

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059201.D
 Acq On : 12 Nov 2019 19:10
 Operator : JC/SP
 Sample : K5769-11MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MS

Quant Time: Nov 13 05:42:49 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	411041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	644865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	592565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	288433	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	253588	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
35) Dibromofluoromethane	7.57	113	199090	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
50) Toluene-d8	10.08	98	758061	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.40	95	277322	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	192536	46.490	ug/l	97
3) Chloromethane	2.04	50	257861	45.805	ug/l	98
4) Vinyl Chloride	2.17	62	265275	48.603	ug/l	100
5) Bromomethane	2.53	94	152693	48.615	ug/l	99
6) Chloroethane	2.68	64	161982	50.170	ug/l	100
7) Trichlorofluoromethane	3.00	101	330362	50.604	ug/l	99
8) Diethyl Ether	3.38	74	130354	49.141	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	195782	49.739	ug/l	99
10) Methyl Iodide	3.93	142	247470	50.792	ug/l	99
11) Tert butyl alcohol	4.75	59	243900	253.285	ug/l	100
12) 1,1-Dichloroethene	3.71	96	186852	48.731	ug/l	97
13) Acrolein	3.58	56	149740	301.607	ug/l	99
14) Allyl chloride	4.29	41	342401	43.472	ug/l	91
15) Acrylonitrile	4.95	53	643986	268.726	ug/l	100
16) Acetone	3.79	43	542586	206.500	ug/l	100
17) Carbon Disulfide	4.03	76	520696	43.746	ug/l	100
18) Methyl Acetate	4.29	43	320705	51.422	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	692683	52.471	ug/l	100
20) Methylene Chloride	4.52	84	228884	50.001	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	203189	49.368	ug/l	99
22) Diisopropyl ether	5.92	45	776190	52.173	ug/l	98
23) Vinyl Acetate	5.86	43	3117411	270.372	ug/l	99
24) 1,1-Dichloroethane	5.82	63	421691	50.749	ug/l	99
25) 2-Butanone	6.81	43	859682	248.253	ug/l	99
26) 2,2-Dichloropropane	6.80	77	326856	44.986	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	243499	50.994	ug/l	99
28) Bromochloromethane	7.17	49	126142	50.459	ug/l	100
29) Tetrahydrofuran	7.18	42	582186	264.589	ug/l	99
30) Chloroform	7.35	83	409157	51.331	ug/l	99
31) Cyclohexane	7.63	56	366977	46.652	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	350258	52.265	ug/l	99
36) 1,1-Dichloropropene	7.77	75	306281	50.813	ug/l	99
37) Ethyl Acetate	6.90	43	347962	51.892	ug/l	99
38) Carbon Tetrachloride	7.75	117	306626	51.110	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	350653	50.125	ug/l	99
40) Benzene	8.02	78	928226	51.138	ug/l	99
41) Methacrylonitrile	7.15	41	160962	55.202	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	325064	52.216	ug/l	99
43) Isopropyl Acetate	8.14	43	542370	50.735	ug/l	99
44) Trichloroethene	8.82	130	232078	52.013	ug/l	99
45) 1,2-Dichloropropane	9.10	63	255890	51.903	ug/l	99
46) Dibromomethane	9.19	93	156943	51.084	ug/l	99
47) Bromodichloromethane	9.39	83	323665	52.759	ug/l	97
48) Methyl methacrylate	9.18	41	253501	53.014	ug/l	98
49) 1,4-Dioxane	9.18	88	88088	1036.590	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1757798	290.601	ug/l	99
52) Toluene	10.14	92	566856	52.104	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	362713	51.175	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	386092	50.641	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	231305	52.534	ug/l	99
56) Ethyl methacrylate	10.42	69	357518	48.733	ug/l	99
57) 1,3-Dichloropropane	10.70	76	400639	52.869	ug/l	100
59) 2-Hexanone	10.74	43	1309774	282.110	ug/l	100
60) Dibromochloromethane	10.89	129	251095	53.939	ug/l	100
61) 1,2-Dibromoethane	11.00	107	234210	52.547	ug/l	99
64) Tetrachloroethene	10.62	164	404595	100.412	ug/l	99
65) Chlorobenzene	11.43	112	600759	52.007	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	228393	52.708	ug/l	98
67) Ethyl Benzene	11.51	91	1091337	53.249	ug/l	98
68) m/p-Xylenes	11.62	106	809771	105.479	ug/l	99
69) o-Xylene	11.94	106	391242	52.734	ug/l	98
70) Styrene	11.96	104	640024	54.851	ug/l	99
71) Bromoform	12.12	173	183450	54.428	ug/l #	99
73) Isopropylbenzene	12.25	105	1056631	50.362	ug/l	100
74) N-amyl acetate	12.07	43	451427	50.777	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	363612	50.891	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	469991	71.572	ug/l #	100
77) Bromobenzene	12.53	156	257160	48.785	ug/l	100
78) n-propylbenzene	12.59	91	1237479	51.513	ug/l	100
79) 2-Chlorotoluene	12.67	91	738271	49.540	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	904333	50.868	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	119593	48.103	ug/l	98
82) 4-Chlorotoluene	12.77	91	749136	50.119	ug/l	99
83) tert-Butylbenzene	12.99	119	758517	49.406	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	900880	52.376	ug/l	100
85) sec-Butylbenzene	13.17	105	1024240	51.297	ug/l	100
86) p-Isopropyltoluene	13.29	119	928778	52.681	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	458167	50.758	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	449250	49.744	ug/l	99
89) n-Butylbenzene	13.62	91	790154	51.207	ug/l	99
90) Hexachloroethane	13.88	117	171043	48.315	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	448392	50.497	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	70408	49.393	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	241664	45.171	ug/l	98

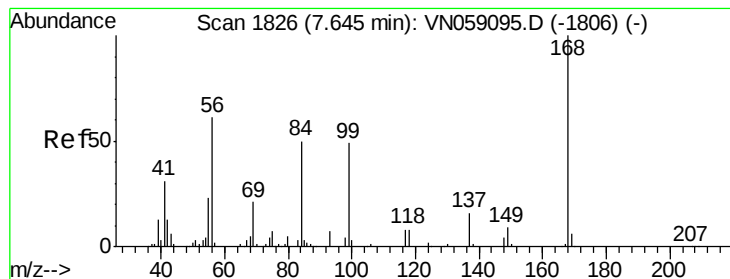
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	142399	46.510	ug/l	99
95) Naphthalene	15.13	128	659423	44.477	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	238395	47.907	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

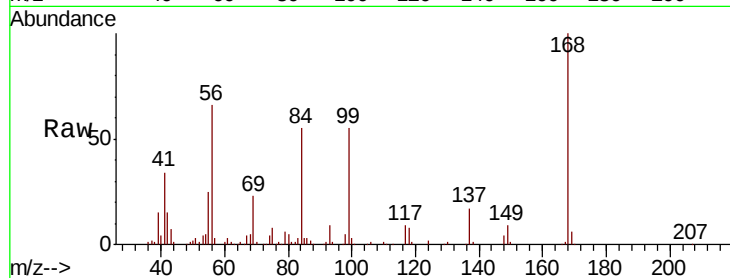
MW-305-SRI4MS

Tot Ion:168 Resp: 411041

Ion Ratio Lower Upper

168 100

99 55.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

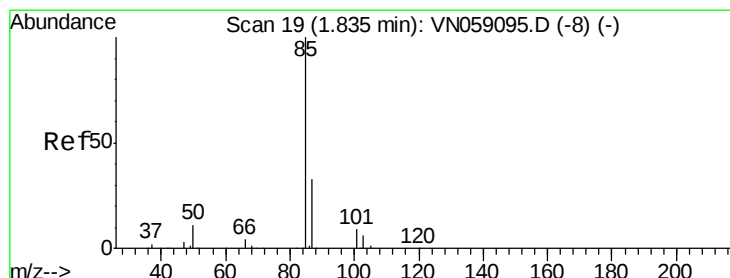
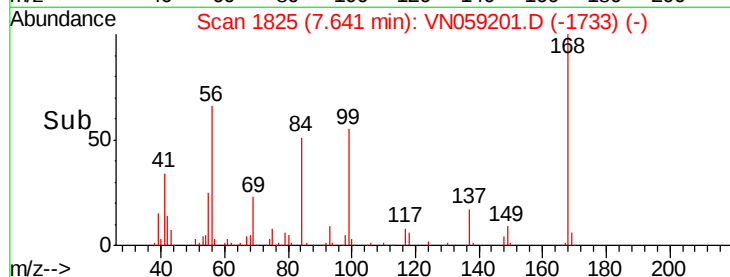
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 46.490 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059201.D

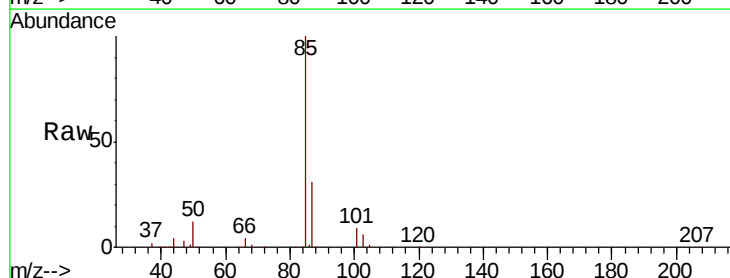
Acq: 12 Nov 2019 19:10

Tgt Ion: 85 Resp: 192536

Ion Ratio Lower Upper

85 100

87 30.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

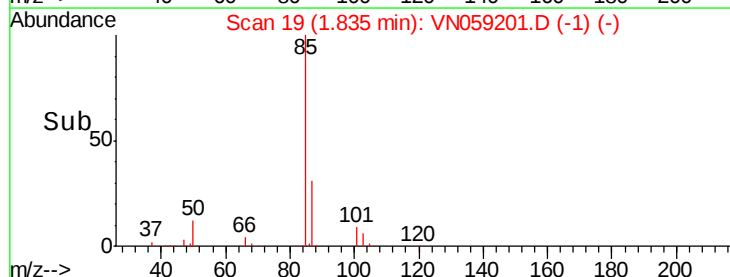
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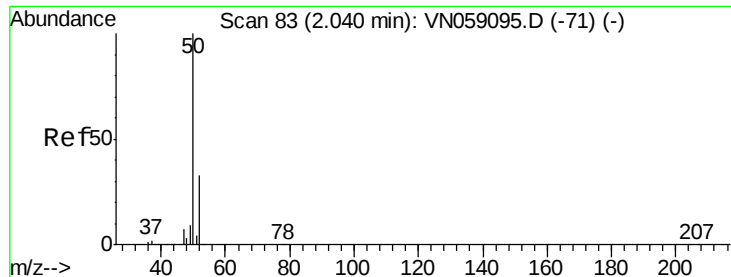
100000

50000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 45.805 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

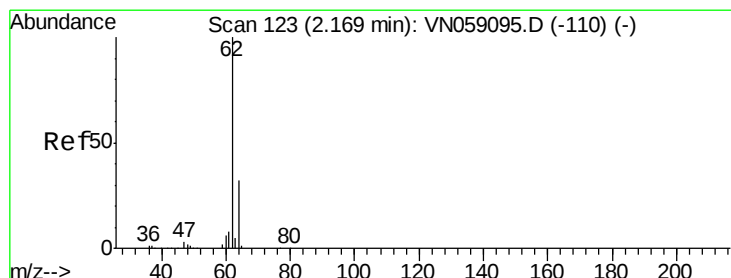
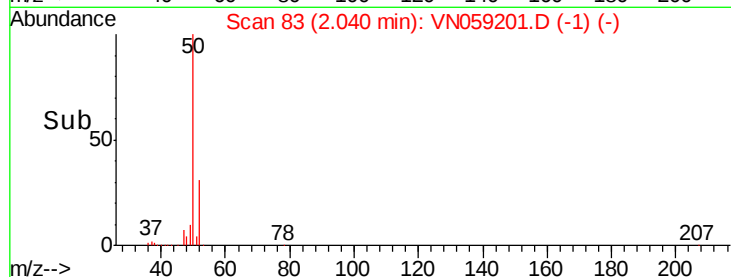
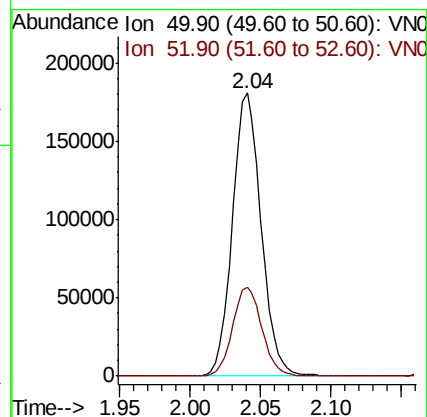
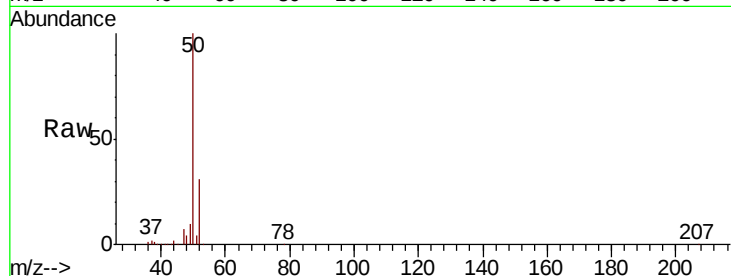
MW-305-SRI4MS

Tot Ion: 50 Resp: 257861

Ion Ratio Lower Upper

50 100

52 31.4 26.0 39.0



#4

Vinyl Chloride

Concen: 48.603 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059201.D

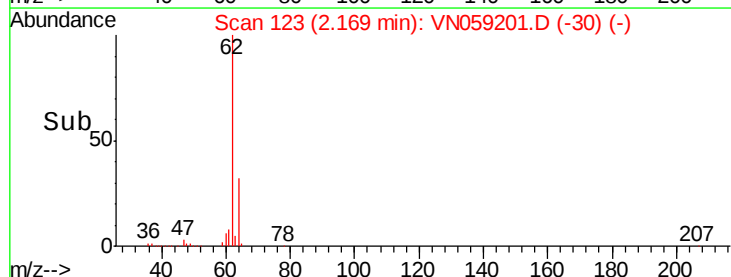
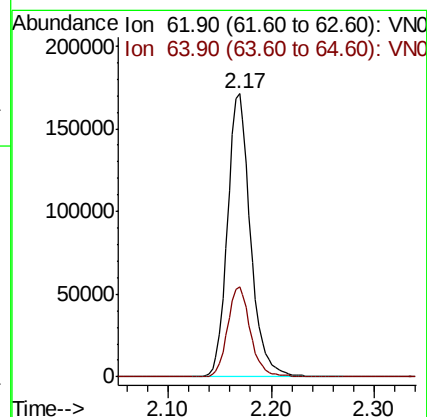
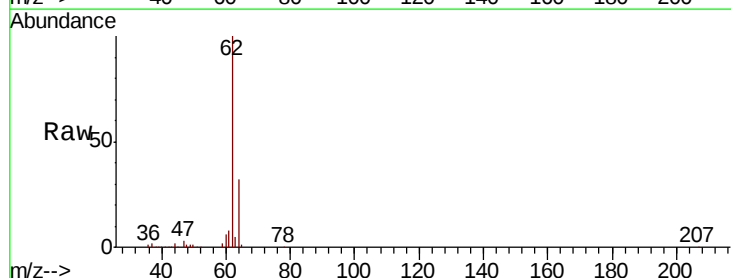
Acq: 12 Nov 2019 19:10

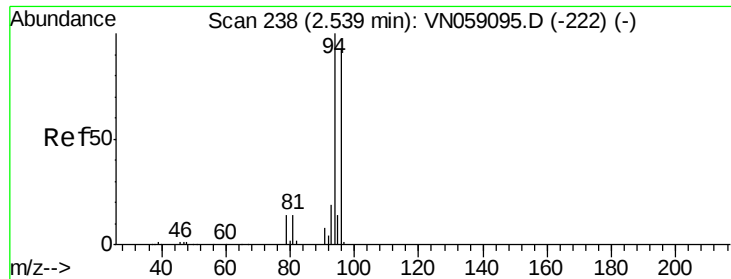
Tgt Ion: 62 Resp: 265275

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 48.615 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

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ClientSampleId :

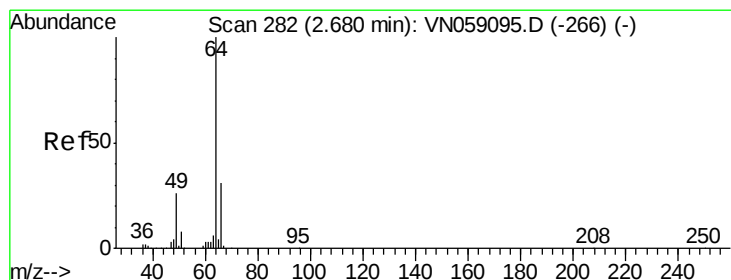
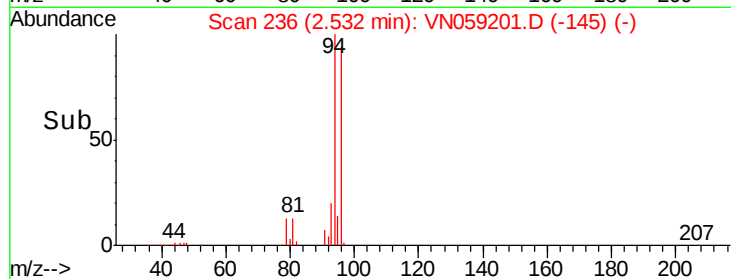
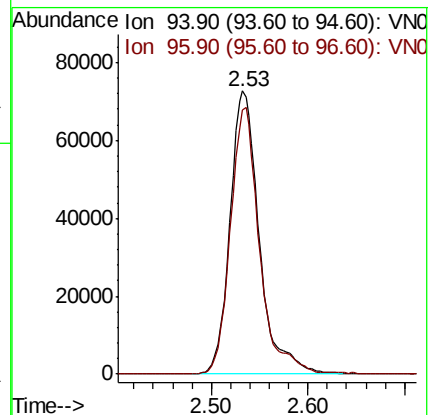
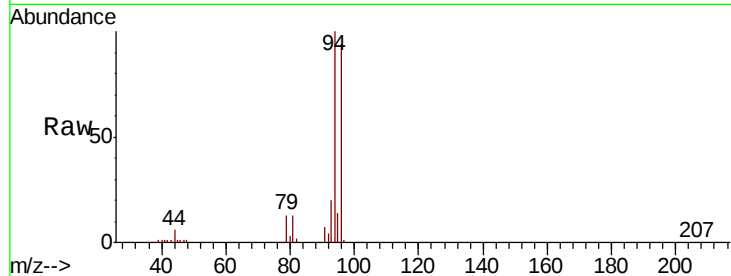
MW-305-SRI4MS

Tot Ion: 94 Resp: 152693

Ion Ratio Lower Upper

94 100

96 93.5 74.2 111.2



#6

Chloroethane

Concen: 50.170 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059201.D

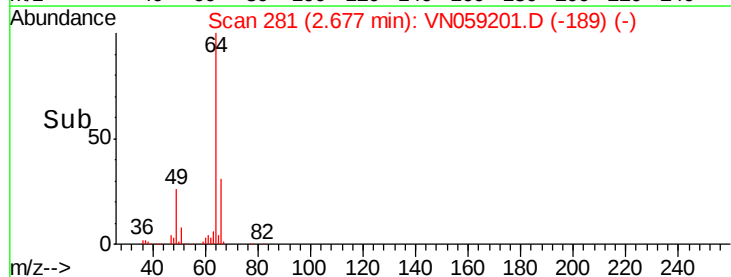
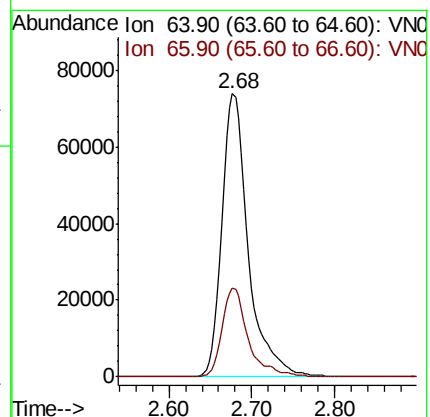
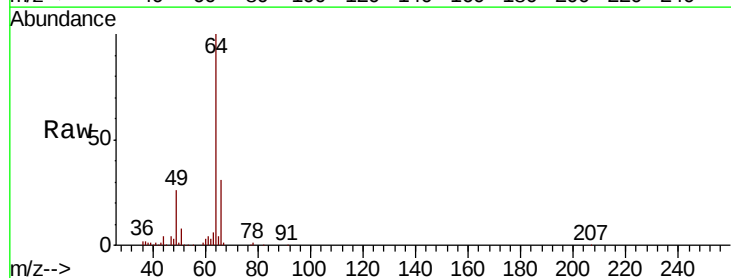
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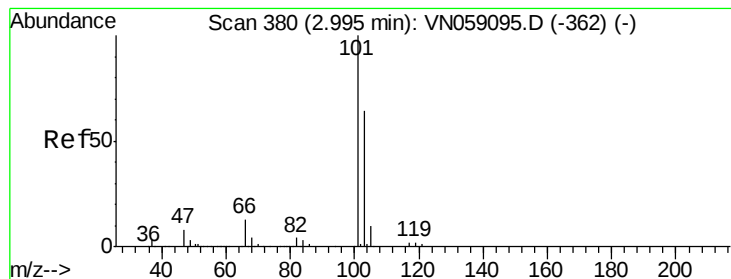
Tgt Ion: 64 Resp: 161982

Ion Ratio Lower Upper

64 100

66 31.3 25.2 37.8



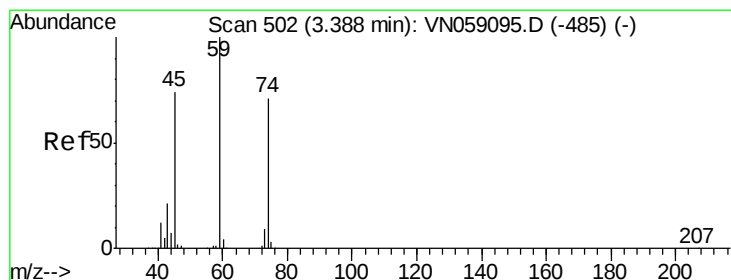
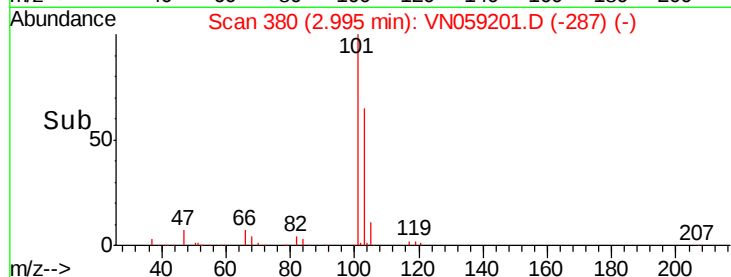
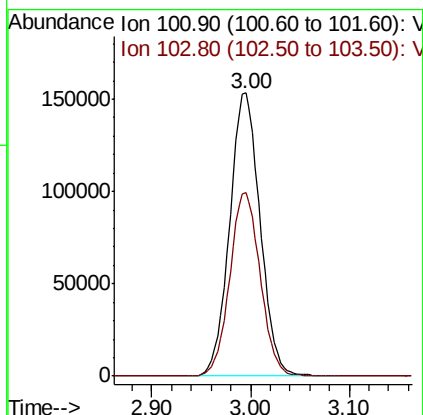
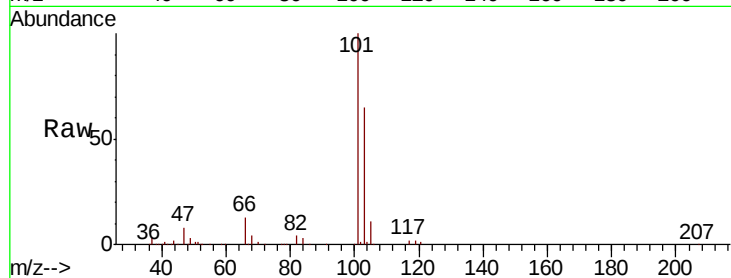


#7

Trichlorofluoromethane
 Concen: 50.604 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059201.D
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 MW-305-SRI4MS

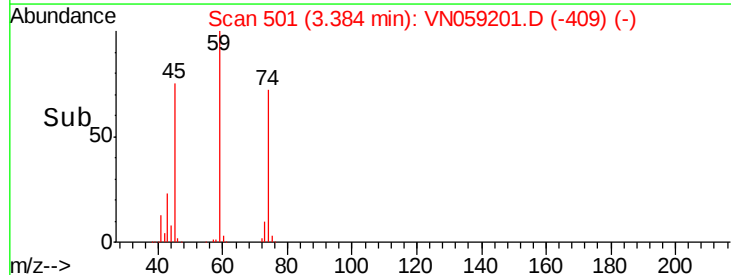
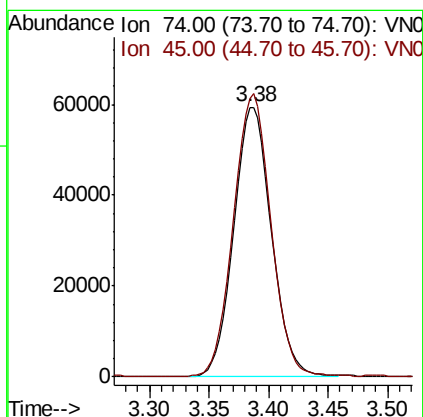
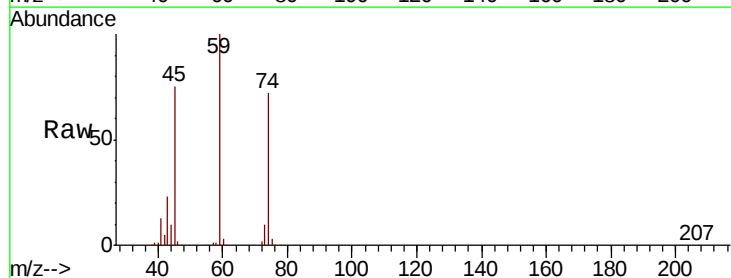
Tot Ion:101 Resp: 330362
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.2 76.8

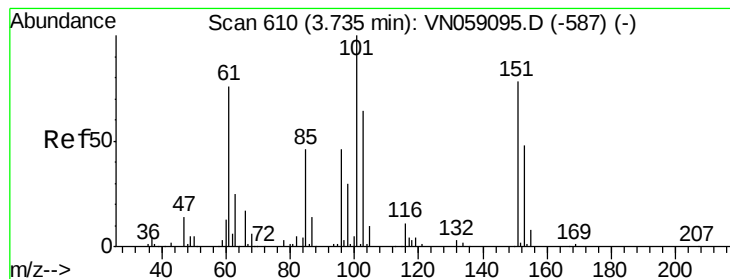


#8

Diethyl Ether
 Concen: 49.141 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059201.D
 Acq: 12 Nov 2019 19:10

Tgt Ion: 74 Resp: 130354
 Ion Ratio Lower Upper
 74 100
 45 104.7 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.739 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MS

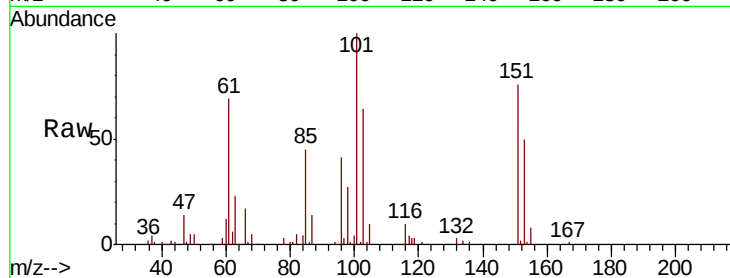
Tot Ion:101 Resp: 195782

Ion Ratio Lower Upper

101 100

85 45.2 35.5 53.3

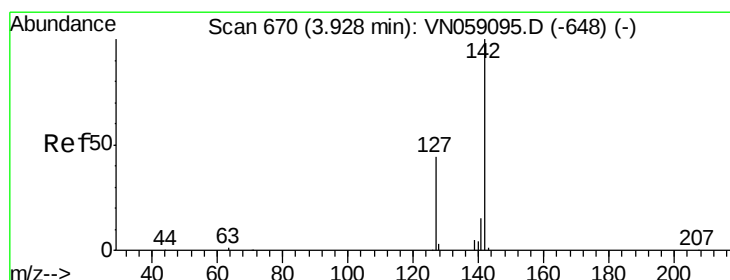
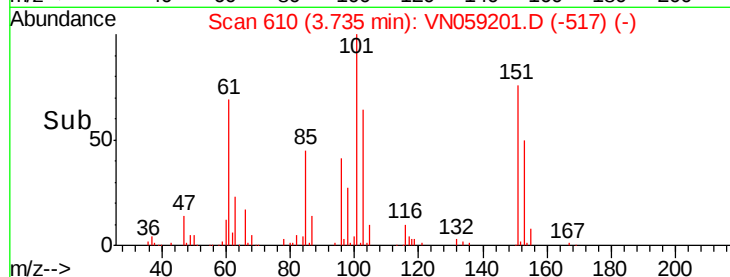
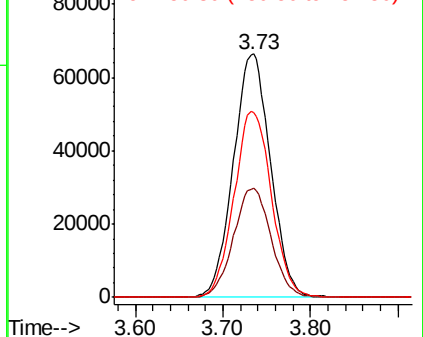
151 76.9 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.792 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

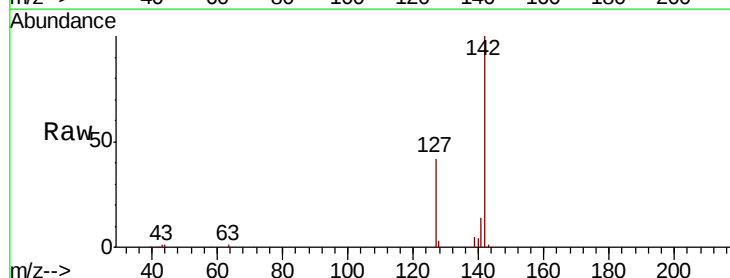
Tgt Ion:142 Resp: 247470

Ion Ratio Lower Upper

142 100

127 43.2 34.2 51.2

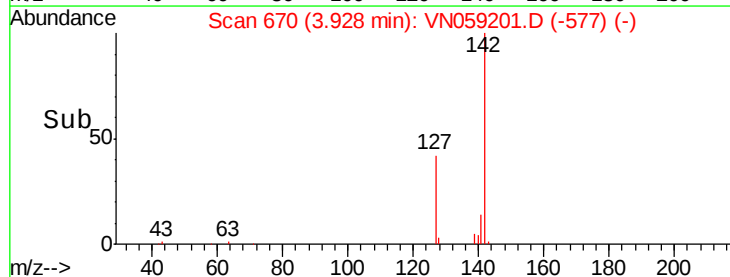
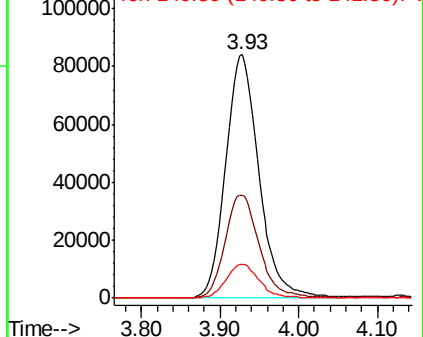
141 14.0 11.4 17.0

