

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
 Data File : VN059096.D
 Acq On : 6 Nov 2019 10:23
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 03:14:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 03:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	550093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	852726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	790073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	398201	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	664380	93.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.50%	
35) Dibromofluoromethane	7.57	113	518495	96.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.38%	
50) Toluene-d8	10.08	98	2058982	98.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.72%	
62) 4-Bromofluorobenzene	12.40	95	782198	104.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	533821	90.451	ug/l	99
3) Chloromethane	2.04	50	700813	87.646	ug/l	100
4) Vinyl Chloride	2.17	62	702005	90.329	ug/l	99
5) Bromomethane	2.52	94	374708	81.870	ug/l	100
6) Chloroethane	2.67	64	405023	85.100	ug/l	100
7) Trichlorofluoromethane	2.99	101	838384	90.555	ug/l	100
8) Diethyl Ether	3.38	74	346678	95.568	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	506989	92.809	ug/l	100
10) Methyl Iodide	3.92	142	687460	103.068	ug/l	100
11) Tert butyl alcohol	4.76	59	647814	483.076	ug/l	99
12) 1,1-Dichloroethene	3.71	96	497949	91.720	ug/l	100
13) Acrolein	3.58	56	311052	384.954	ug/l	100
14) Allyl chloride	4.29	41	1030714	95.816	ug/l	98
15) Acrylonitrile	4.95	53	1667021	493.644	ug/l	99
16) Acetone	3.79	43	1825677	493.035	ug/l	98
17) Carbon Disulfide	4.02	76	1509037	88.098	ug/l	100
18) Methyl Acetate	4.29	43	838374	89.890	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	1781964	96.236	ug/l	100
20) Methylene Chloride	4.52	84	583917	90.629	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	544810	93.592	ug/l	98
22) Diisopropyl ether	5.92	45	2001323	97.591	ug/l	100
23) Vinyl Acetate	5.86	43	7691475	472.067	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	1078155	91.887	ug/l	99
25) 2-Butanone	6.81	43	2445085	499.313	ug/l	100
26) 2,2-Dichloropropane	6.80	77	922096	90.686	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	631669	96.009	ug/l	99
28) Bromochloromethane	7.17	49	301695	83.875	ug/l	99
29) Tetrahydrofuran	7.18	42	1511820	489.610	ug/l	99
30) Chloroform	7.35	83	1023398	91.259	ug/l	99
31) Cyclohexane	7.63	56	1005544	90.233	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	887200	93.529	ug/l	100
36) 1,1-Dichloropropene	7.77	75	814633	96.601	ug/l	99
37) Ethyl Acetate	6.90	43	904709	96.422	ug/l	100
38) Carbon Tetrachloride	7.75	117	789304	95.937	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 03:14:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 03:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	985080	101.354	ug/l	99
40) Benzene	8.02	78	2397194	95.536	ug/l	100
41) Methacrylonitrile	7.18	41	1296865	317.985	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	814956	93.463	ug/l	100
43) Isopropyl Acetate	8.14	43	1473724	100.660	ug/l	100
44) Trichloroethene	8.82	130	586833	94.945	ug/l	99
45) 1,2-Dichloropropane	9.10	63	656984	96.718	ug/l	99
46) Dibromomethane	9.19	93	397853	94.885	ug/l	99
47) Bromodichloromethane	9.39	83	827643	97.281	ug/l	97
48) Methyl methacrylate	9.18	41	682443	102.174	ug/l	99
49) 1,4-Dioxane	9.18	88	246626	2278.546	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	4085323	478.956	ug/l	92
52) Toluene	10.14	92	1484987	101.175	ug/l	96
53) t-1,3-Dichloropropene	10.37	75	978781	99.770	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1052301	101.790	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	575717	95.941	ug/l	100
56) Ethyl methacrylate	10.42	69	1000676	110.912	ug/l	98
57) 1,3-Dichloropropane	10.70	76	1021956	98.067	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	1469781	410.468	ug/l	100
59) 2-Hexanone	10.74	43	3323991	512.977	ug/l	94
60) Dibromochloromethane	10.90	129	645234	100.129	ug/l	100
61) 1,2-Dibromoethane	11.00	107	609683	100.620	ug/l	99
64) Tetrachloroethene	10.62	164	519262	94.147	ug/l	99
65) Chlorobenzene	11.43	112	1543461	95.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	576084	96.762	ug/l	99
67) Ethyl Benzene	11.51	91	2752093	98.429	ug/l	95
68) m/p-Xylenes	11.62	106	2134812	204.174	ug/l	90
69) o-Xylene	11.95	106	1029312	103.174	ug/l	96
70) Styrene	11.96	104	1746272	108.220	ug/l	99
71) Bromoform	12.12	173	483210	104.980	ug/l #	99
73) Isopropylbenzene	12.25	105	2693076	92.147	ug/l	98
74) N-amyl acetate	12.07	43	1304404	100.843	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	918905	88.248	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1251490	134.480	ug/l #	100
77) Bromobenzene	12.53	156	670337	91.415	ug/l	99
78) n-propylbenzene	12.59	91	3136779	92.870	ug/l	96
79) 2-Chlorotoluene	12.67	91	1937103	92.358	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2354383	94.726	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	355346	97.926	ug/l	97
82) 4-Chlorotoluene	12.77	91	2014068	94.004	ug/l	99
83) tert-Butylbenzene	12.99	119	2022520	95.514	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2351610	97.710	ug/l	99
85) sec-Butylbenzene	13.17	105	2677485	96.720	ug/l	98
86) p-Isopropyltoluene	13.29	119	2446361	98.126	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1230438	94.796	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1225805	95.574	ug/l	99
89) n-Butylbenzene	13.62	91	2260050	104.403	ug/l	98
90) Hexachloroethane	13.88	117	459068	92.771	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1187297	91.698	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	195174	86.937	ug/l	99

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MSVOA_N
ClientSampleId :

Quant Time: Nov 07 03:14:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 03:09:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	757930	109.163	ug/l	99
94) Hexachlorobutadiene	15.01	225	395738	94.335	ug/l	99
95) Naphthalene	15.13	128	2181147	114.666	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	750533	105.699	ug/l	99

(#) = 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: VN059096.D

Acq: 6 Nov 2019 10:23

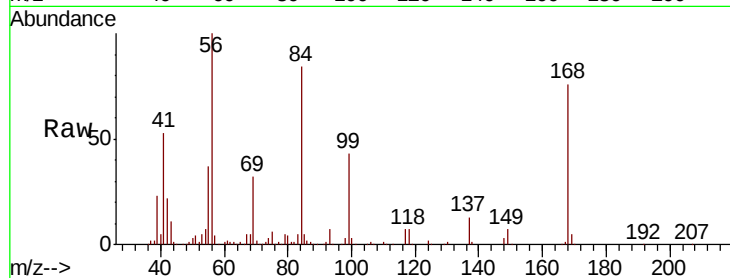
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 550093

Ion Ratio Lower Upper

168 100

99 57.0 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

250000

200000

150000

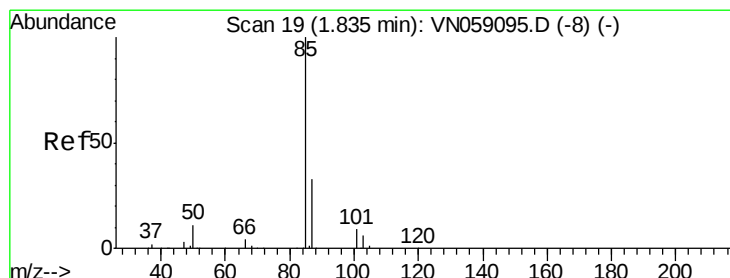
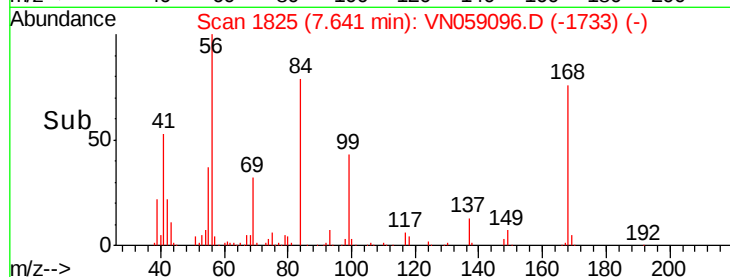
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 90.451 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059096.D

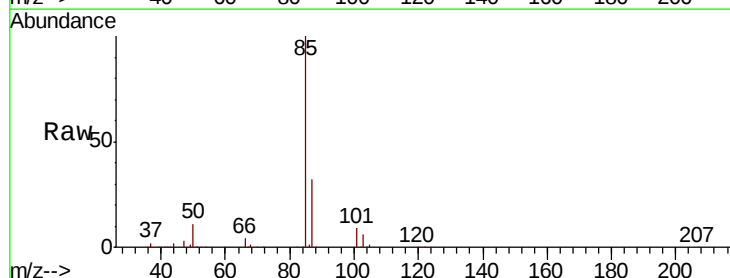
Acq: 6 Nov 2019 10:23

Tgt Ion: 85 Resp: 533821

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

400000

300000

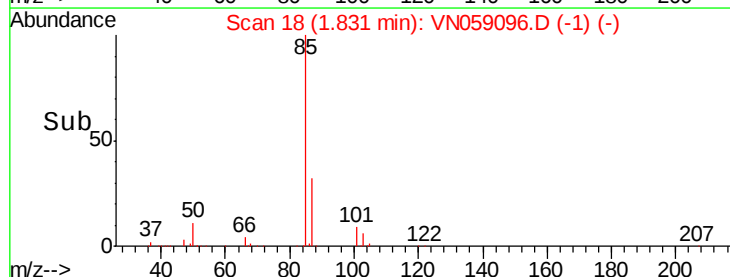
200000

100000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 87.646 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

