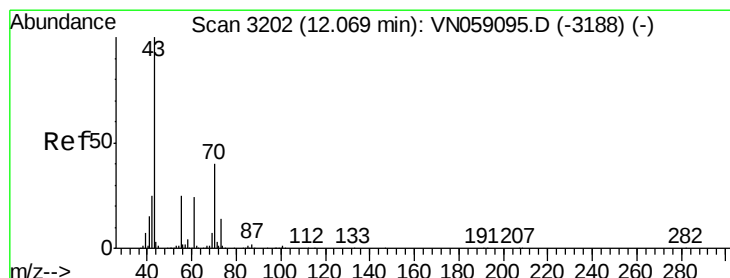
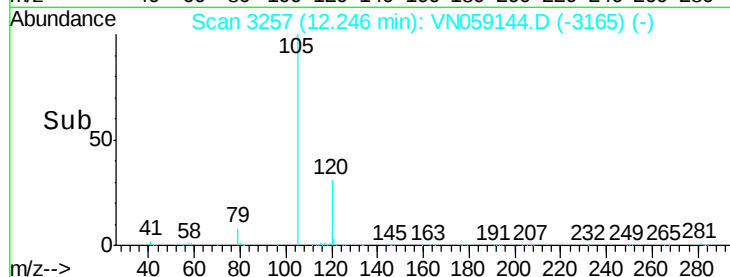
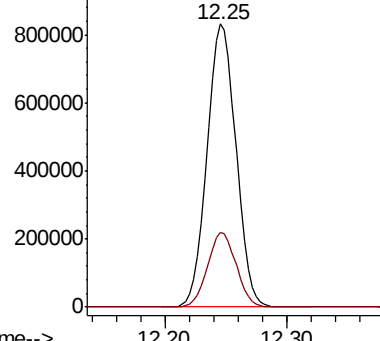
105 100

120 26.1 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.055 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Tgt Ion: 43 Resp: 561262

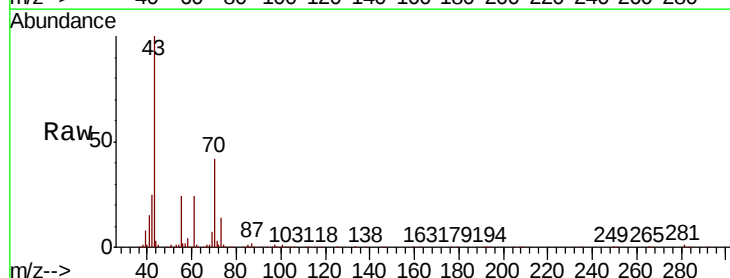
Ion Ratio Lower Upper

43 100

70 42.5 32.2 48.4

55 25.0 20.4 30.6

61 24.4 19.3 28.9

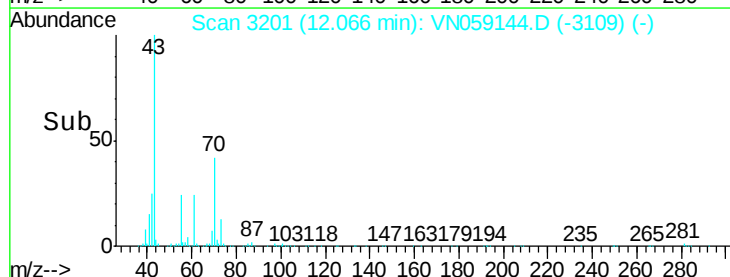
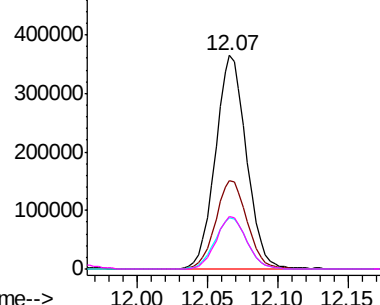


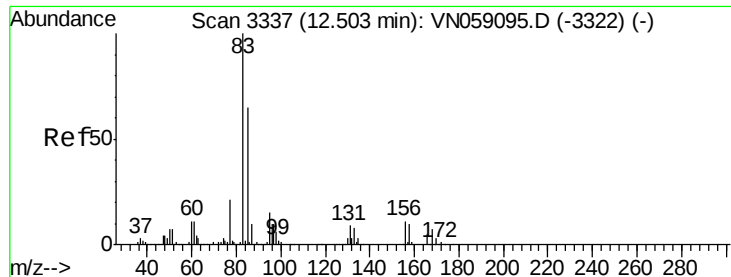
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.934 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

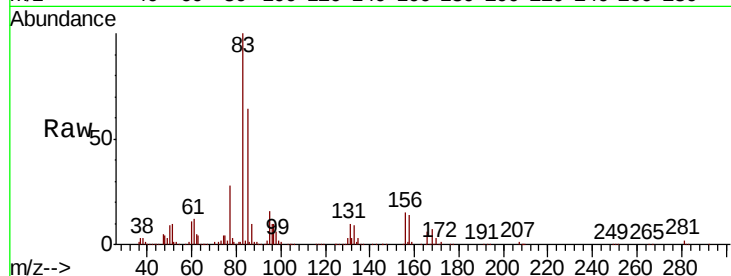
Tot Ion: 83 Resp: 421781

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.6

85 64.1 32.4 97.2

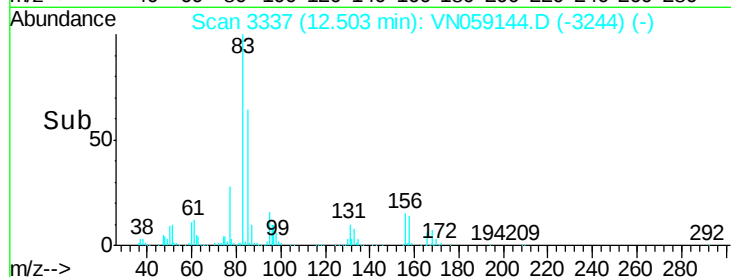


Abundance Ion 82.90 (82.60 to 83.60): VN0

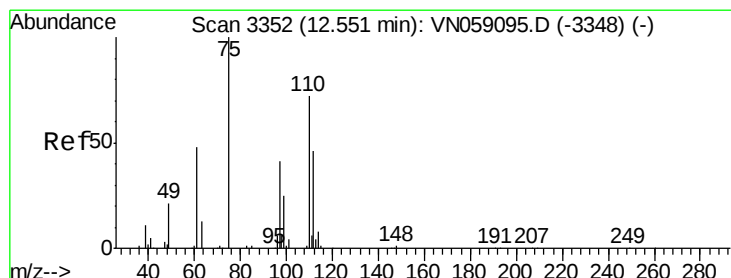
Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 66.457 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059144.D