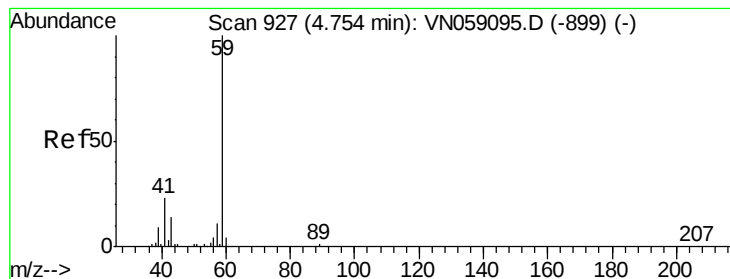


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



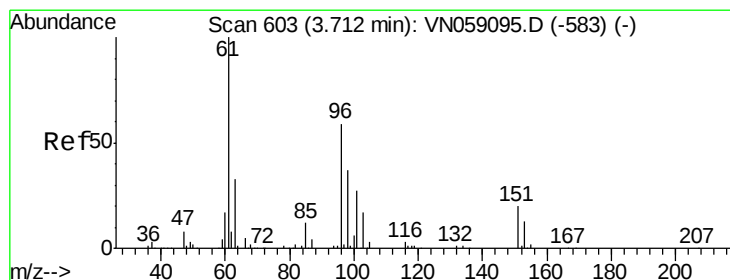
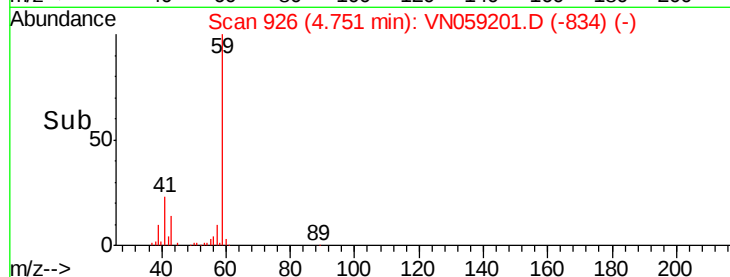
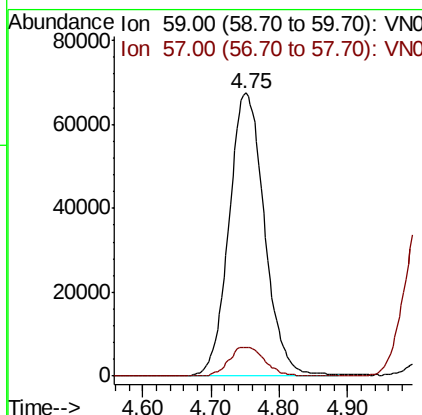
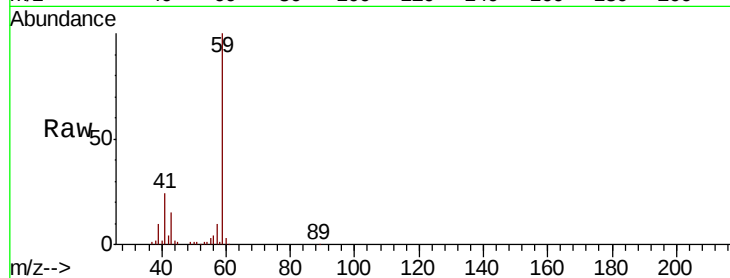


#11

Tert butyl alcohol
 Concen: 253.285 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN059201.D
 Acq: 12 Nov 2019 19:10

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MS

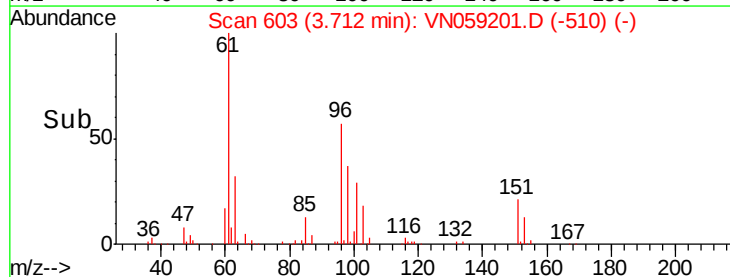
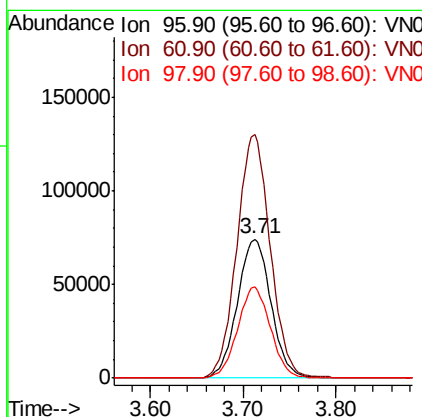
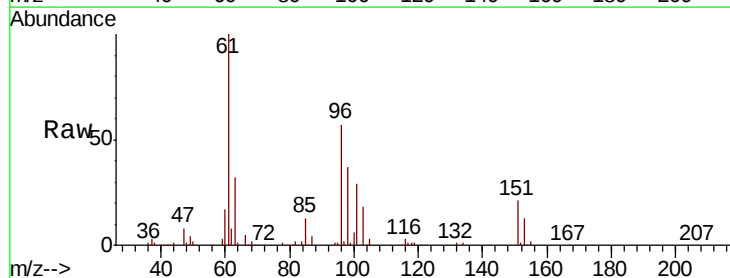
Tot Ion: 59 Resp: 243900
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.3 12.5

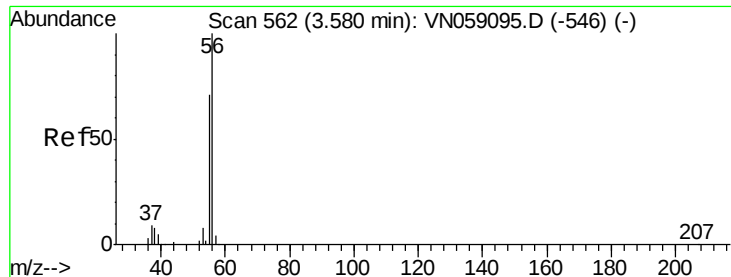


#12

1,1-Dichloroethene
 Concen: 48.731 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059201.D
 Acq: 12 Nov 2019 19:10

Tgt Ion: 96 Resp: 186852
 Ion Ratio Lower Upper
 96 100
 61 175.5 136.5 204.7
 98 65.4 50.2 75.4





#13

Acrolein

Concen: 301.607 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

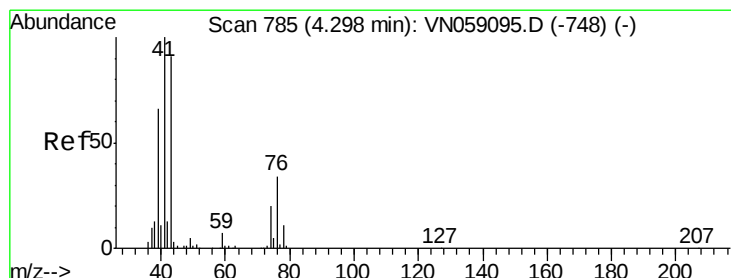
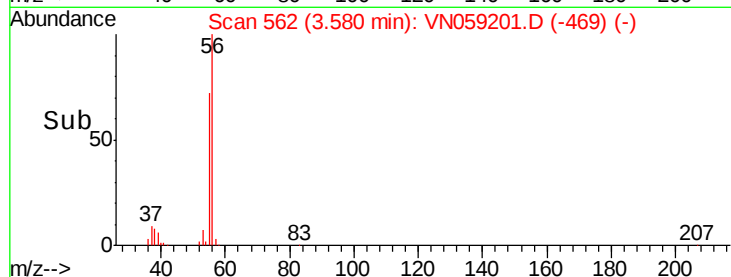
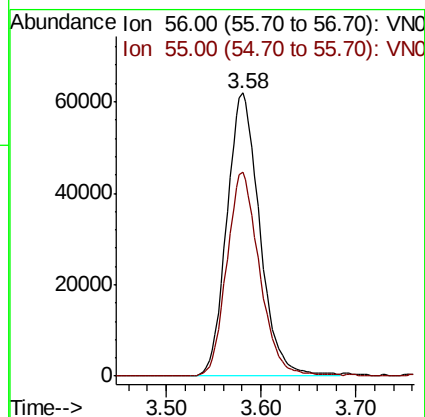
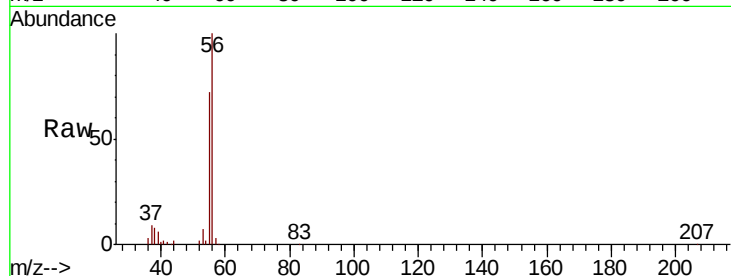
MW-305-SRI4MS

Tot Ion: 56 Resp: 149740

Ion Ratio Lower Upper

56 100

55 71.7 56.4 84.6



#14

Allyl chloride

Concen: 43.472 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

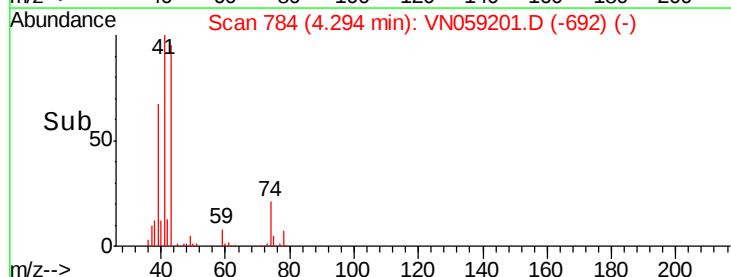
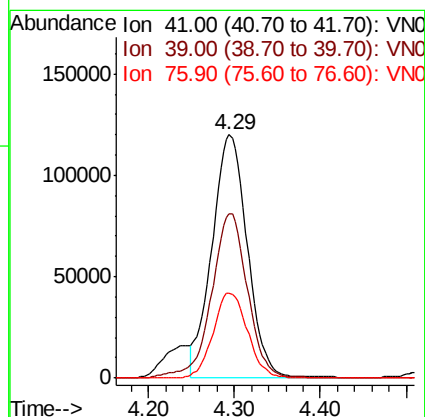
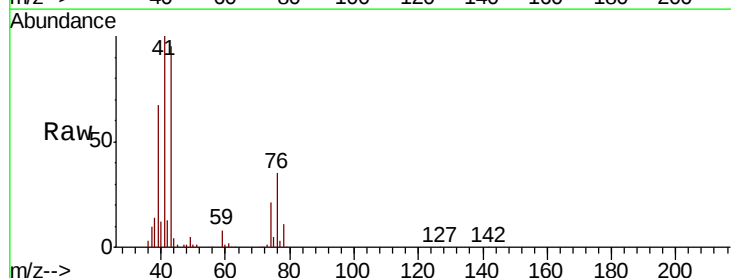
Tgt Ion: 41 Resp: 342401

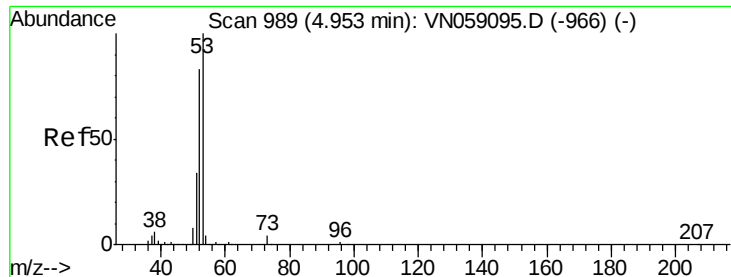
Ion Ratio Lower Upper

41 100

39 69.2 49.1 73.7

76 34.4 24.9 37.3





#15

Acrylonitrile

Concen: 268.726 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MS

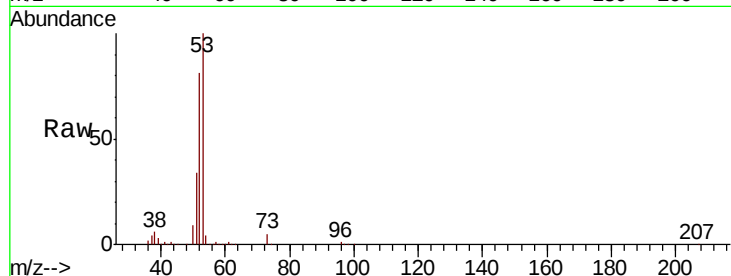
Tot Ion: 53 Resp: 643986

Ion Ratio Lower Upper

53 100

52 81.3 65.0 97.6

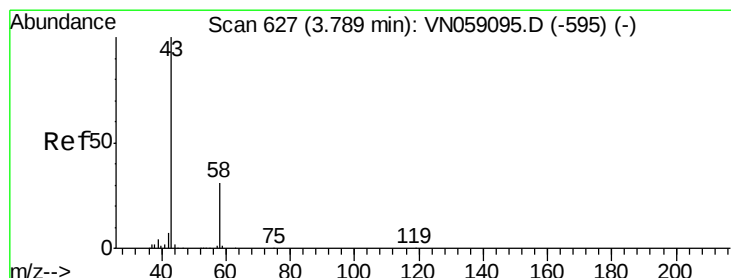
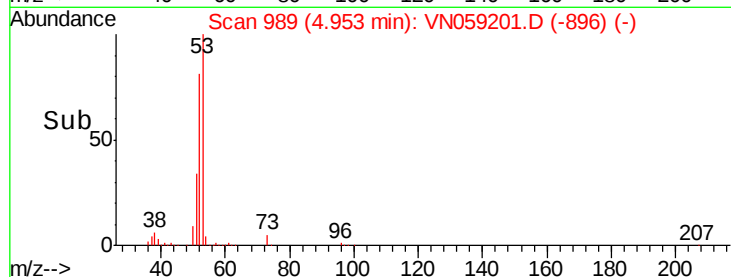
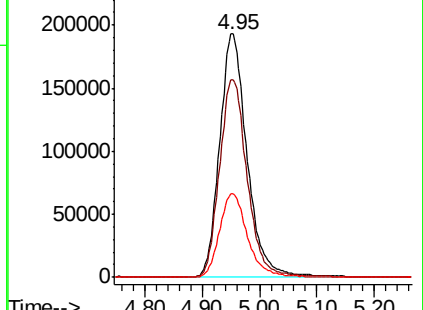
51 35.3 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN059201.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059201.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059201.D (-966) (-)



#16

Acetone

Concen: 206.500 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059201.D

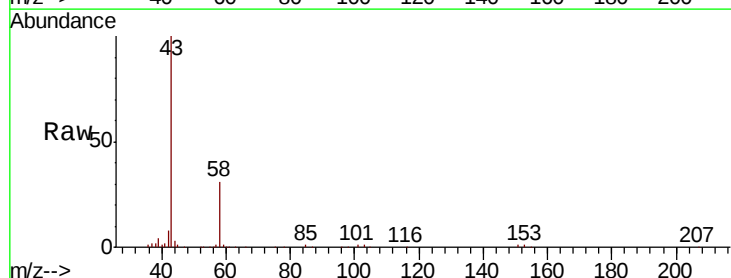
Acq: 12 Nov 2019 19:10

Tgt Ion: 43 Resp: 542586

Ion Ratio Lower Upper

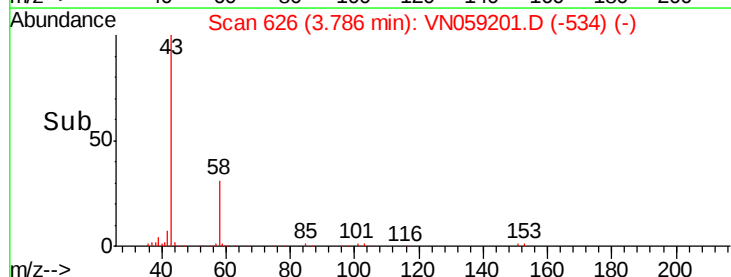
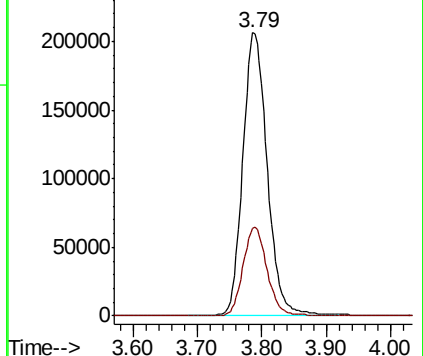
43 100

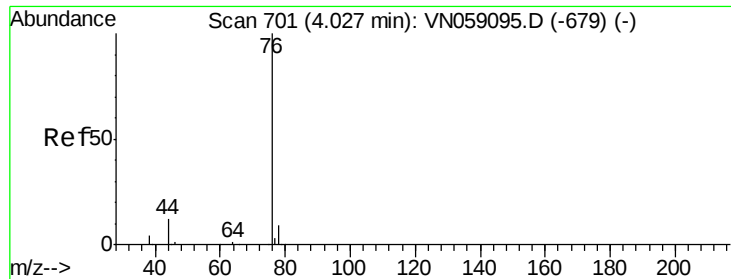
58 31.0 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059201.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059201.D (-534) (-)

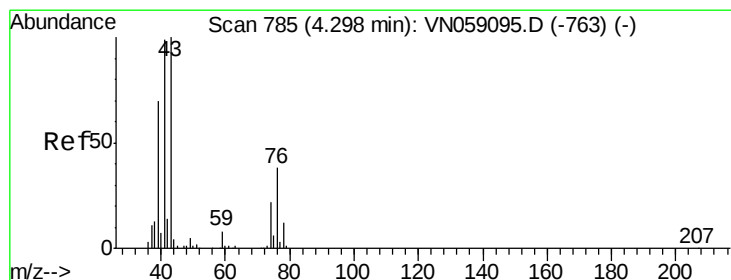
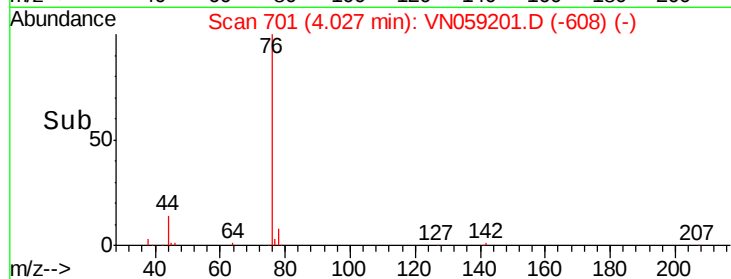
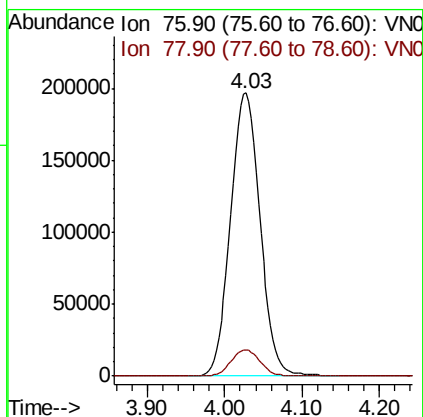
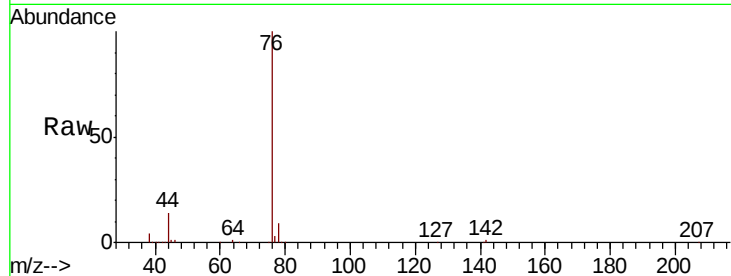




#17
Carbon Disulfide
Concen: 43.746 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

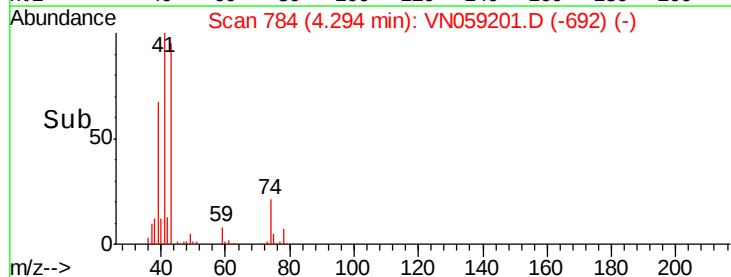
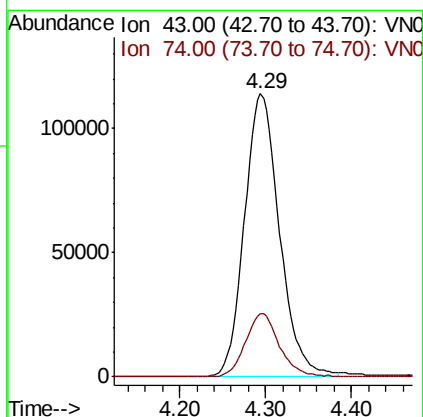
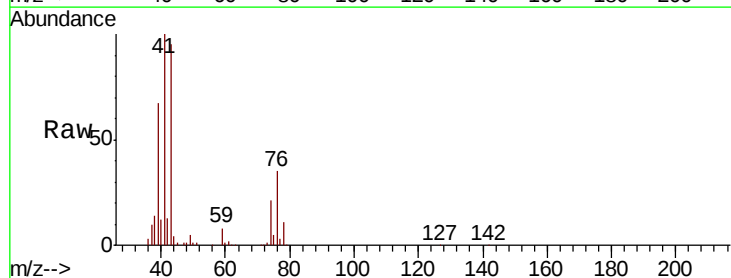
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MS

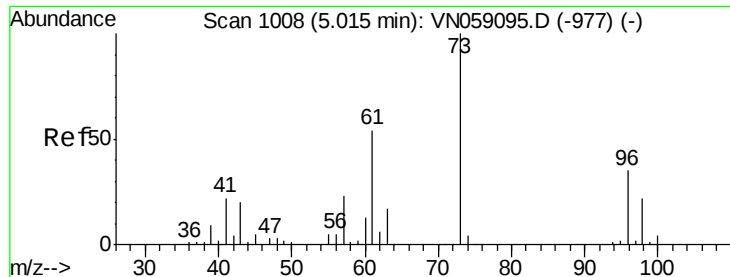
Tot Ion: 76 Resp: 520696
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 51.422 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

Tgt Ion: 43 Resp: 320705
Ion Ratio Lower Upper
43 100
74 21.7 17.8 26.8

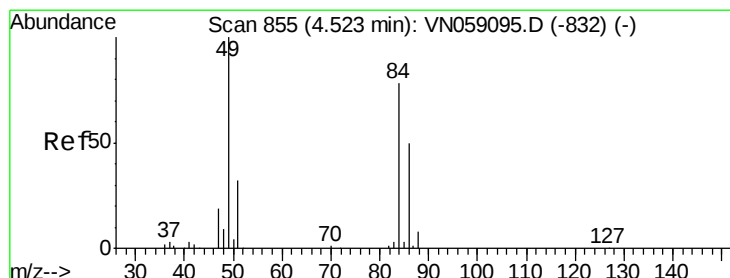
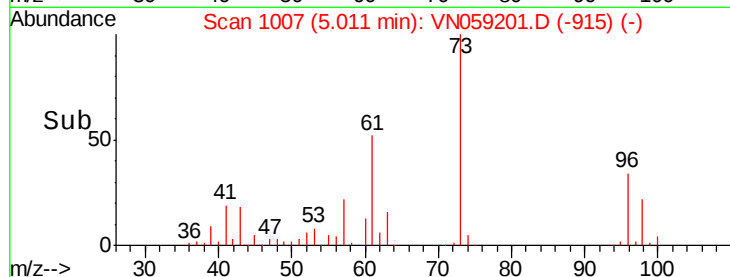
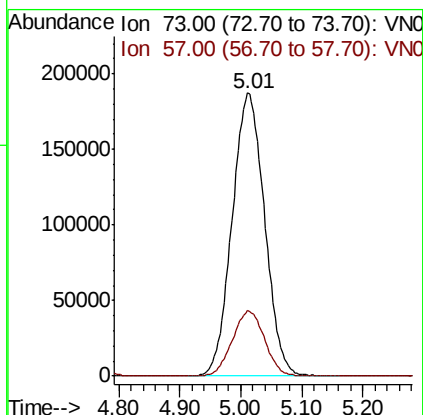
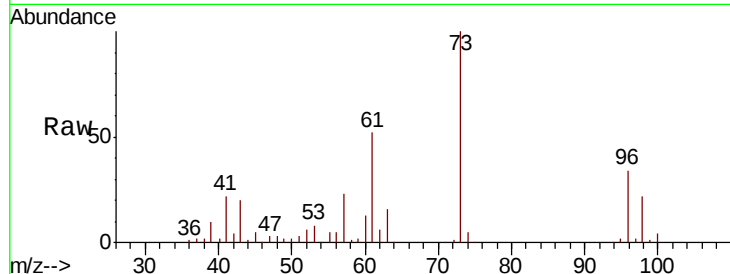




#19
Methyl tert-butyl Ether
Concen: 52.471 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

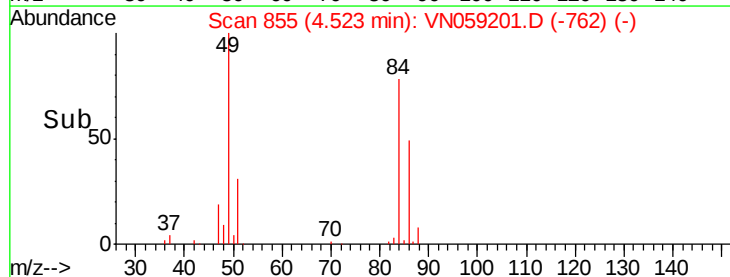
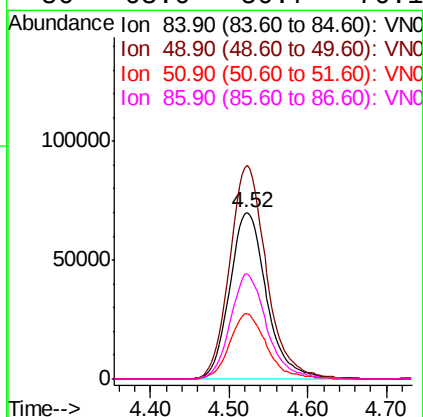
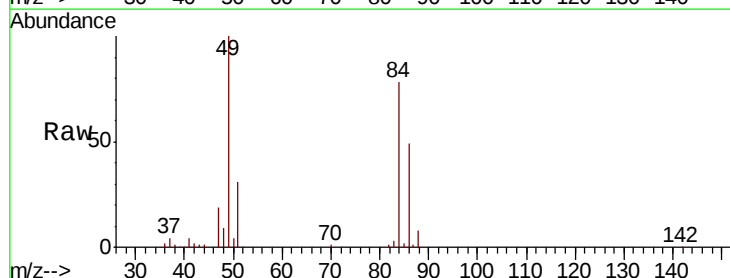
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MS

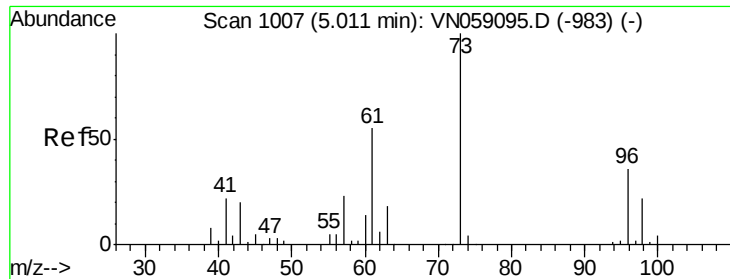
Tot Ion: 73 Resp: 692683
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6



#20
Methylene Chloride
Concen: 50.001 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

Tgt Ion: 84 Resp: 228884
Ion Ratio Lower Upper
84 100
49 128.6 102.0 153.0
51 39.5 32.2 48.2
86 63.0 50.7 76.1

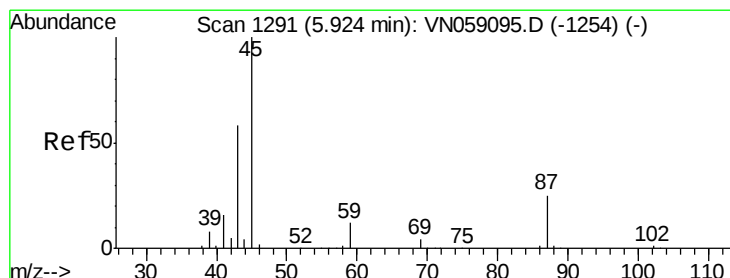
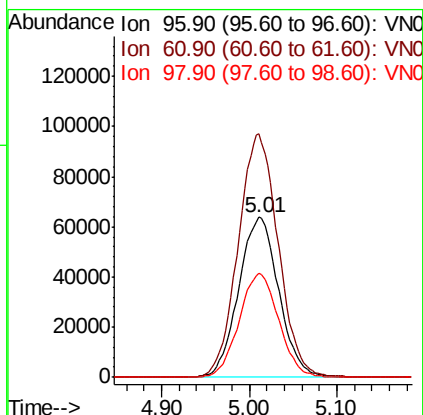
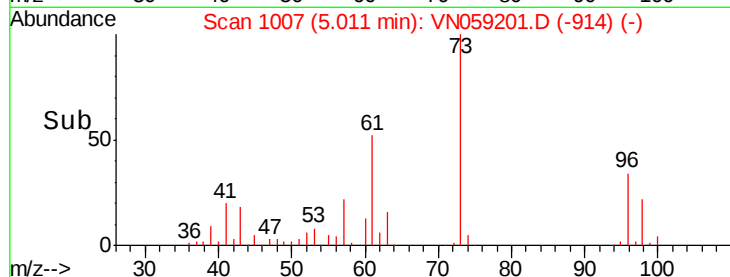
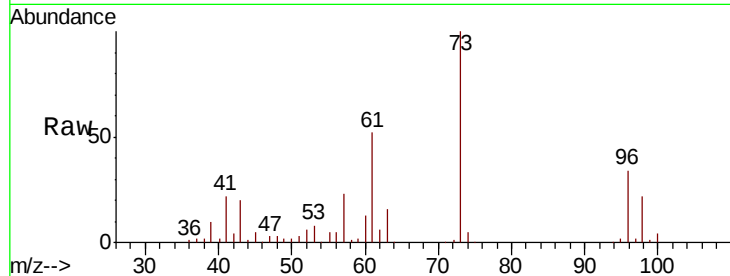




#21
trans-1,2-Dichloroethene
Concen: 49.368 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

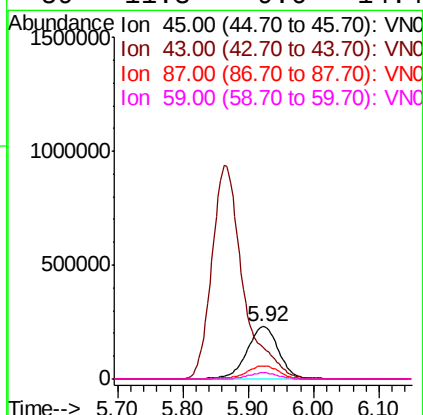
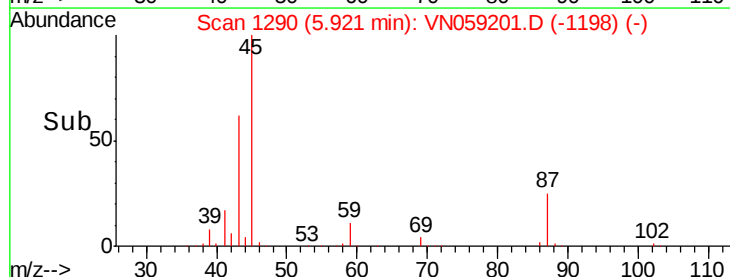
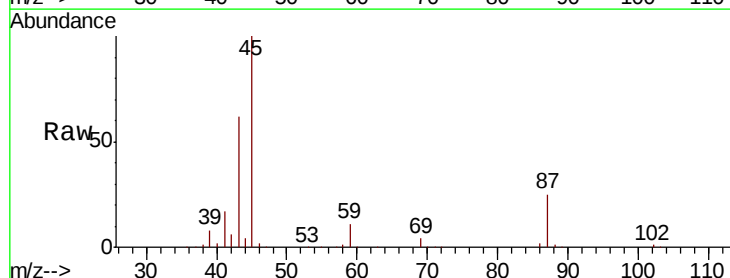
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MS