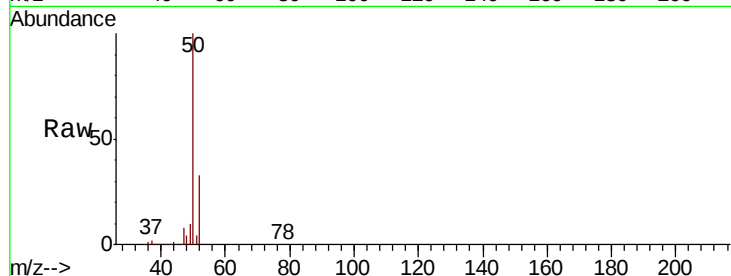
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 700813

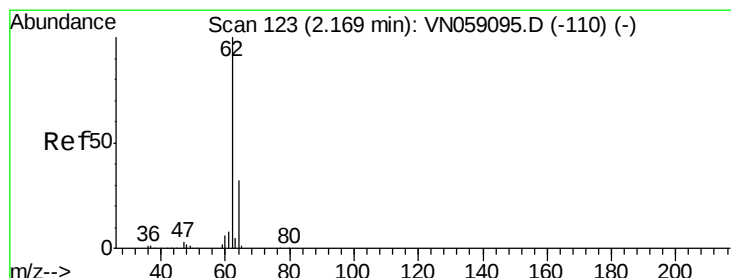
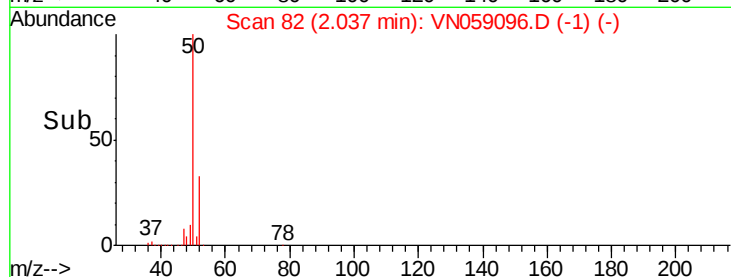
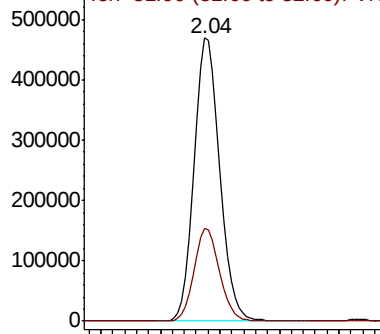
Ion Ratio Lower Upper

50 100

52 32.8 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 90.329 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059096.D

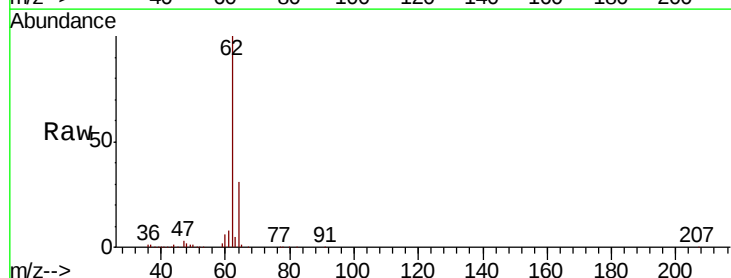
Acq: 6 Nov 2019 10:23

Tgt Ion: 62 Resp: 702005

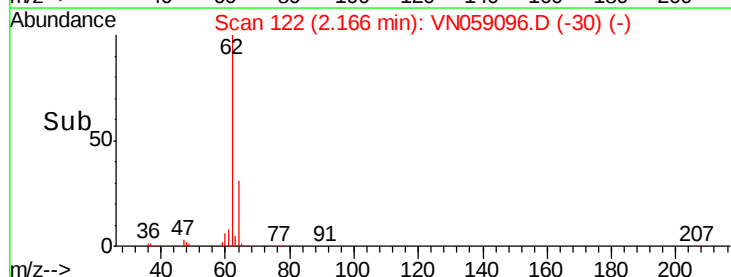
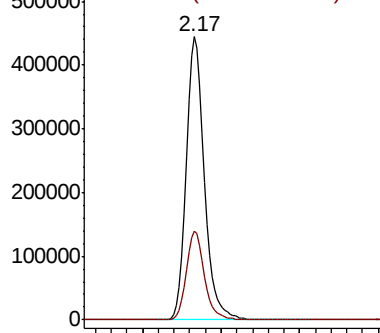
Ion Ratio Lower Upper

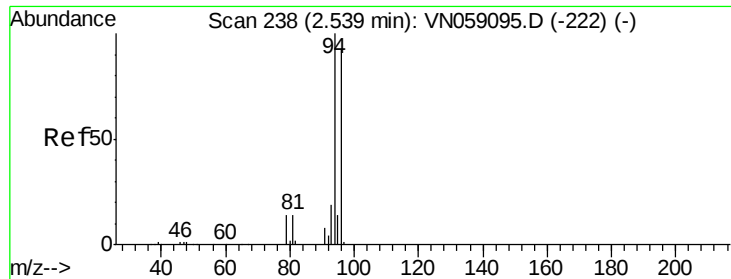
62 100

64 31.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 81.870 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

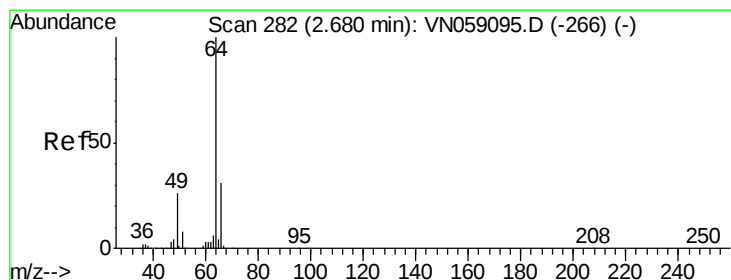
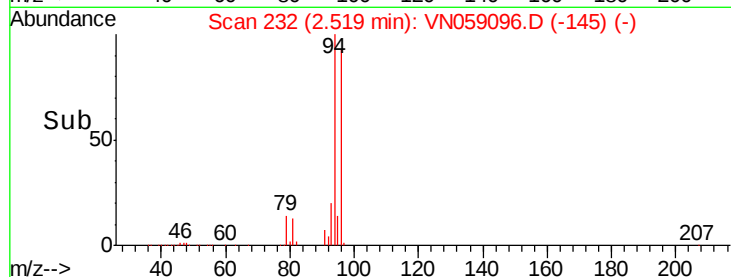
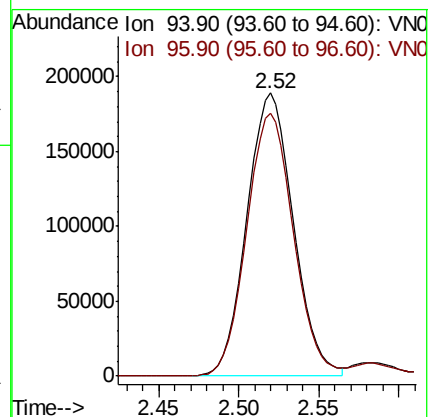
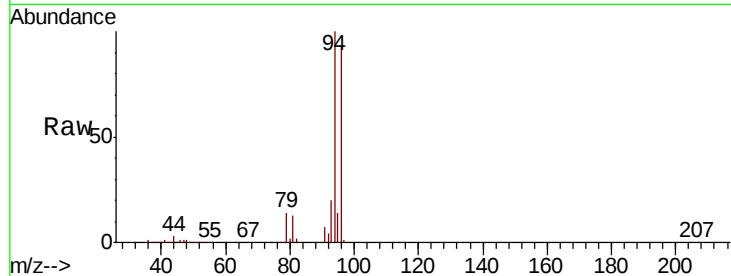
ClientSampleId :

Tot Ion: 94 Resp: 374708

Ion Ratio Lower Upper

94 100

96 93.1 74.2 111.2



#6

Chloroethane

Concen: 85.100 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN059096.D

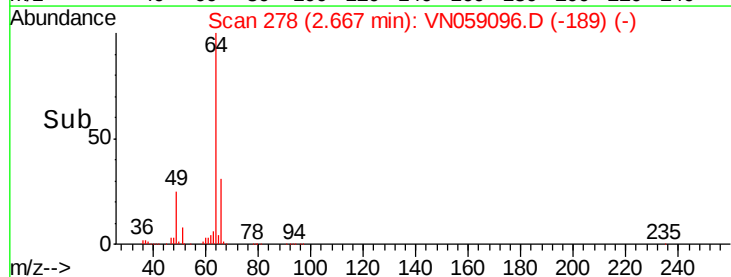
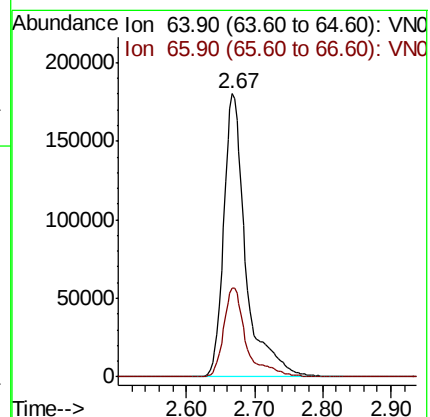
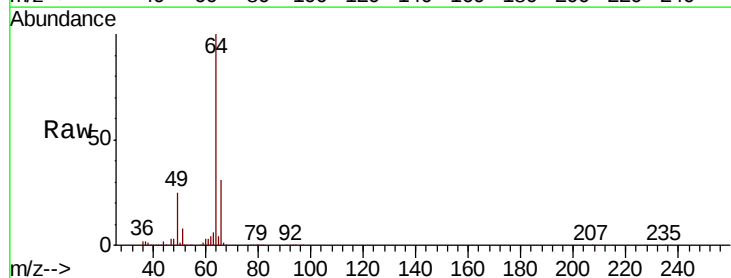
Acq: 6 Nov 2019 10:23