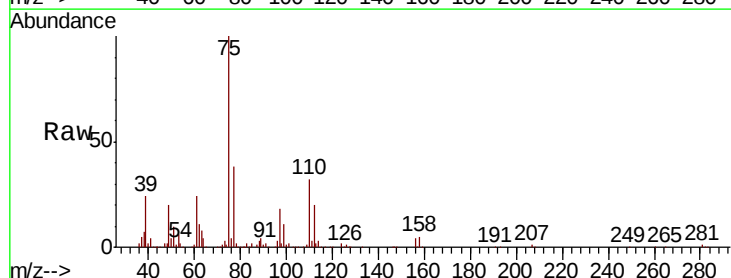
Acq: 11 Nov 2019 8:50

Tgt Ion: 75 Resp: 573322

Ion Ratio Lower Upper

75 100

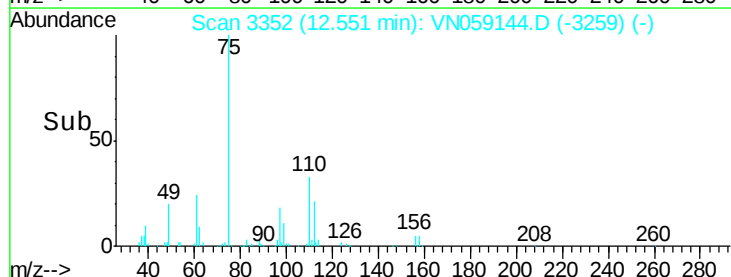
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

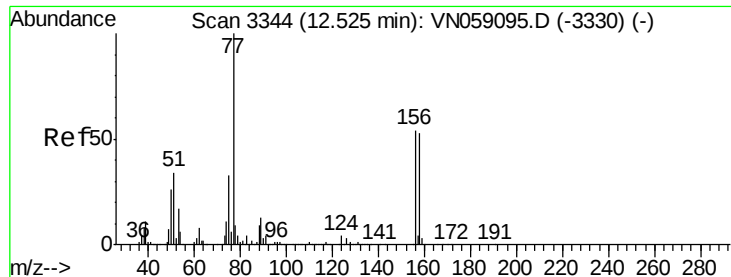
Ion 77.00 (76.70 to 77.70): VN0

Time-->



Time-->

Time-->



#77

Bromobenzene

Concen: 46.063 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

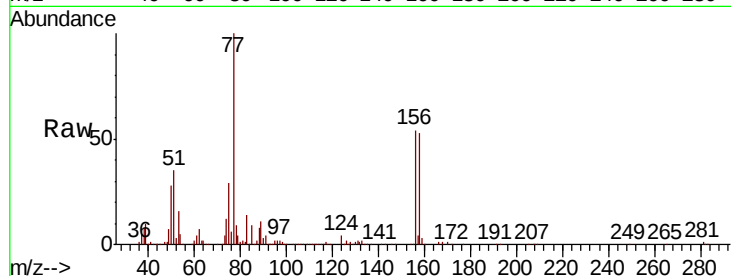
Tot Ion:156 Resp: 318990

Ion Ratio Lower Upper

156 100

77 224.4 112.8 338.3

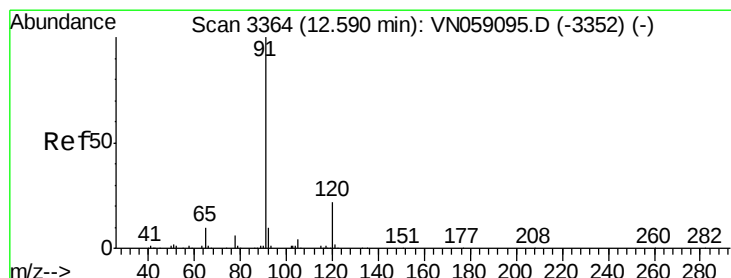
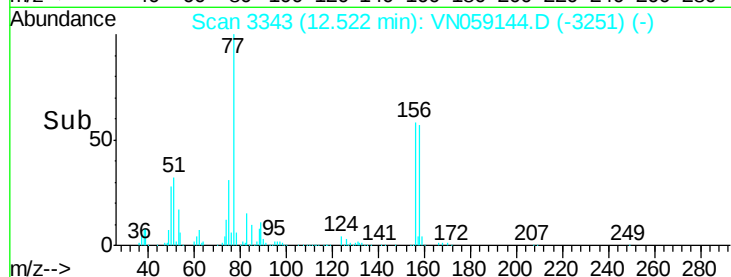
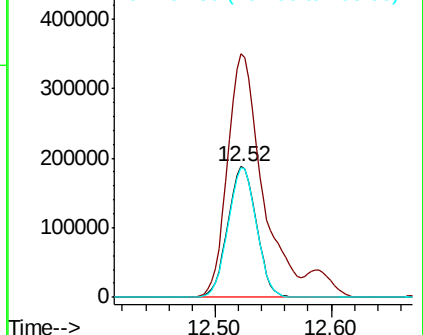
158 98.4 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.795 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059144.D

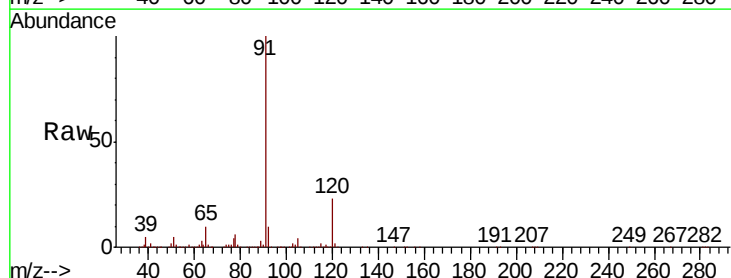
Acq: 11 Nov 2019 8:50

Tgt Ion: 91 Resp: 1603088

Ion Ratio Lower Upper

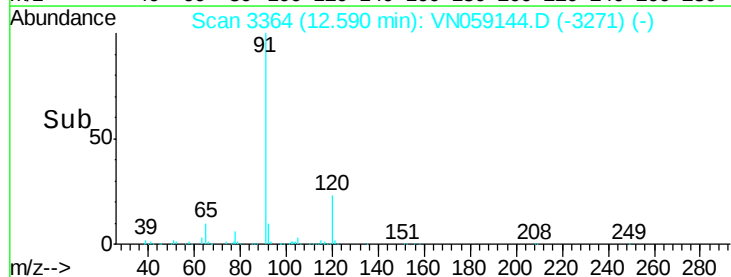
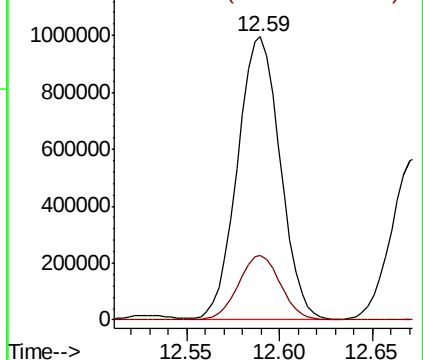
91 100

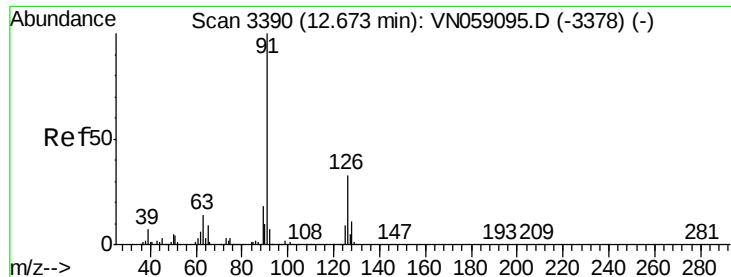
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.231 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

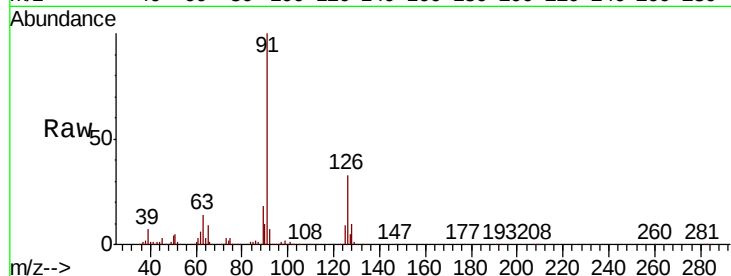
ClientSampleId :