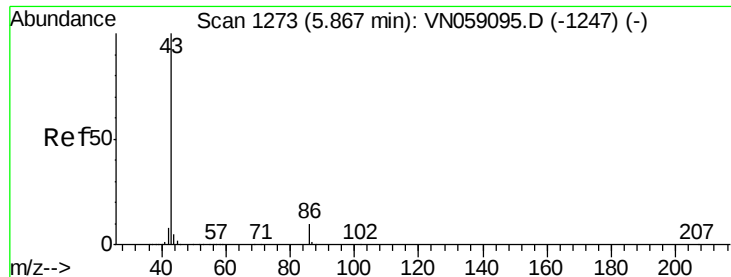
Tot Ion: 96 Resp: 203189
Ion Ratio Lower Upper
96 100
61 152.4 122.6 183.8
98 64.9 50.3 75.5



#22
Diisopropyl ether
Concen: 52.173 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

Tgt Ion: 45 Resp: 776190
Ion Ratio Lower Upper
45 100
43 60.7 46.7 70.1
87 25.2 20.5 30.7
59 11.3 9.6 14.4





#23

Vinyl Acetate

Concen: 270.372 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

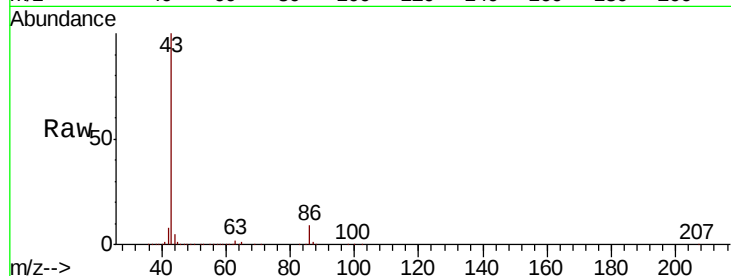
MW-305-SRI4MS

Tot Ion: 43 Resp: 3117411

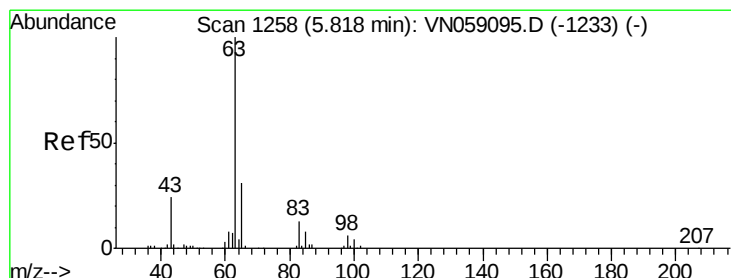
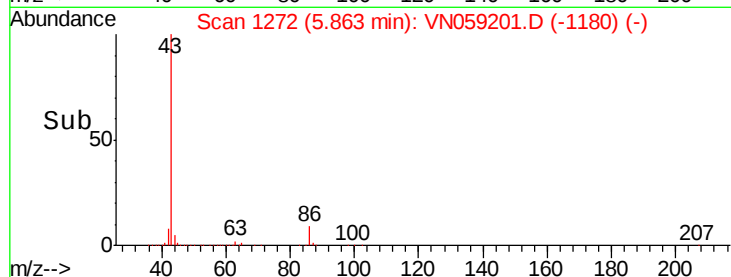
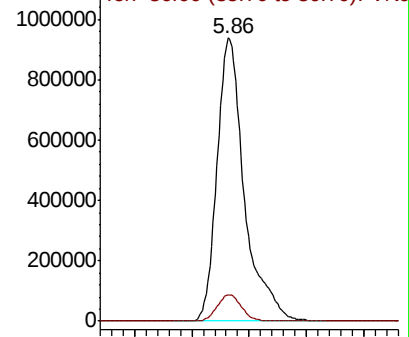
Ion Ratio Lower Upper

43 100

86 9.4 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059201.D (-1180) (-)



#24

1,1-Dichloroethane

Concen: 50.749 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

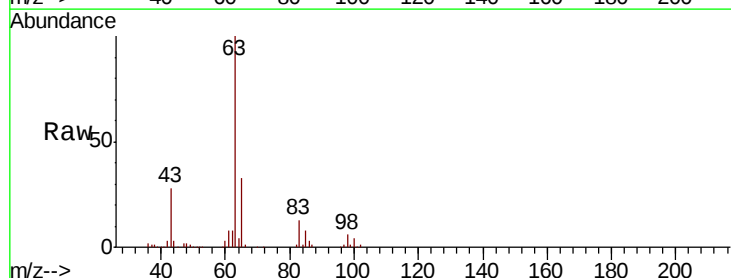
Tgt Ion: 63 Resp: 421691

Ion Ratio Lower Upper

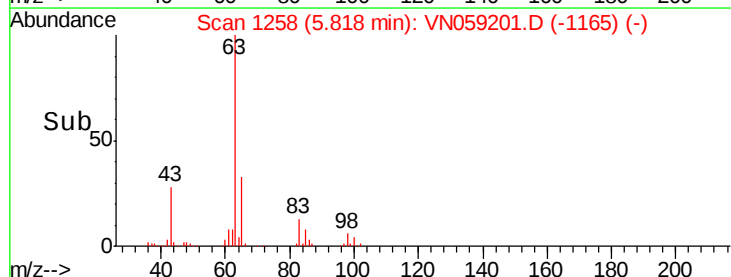
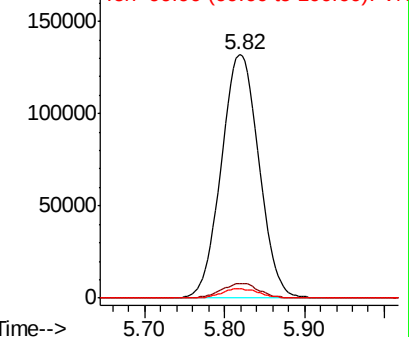
63 100

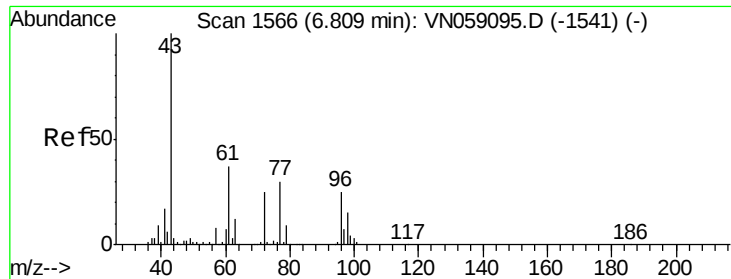
98 6.0 2.8 8.4

100 3.7 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN059201.D (-1165) (-)





#25

2-Butanone

Concen: 248.253 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

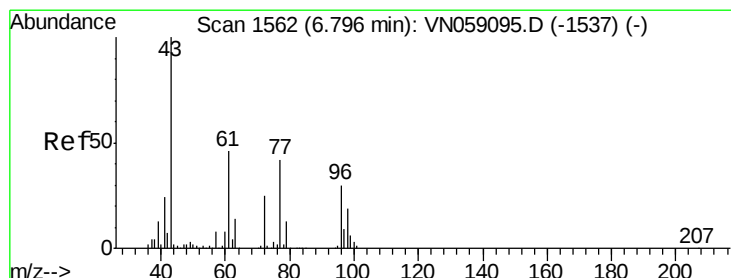
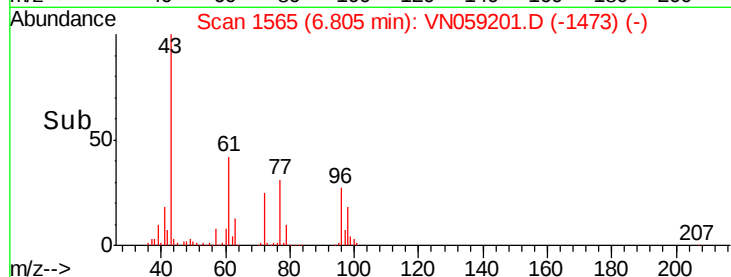
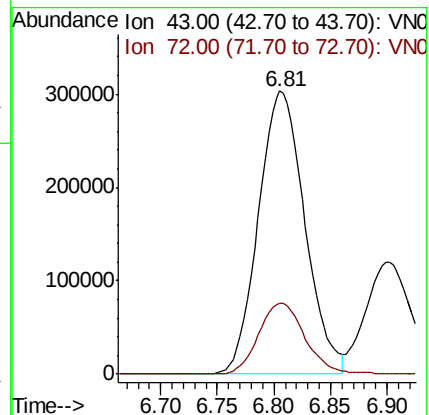
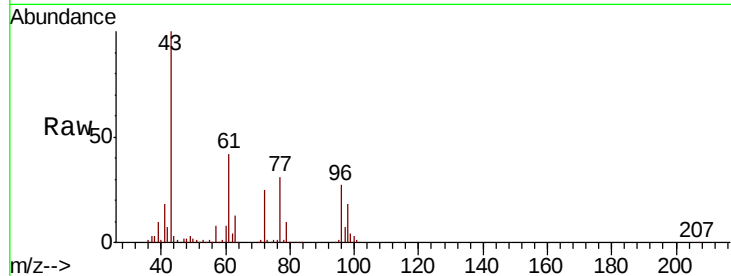
MW-305-SRI4MS

Tot Ion: 43 Resp: 859682

Ion Ratio Lower Upper

43 100

72 25.0 20.3 30.5



#26

2,2-Dichloropropane

Concen: 44.986 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059201.D

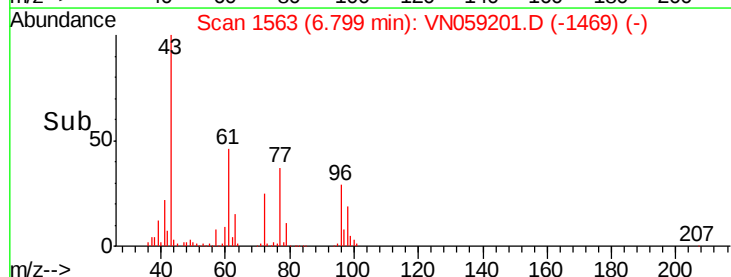
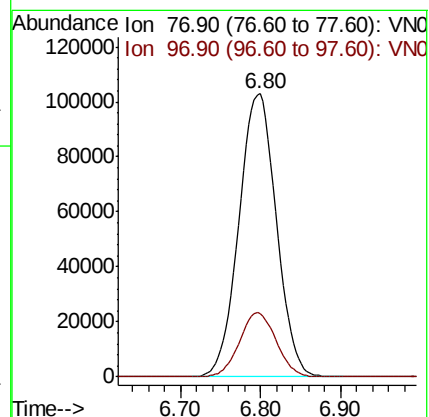
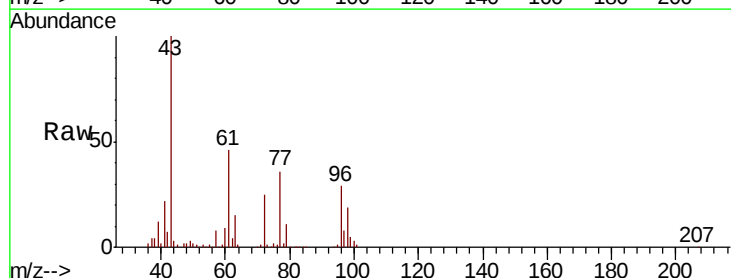
Acq: 12 Nov 2019 19:10

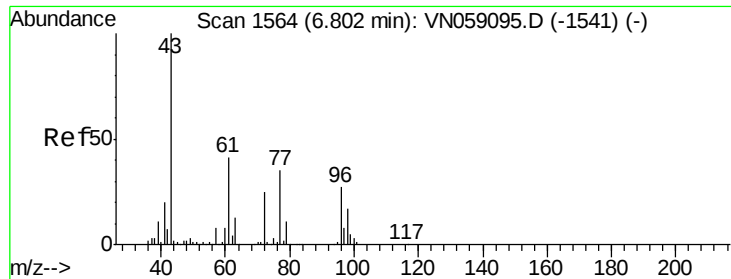
Tgt Ion: 77 Resp: 326856

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 50.994 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MS

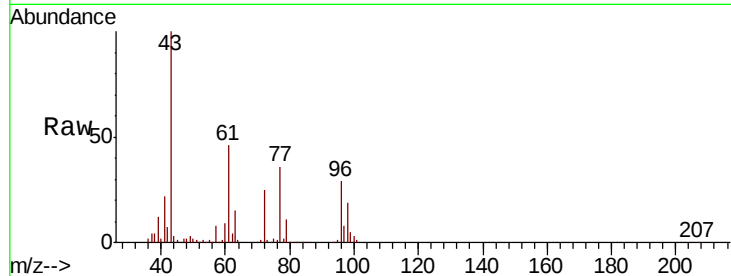
Tot Ion: 96 Resp: 243499

Ion Ratio Lower Upper

96 100

61 155.1 0.0 311.6

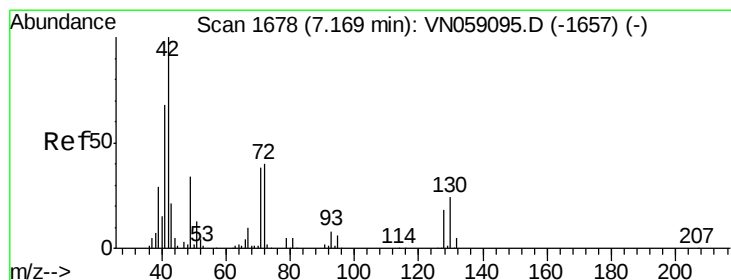
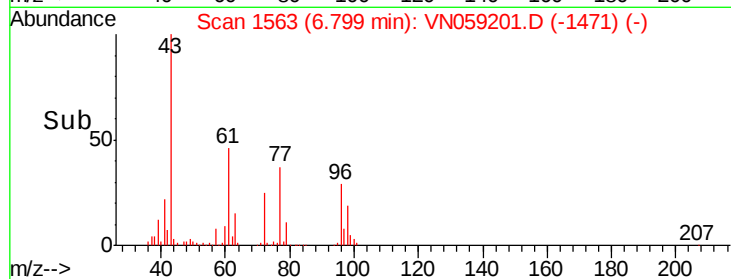
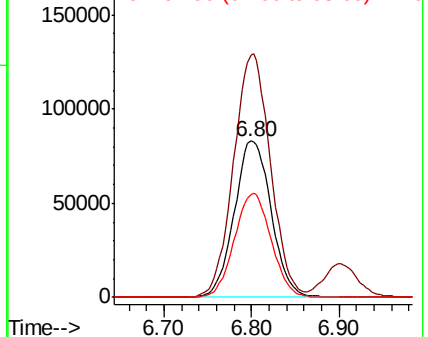
98 66.1 0.0 129.8



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: 50.459 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

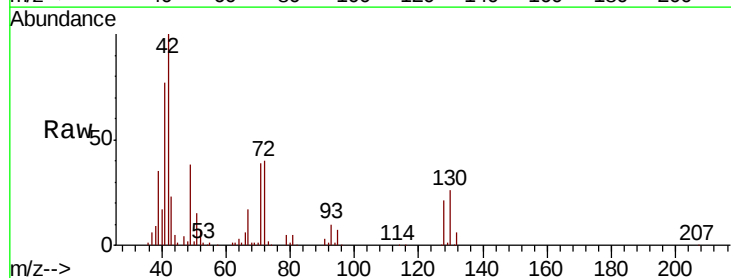
Tgt Ion: 49 Resp: 126142

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

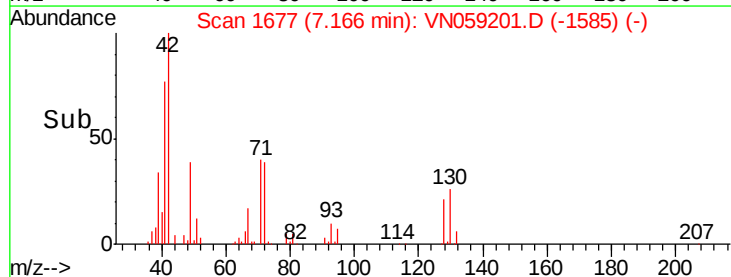
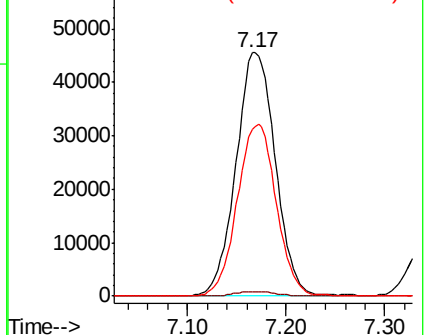
130 69.7 55.6 83.4

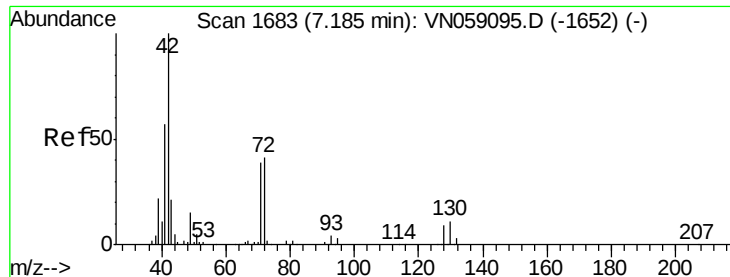


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 264.589 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MS

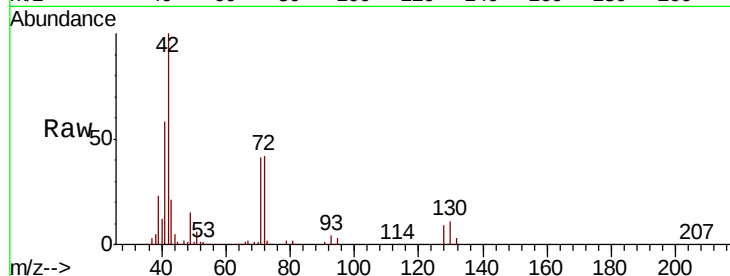
Tot Ion: 42 Resp: 582186

Ion Ratio Lower Upper

42 100

72 41.2 33.1 49.7

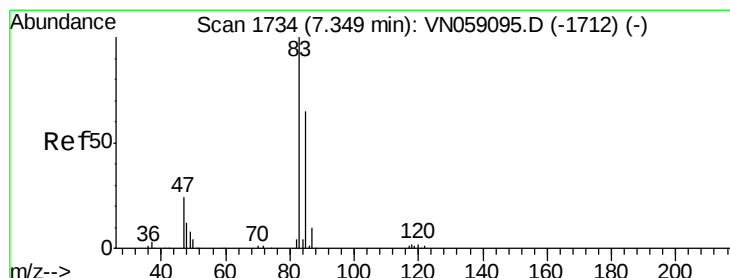
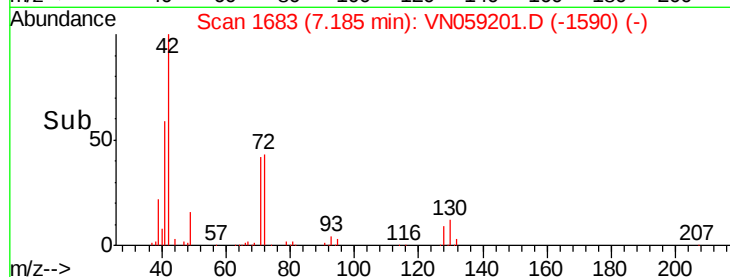
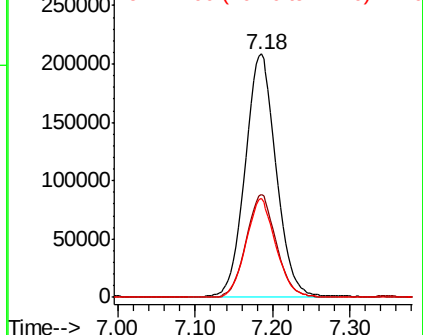
71 39.4 30.9 46.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 51.331 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059201.D

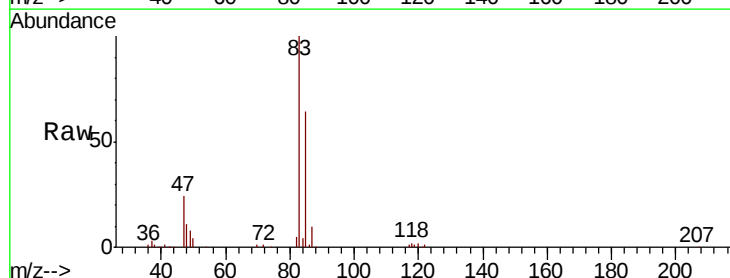
Acq: 12 Nov 2019 19:10

Tgt Ion: 83 Resp: 409157

Ion Ratio Lower Upper

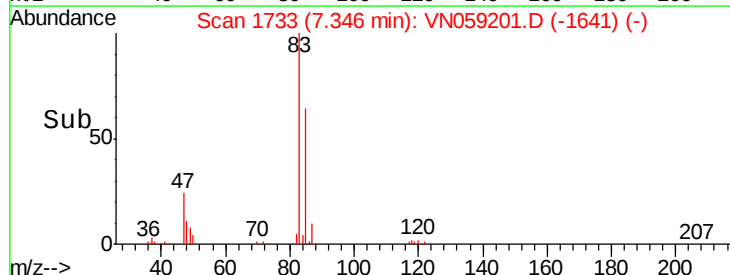
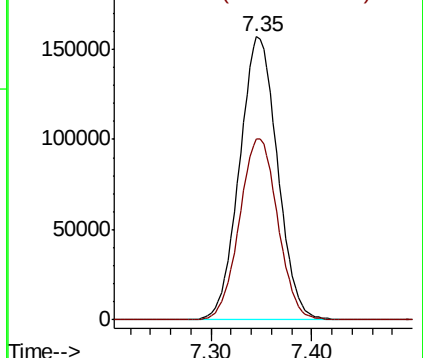
83 100

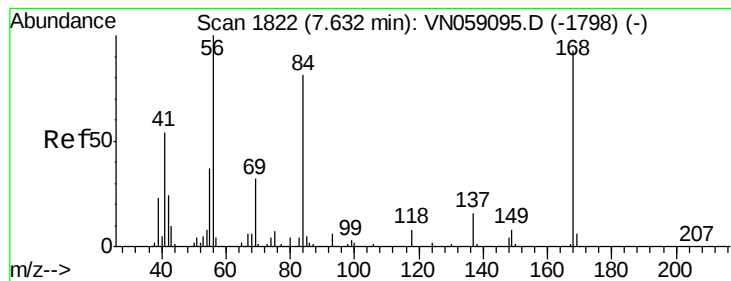
85 63.9 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 46.652 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MS

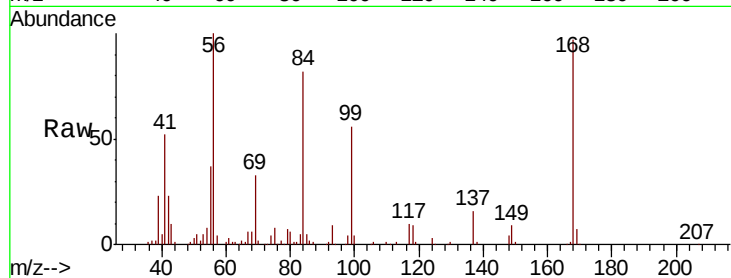
Tot Ion: 56 Resp: 366977

Ion Ratio Lower Upper

56 100

69 33.2 25.8 38.8

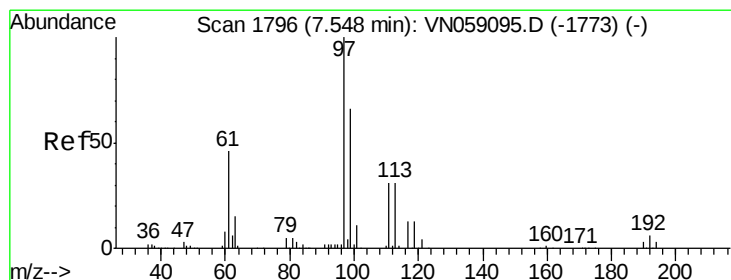
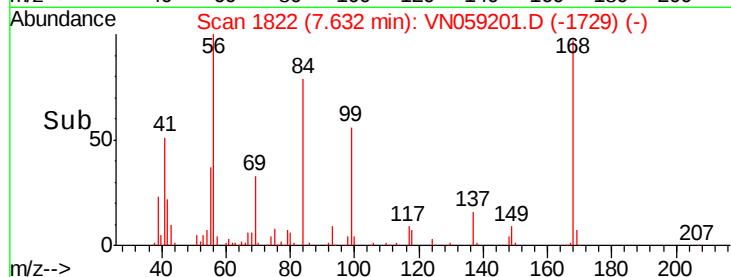
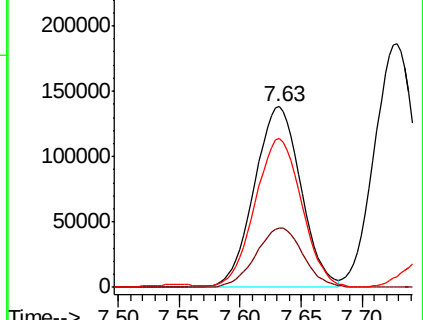
84 80.9 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN059201.D (-1798) (-)

Ion 69.00 (68.70 to 69.70): VN059201.D (-1798) (-)

Ion 84.00 (83.70 to 84.70): VN059201.D (-1798) (-)



#32

1,1,1-Trichloroethane

Concen: 52.265 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

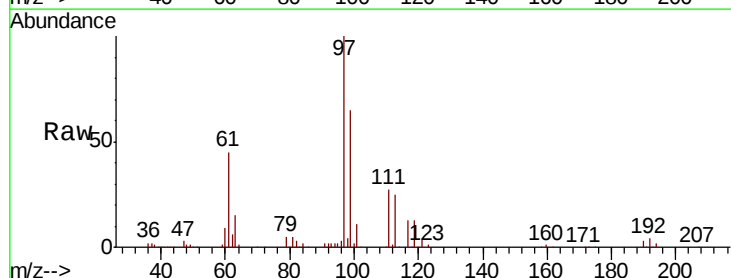
Tgt Ion: 97 Resp: 350258

Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.6

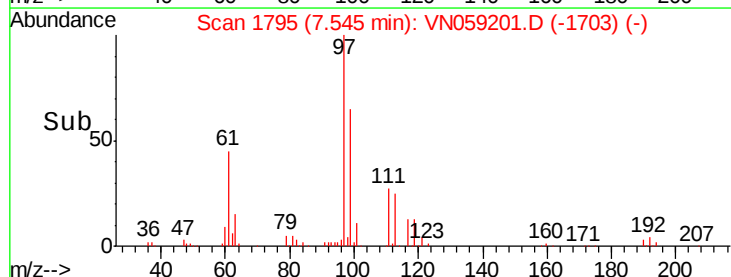
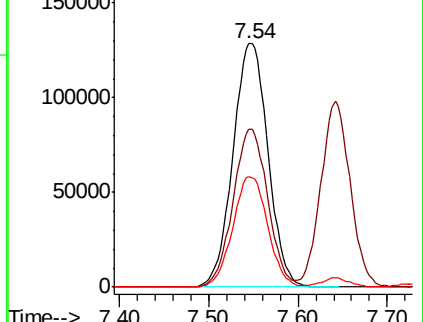
61 45.4 35.8 53.8

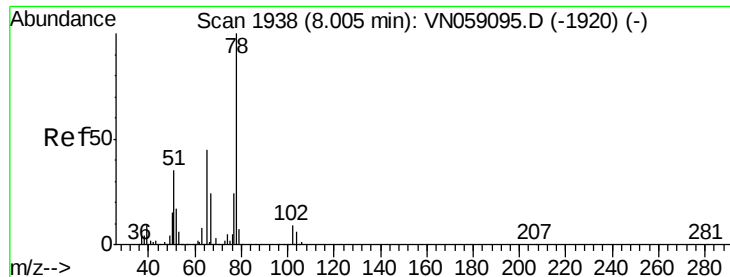


Abundance Ion 96.90 (96.60 to 97.60): VN059201.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN059201.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN059201.D (-1703) (-)





#33

1,2-Dichloroethane-d4

Concen: 50.188 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

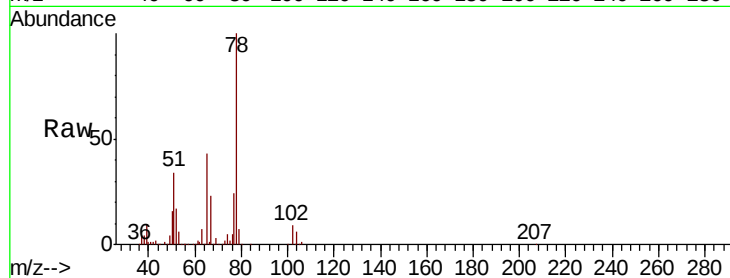
MW-305-SRI4MS

Tot Ion: 65 Resp: 253588

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059095.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN059095.D (-1920) (-)

8.00

120000

100000

80000

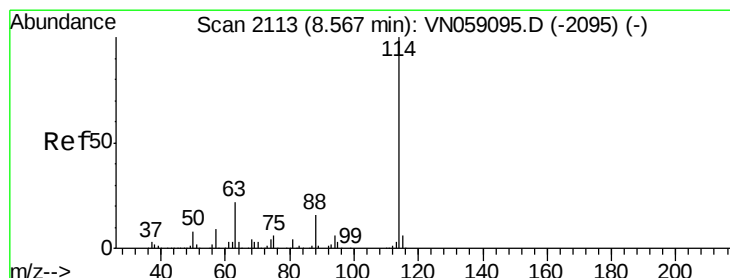
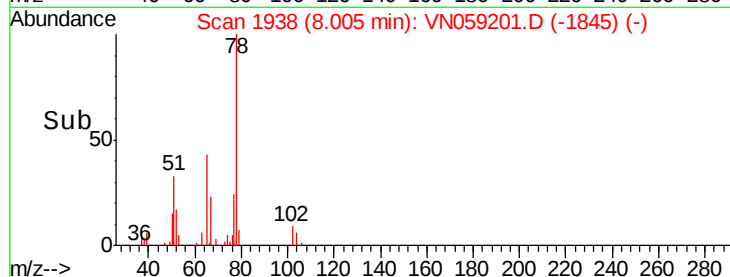
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

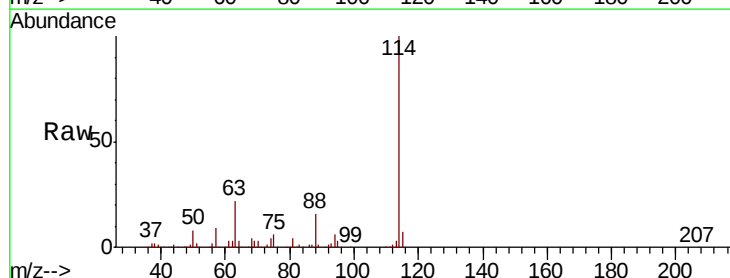
Tgt Ion: 114 Resp: 644865

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

88 16.0 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059095.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN059095.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN059095.D (-2095) (-)