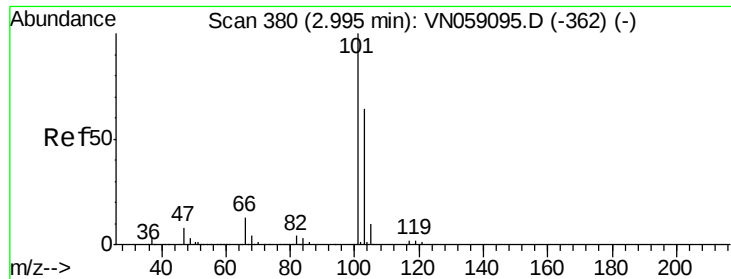
Tgt Ion: 64 Resp: 405023

Ion Ratio Lower Upper

64 100

66 31.4 25.2 37.8



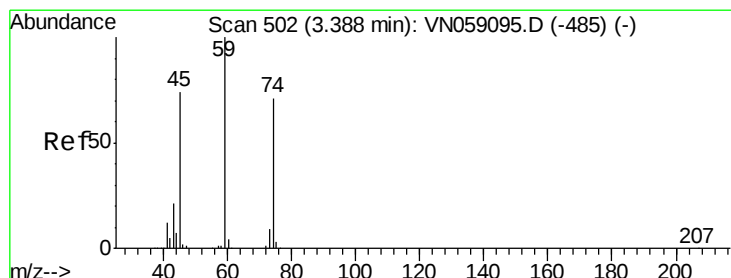
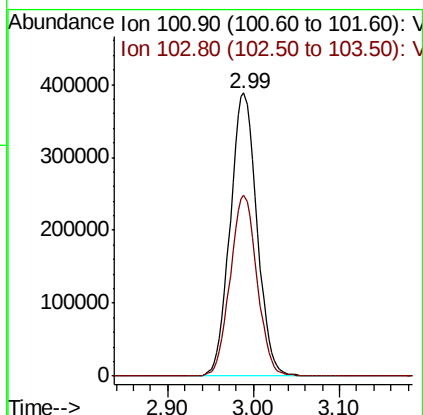
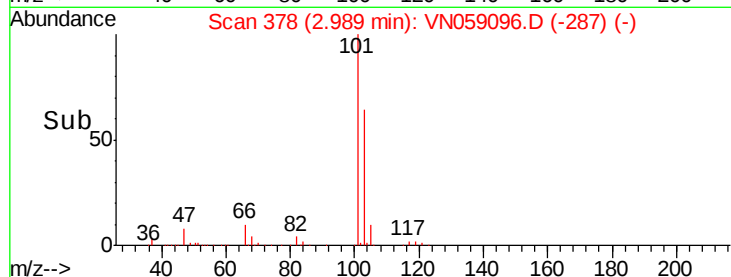
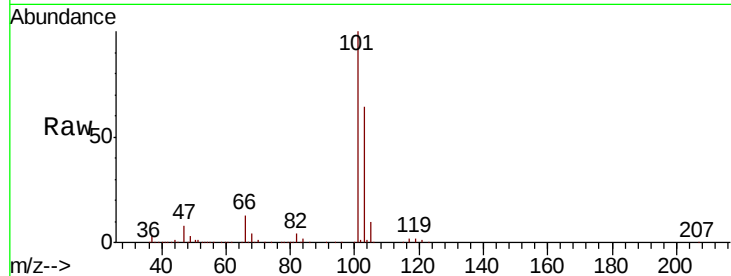


#7

Trichlorofluoromethane
 Concen: 90.555 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Instrument :
 MSVOA_N
 ClientSampled :

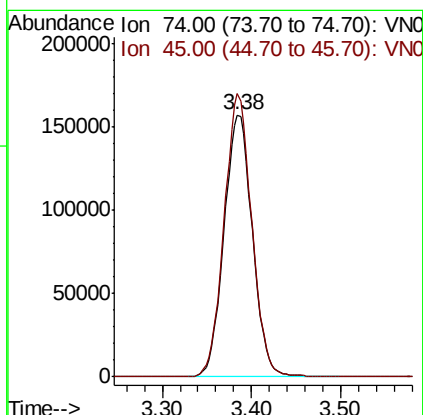
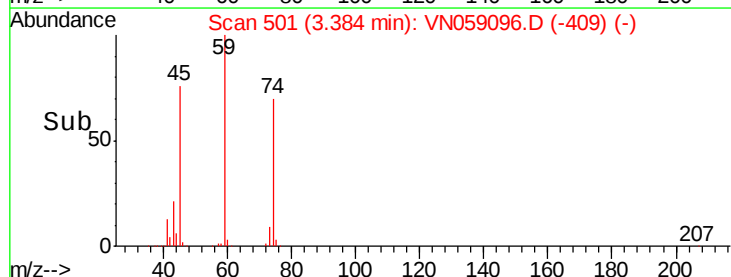
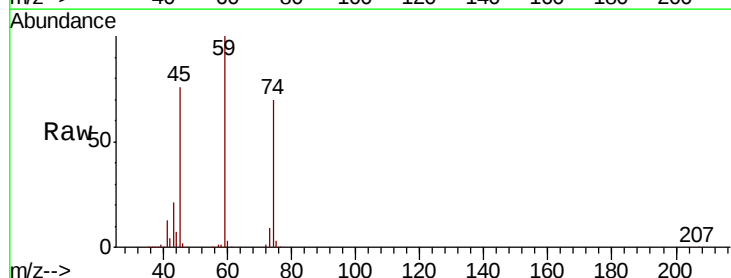
Tot Ion:101 Resp: 838384
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.2 76.8



#8

Diethyl Ether
 Concen: 95.568 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 74 Resp: 346678
 Ion Ratio Lower Upper
 74 100
 45 105.1 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.809 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

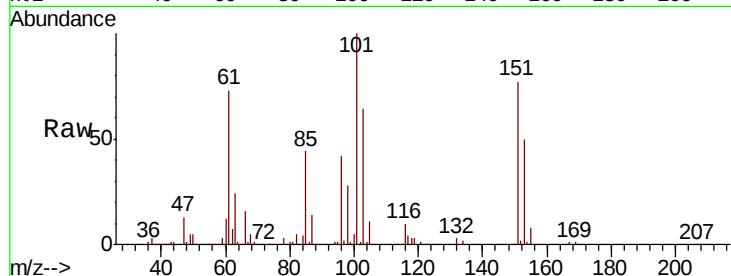
Tot Ion:101 Resp: 506989

Ion Ratio Lower Upper

101 100

85 44.3 35.5 53.3

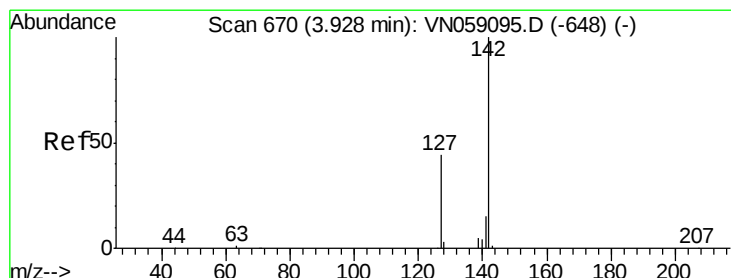
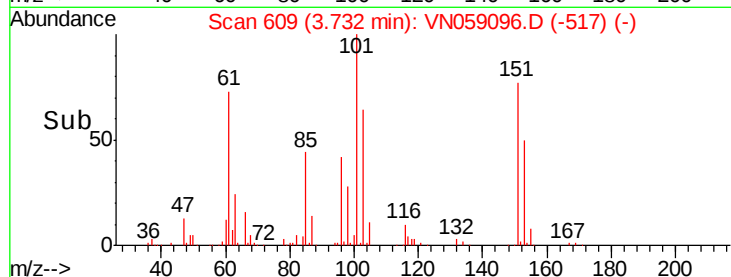
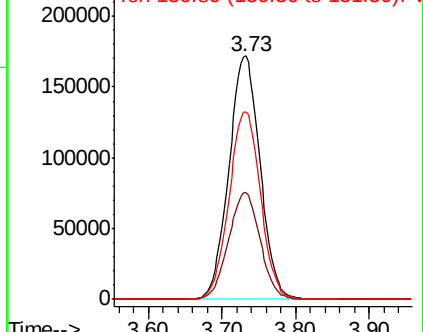
151 77.9 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 103.068 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