Tot Ion: 91 Resp: 944271

Ion Ratio Lower Upper

91 100

126 32.5 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059144.D (-3397) (-)

Ion 125.90 (125.60 to 126.60): VN059144.D (-3397) (-)

Time-->

12.67

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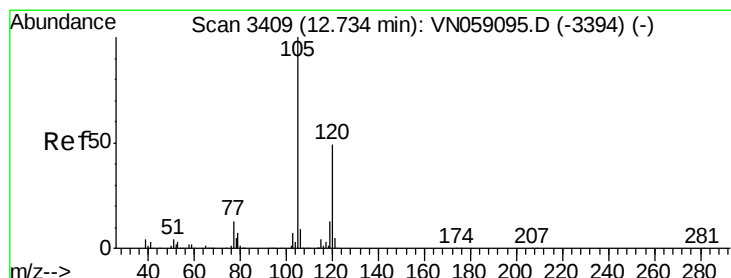
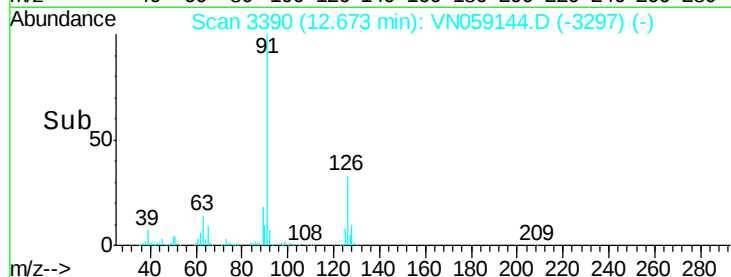
12.67

12.67

12.67

12.67

12.67



#80

1,3,5-Trimethylbenzene

Concen: 49.449 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059144.D

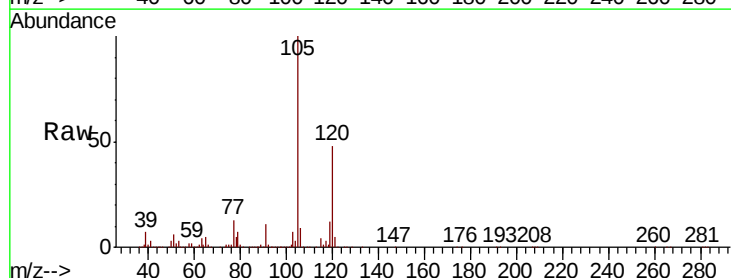
Acq: 11 Nov 2019 8:50

Tgt Ion:105 Resp: 1154921

Ion Ratio Lower Upper

105 100

120 48.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059144.D (-3416) (-)

Ion 120.00 (119.70 to 120.70): VN059144.D (-3416) (-)

Time-->

12.73

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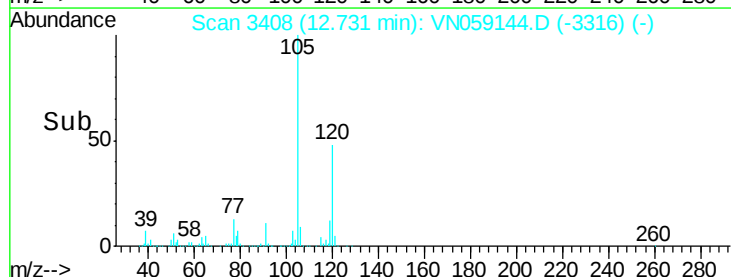
12.73

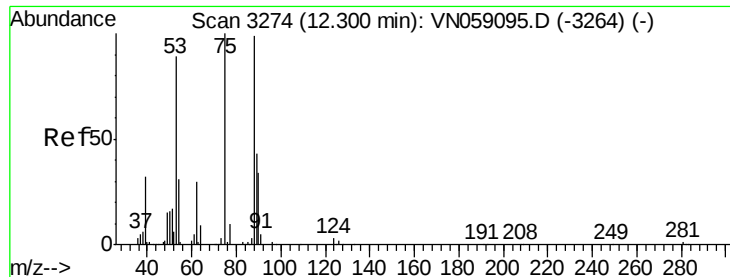
12.73

12.73

12.73

12.73





#81

trans-1,4-Dichloro-2-butene

Concen: 48.396 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampled :

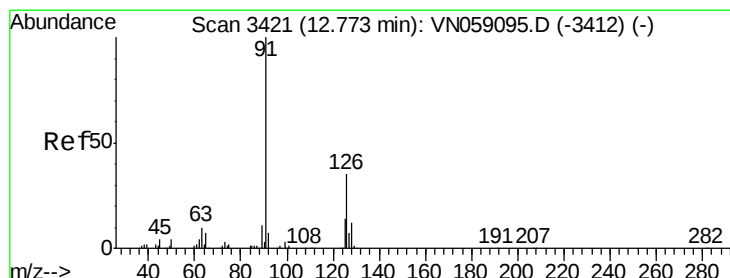
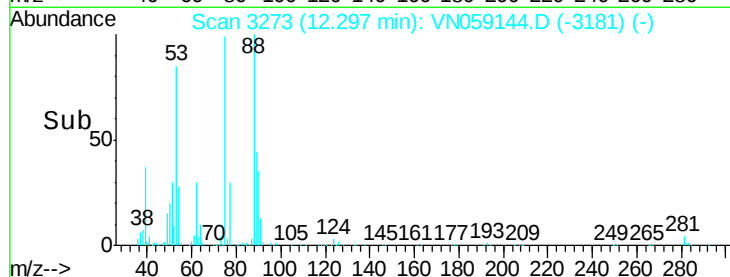
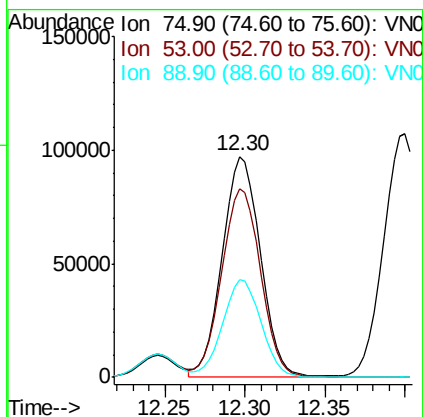
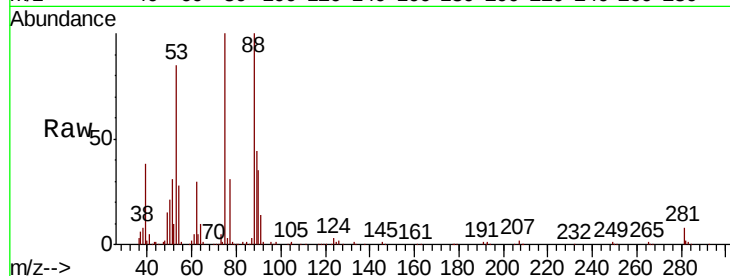
Tot Ion: 75 Resp: 158069