8.57

400000

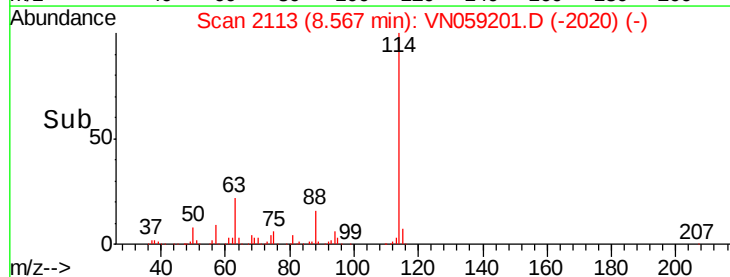
300000

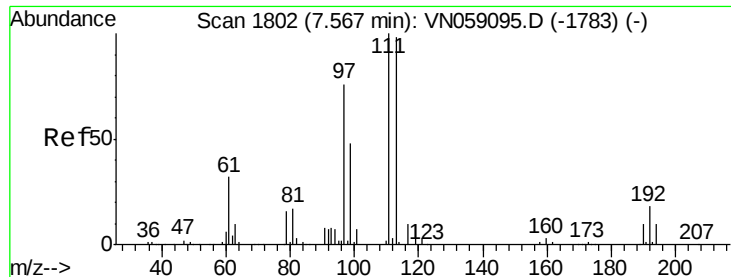
200000

100000

0

Time-->

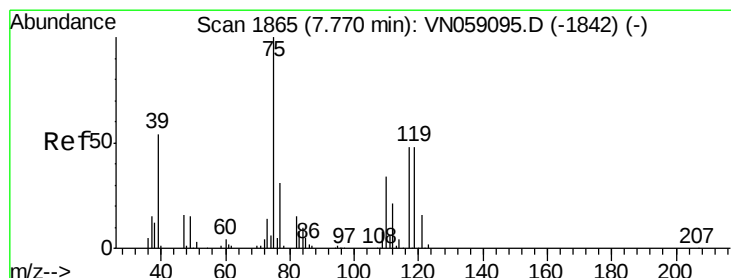
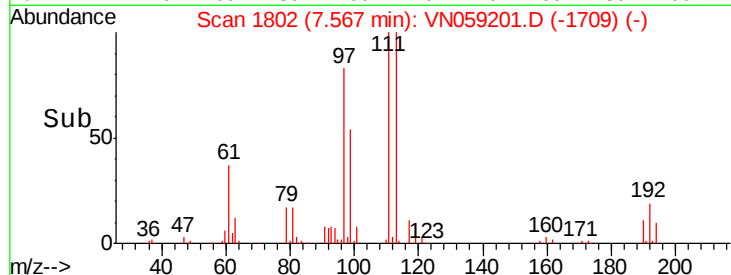
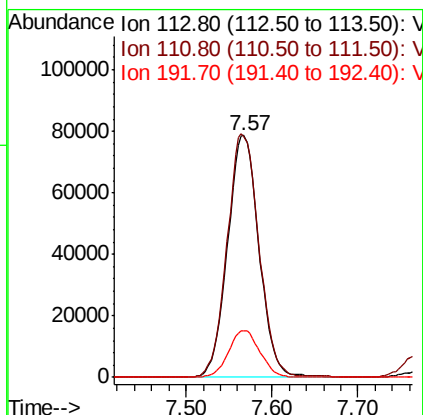
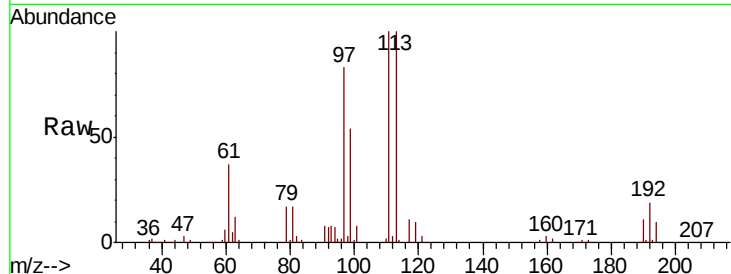




#35
 Dibromofluoromethane
 Concen: 51.705 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059201.D
 Acq: 12 Nov 2019 19:10

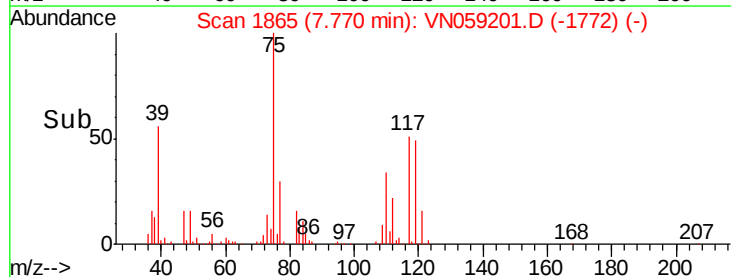
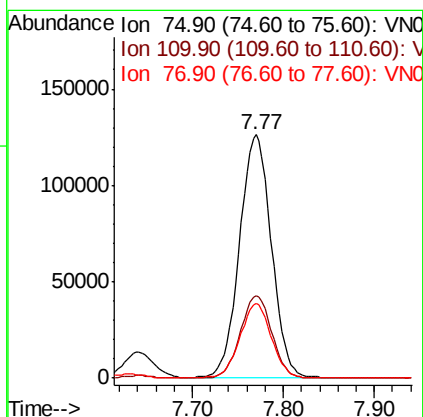
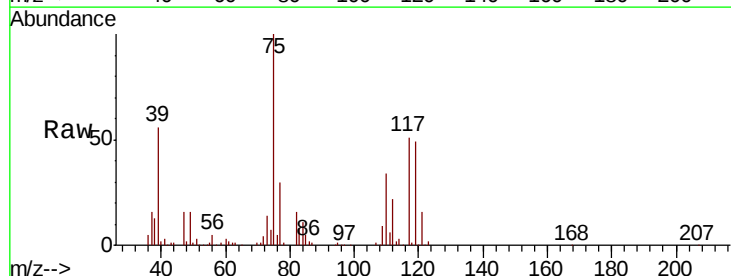
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MS

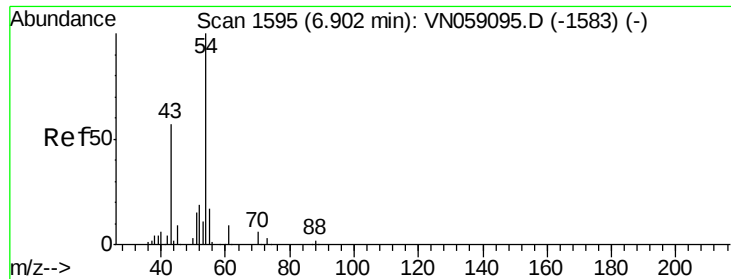
Tot Ion:113 Resp: 199090
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.8 124.2
 192 19.3 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 50.813 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059201.D
 Acq: 12 Nov 2019 19:10

Tgt Ion: 75 Resp: 306281
 Ion Ratio Lower Upper
 75 100
 110 33.5 17.1 51.2
 77 30.6 24.8 37.2

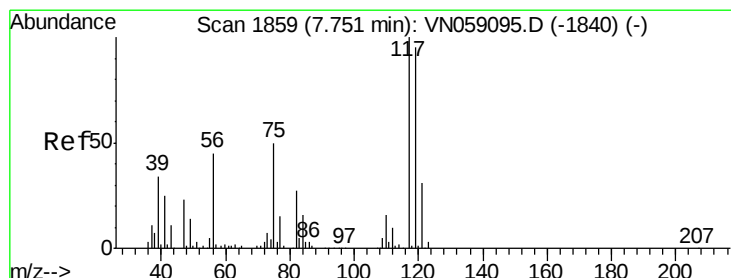
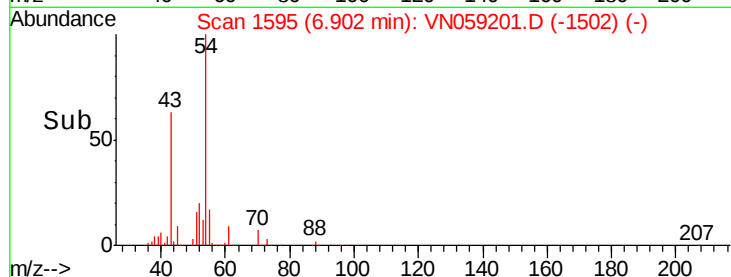
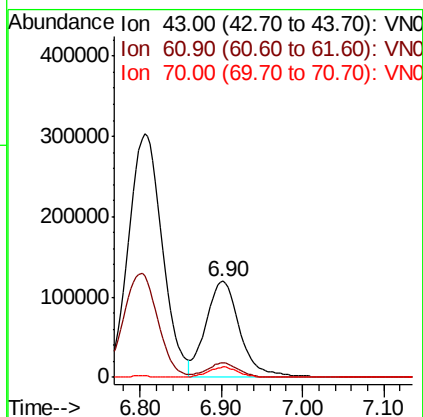
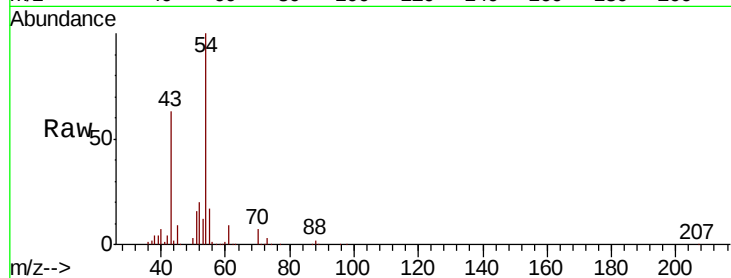




#37
Ethyl Acetate
Concen: 51.892 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

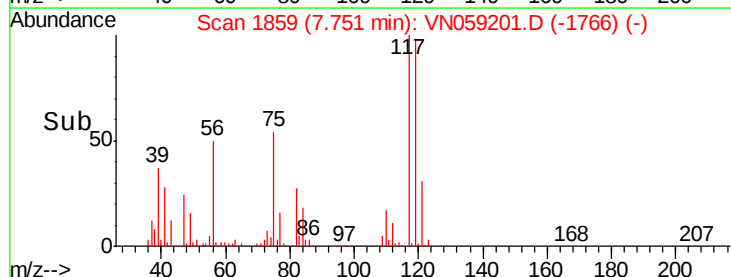
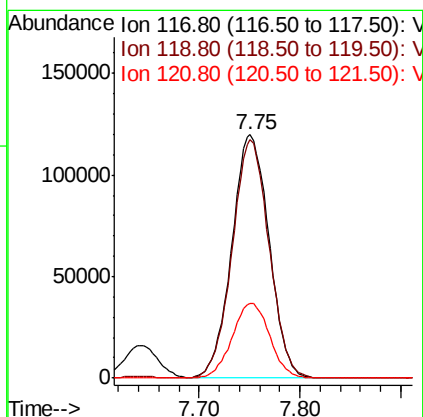
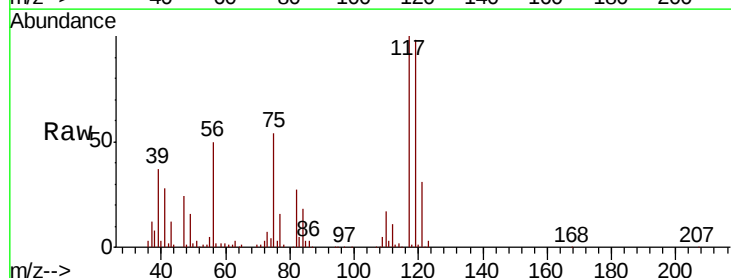
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MS

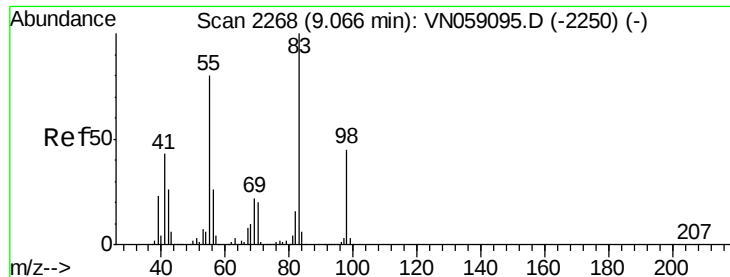
Tot Ion: 43 Resp: 347962
Ion Ratio Lower Upper
43 100
61 14.2 11.2 16.8
70 9.6 7.8 11.8



#38
Carbon Tetrachloride
Concen: 51.110 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

Tgt Ion: 117 Resp: 306626
Ion Ratio Lower Upper
117 100
119 98.1 75.6 113.4
121 30.9 24.6 36.8

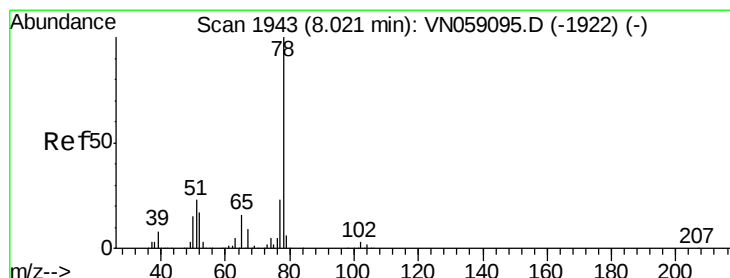
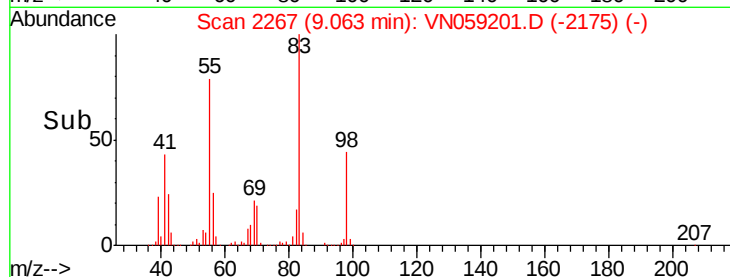
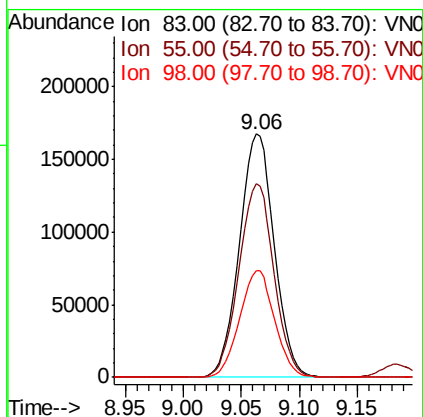
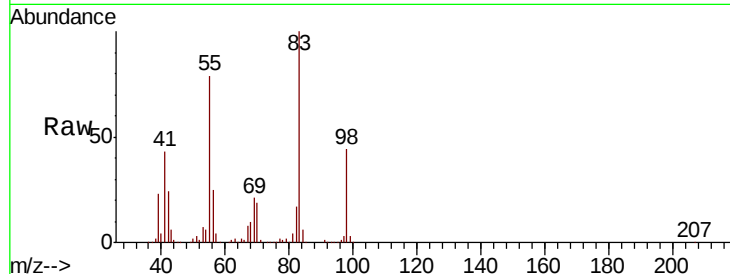




#39
Methvlcvclohexane
Concen: 50.125 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

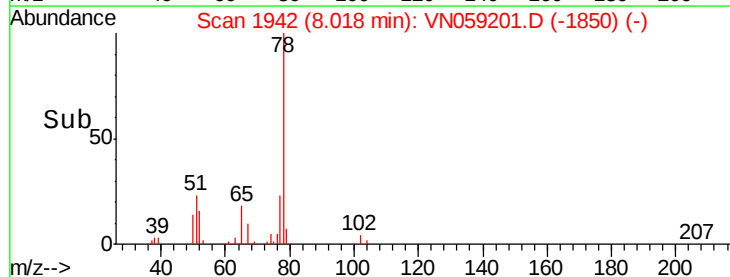
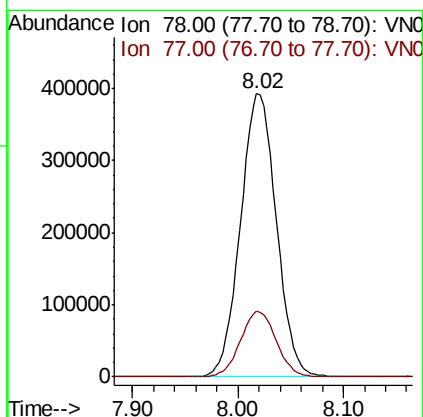
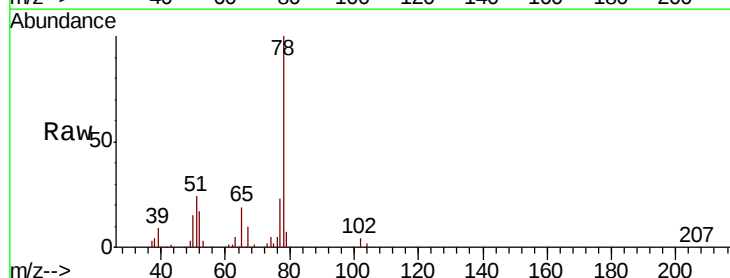
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MS

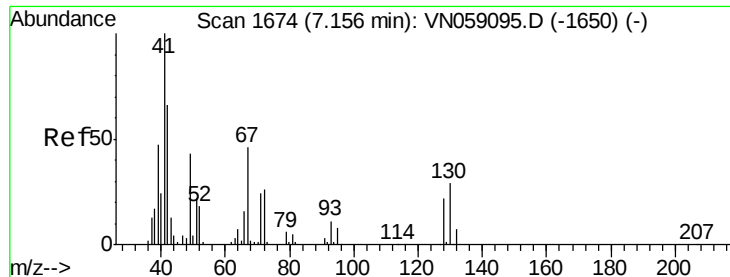
Tot Ion	83.00	Resp	350653
Ion	Ratio	Lower	Upper
83	100		
55	79.4	63.9	95.9
98	43.9	35.6	53.4



#40
Benzene
Concen: 51.138 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

Tgt Ion	78	Resp	928226
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





#41

Methacrylonitrile

Concen: 55.202 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampled :

MW-305-SRI4MS

Tot Ion: 41 Resp: 160962

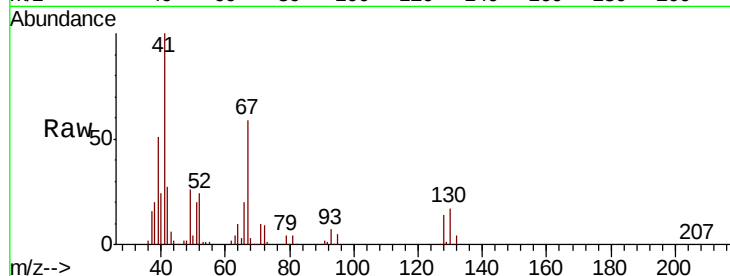
Ion Ratio Lower Upper

41 100

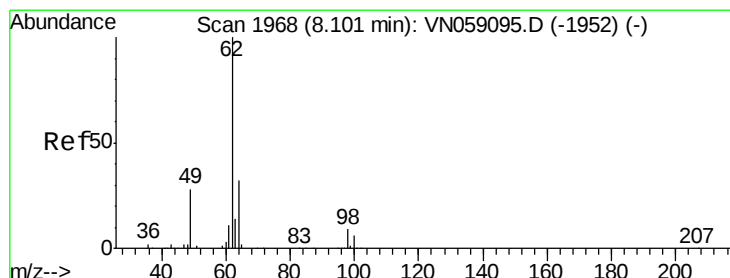
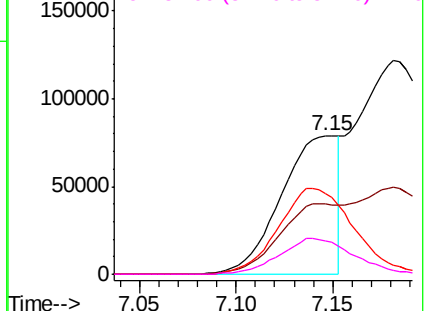
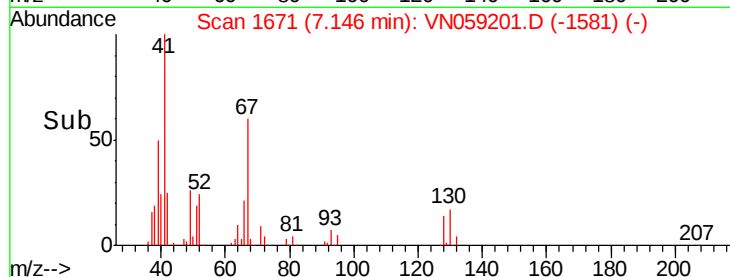
39 51.3 0.0 0.0#

67 82.8 0.0 0.0#

52 34.5 0.0 0.0#



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



#42

1,2-Dichloroethane

Concen: 52.216 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VN059201.D

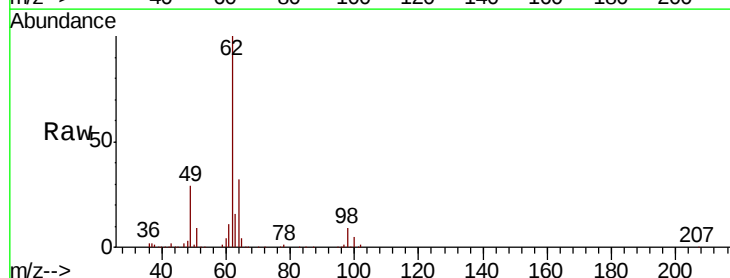
Acq: 12 Nov 2019 19:10

Tgt Ion: 62 Resp: 325064

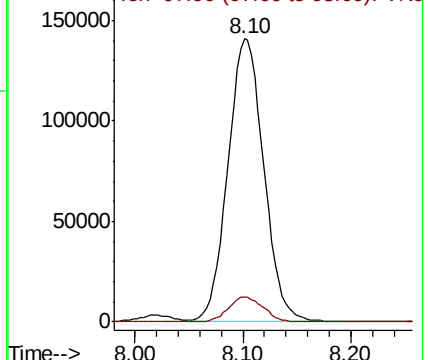
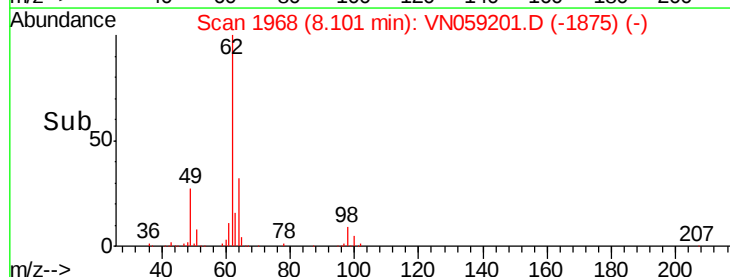
Ion Ratio Lower Upper

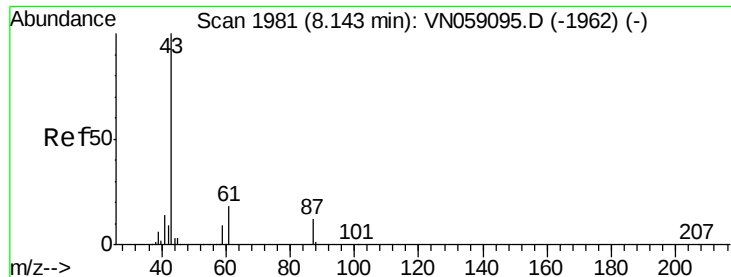
62 100

98 8.5 0.0 17.8



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

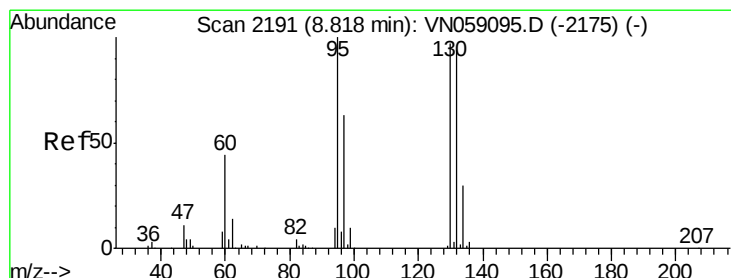
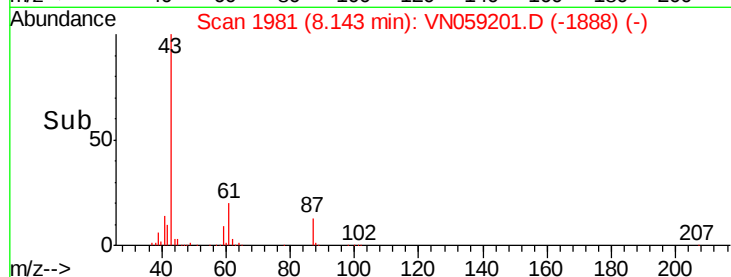
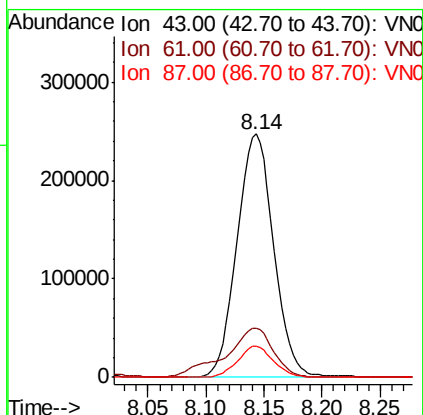
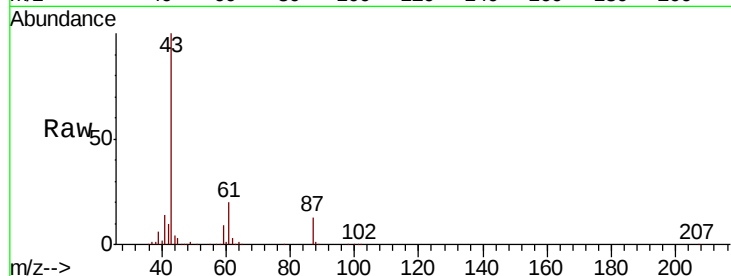




#43
Isopropyl Acetate
Concen: 50.735 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

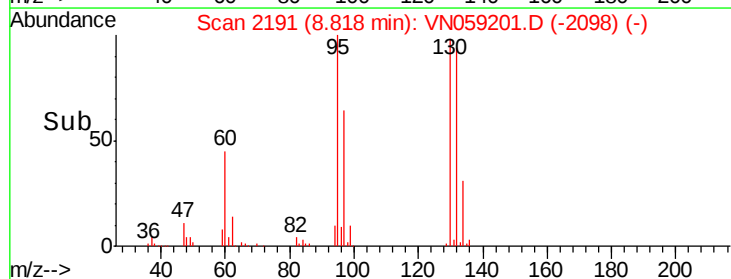
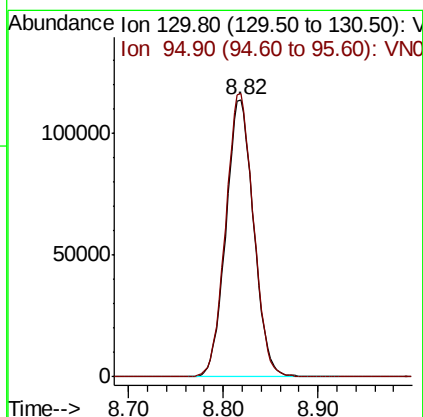
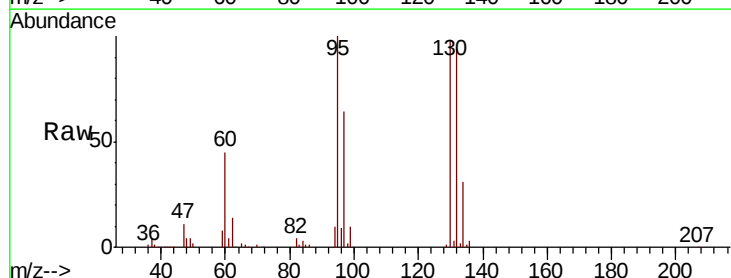
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MS

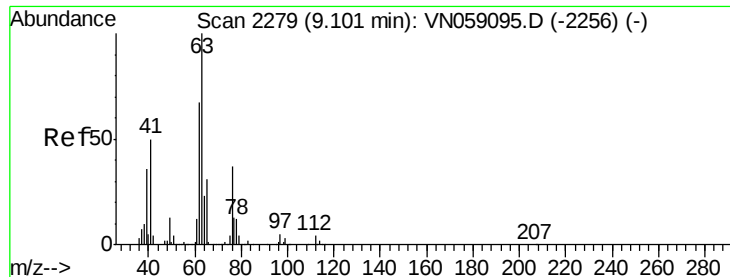
Tot Ion: 43 Resp: 542370
Ion Ratio Lower Upper
43 100
61 26.8 21.0 31.6
87 12.5 9.8 14.6



#44
Trichloroethene
Concen: 52.013 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

Tgt Ion: 130 Resp: 232078
Ion Ratio Lower Upper
130 100
95 102.1 0.0 206.4





#45

1,2-Dichloropropane

Concen: 51.903 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

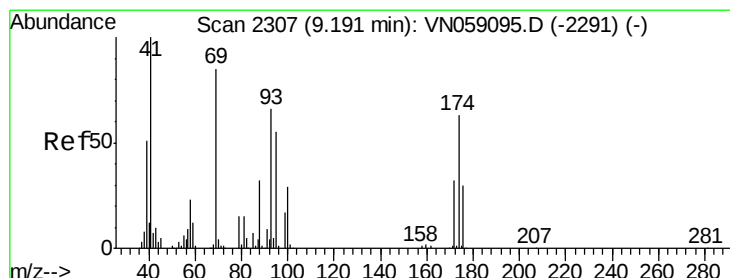
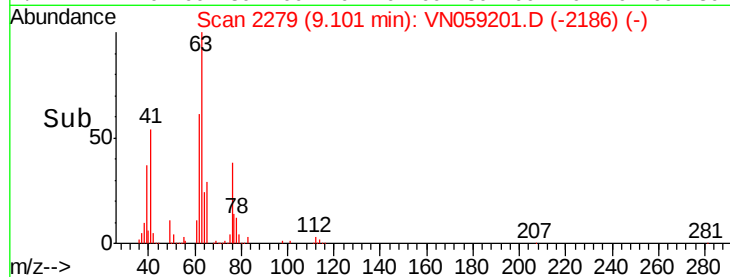
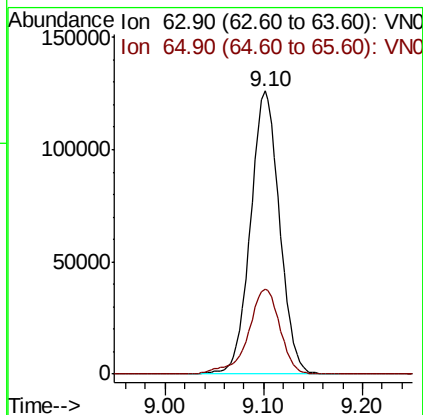
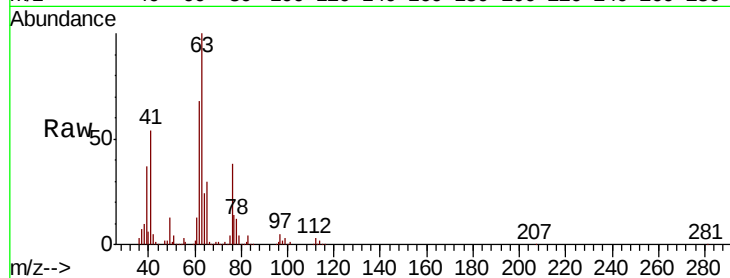
MW-305-SRI4MS

Tot Ion: 63 Resp: 255890

Ion Ratio Lower Upper

63 100

65 30.1 24.6 37.0



#46

Dibromomethane

Concen: 51.084 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

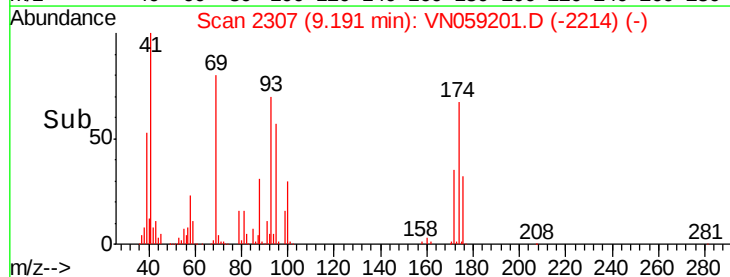
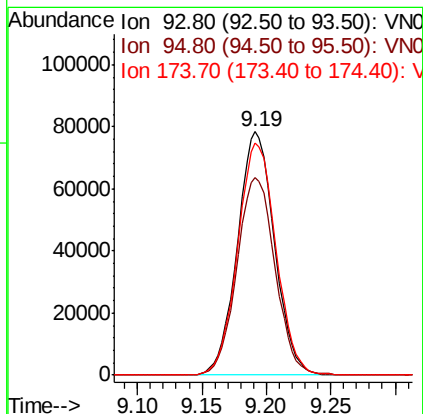
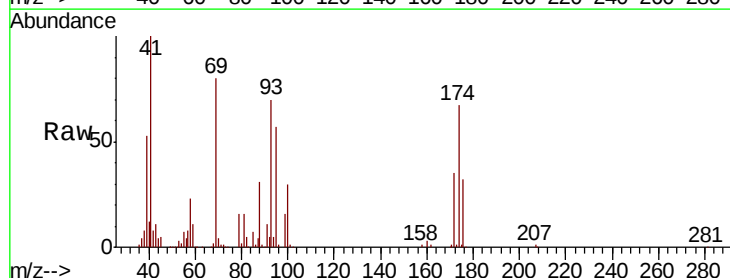
Tgt Ion: 93 Resp: 156943