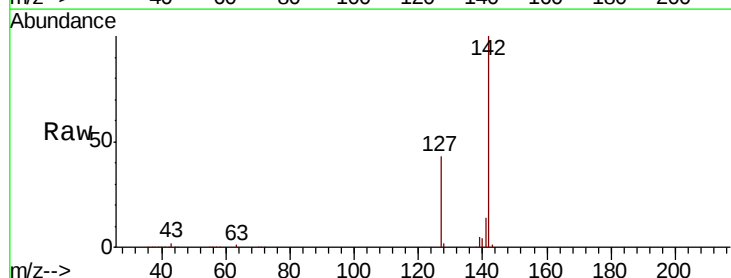
Tgt Ion:142 Resp: 687460

Ion Ratio Lower Upper

142 100

127 42.6 34.2 51.2

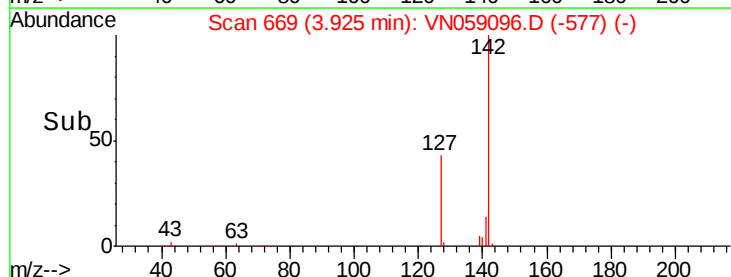
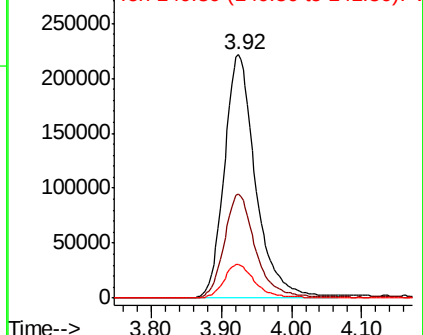
141 13.9 11.4 17.0

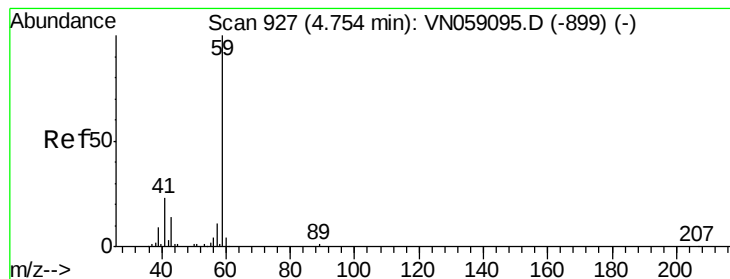


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



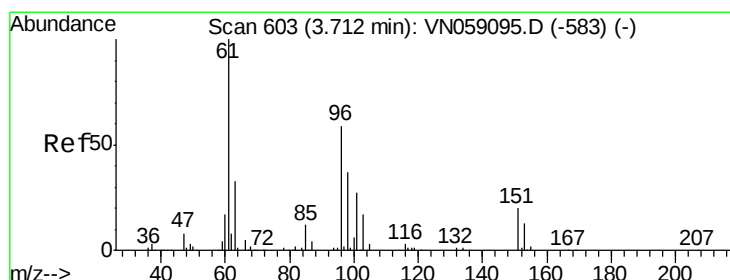
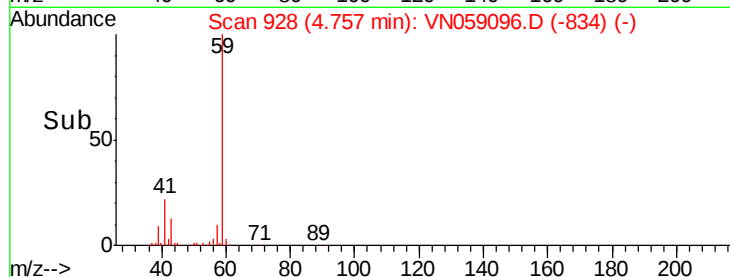
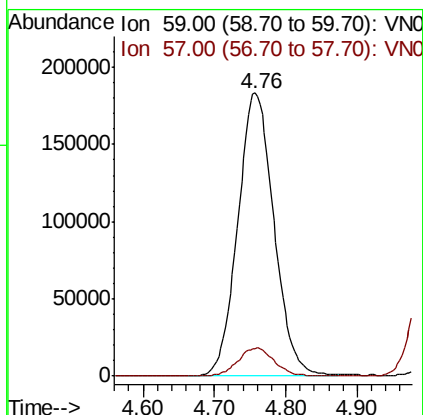
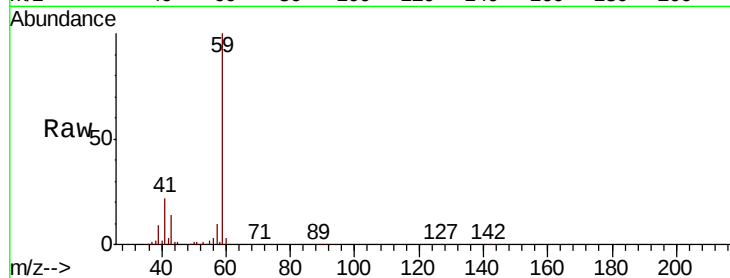


#11

Tert butyl alcohol
 Concen: 483.076 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Instrument :
 MSVOA_N
 ClientSampled :

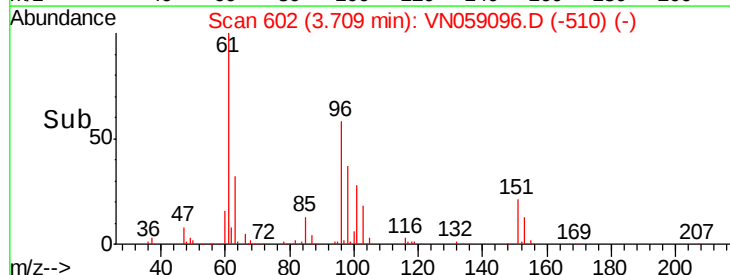
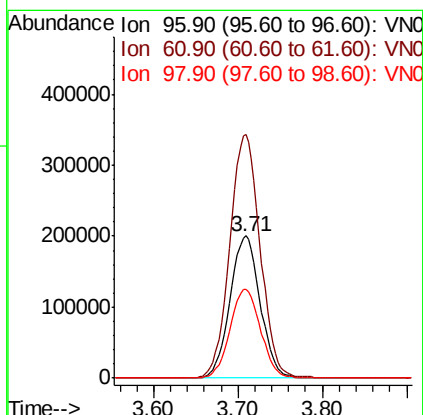
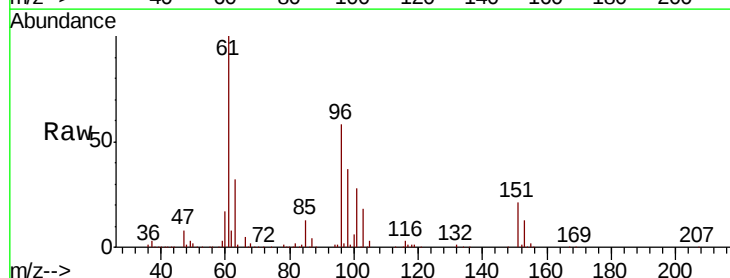
Tot Ion: 59 Resp: 647814
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.3 12.5

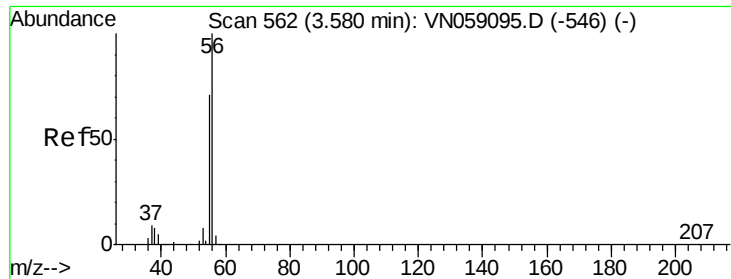


#12

1,1-Dichloroethene
 Concen: 91.720 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 96 Resp: 497949
 Ion Ratio Lower Upper
 96 100
 61 171.1 136.5 204.7
 98 62.5 50.2 75.4