Ion Ratio Lower Upper

75 100

53 87.0 72.2 108.2

89 44.5 35.8 53.8



#82

4-Chlorotoluene

Concen: 49.194 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059144.D

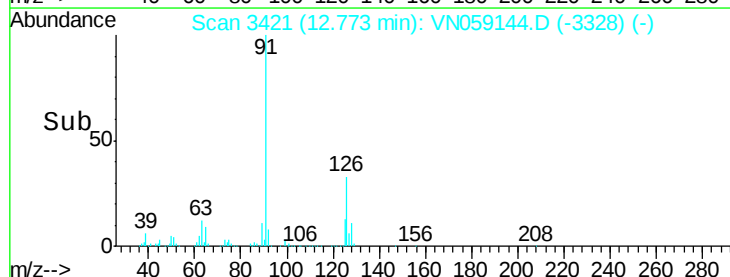
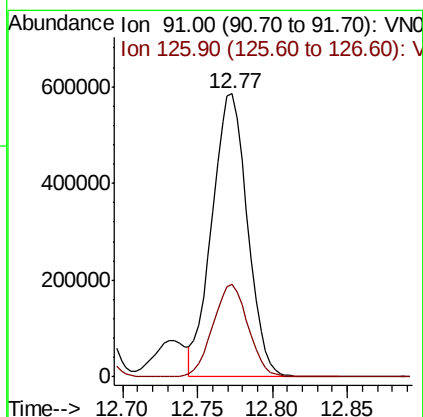
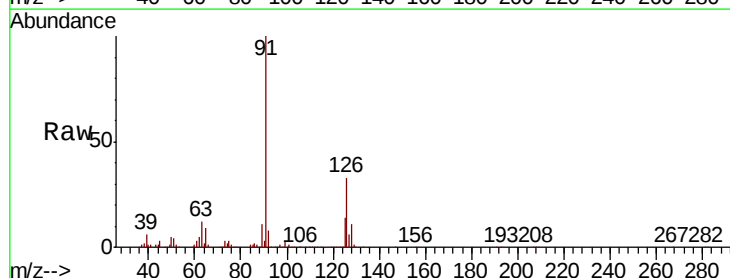
Acq: 11 Nov 2019 8:50

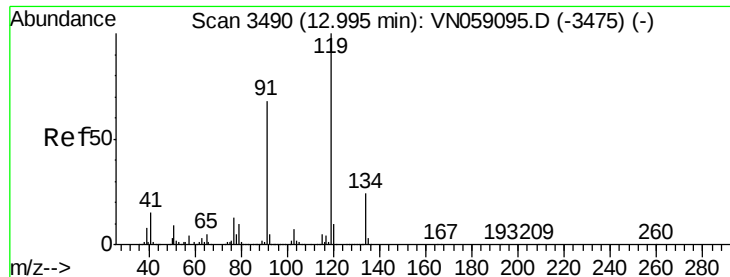
Tgt Ion: 91 Resp: 966005

Ion Ratio Lower Upper

91 100

126 32.6 16.1 48.2





#83

tert-Butylbenzene

Concen: 48.497 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

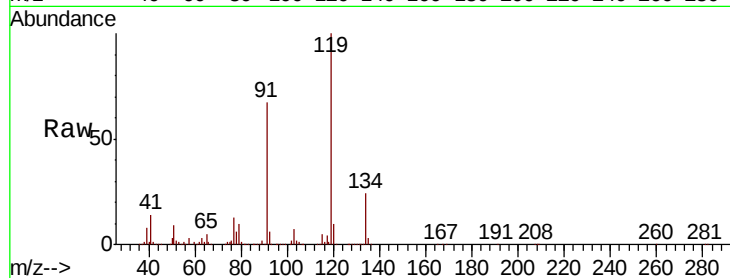
Tot Ion:119 Resp: 978168

Ion Ratio Lower Upper

119 100

91 66.0 33.2 99.6

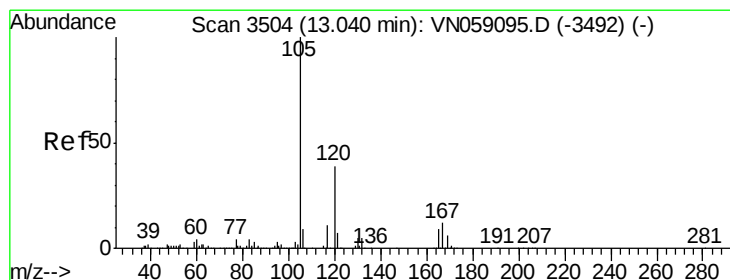
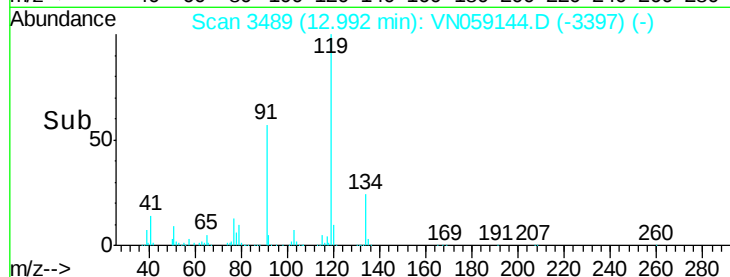
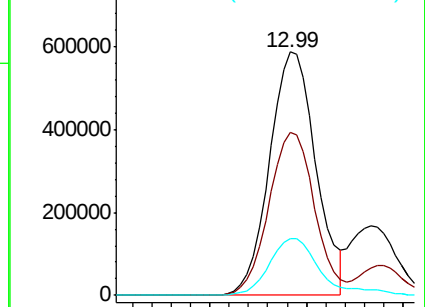
134 25.6 12.7 38.1



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: 50.557 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059144.D

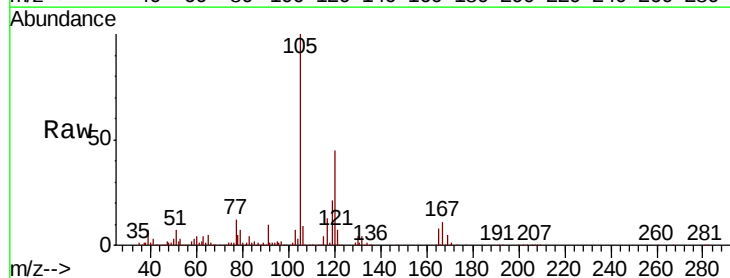
Acq: 11 Nov 2019 8:50

Tgt Ion:105 Resp: 1142428

Ion Ratio Lower Upper

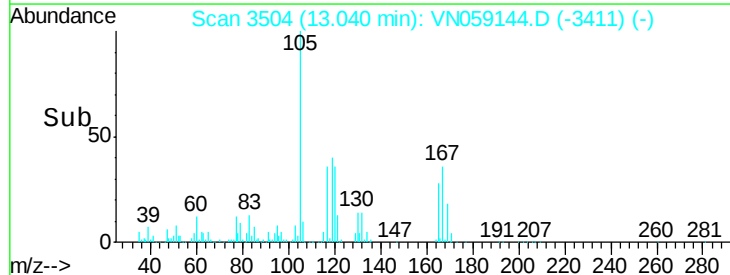
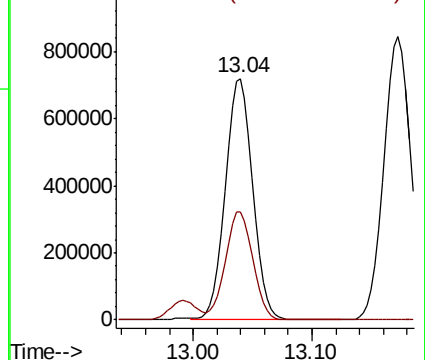
105 100