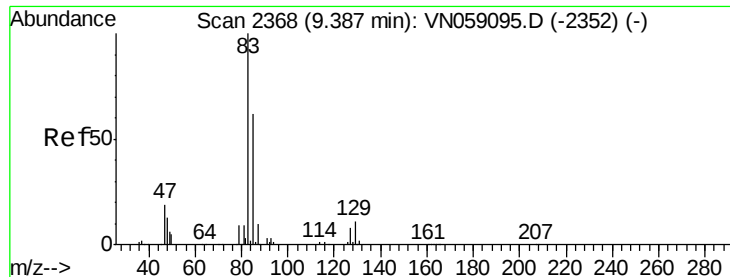
Ion Ratio Lower Upper

93 100

95 83.5 66.6 100.0

174 98.6 78.2 117.2





#47

Bromodichloromethane

Concen: 52.759 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MS

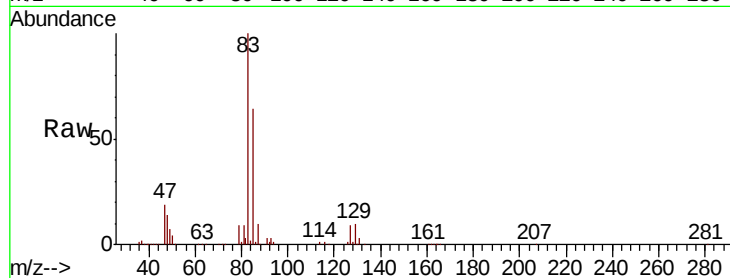
Tot Ion: 83 Resp: 323665

Ion Ratio Lower Upper

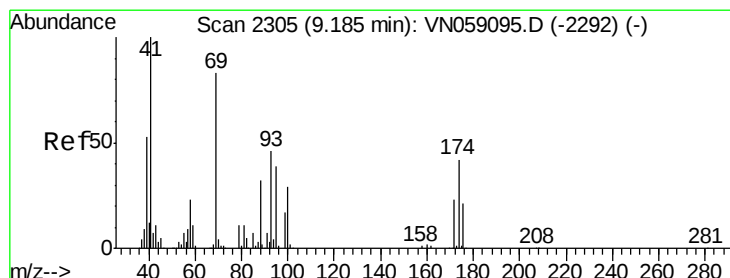
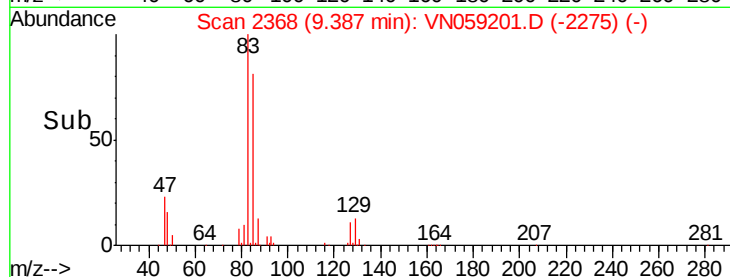
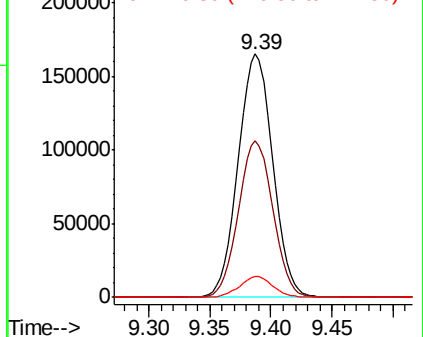
83 100

85 64.3 49.7 74.5

127 8.8 6.4 9.6



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



#48

Methyl methacrylate

Concen: 53.014 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

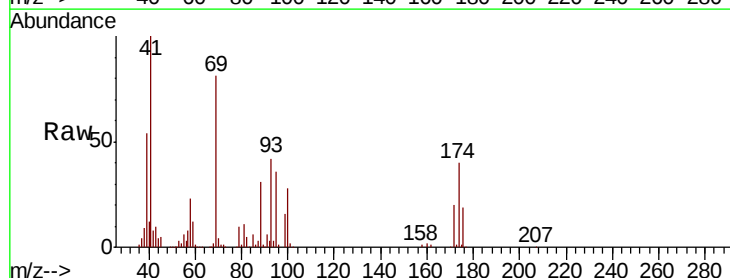
Tgt Ion: 41 Resp: 253501

Ion Ratio Lower Upper

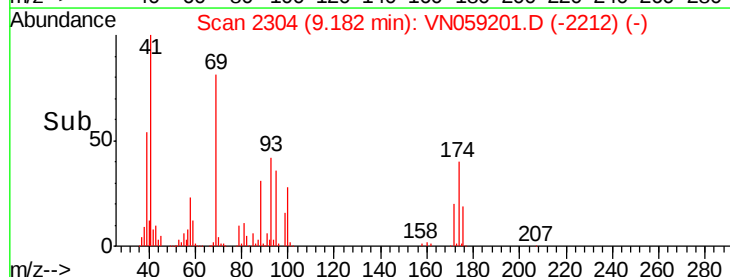
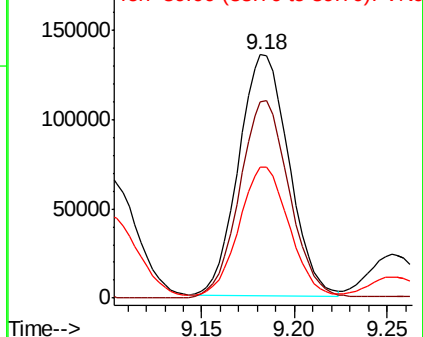
41 100

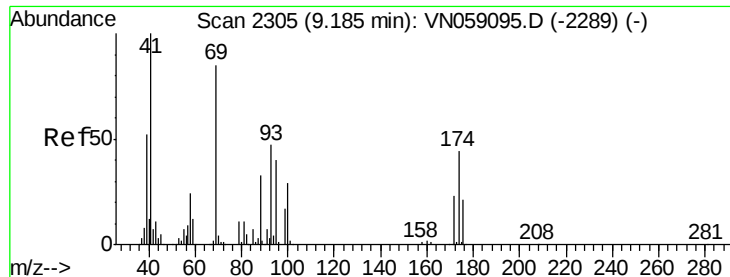
69 82.3 67.3 100.9

39 54.9 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: 1036.590 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MS

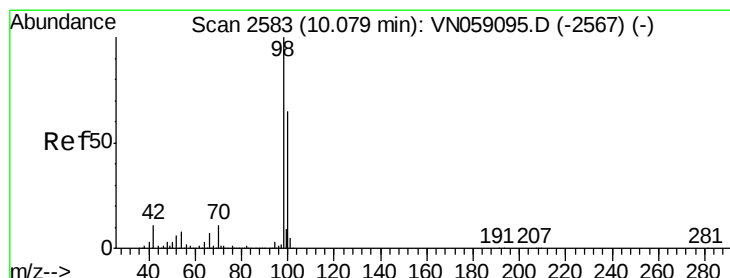
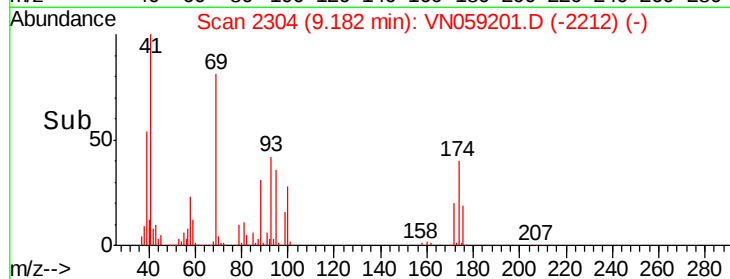
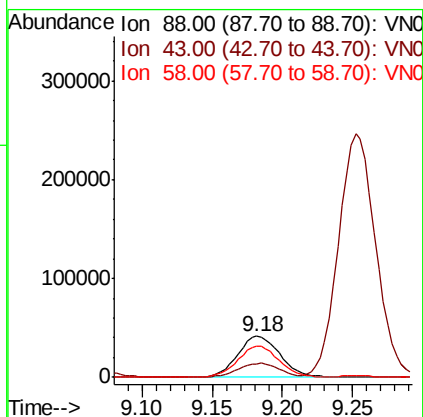
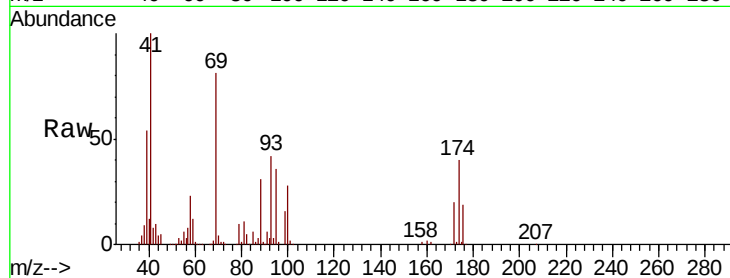
Tot Ion: 88 Resp: 88088

Ion Ratio Lower Upper

88 100

43 33.5 26.3 39.5

58 74.0 60.6 90.8



#50

Toluene-d8

Concen: 49.982 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059201.D

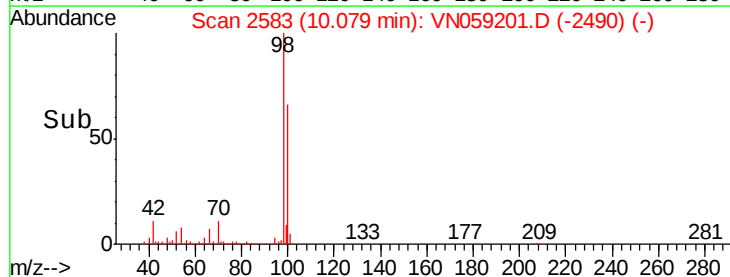
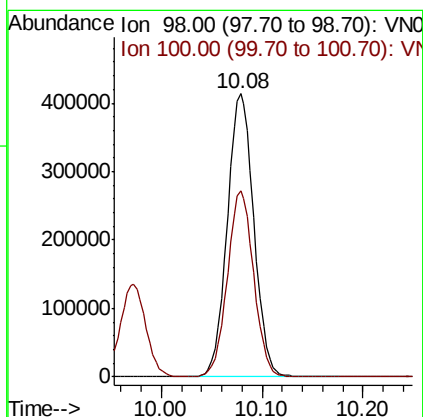
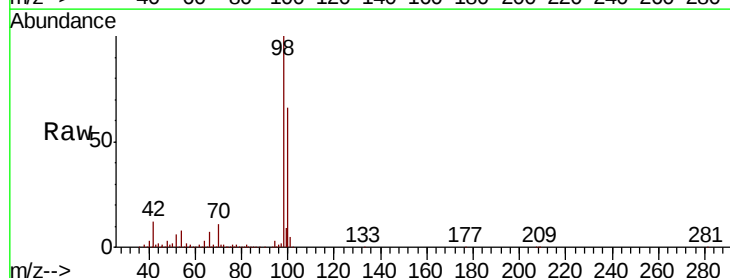
Acq: 12 Nov 2019 19:10

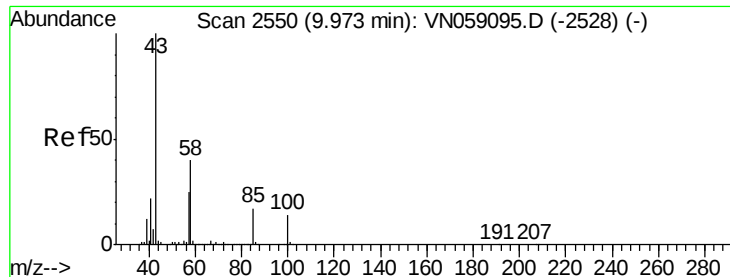
Tgt Ion: 98 Resp: 758061

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2

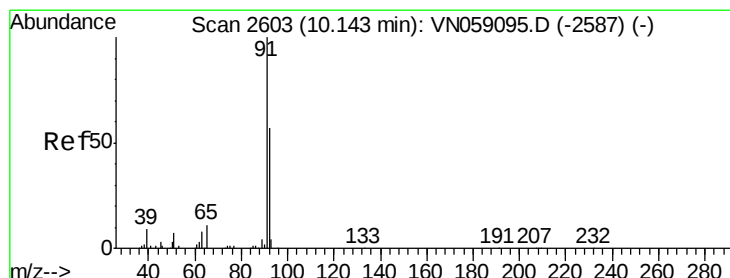
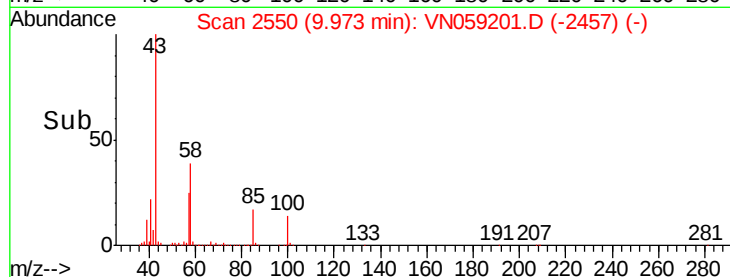
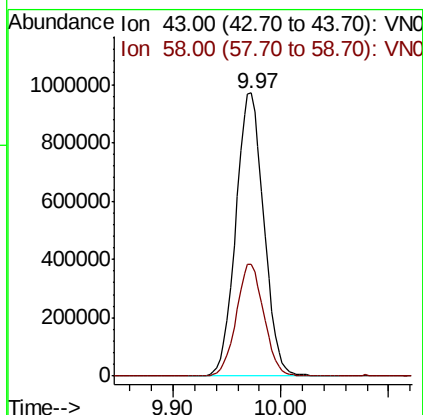
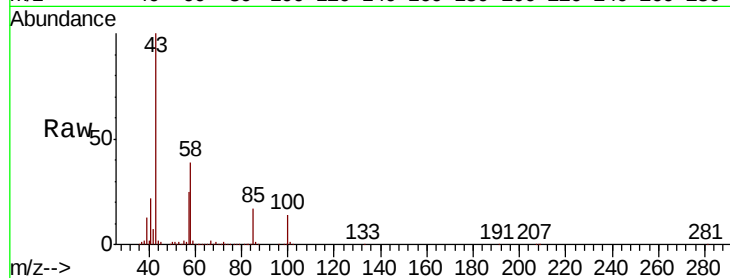




#51
 4-Methyl-2-Pentanone
 Concen: 290.601 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059201.D
 Acq: 12 Nov 2019 19:10

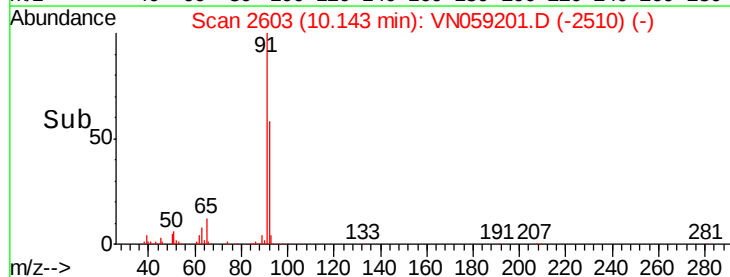
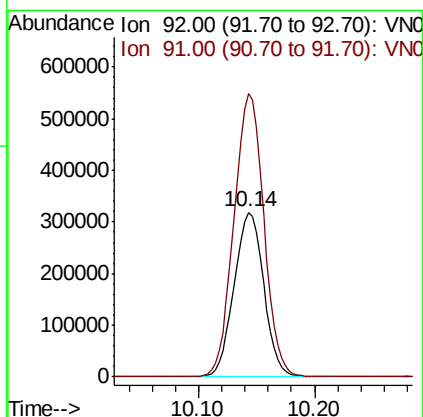
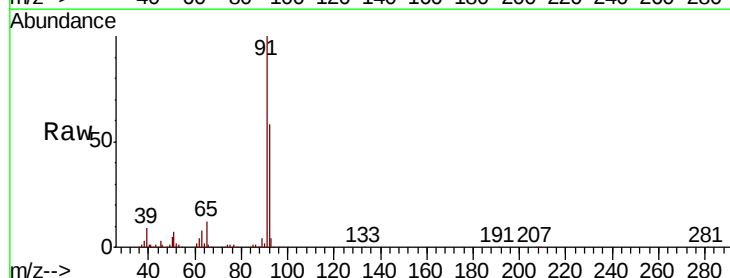
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MS

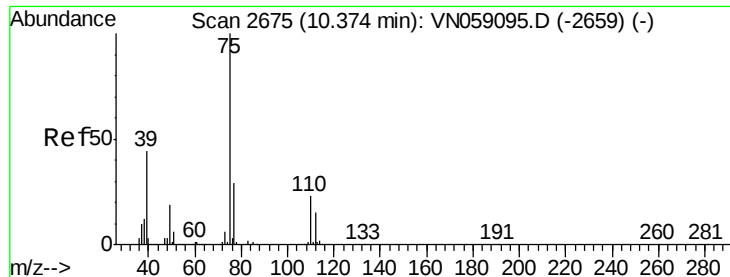
Tot Ion: 43 Resp: 1757798
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.5 47.3



#52
 Toluene
 Concen: 52.104 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059201.D
 Acq: 12 Nov 2019 19:10

Tgt Ion: 92 Resp: 566856
 Ion Ratio Lower Upper
 92 100
 91 173.0 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 51.175 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

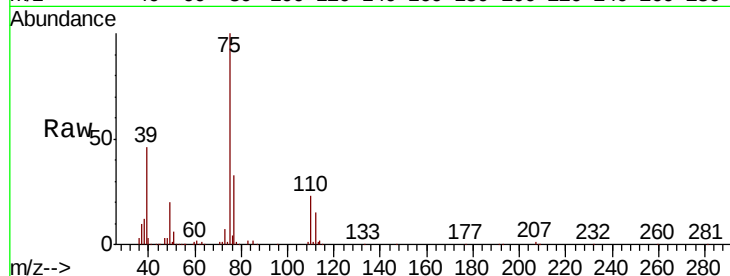
MW-305-SRI4MS

Tot Ion: 75 Resp: 362713

Ion Ratio Lower Upper

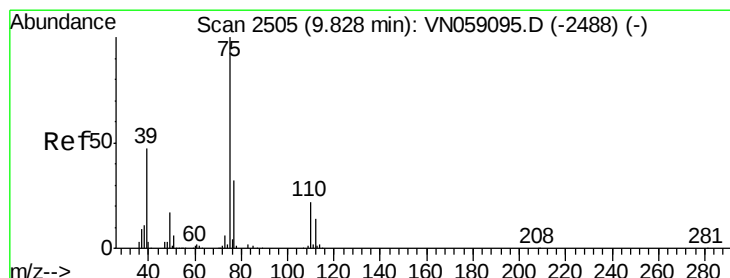
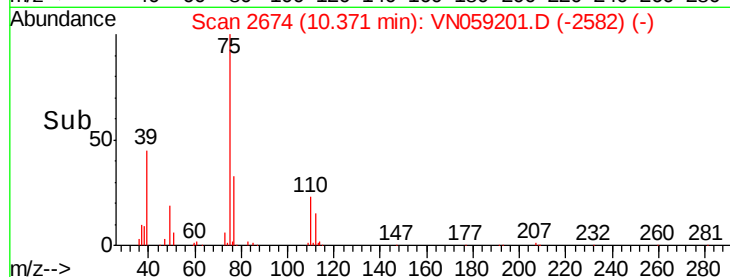
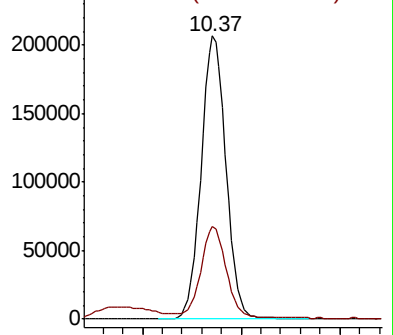
75 100

77 32.3 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: 50.641 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

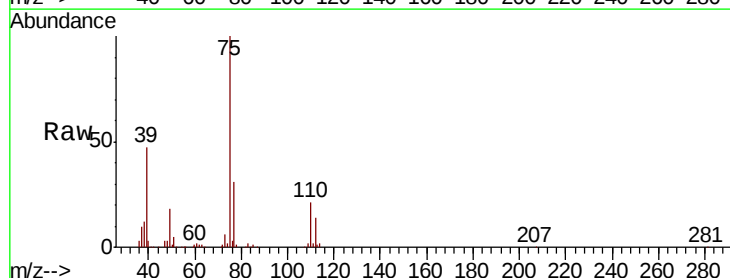
Tgt Ion: 75 Resp: 386092

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

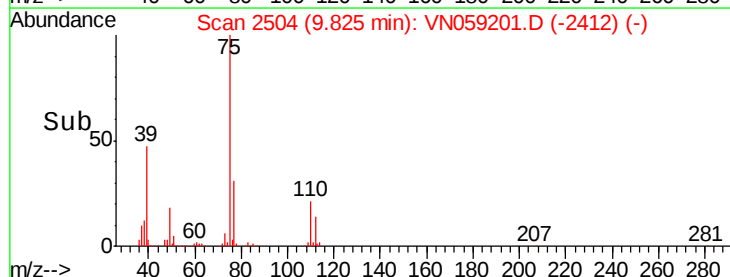
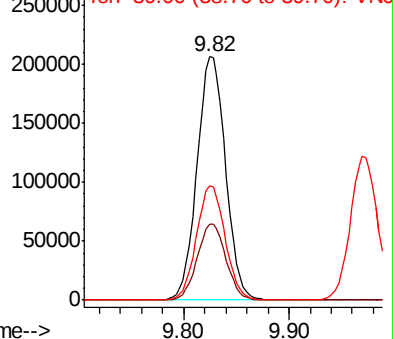
39 47.0 37.3 55.9

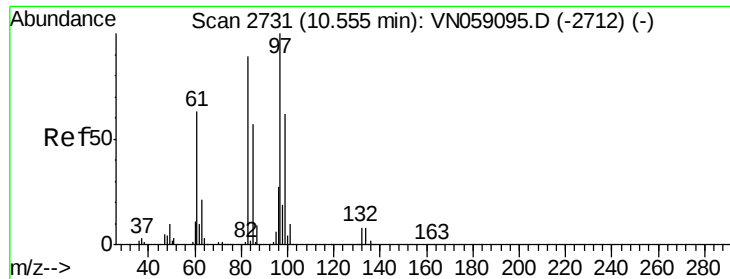


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

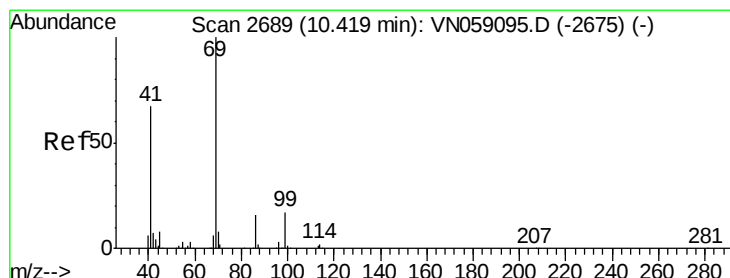
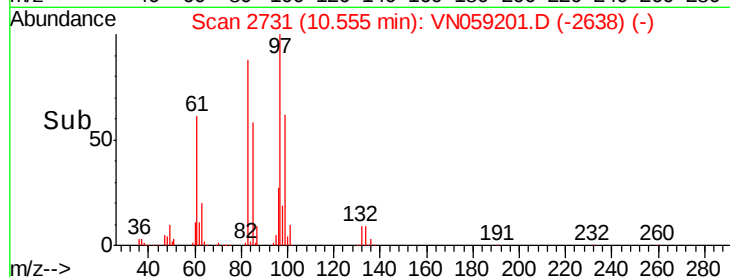
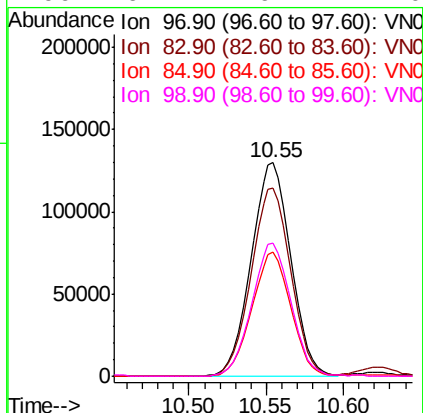
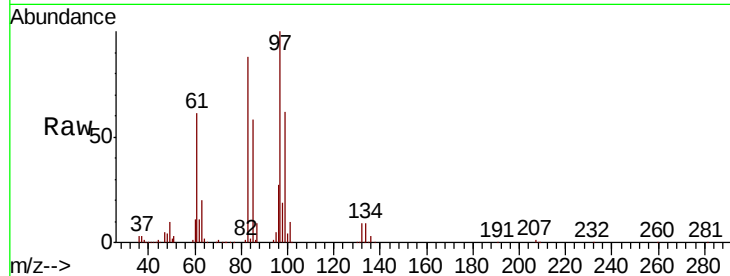




#55
 1,1,2-Trichloroethane
 Concen: 52.534 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059201.D
 Acq: 12 Nov 2019 19:10

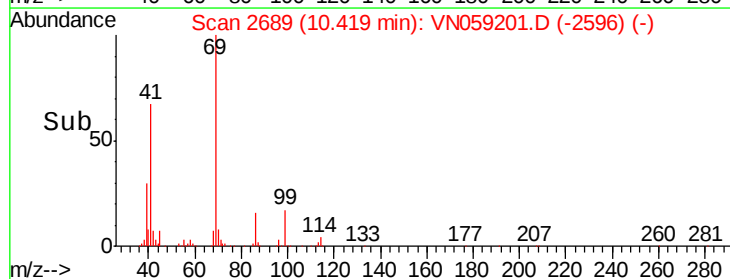
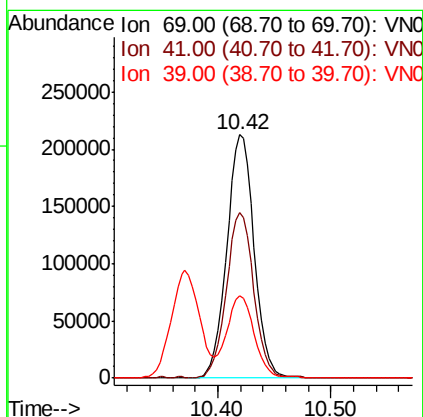
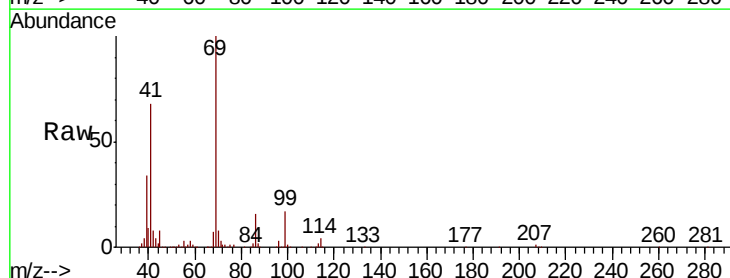
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MS

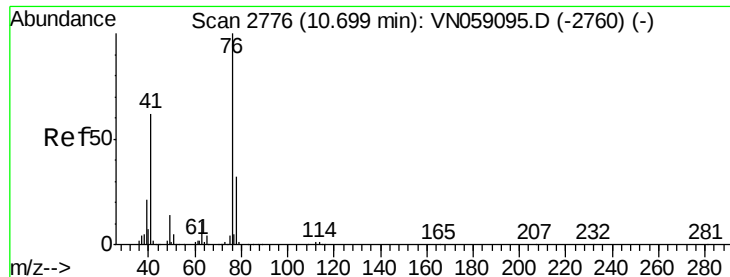
Tot Ion:	97	Resp:	231305
Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.0	106.4
85	58.1	45.8	68.8
99	62.1	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 48.733 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059201.D
 Acq: 12 Nov 2019 19:10

Tgt Ion:	69	Resp:	357518
Ion	Ratio	Lower	Upper
69	100		
41	67.2	53.6	80.4
39	34.0	26.2	39.4

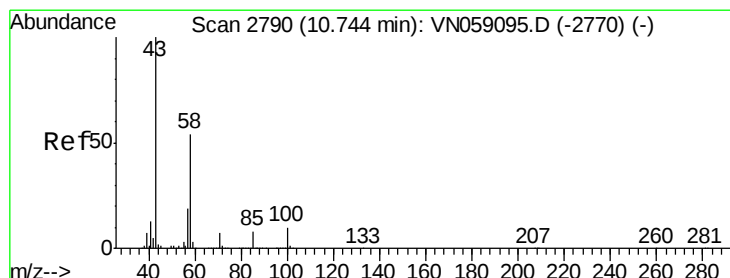
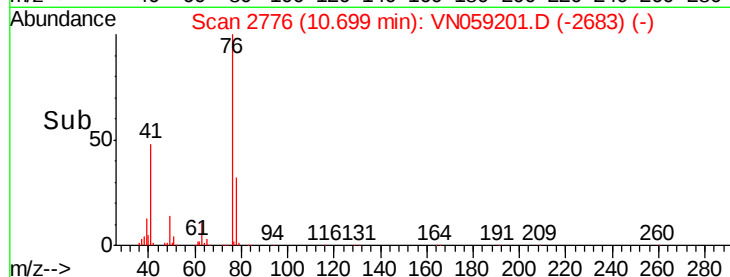
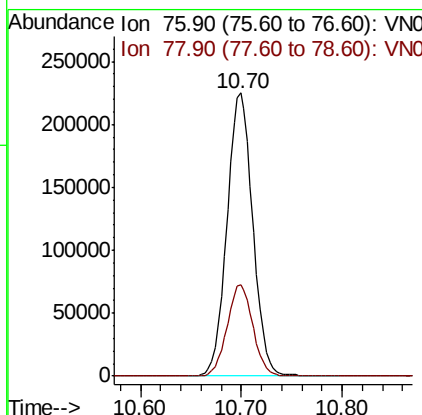
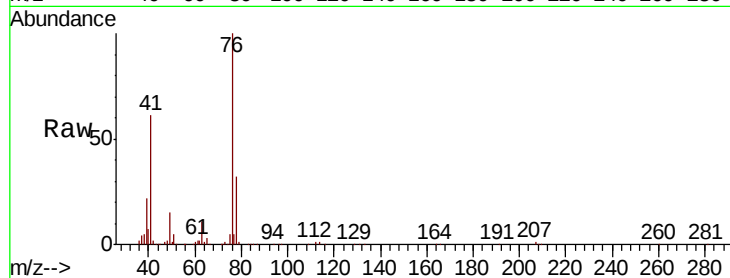




#57
 1,3-Dichloropropane
 Concen: 52.869 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059201.D
 Acq: 12 Nov 2019 19:10

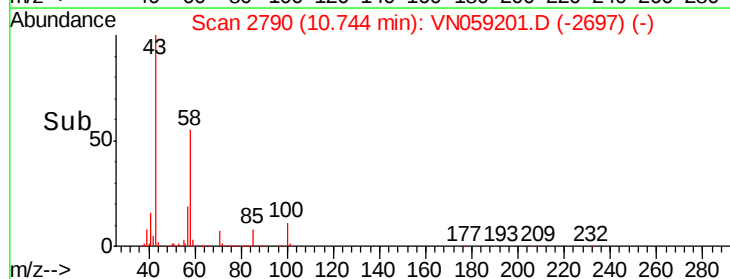
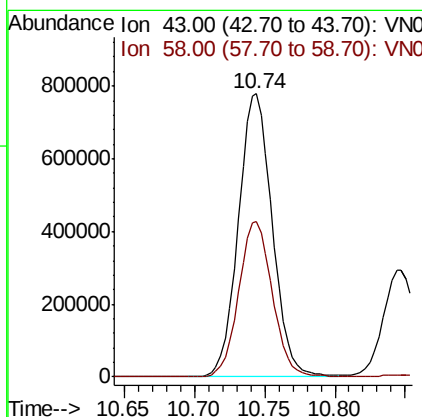
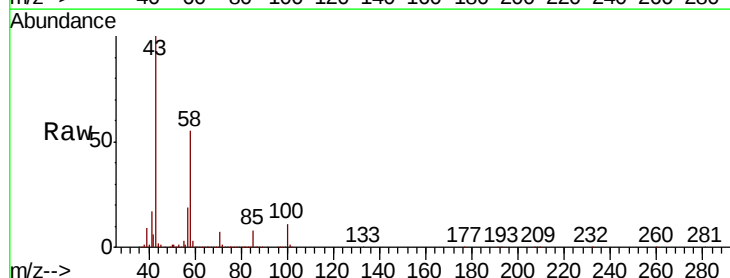
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MS