#13

Acrolein

Concen: 384.954 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

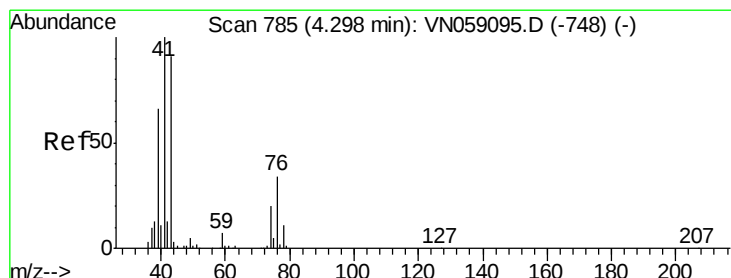
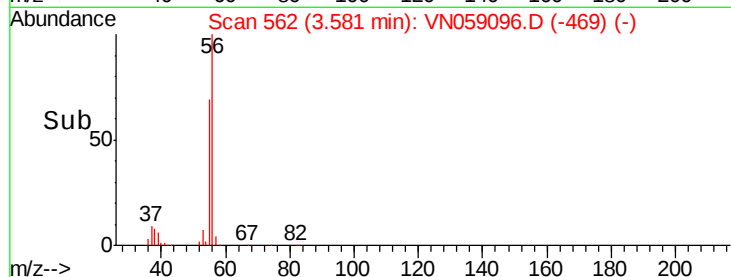
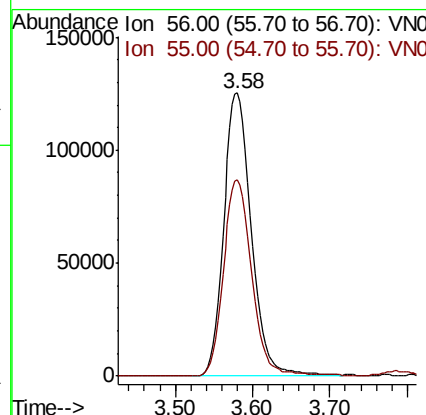
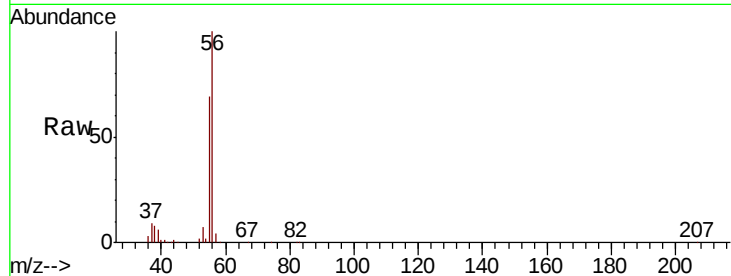
ClientSampled :

Tot Ion: 56 Resp: 311052

Ion Ratio Lower Upper

56 100

55 70.7 56.4 84.6



#14

Allyl chloride

Concen: 95.816 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

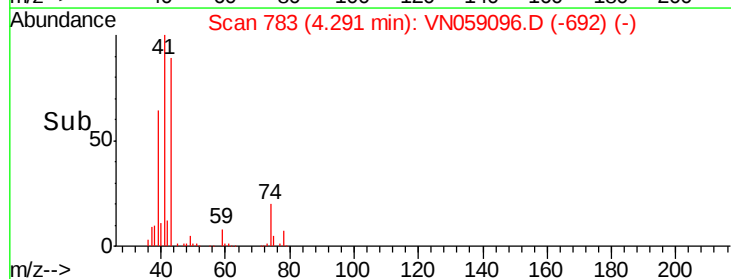
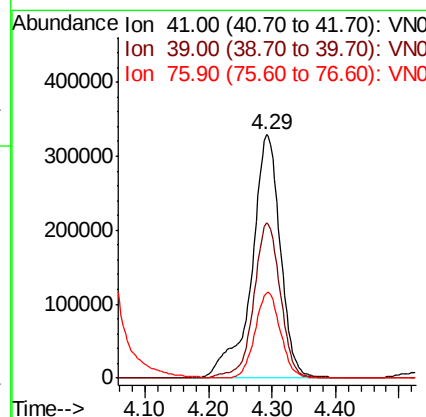
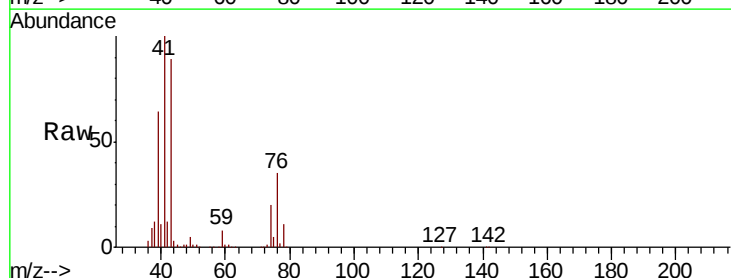
Tgt Ion: 41 Resp: 1030714

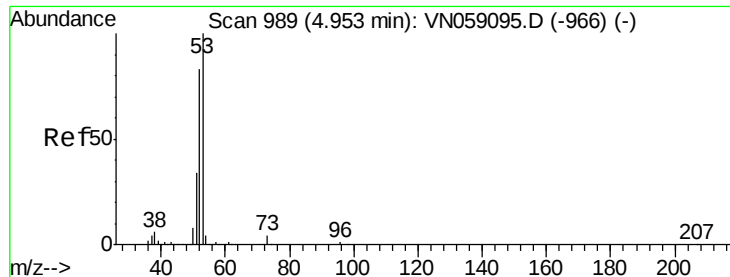
Ion Ratio Lower Upper

41 100

39 59.5 49.1 73.7

76 30.7 24.9 37.3





#15

Acrylonitrile

Concen: 493.644 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

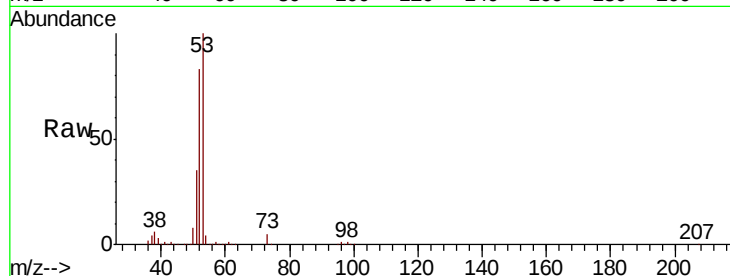
Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 53 Resp: 1667021

Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.0	97.6
51	34.9	28.0	42.0

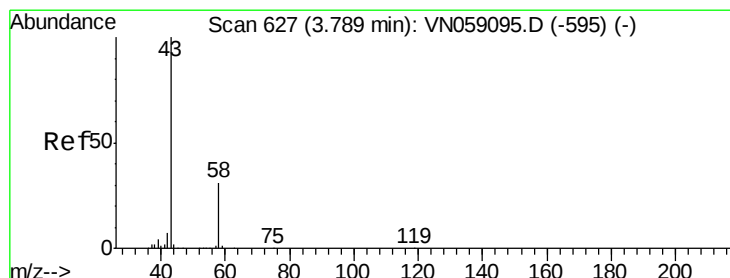
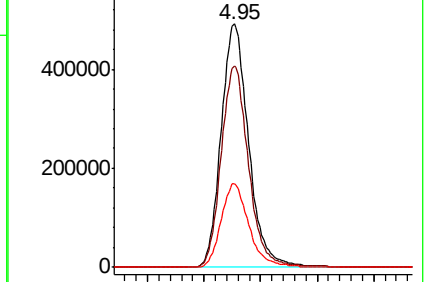
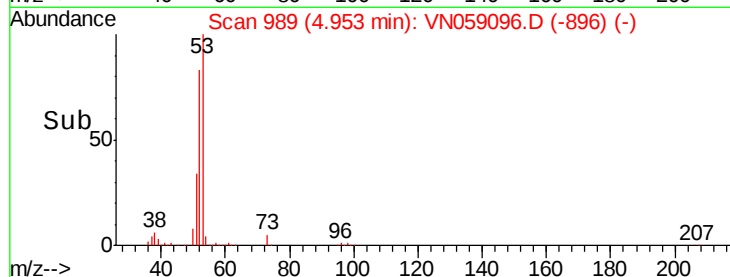


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 493.035 ug/l

RT: 3.79 min Scan# 627

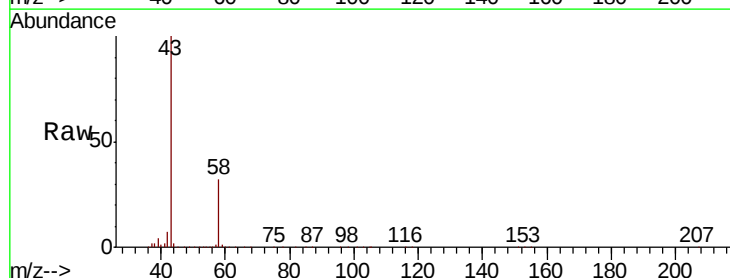
Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion: 43 Resp: 1825677

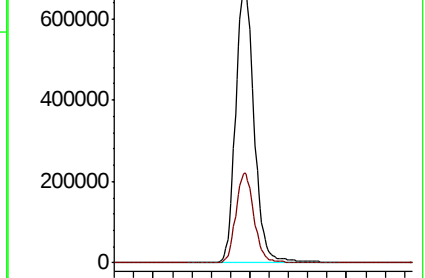
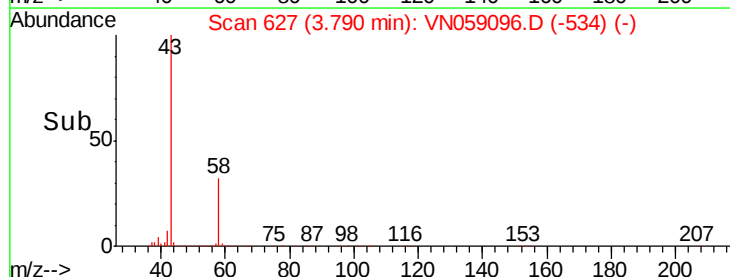
Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.9	37.3