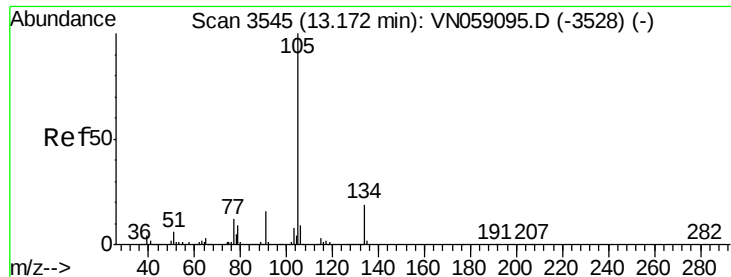
120 45.1 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.869 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

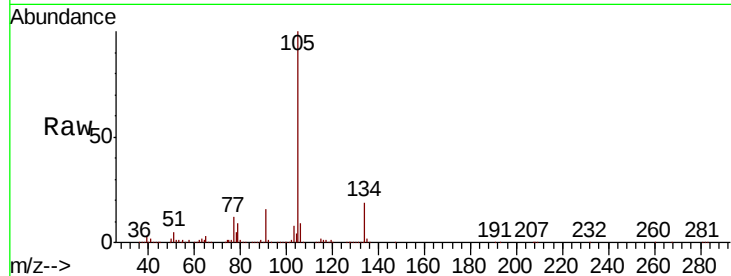
ClientSampled :

Tot Ion:105 Resp: 1334372

Ion Ratio Lower Upper

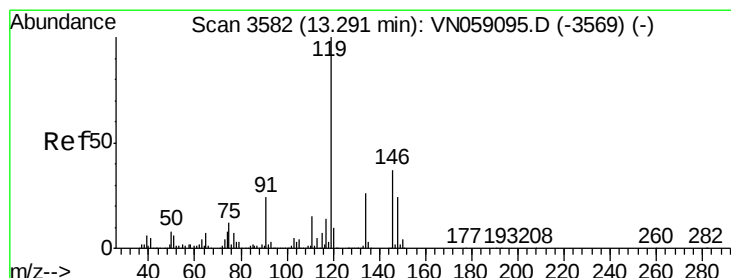
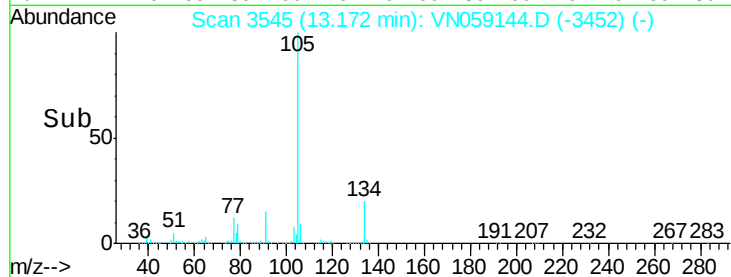
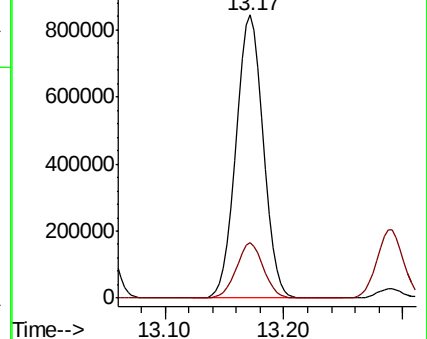
105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.120 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

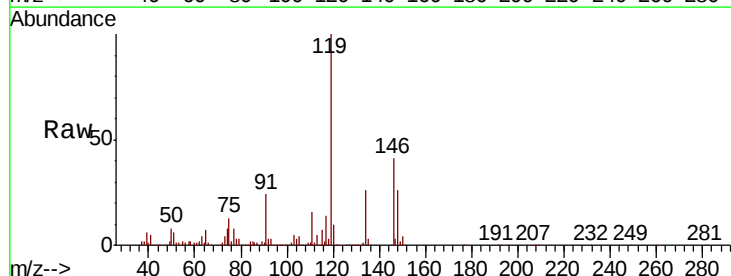
Tgt Ion:119 Resp: 1207190

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

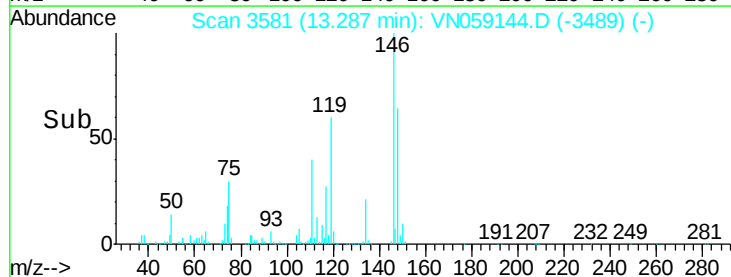
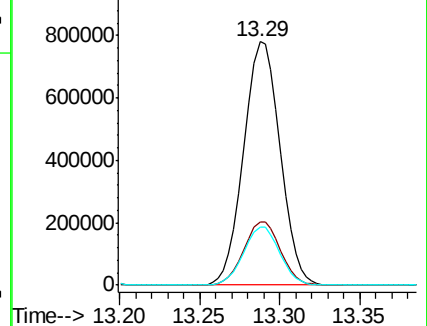
91 23.7 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.223 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

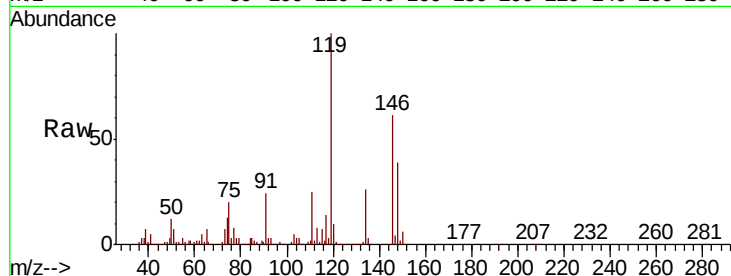
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146 Resp: 583716

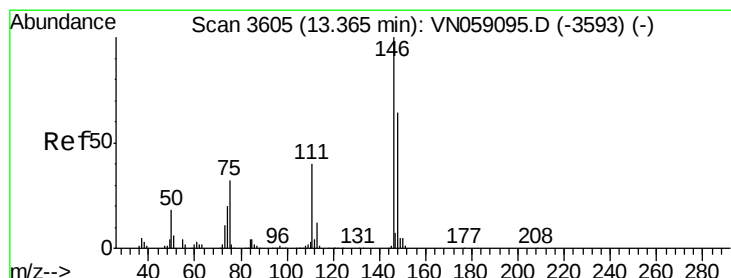
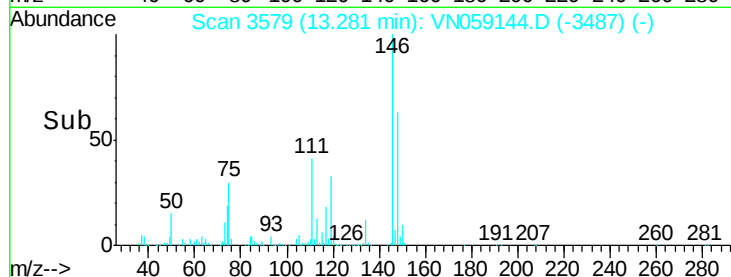
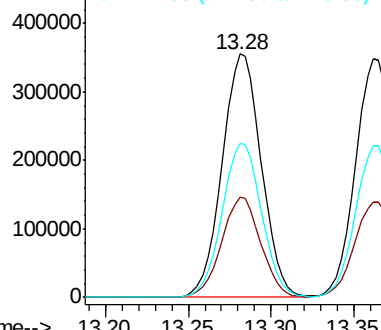
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.3
148	63.8	32.2	96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.736 ug/l