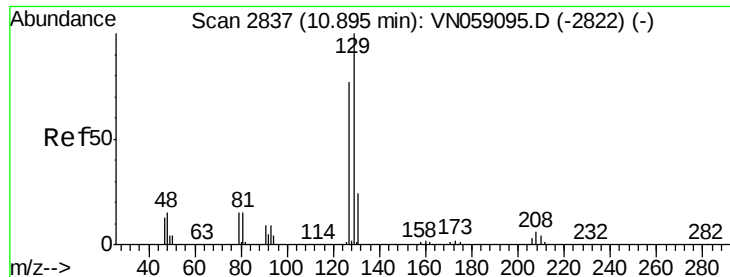
Tot Ion: 76 Resp: 400639
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#59
 2-Hexanone
 Concen: 282.110 ug/l
 RT: 10.74 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VN059201.D
 Acq: 12 Nov 2019 19:10

Tgt Ion: 43 Resp: 1309774
 Ion Ratio Lower Upper
 43 100
 58 54.7 27.3 81.8





#60

Dibromochloromethane

Concen: 53.939 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

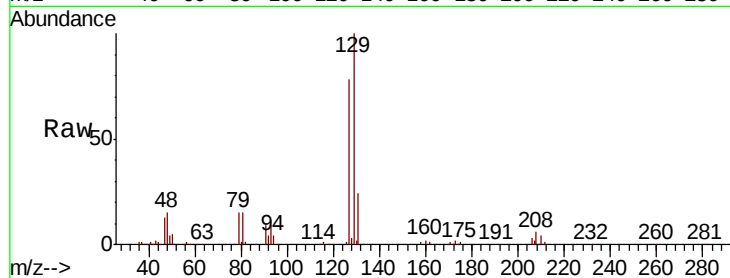
MW-305-SRI4MS

Tot Ion:129 Resp: 251095

Ion Ratio Lower Upper

129 100

127 77.5 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.89

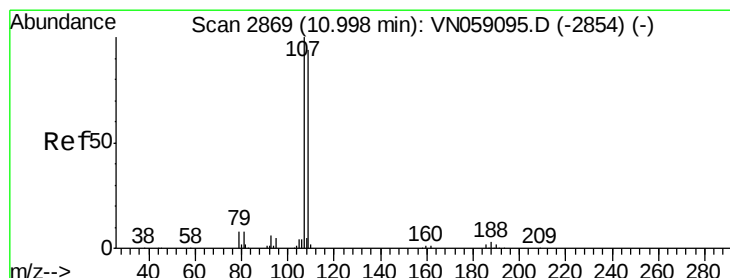
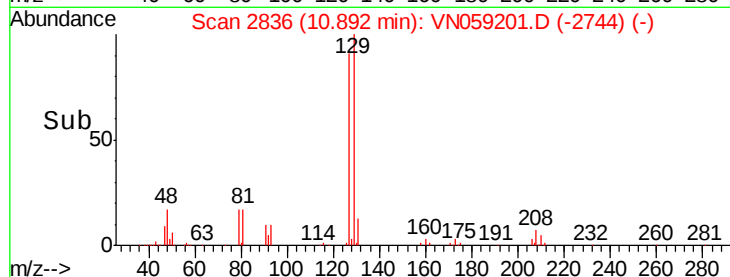
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#61

1,2-Dibromoethane

Concen: 52.547 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059201.D

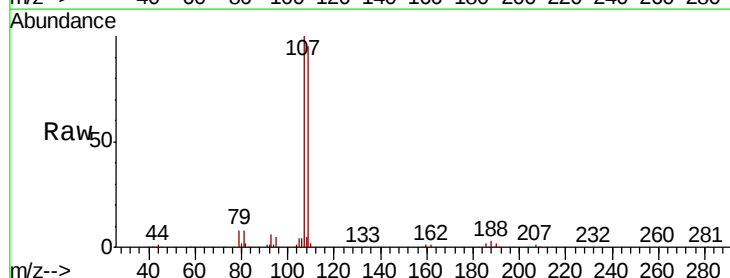
Acq: 12 Nov 2019 19:10

Tgt Ion:107 Resp: 234210

Ion Ratio Lower Upper

107 100

109 95.0 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

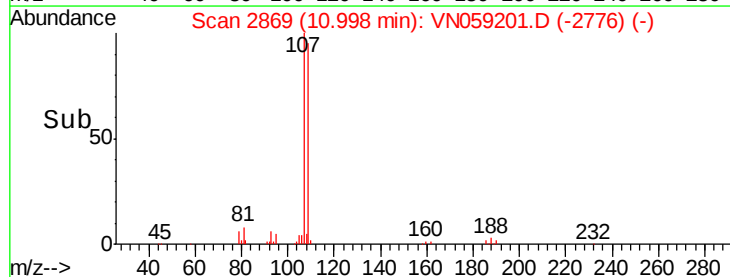
150000

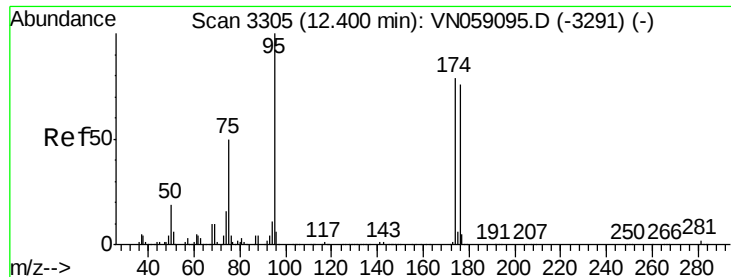
100000

50000

0

Time--> 10.90 11.00 11.10

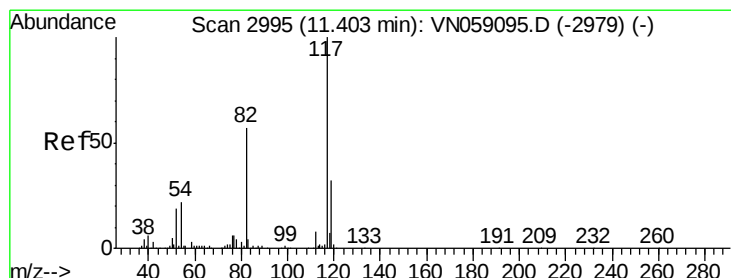
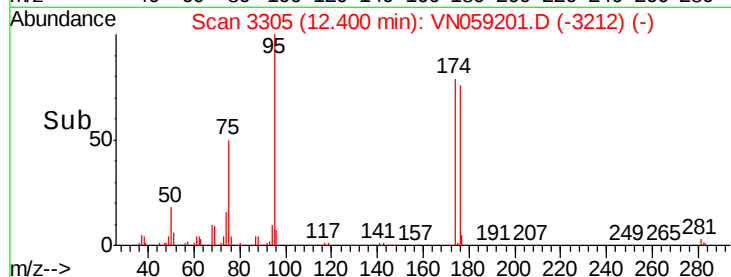
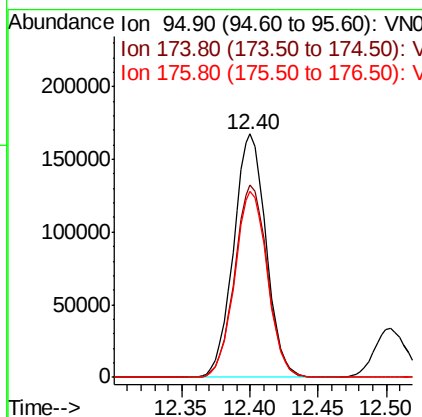
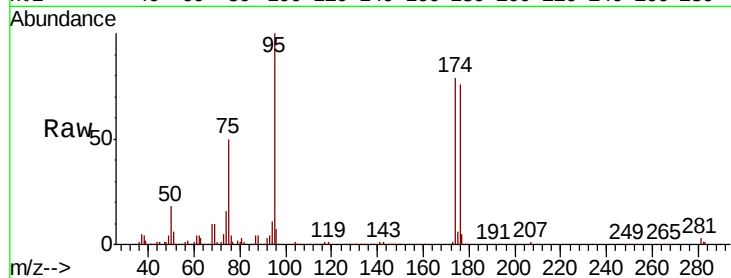




#62
4-Bromofluorobenzene
Concen: 50.712 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

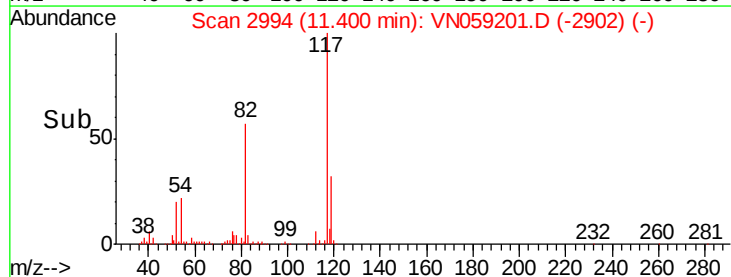
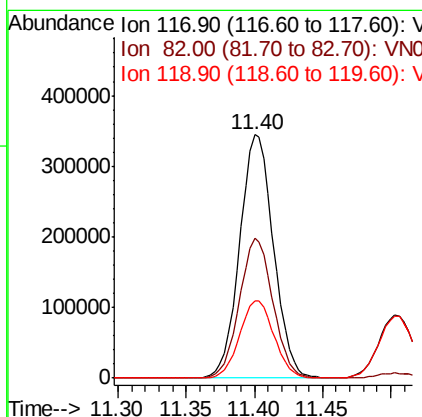
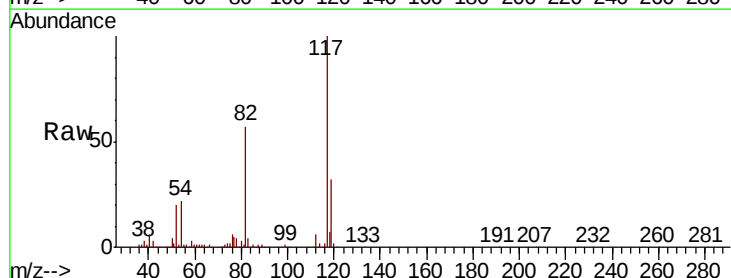
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MS

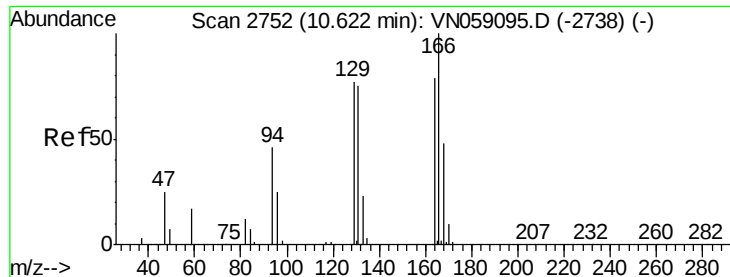
Tot Ion: 95 Resp: 277322
Ion Ratio Lower Upper
95 100
174 79.6 0.0 158.2
176 76.8 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

Tgt Ion: 117 Resp: 592565
Ion Ratio Lower Upper
117 100
82 57.2 45.8 68.8
119 31.8 25.8 38.6





#64

Tetrachloroethene

Concen: 100.412 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MS

Tot Ion:164 Resp: 404595

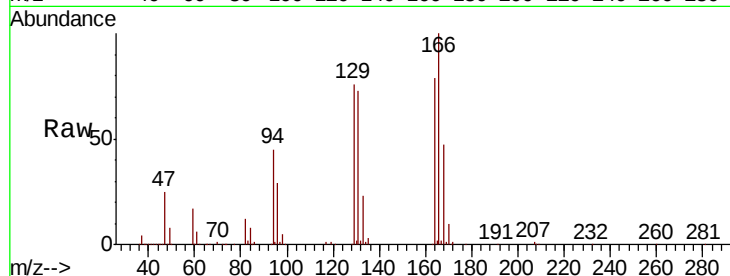
Ion Ratio Lower Upper

164 100

166 126.8 101.5 152.3

129 96.6 78.3 117.5

131 93.2 75.9 113.9

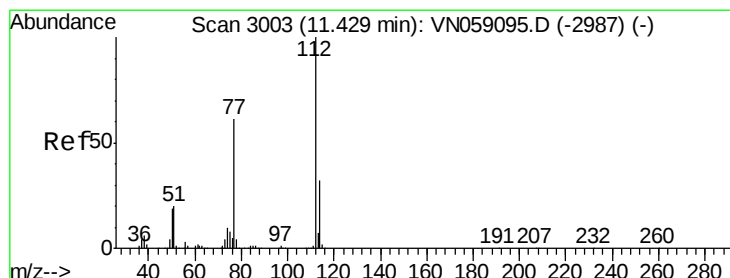
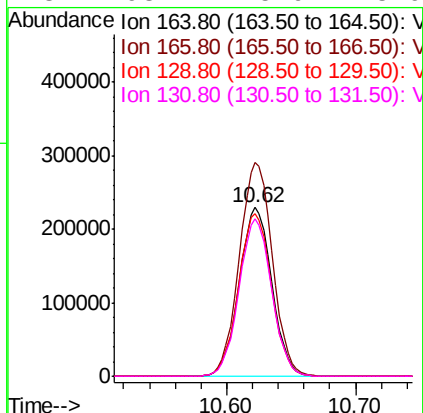
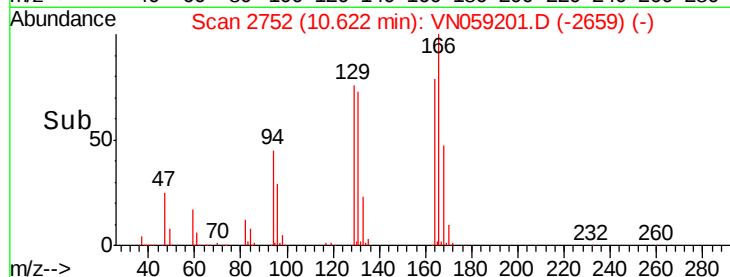


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 52.007 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059201.D

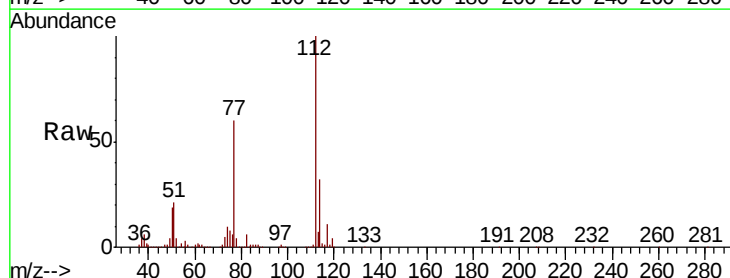
Acq: 12 Nov 2019 19:10

Tgt Ion:112 Resp: 600759

Ion Ratio Lower Upper

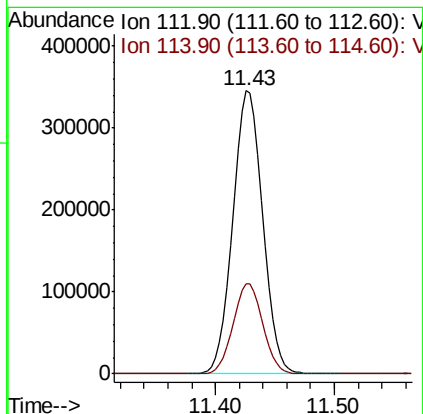
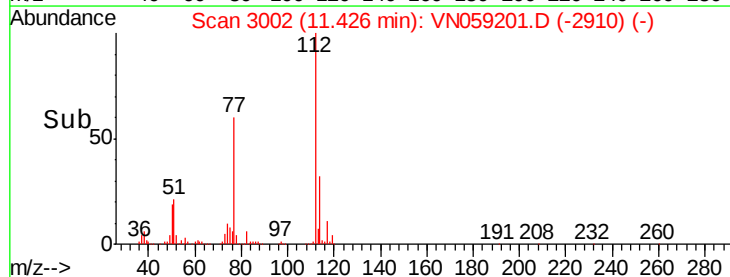
112 100

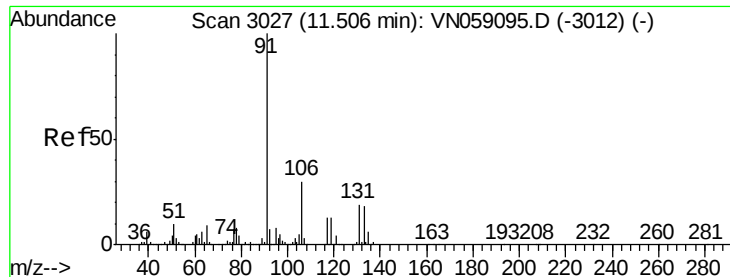
114 32.1 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.708 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MS

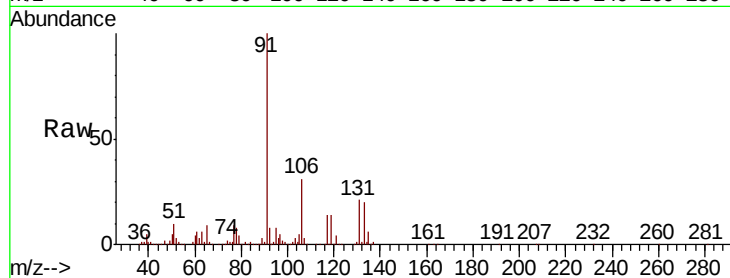
Tot Ion:131 Resp: 228393

Ion Ratio Lower Upper

131 100

133 96.6 47.4 142.3

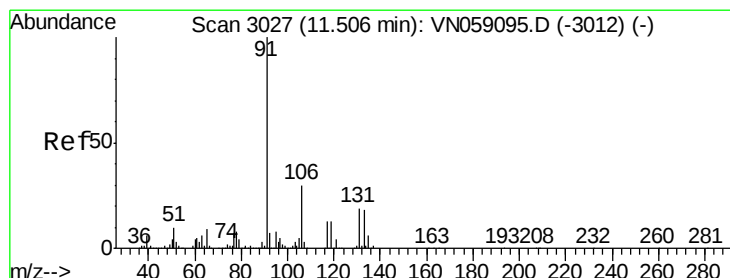
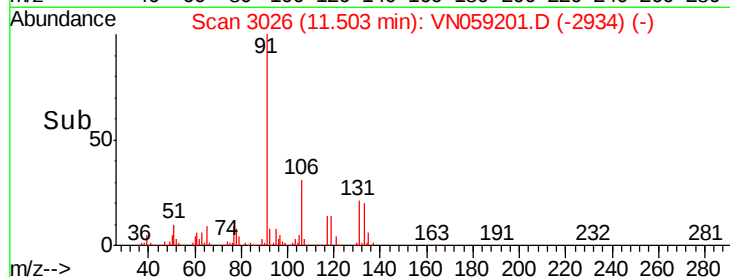
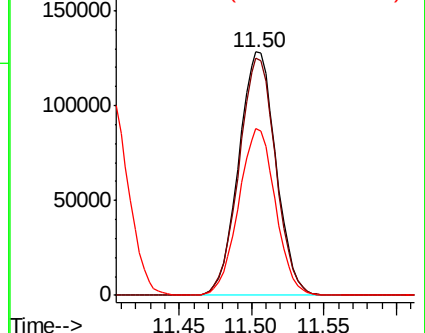
119 67.4 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 53.249 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059201.D

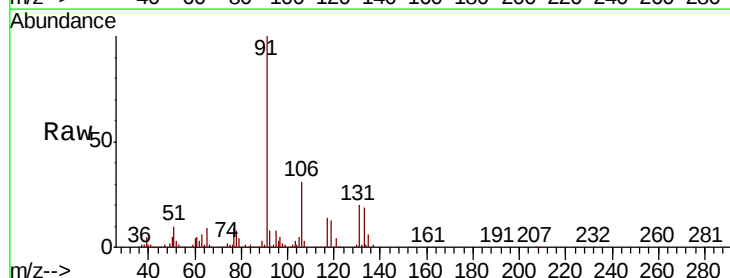
Acq: 12 Nov 2019 19:10

Tgt Ion: 91 Resp: 1091337

Ion Ratio Lower Upper

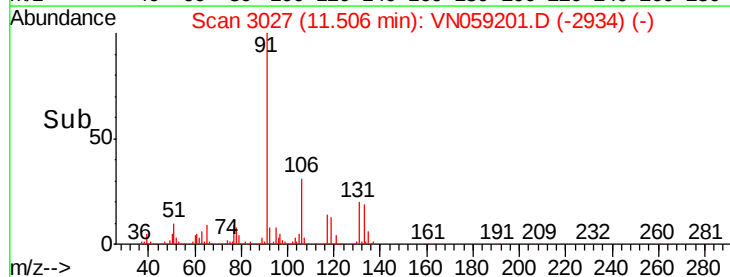
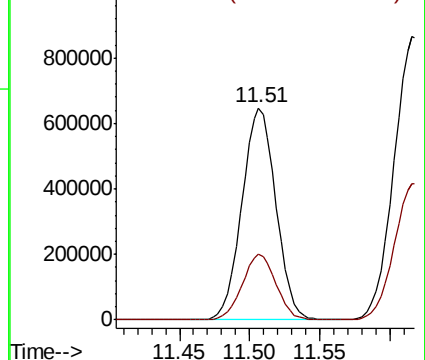
91 100

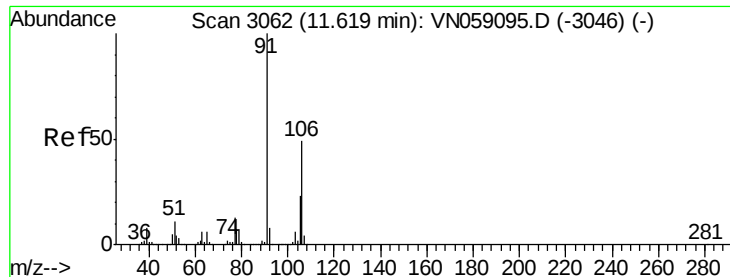
106 31.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

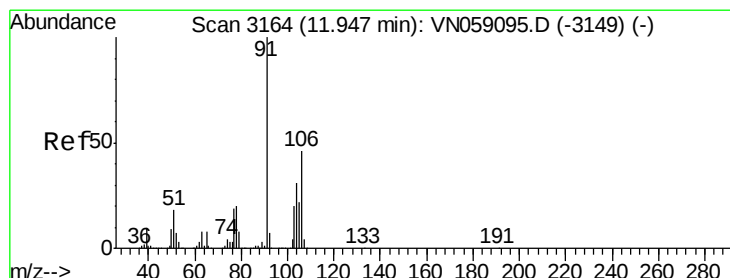
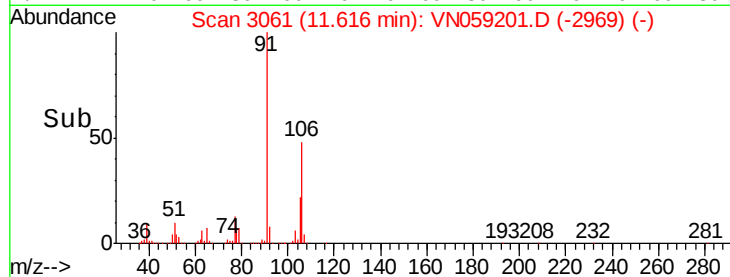
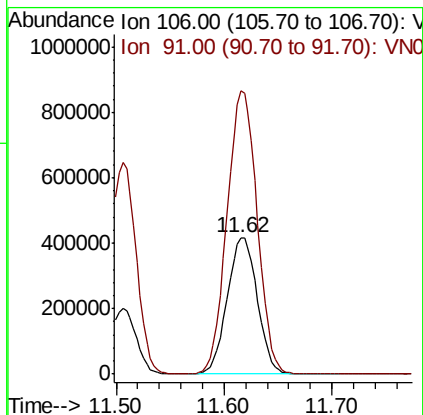
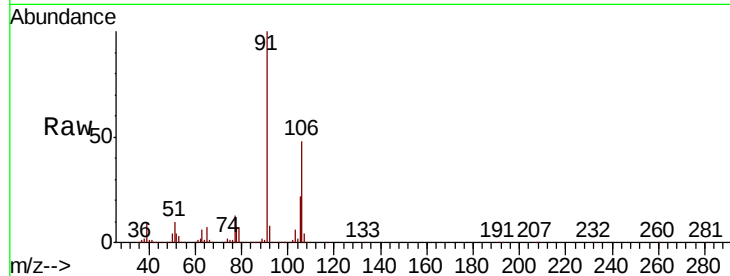




#68
m/p-Xylenes
Concen: 105.479 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

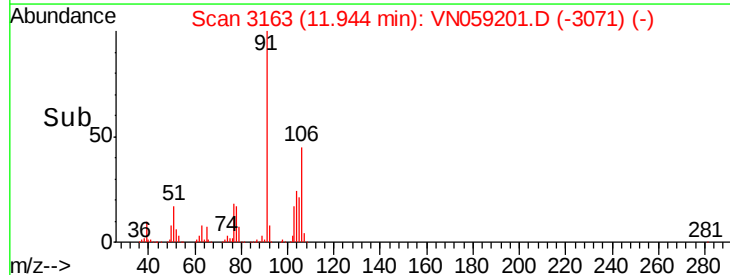
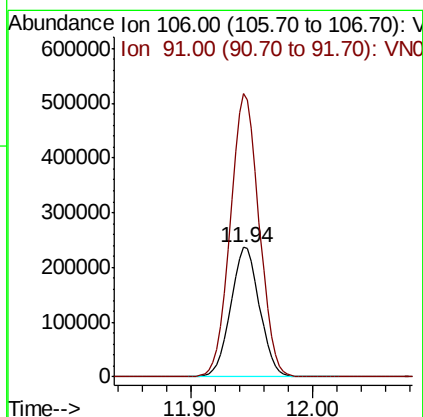
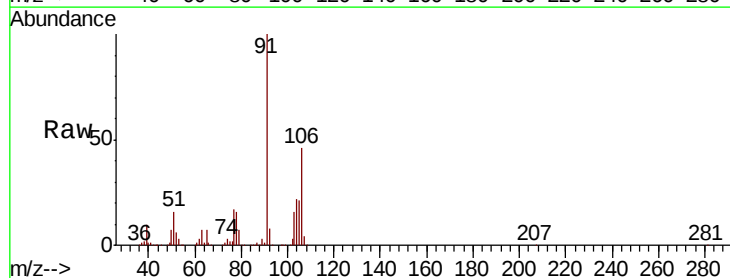
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MS

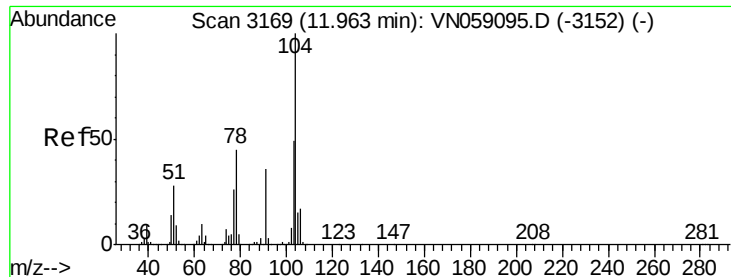
Tot Ion:106 Resp: 809771
Ion Ratio Lower Upper
106 100
91 207.9 164.7 247.1



#69
o-Xylene
Concen: 52.734 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

Tgt Ion:106 Resp: 391242
Ion Ratio Lower Upper
106 100
91 217.5 110.1 330.3

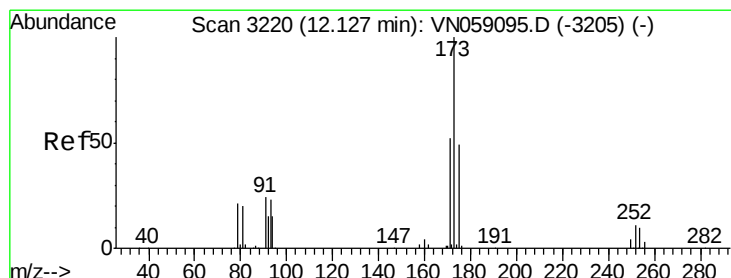
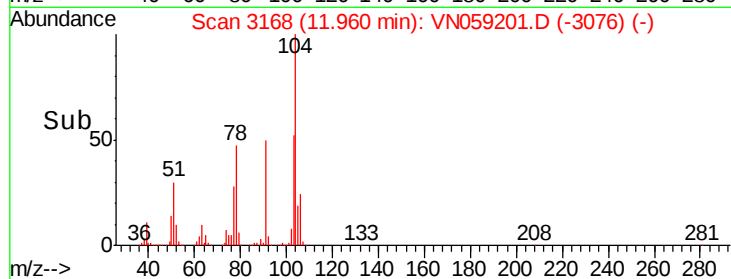
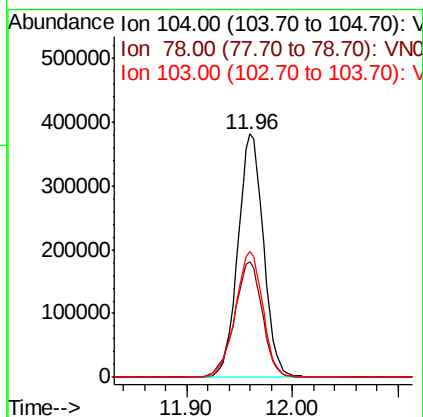
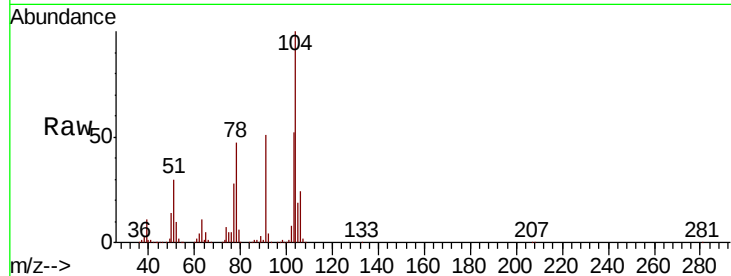




#70
Stvrene
Concen: 54.851 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

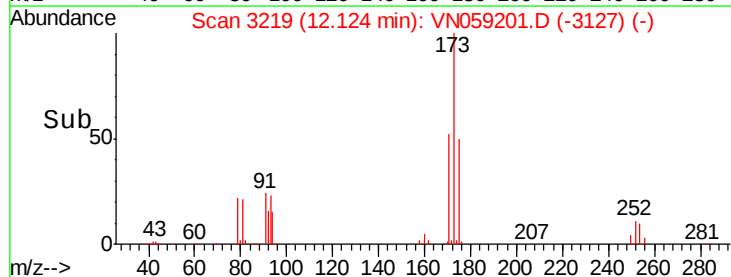
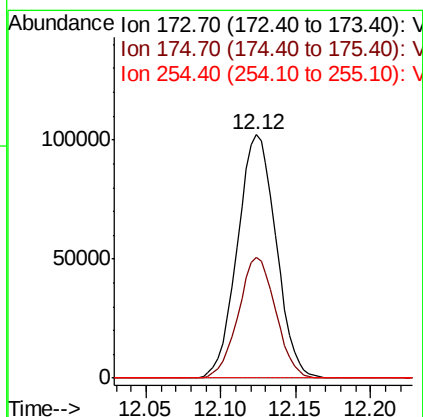
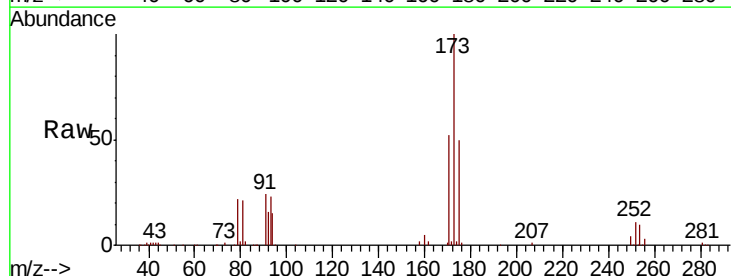
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MS

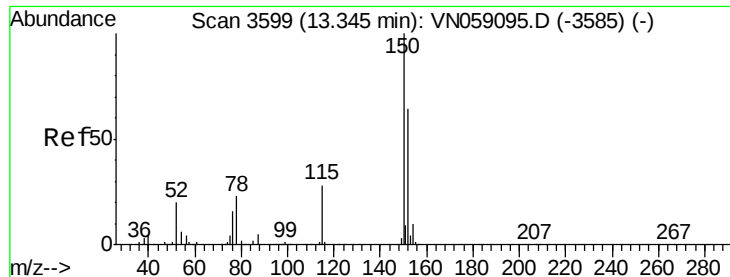
Tot Ion	Ratio	Lower	Upper
104	100		
78	51.8	41.2	61.8
103	55.7	43.8	65.6