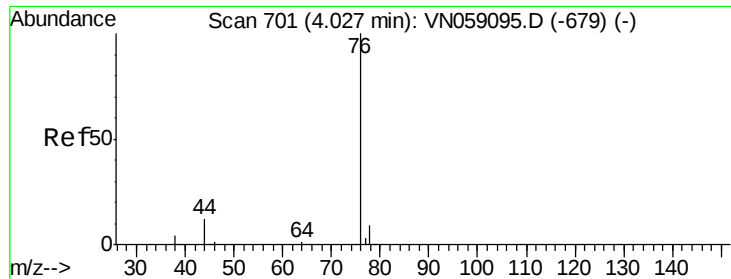


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

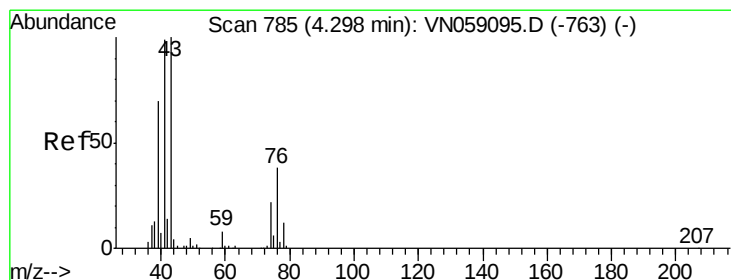
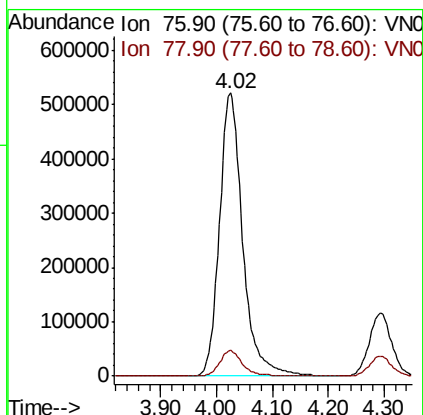
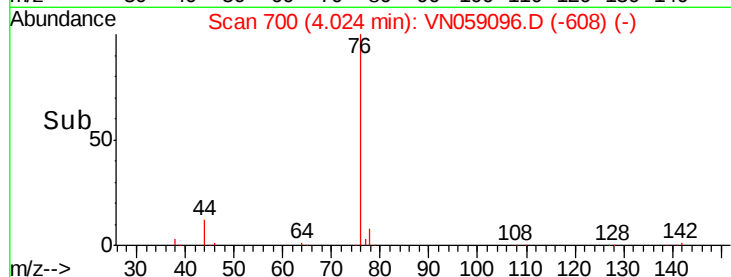
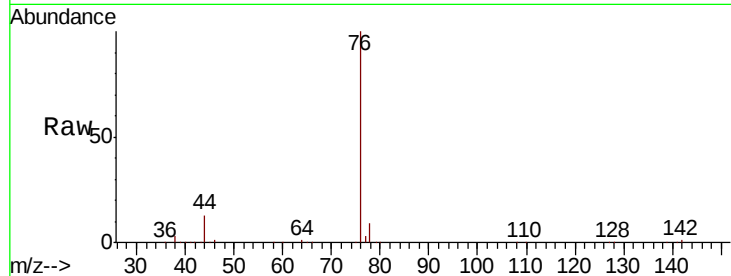




#17
Carbon Disulfide
Concen: 88.098 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

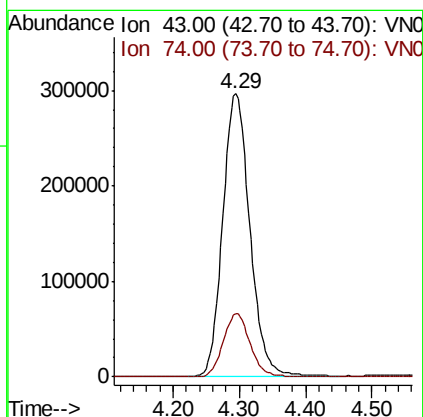
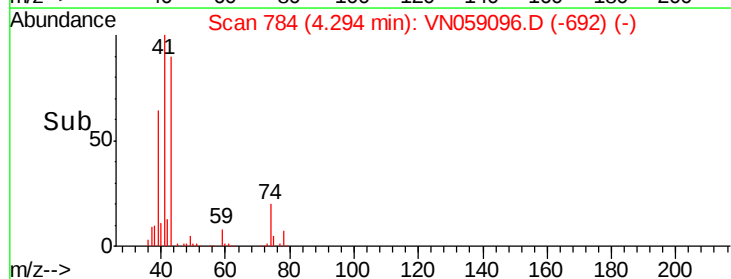
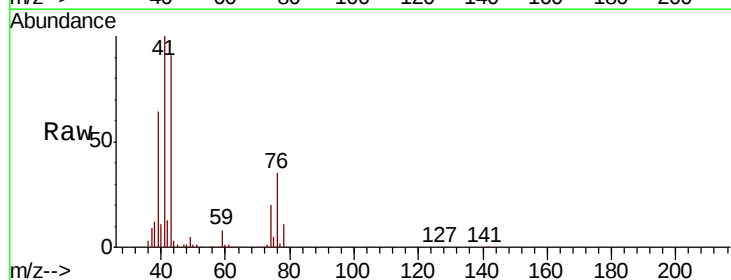
Instrument :
MSVOA_N
ClientSampled :

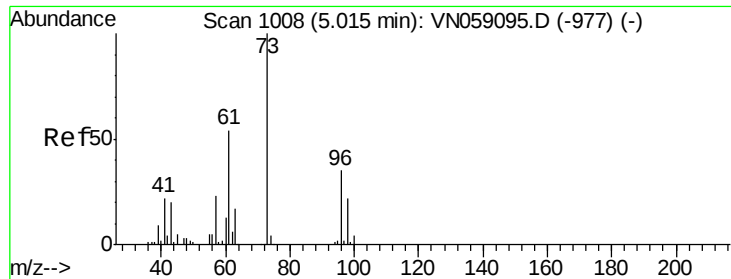
Tot Ion: 76 Resp: 1509037
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 89.890 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 43 Resp: 838374
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.8

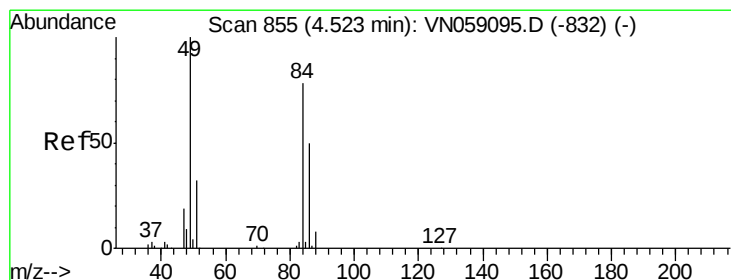
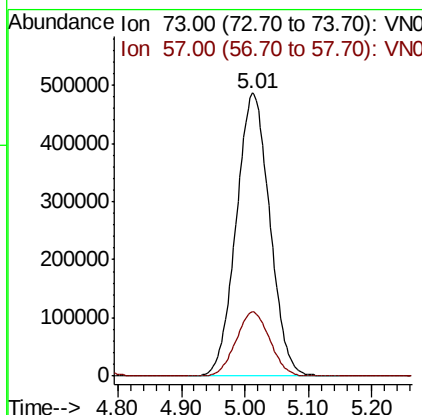
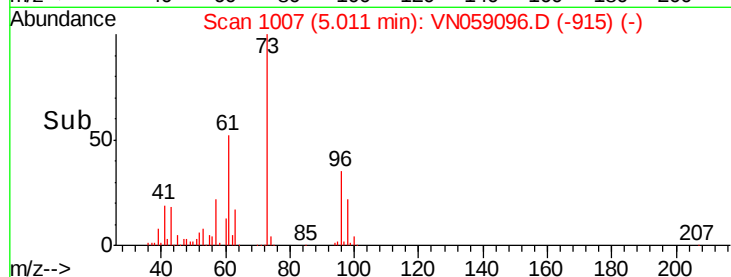
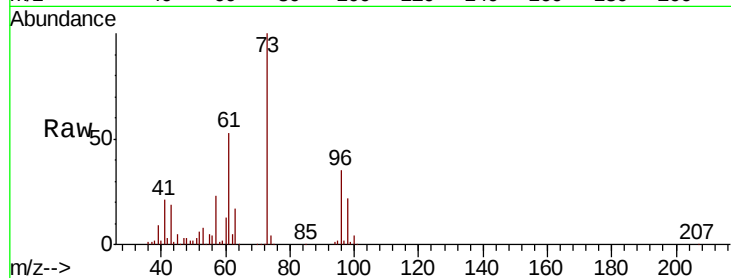




#19
Methvl tert-butvl Ether
Concen: 96.236 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

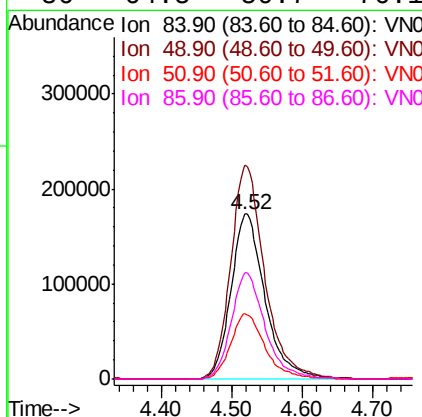
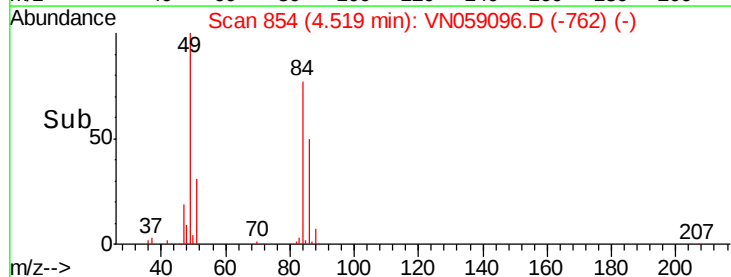
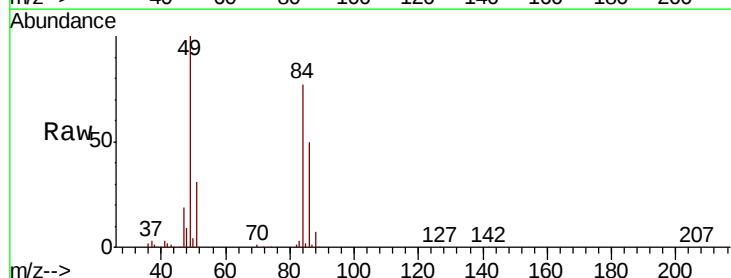
Instrument :
MSVOA_N
ClientSampled :