RT: 13.36 min Scan# 3604

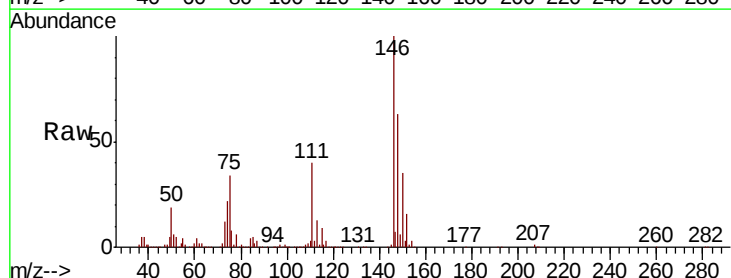
Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Tgt Ion:146 Resp: 578242

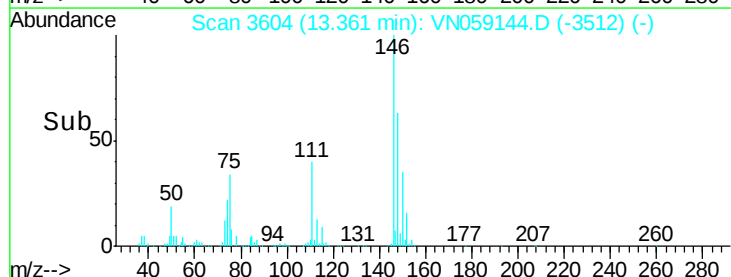
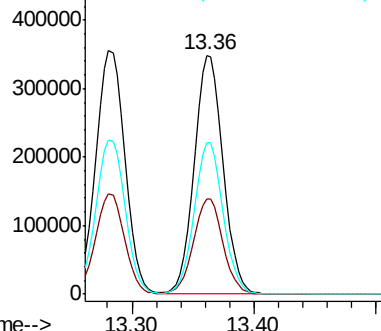
Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.9
148	63.6	31.9	95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 53.077 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

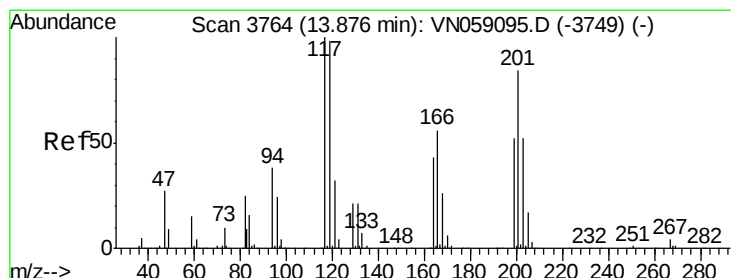
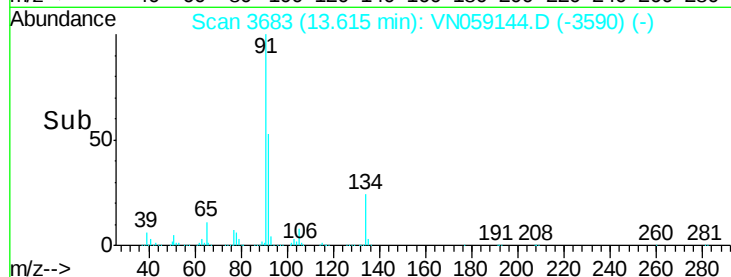
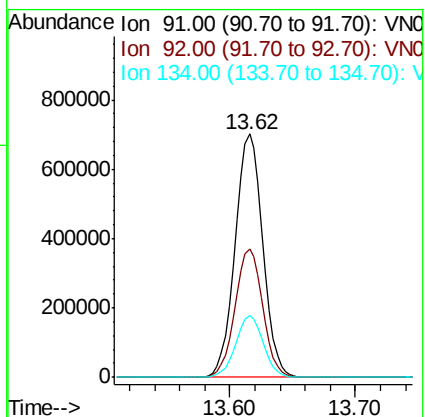
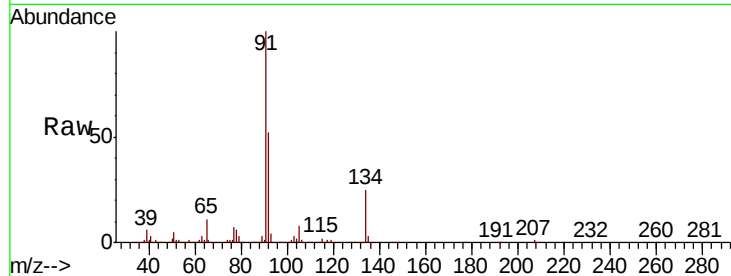
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 91 Resp: 1075969

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.1	78.3
134	25.3	12.6	37.8



#90

Hexachloroethane

Concen: 46.734 ug/l

RT: 13.88 min Scan# 3764

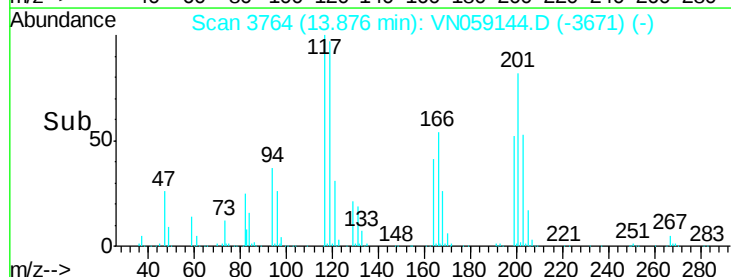
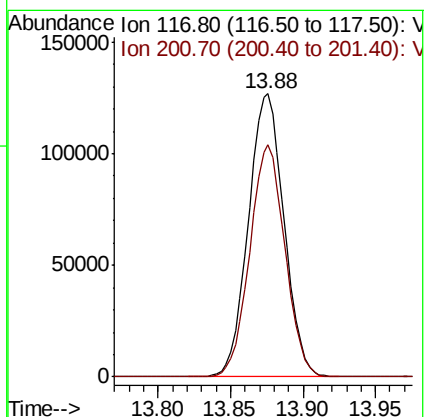
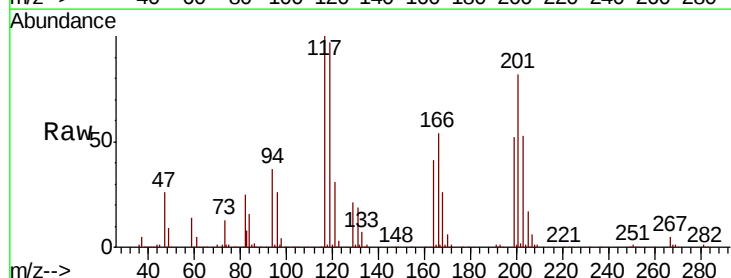
Delta R.T. -0.00 min