#71
Bromoform
Concen: 54.428 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.2	72.6
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MS

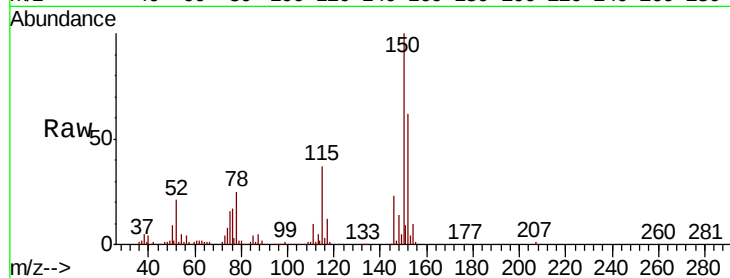
Tot Ion:152 Resp: 288433

Ion Ratio Lower Upper

152 100

115 59.5 29.4 88.2

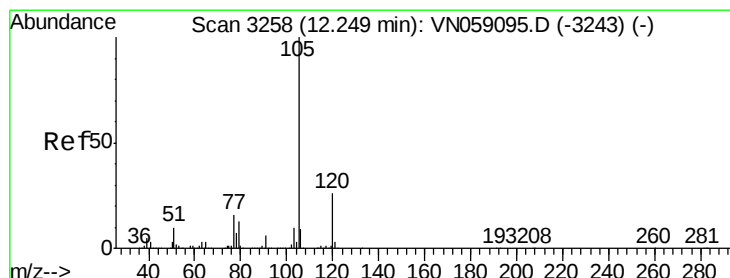
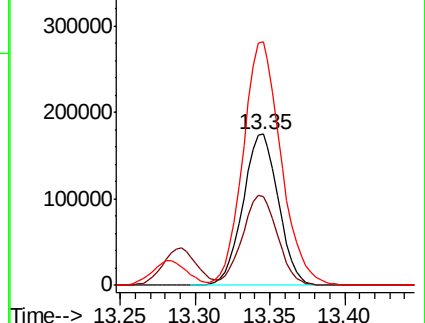
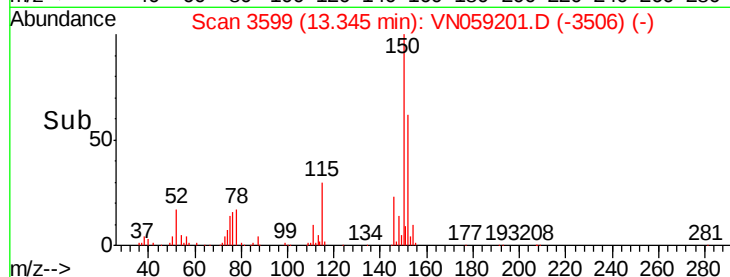
150 172.1 0.0 345.8



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: 50.362 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059201.D

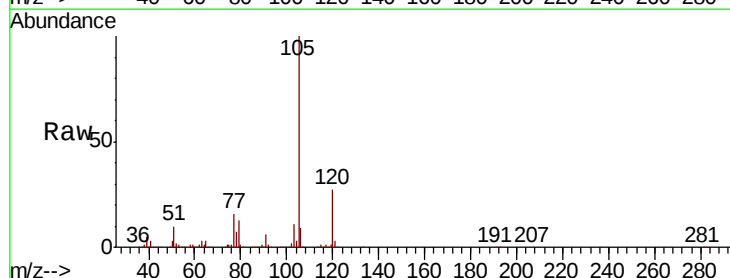
Acq: 12 Nov 2019 19:10

Tgt Ion:105 Resp: 1056631

Ion Ratio Lower Upper

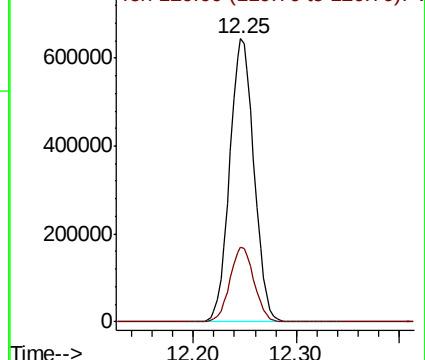
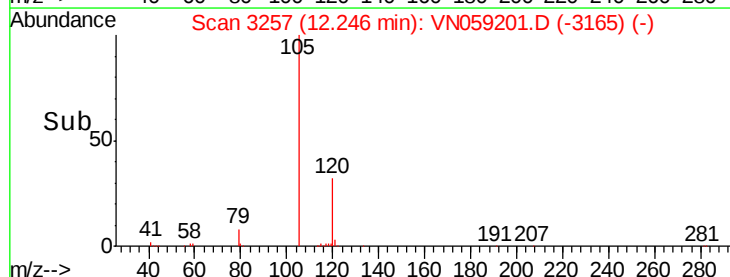
105 100

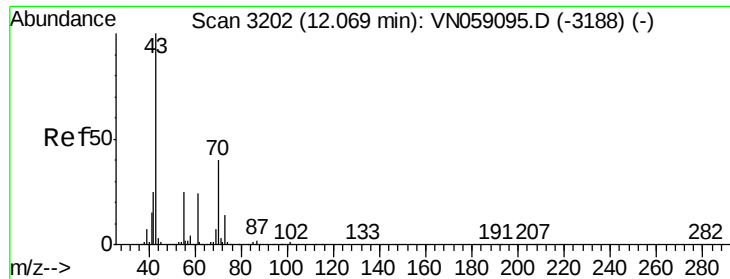
120 26.3 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 50.777 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MS

Tot Ion: 43 Resp: 451427

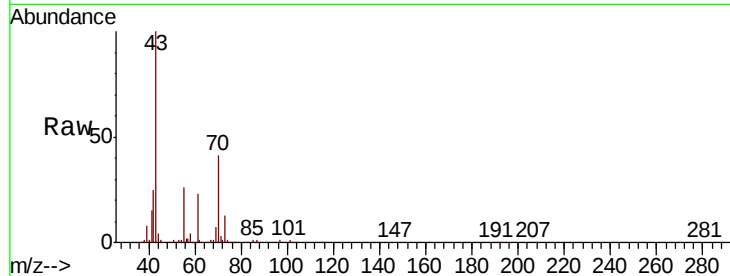
Ion Ratio Lower Upper

43 100

70 41.5 32.2 48.4

55 26.1 20.4 30.6

61 23.8 19.3 28.9

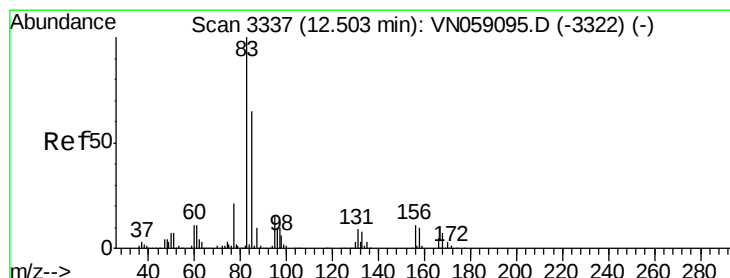
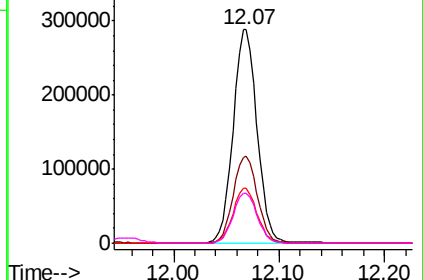
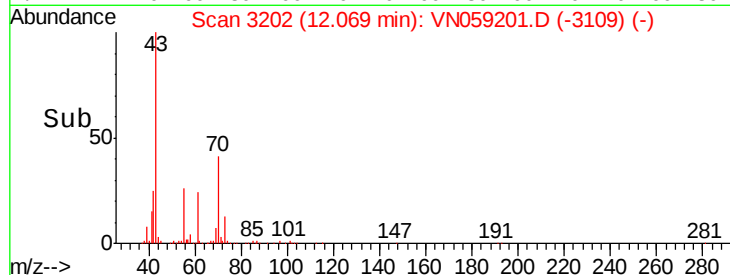


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 50.891 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

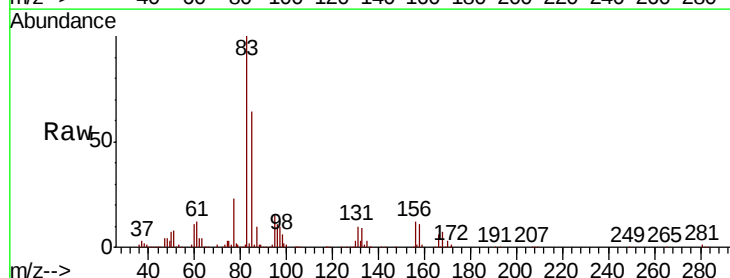
Tgt Ion: 83 Resp: 363612

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.6

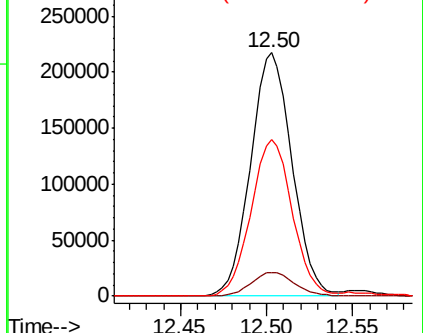
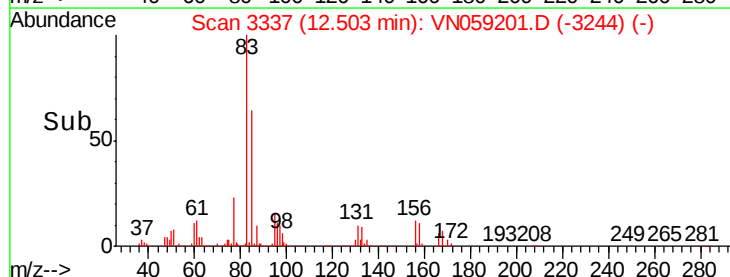
85 63.8 32.4 97.2

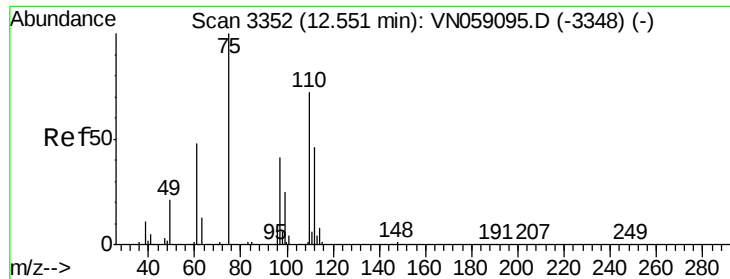


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

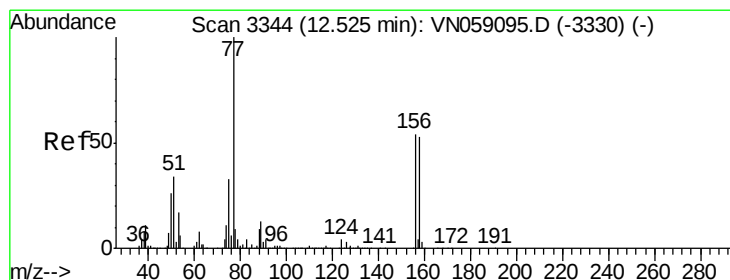
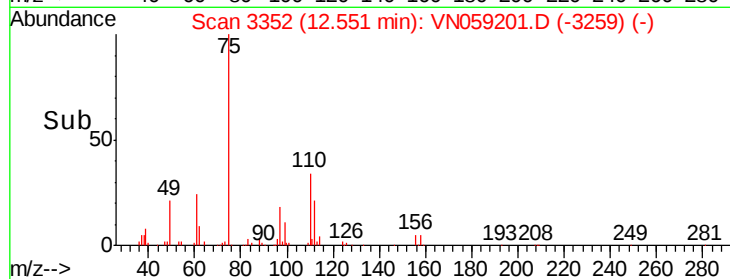
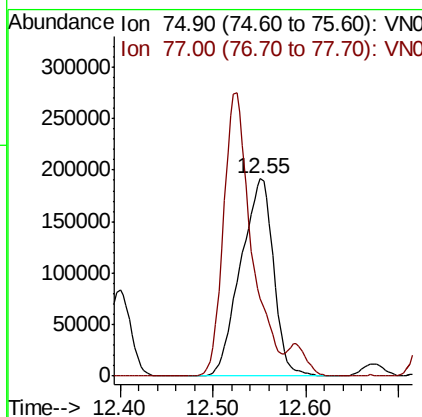
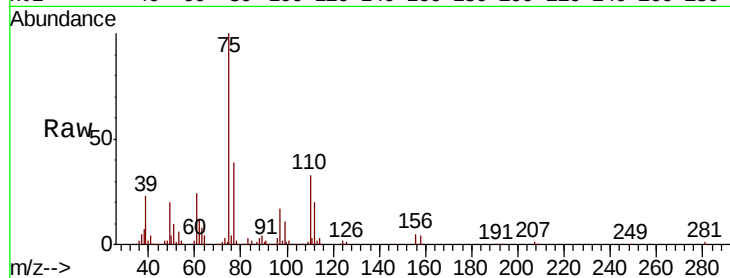




#76
1,2,3-Trichloropropane
Concen: 71.572 ug/l
RT: 12.55 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

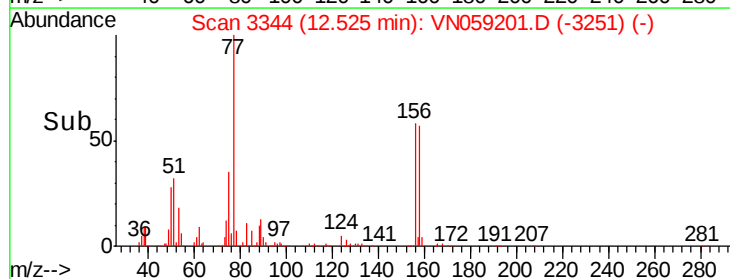
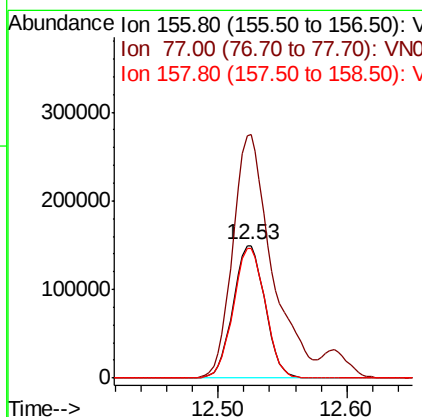
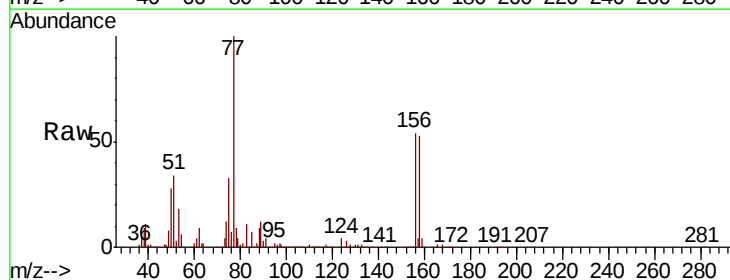
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4MS

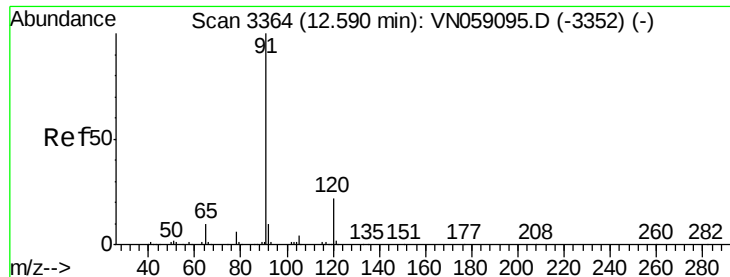
Tot Ion: 75 Resp: 469991
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 48.785 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN059201.D
Acq: 12 Nov 2019 19:10

Tgt Ion: 156 Resp: 257160
Ion Ratio Lower Upper
156 100
77 225.7 112.8 338.3
158 98.1 48.4 145.3





#78

n-propylbenzene

Concen: 51.513 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

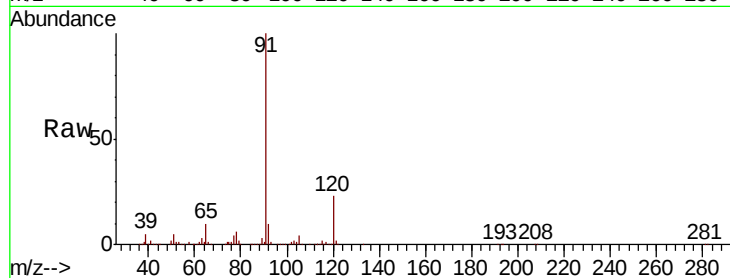
MW-305-SRI4MS

Tot Ion: 91 Resp: 1237479

Ion Ratio Lower Upper

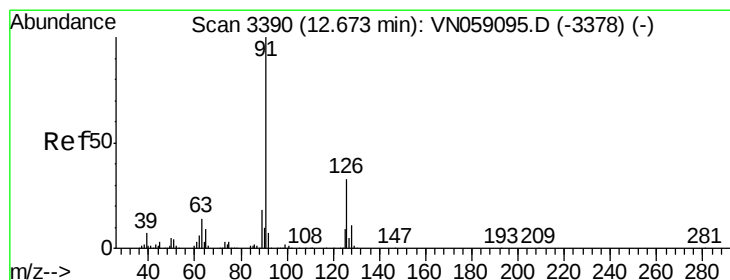
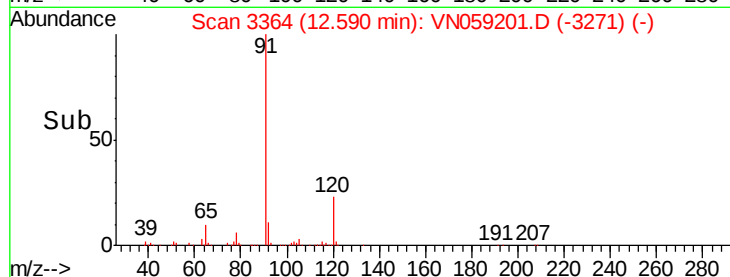
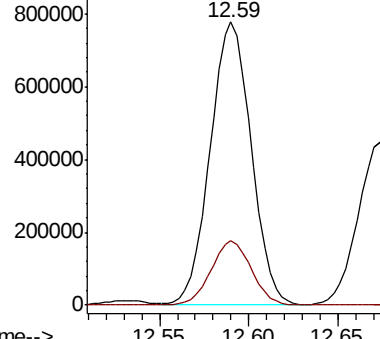
91 100

120 22.4 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: 49.540 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059201.D

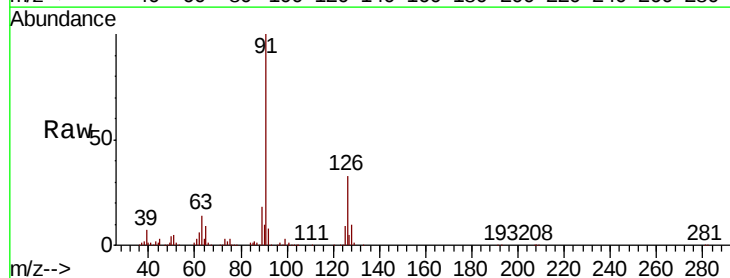
Acq: 12 Nov 2019 19:10

Tgt Ion: 91 Resp: 738271

Ion Ratio Lower Upper

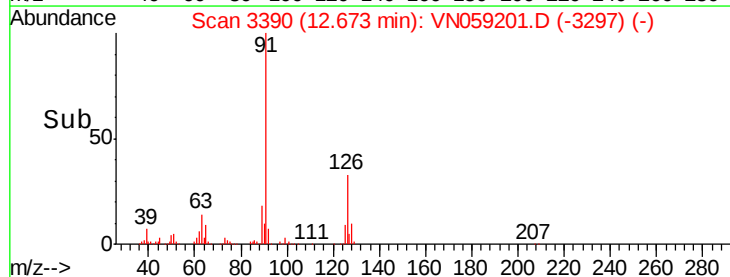
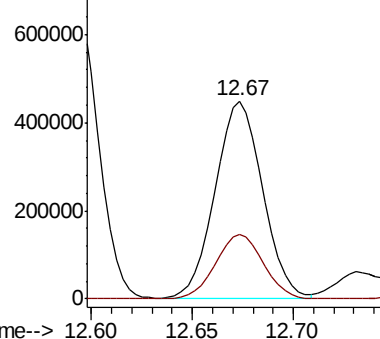
91 100

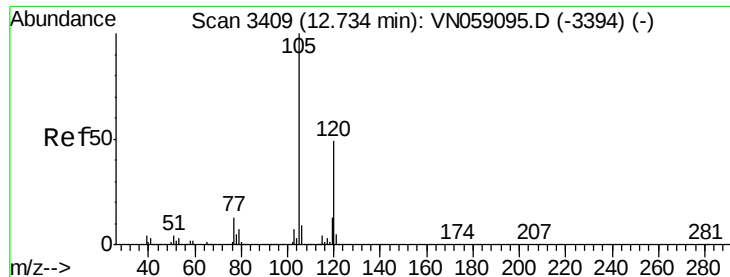
126 32.8 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 50.868 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

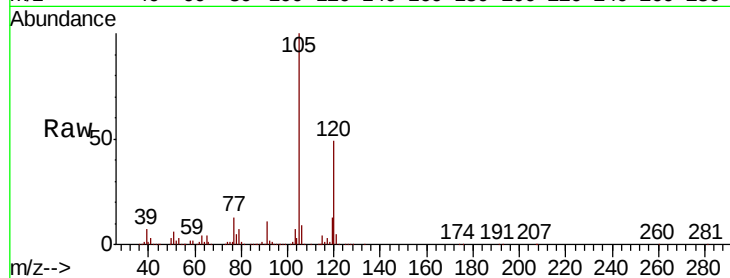
MW-305-SRI4MS

Tot Ion:105 Resp: 904333

Ion Ratio Lower Upper

105 100

120 48.5 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

200000

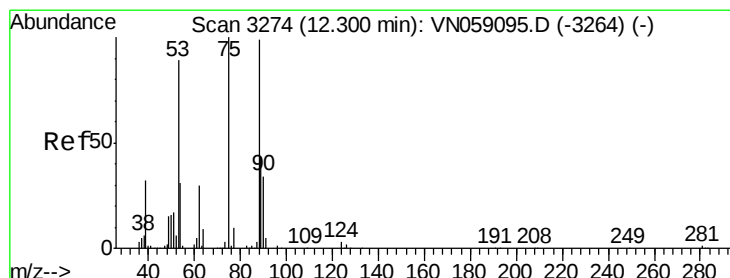
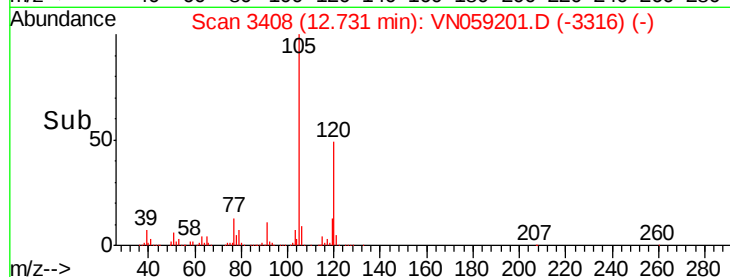
0

12.73

12.70

12.80

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 48.103 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

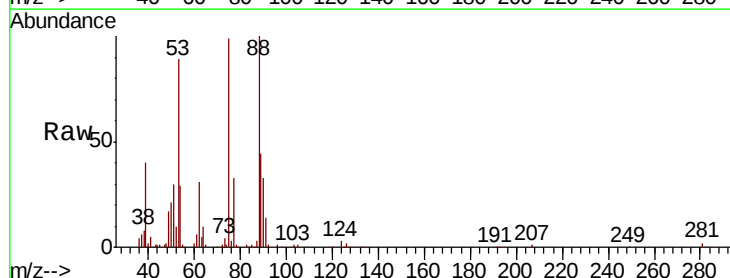
Tgt Ion: 75 Resp: 119593

Ion Ratio Lower Upper

75 100

53 92.4 72.2 108.2

89 46.3 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

100000

80000

60000

40000

20000

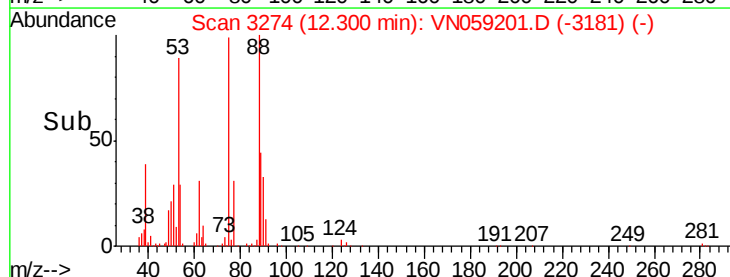
0

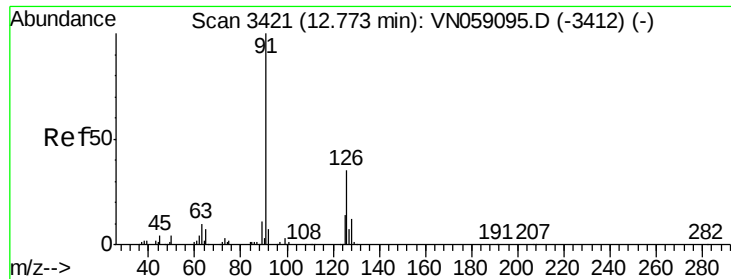
12.30

12.25

12.35

Time-->





#82

4-Chlorotoluene

Concen: 50.119 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

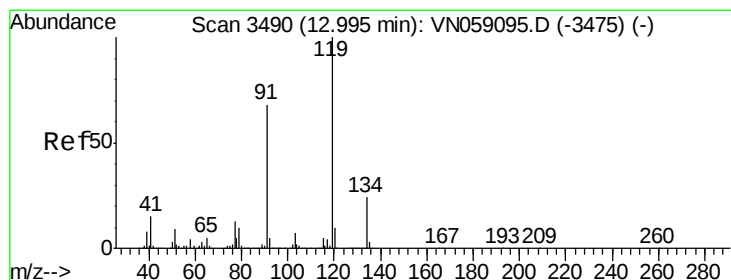
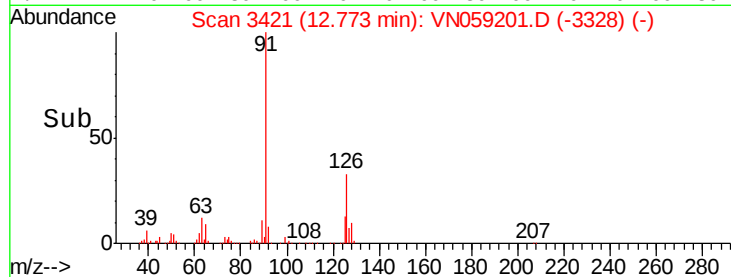
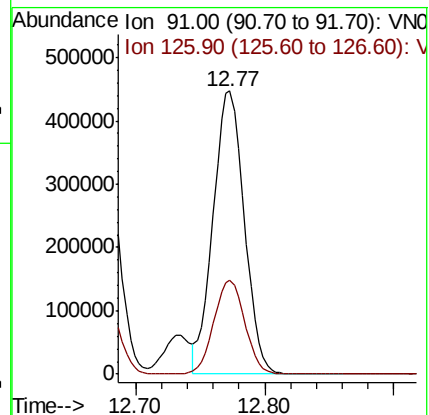
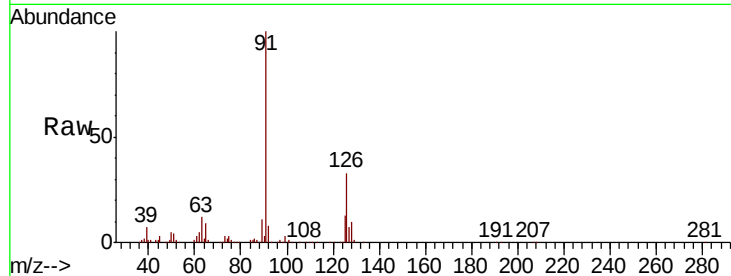
MW-305-SRI4MS

Tot Ion: 91 Resp: 749136

Ion Ratio Lower Upper

91 100

126 32.9 16.1 48.2



#83

tert-Butylbenzene

Concen: 49.406 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

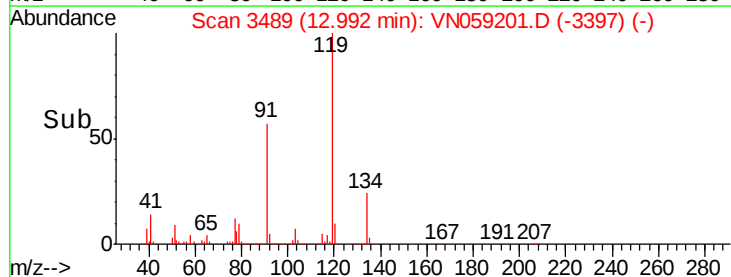
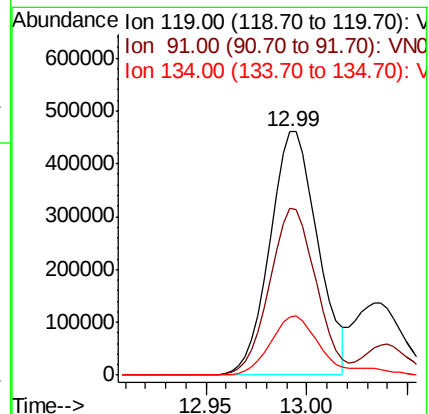
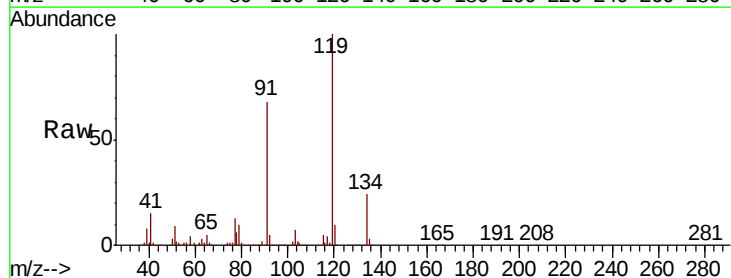
Tgt Ion: 119 Resp: 758517

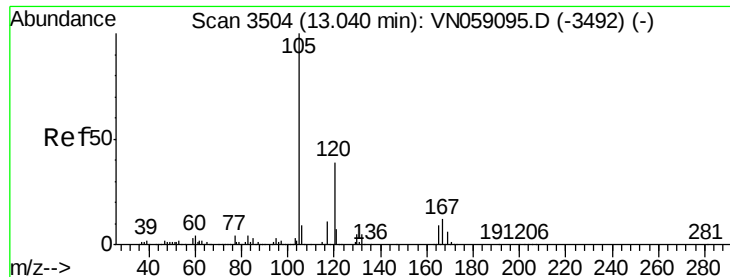
Ion Ratio Lower Upper

119 100

91 66.9 33.2 99.6

134 24.4 12.7 38.1





#84

1,2,4-Trimethylbenzene

Concen: 52.376 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

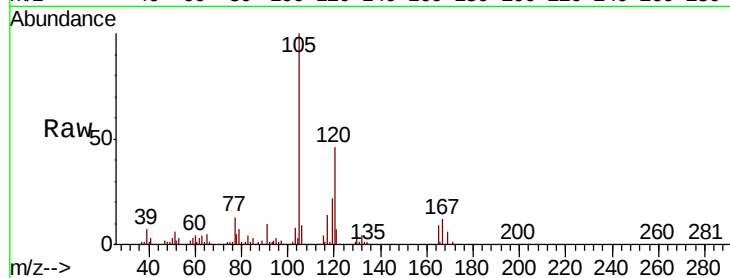
MW-305-SRI4MS

Tot Ion:105 Resp: 900880

Ion Ratio Lower Upper

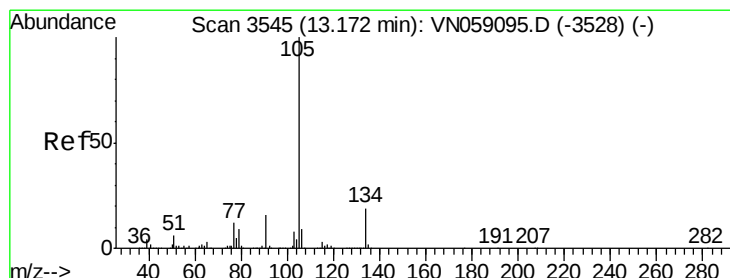
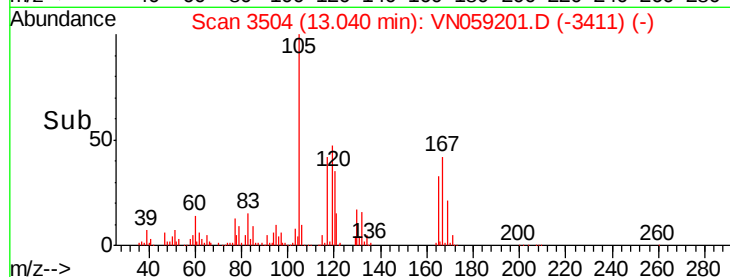
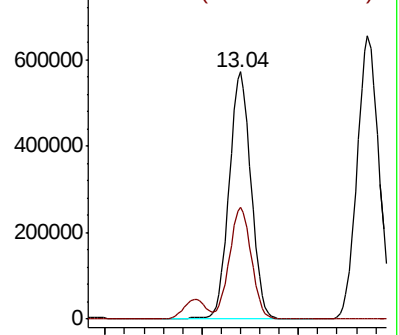
105 100