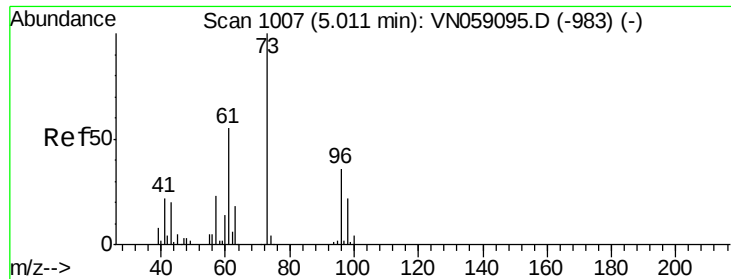
Tot Ion: 73 Resp: 1781964
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6



#20
Methylene Chloride
Concen: 90.629 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 84 Resp: 583917
Ion Ratio Lower Upper
84 100
49 129.6 102.0 153.0
51 39.8 32.2 48.2
86 64.5 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 93.592 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

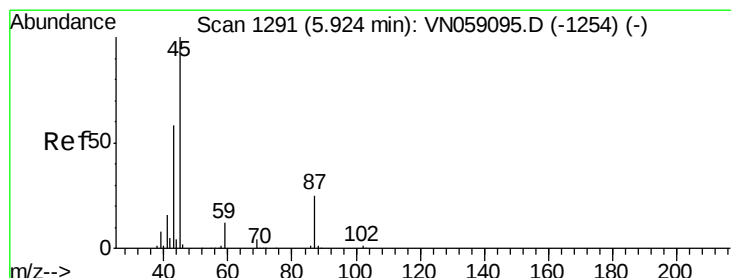
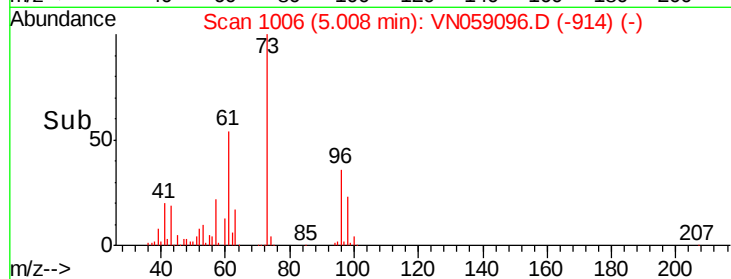
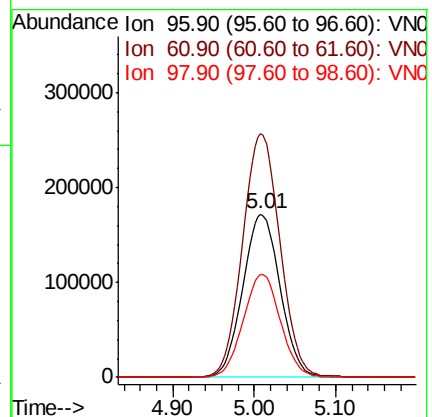
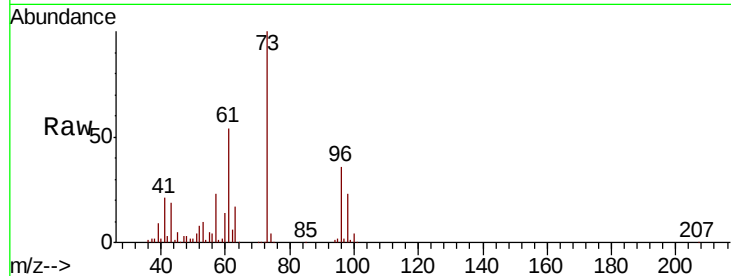
Tot Ion: 96 Resp: 544810

Ion Ratio Lower Upper

96 100

61 149.1 122.6 183.8

98 63.2 50.3 75.5



#22

Diisopropyl ether

Concen: 97.591 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion: 45 Resp: 2001323

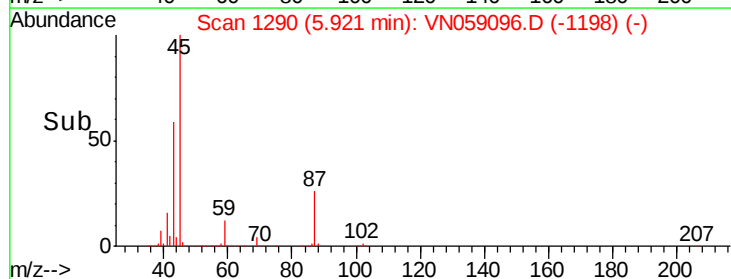
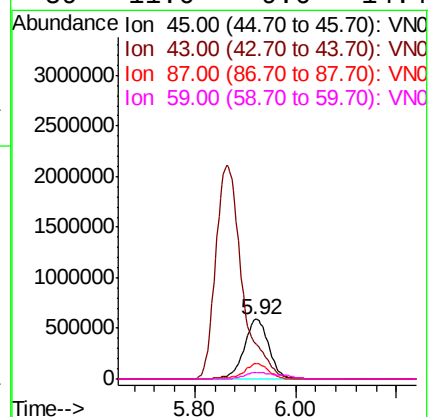
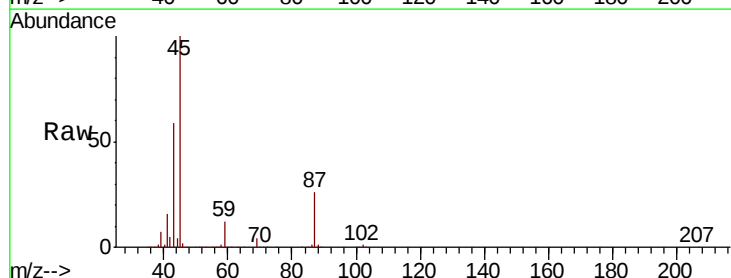
Ion Ratio Lower Upper

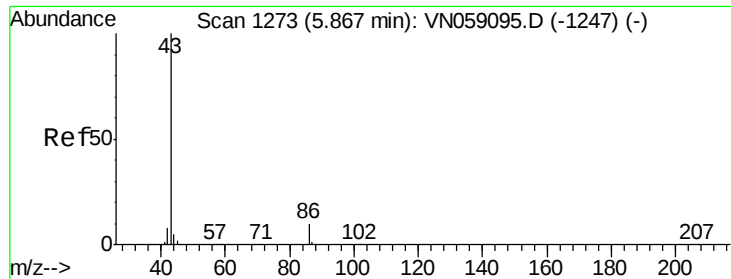
45 100

43 58.7 46.7 70.1

87 25.8 20.5 30.7

59 11.6 9.6 14.4





#23

Vinyl Acetate

Concen: 472.067 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

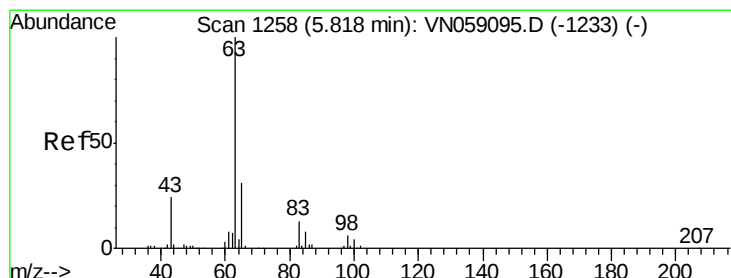
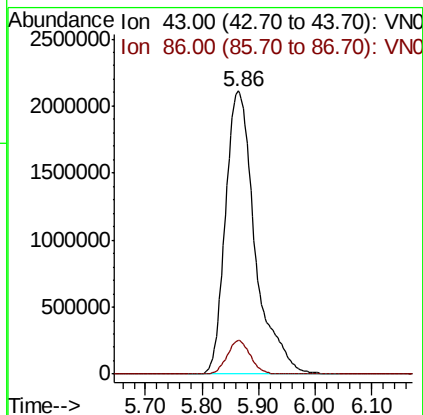
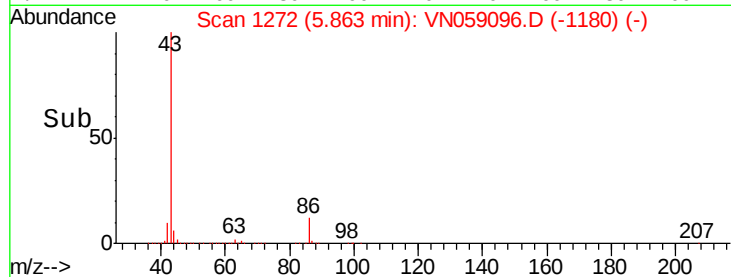
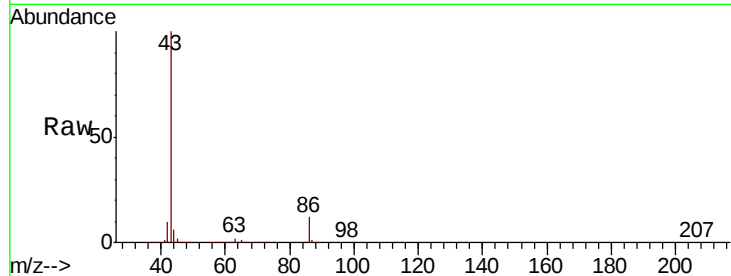
ClientSampleId :