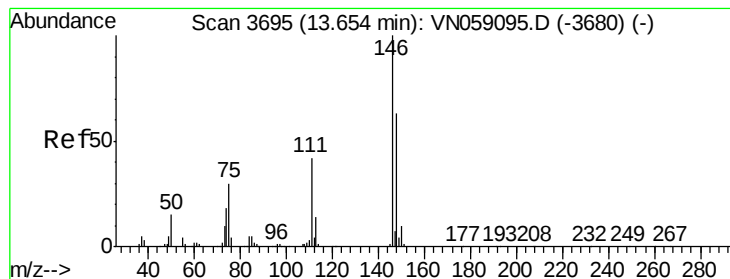
Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Tgt Ion: 117 Resp: 217353

Ion	Ratio	Lower	Upper
117	100		
201	80.8	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 48.382 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampled :

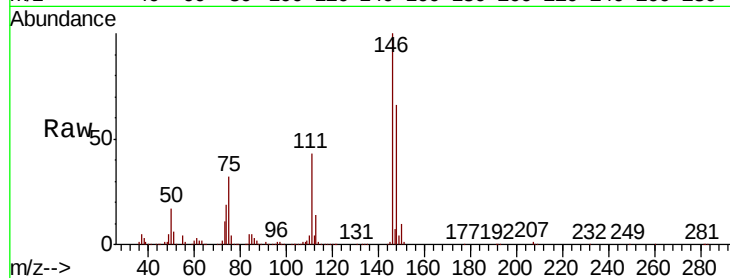
Tot Ion:146 Resp: 564389

Ion Ratio Lower Upper

146 100

111 43.0 21.2 63.6

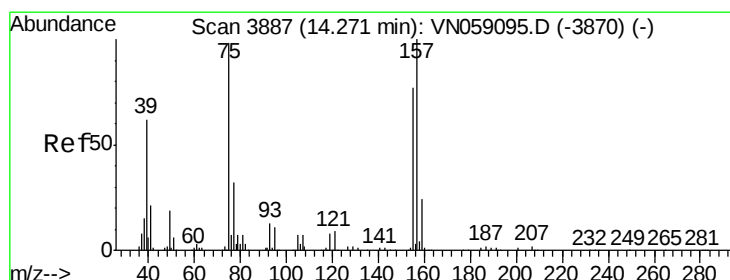
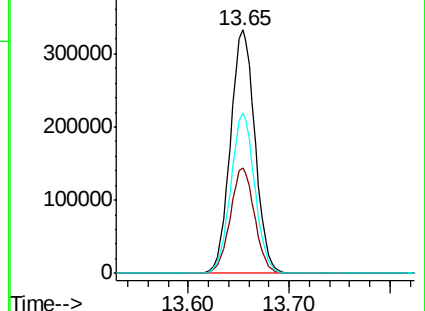
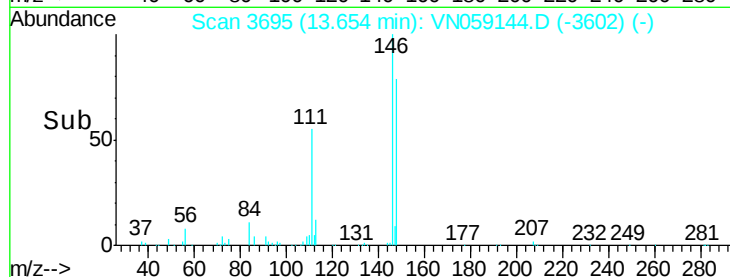
148 64.5 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.555 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

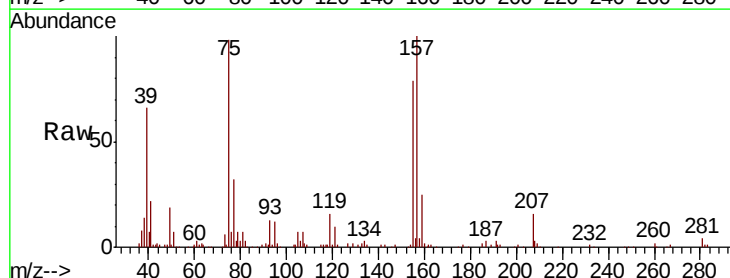
Tgt Ion: 75 Resp: 83434

Ion Ratio Lower Upper

75 100

155 82.1 40.2 120.6

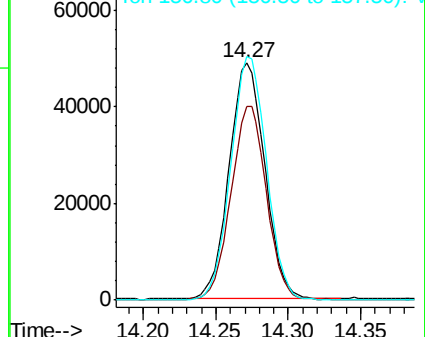
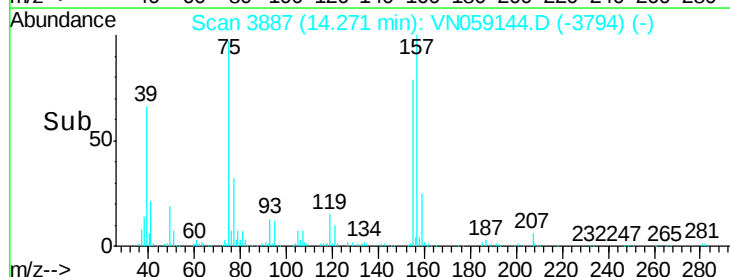
157 103.1 51.8 155.5