120 45.4 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: 51.297 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059201.D

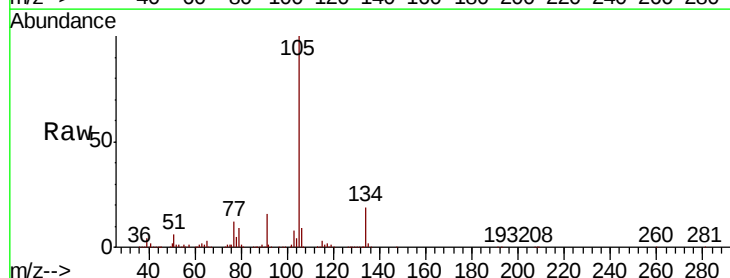
Acq: 12 Nov 2019 19:10

Tgt Ion:105 Resp: 1024240

Ion Ratio Lower Upper

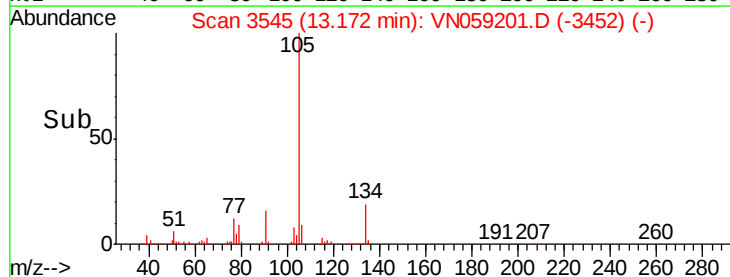
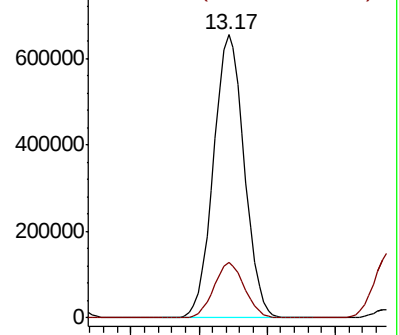
105 100

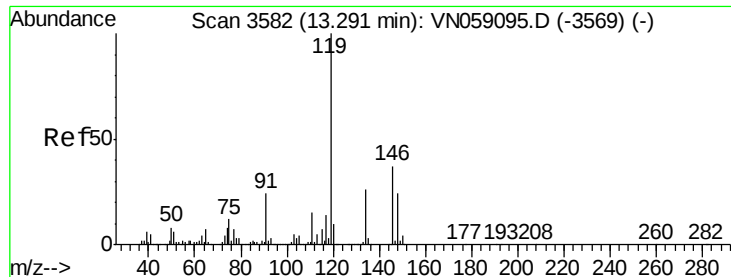
134 19.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

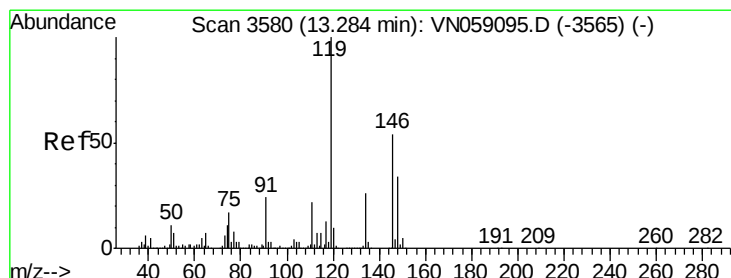
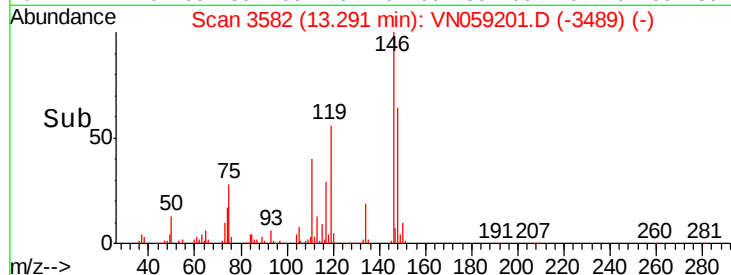
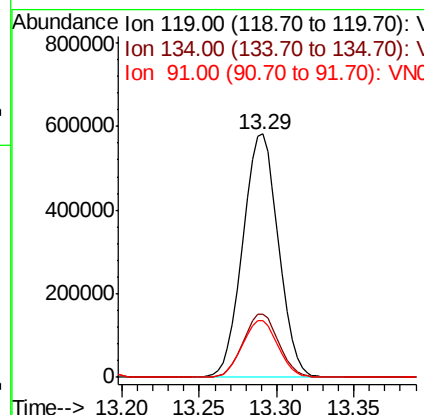
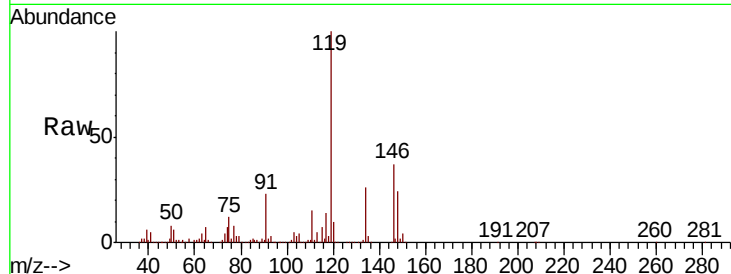




#86
 p-Isopropyltoluene
 Concen: 52.681 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN059201.D
 Acq: 12 Nov 2019 19:10

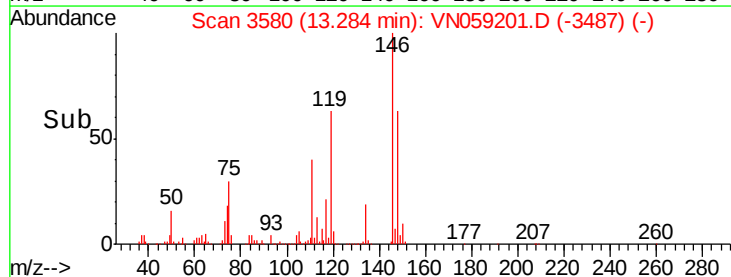
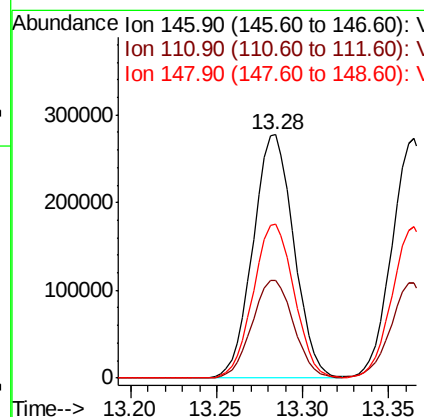
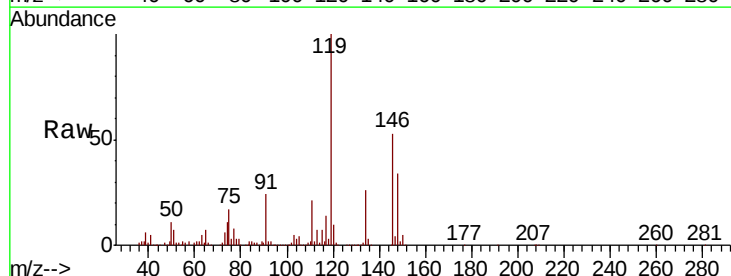
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MS

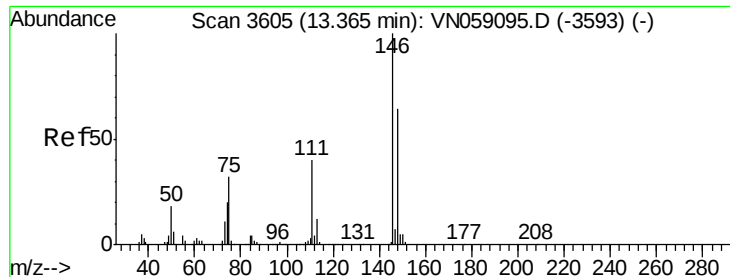
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	23.3	11.7	35.1



#87
 1,3-Dichlorobenzene
 Concen: 50.758 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059201.D
 Acq: 12 Nov 2019 19:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.4	61.3
148	63.4	32.2	96.6





#88

1,4-Dichlorobenzene

Concen: 49.744 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MS

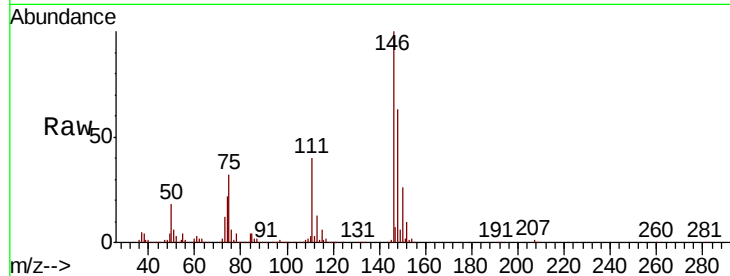
Tot Ion:146 Resp: 449250

Ion Ratio Lower Upper

146 100

111 39.9 20.3 60.9

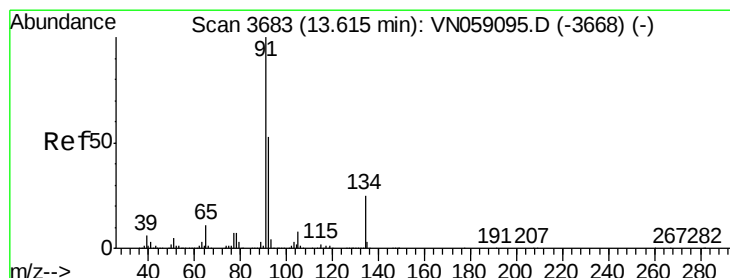
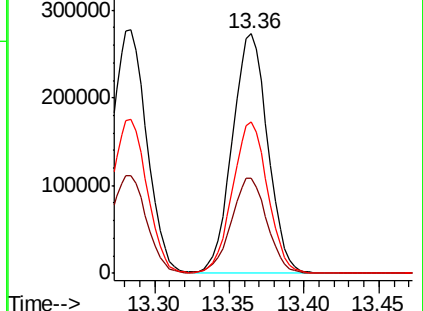
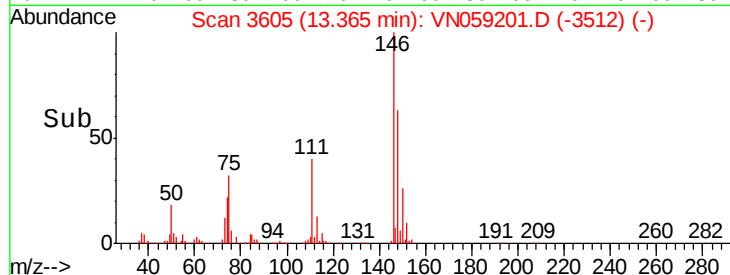
148 63.0 31.9 95.7



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: 51.207 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

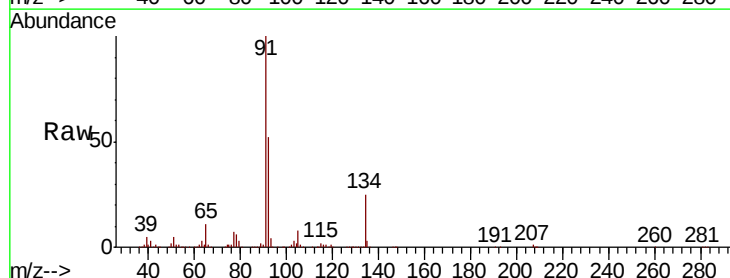
Tgt Ion: 91 Resp: 790154

Ion Ratio Lower Upper

91 100

92 51.6 26.1 78.3

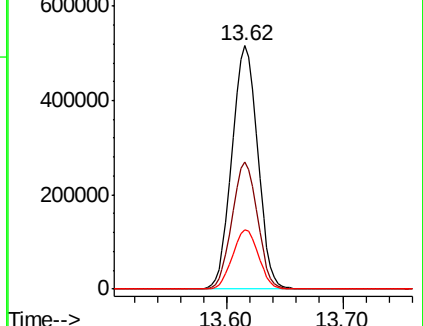
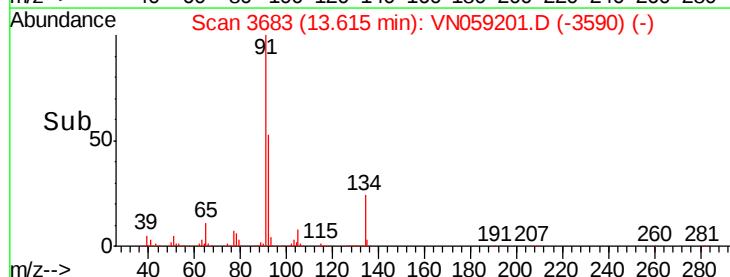
134 24.6 12.6 37.8

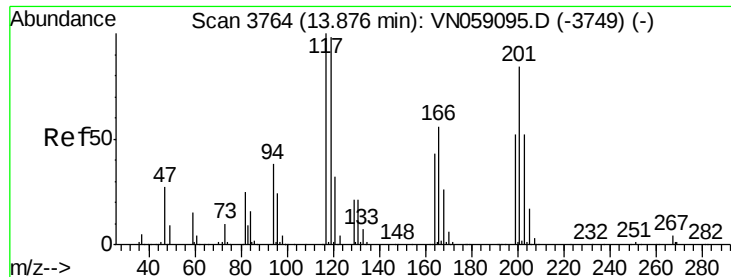


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 48.315 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

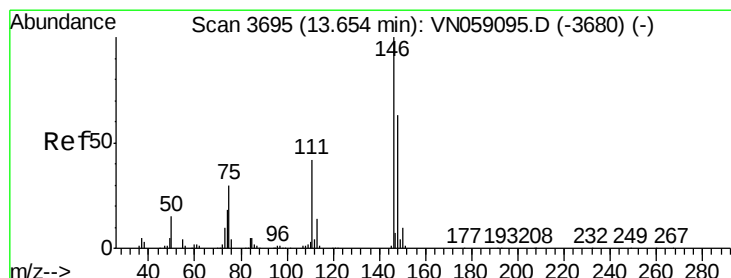
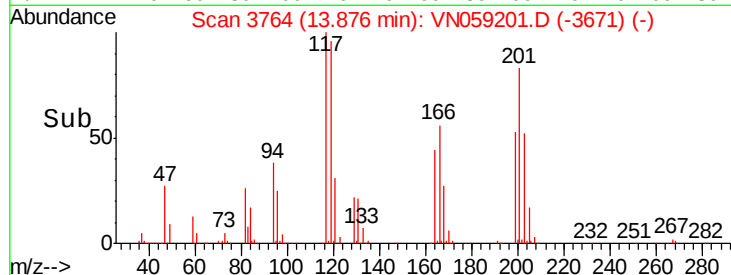
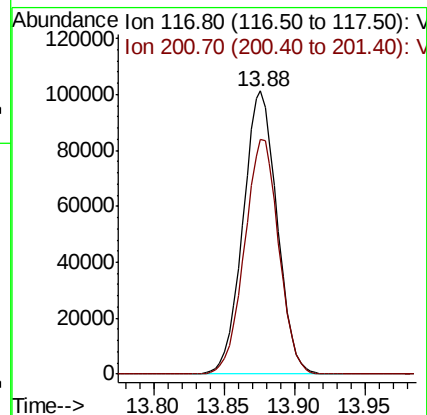
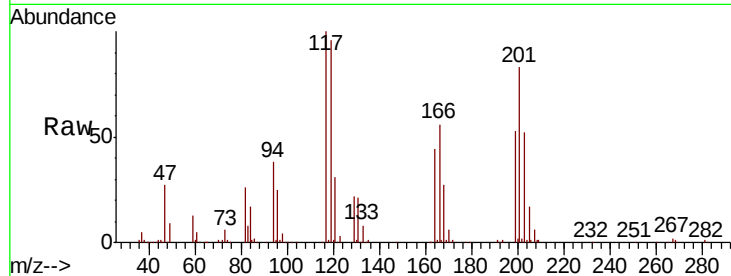
MW-305-SRI4MS

Tot Ion:117 Resp: 171043

Ion Ratio Lower Upper

117 100

201 83.5 41.8 125.3



#91

1,2-Dichlorobenzene

Concen: 50.497 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

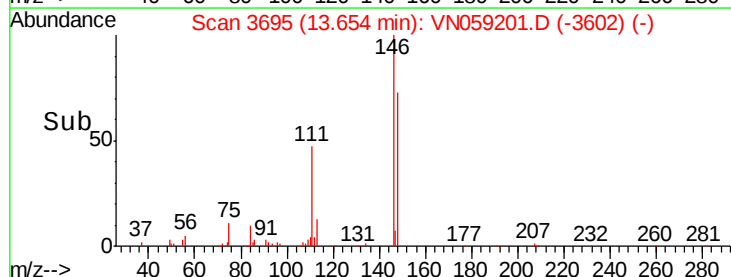
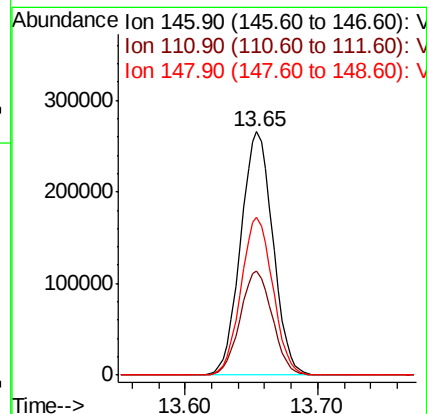
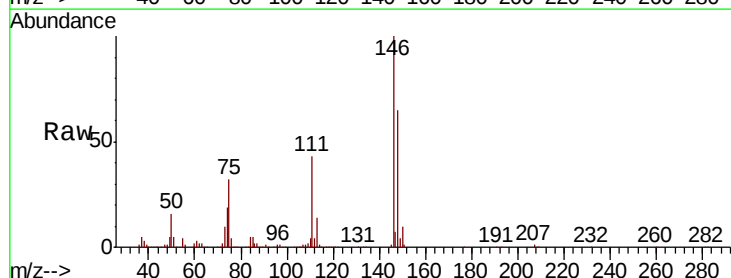
Tgt Ion:146 Resp: 448392

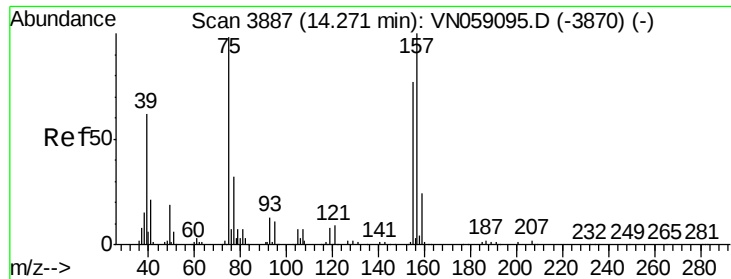
Ion Ratio Lower Upper

146 100

111 42.7 21.2 63.6

148 64.2 31.6 94.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.393 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MS

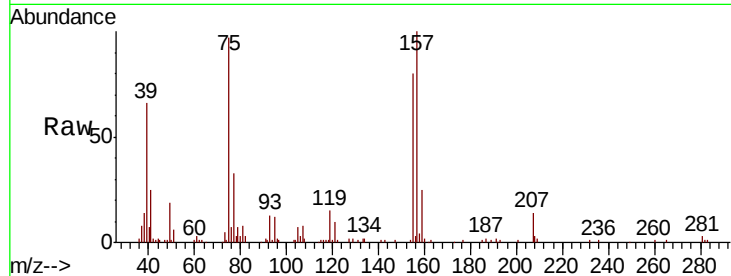
Tot Ion: 75 Resp: 70408

Ion Ratio Lower Upper

75 100

155 80.9 40.2 120.6

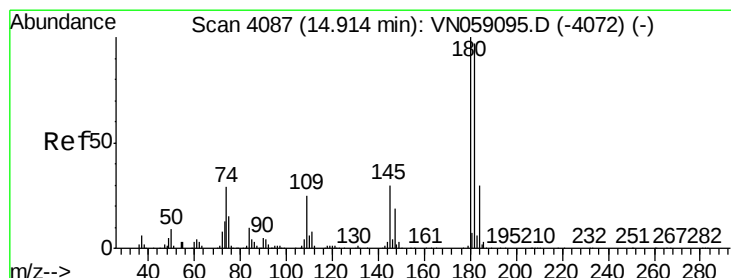
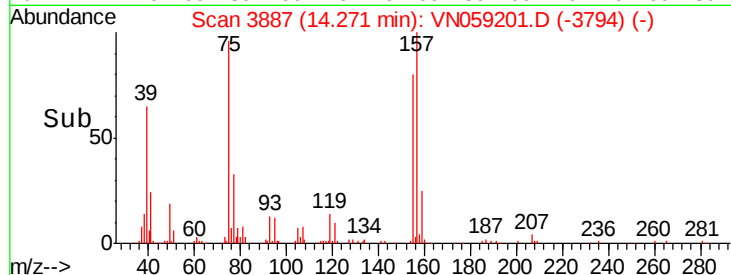
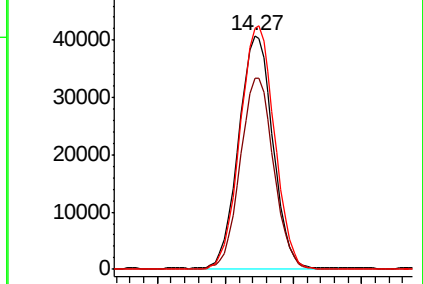
157 105.5 51.8 155.5



Abundance Ion 74.90 (74.60 to 75.60): VN059201.D (-3794) (-)

Ion 154.80 (154.50 to 155.50): VN059201.D (-3794) (-)

Ion 156.80 (156.50 to 157.50): VN059201.D (-3794) (-)



#93

1,2,4-Trichlorobenzene

Concen: 45.171 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

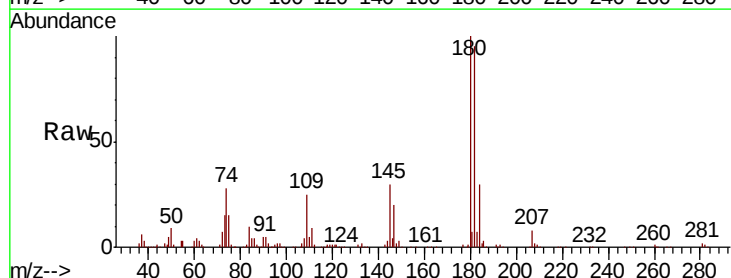
Tgt Ion: 180 Resp: 241664

Ion Ratio Lower Upper

180 100

182 94.4 48.1 144.3

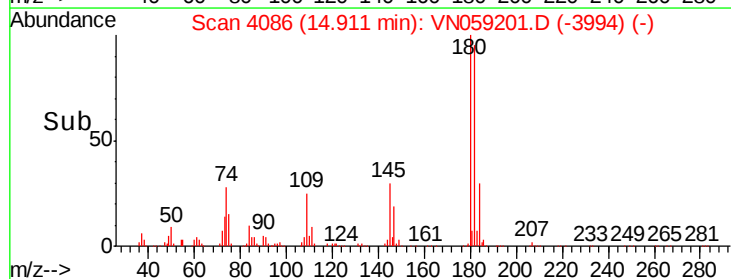
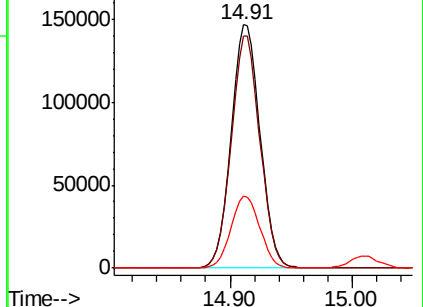
145 29.9 15.1 45.3

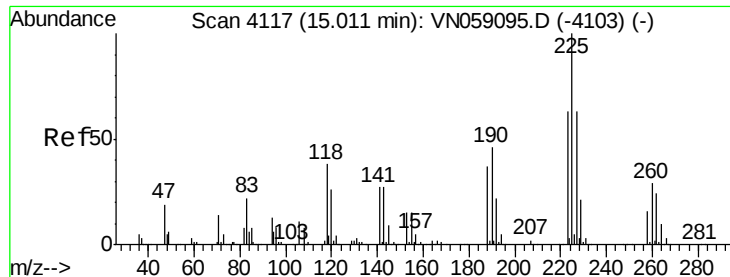


Abundance Ion 179.80 (179.50 to 180.50): VN059201.D (-3994) (-)

Ion 181.80 (181.50 to 182.50): VN059201.D (-3994) (-)

Ion 144.80 (144.50 to 145.50): VN059201.D (-3994) (-)





#94

Hexachlorobutadiene

Concen: 46.510 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4MS

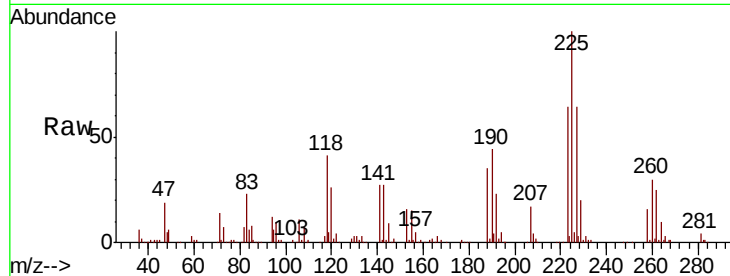
Tot Ion:225 Resp: 142399

Ion Ratio Lower Upper

225 100

223 64.1 31.3 93.9

227 63.6 31.5 94.5

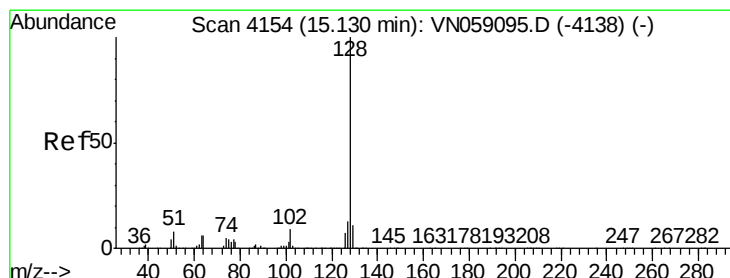
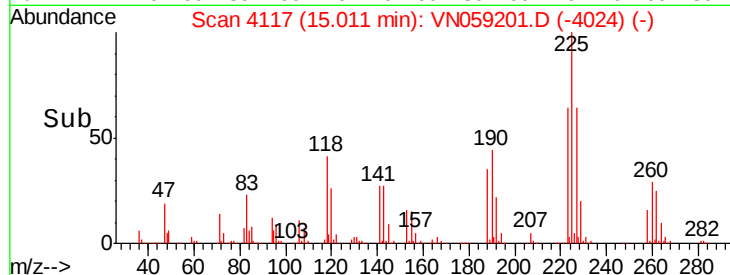
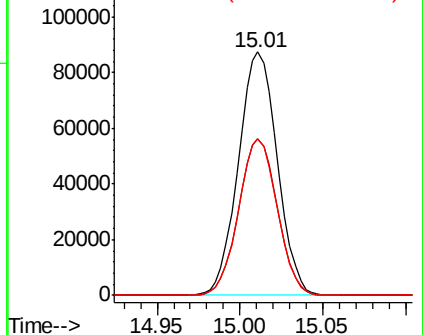


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 44.477 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059201.D

Acq: 12 Nov 2019 19:10

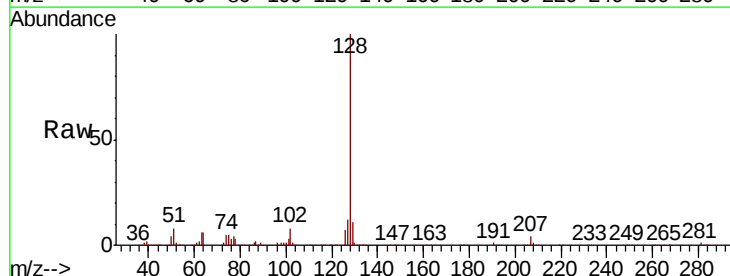
Tgt Ion:128 Resp: 659423

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

129 10.8 8.6 12.8

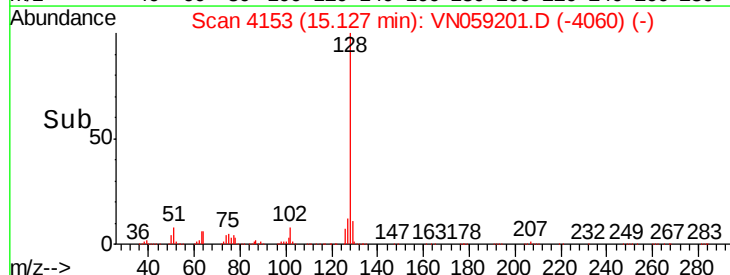
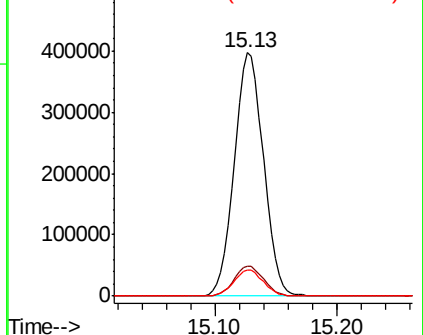


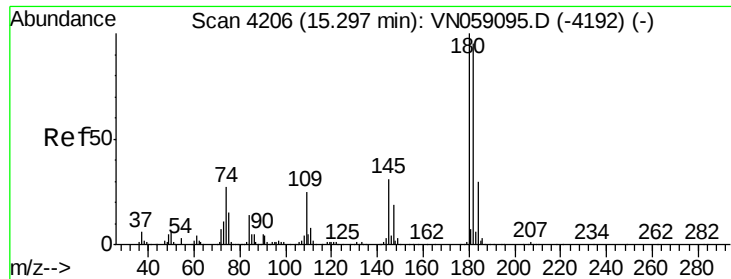
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

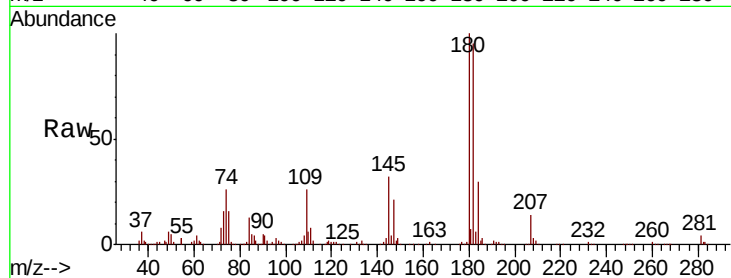




#96
 1,2,3-Trichlorobenzene
 Concen: 47.907 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN059201.D
 Acq: 12 Nov 2019 19:10

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	141.8
145	32.0	15.8	47.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