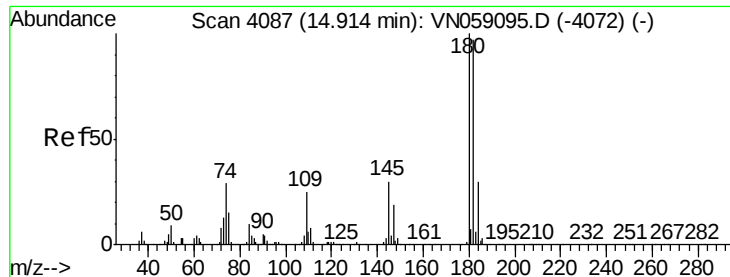


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

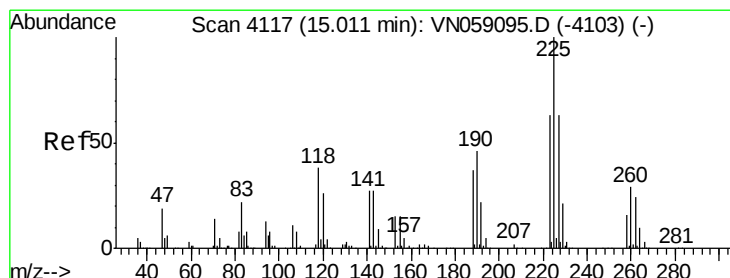
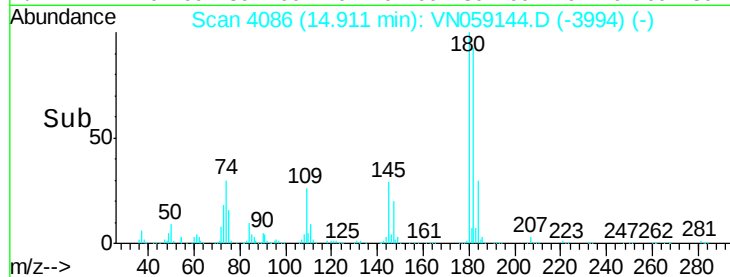
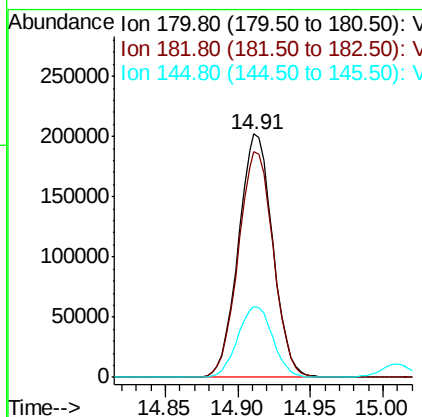
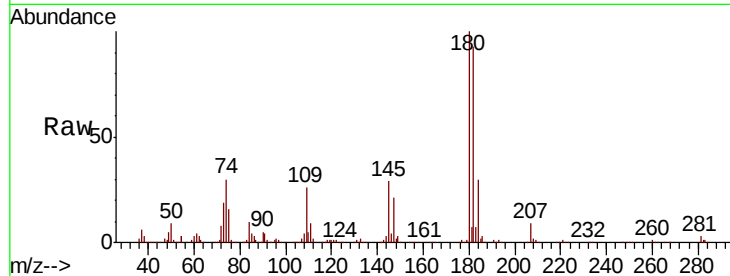




#93
 1,2,4-Trichlorobenzene
 Concen: 47.152 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

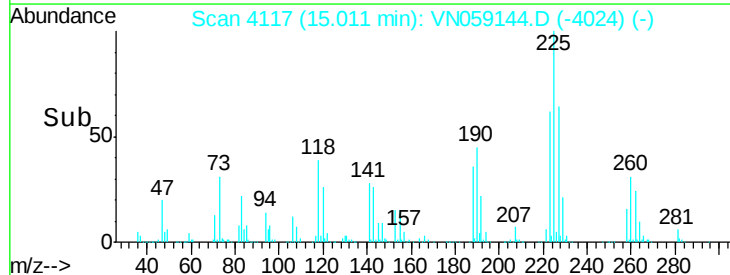
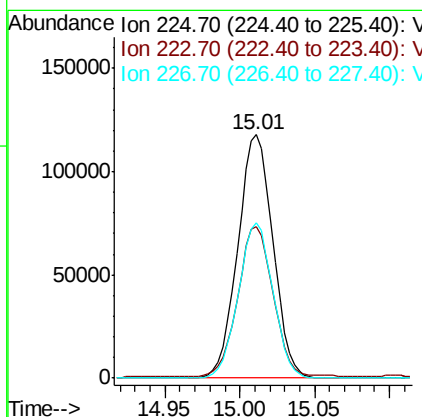
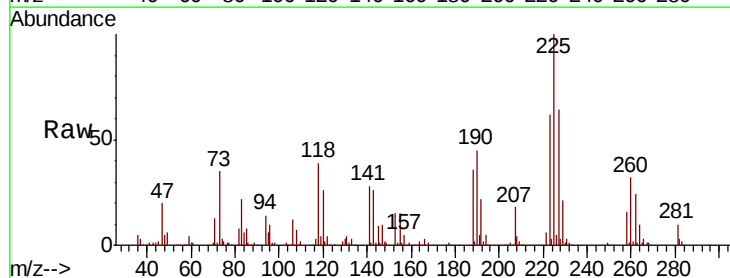
Instrument :
 MSVOA_N
 ClientSampleId :

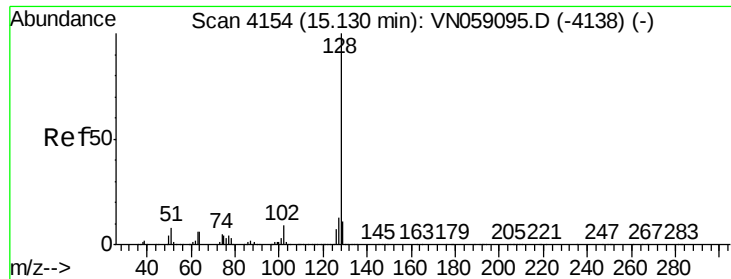
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.1	144.3
145	29.6	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 47.760 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059144.D
 Acq: 11 Nov 2019 8:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.3	93.9
227	63.0	31.5	94.5





#95

Naphthalene

Concen: 46.472 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059144.D

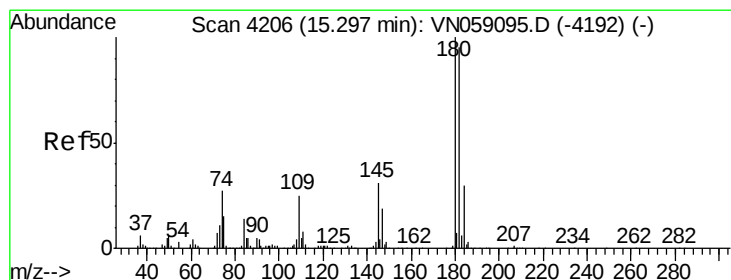
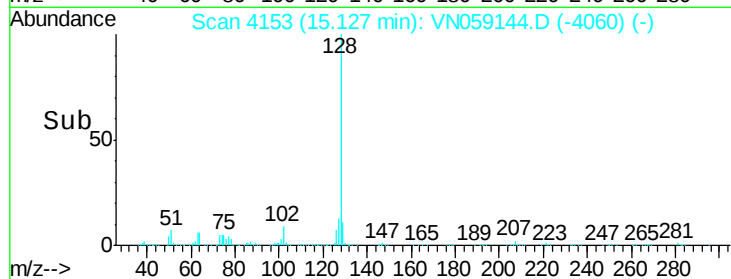
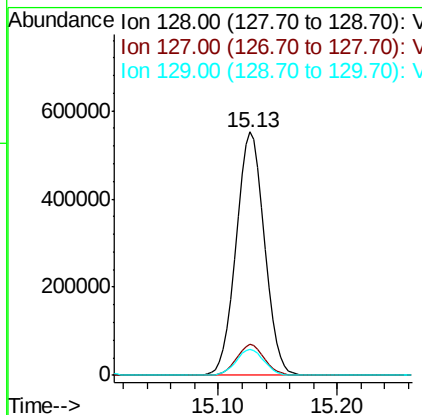
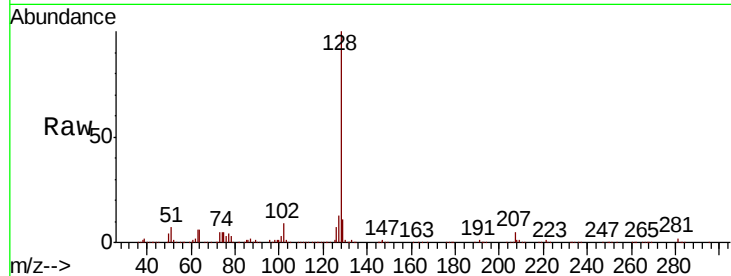
Acq: 11 Nov 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	128	Resp:	908027
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.7	8.6	12.8



#96

1,2,3-Trichlorobenzene

Concen: 49.035 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN059144.D

Acq: 11 Nov 2019 8:50

Tgt Ion:	180	Resp:	320563
Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.8
145	32.2	15.8	47.3