Tot Ion: 43 Resp: 7691475

Ion Ratio Lower Upper

43 100

86 11.7 7.7 11.5#



#24

1,1-Dichloroethane

Concen: 91.887 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

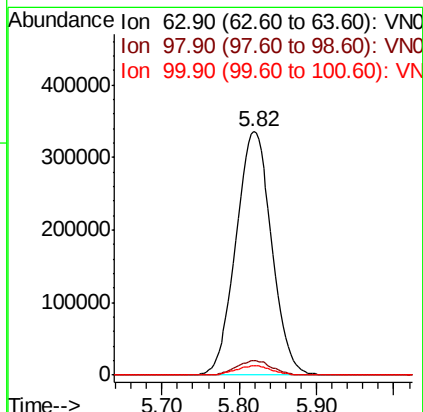
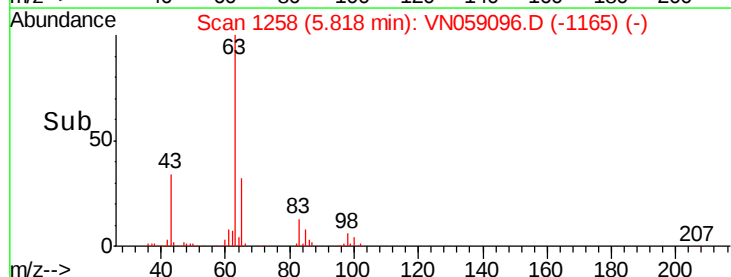
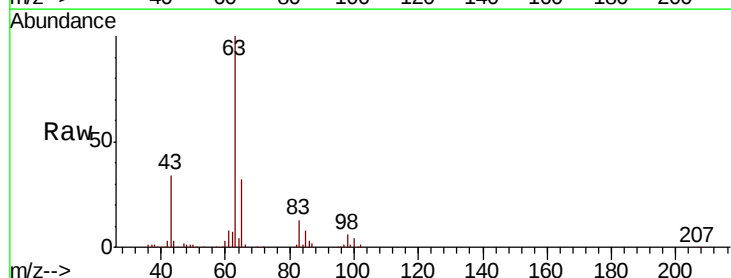
Tgt Ion: 63 Resp: 1078155

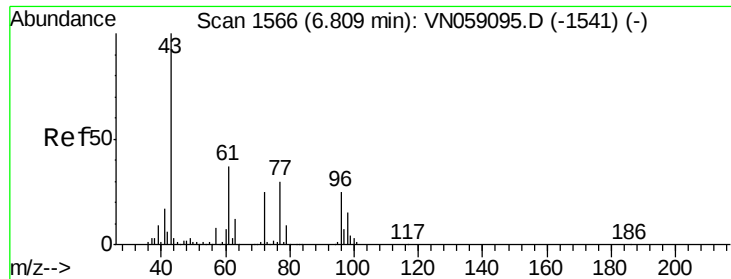
Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 3.7 1.9 5.7

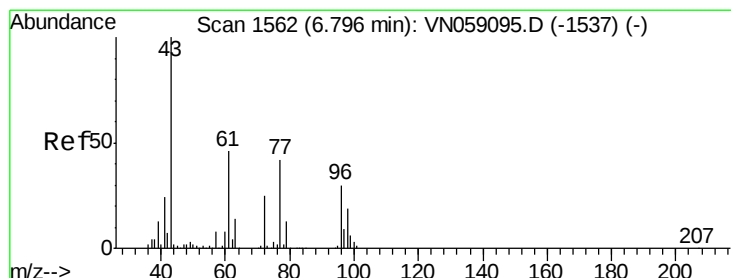
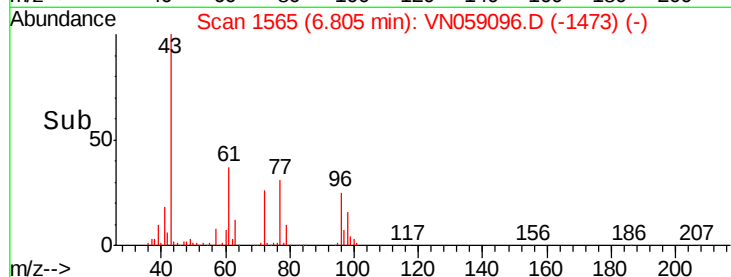
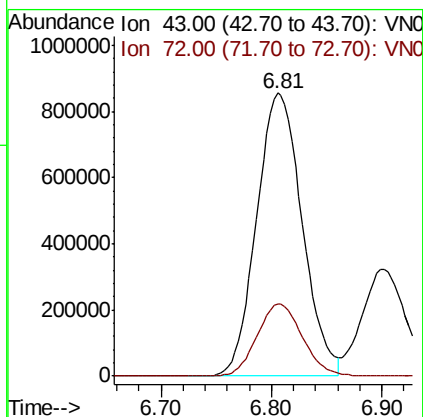
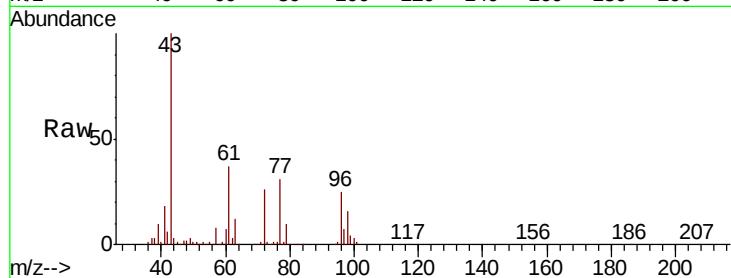




#25
2-Butanone
Concen: 499.313 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

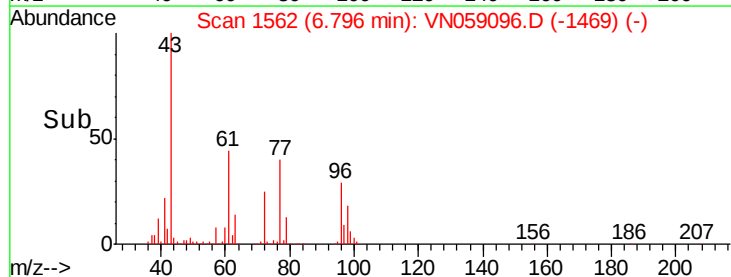
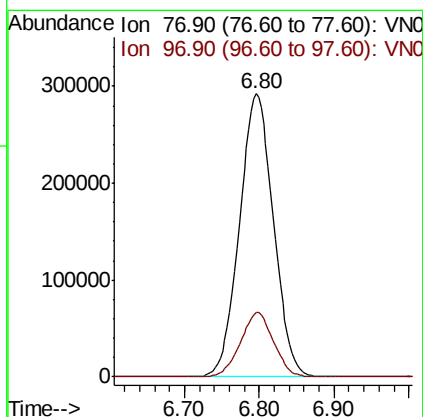
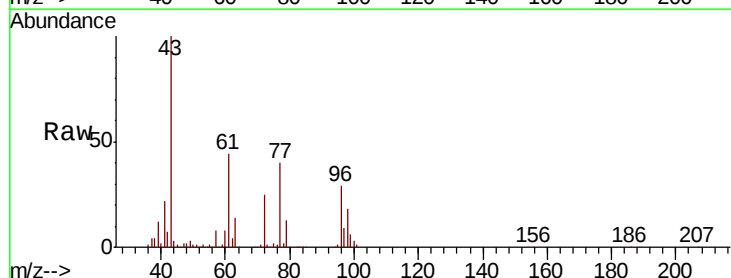
Instrument :
MSVOA_N
ClientSampled :

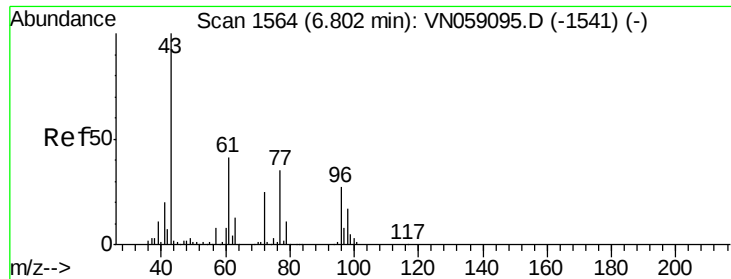
Tot Ion: 43 Resp: 2445085
Ion Ratio Lower Upper
43 100
72 25.6 20.3 30.5



#26
2,2-Dichloropropane
Concen: 90.686 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 77 Resp: 922096
Ion Ratio Lower Upper
77 100
97 22.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 96.009 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampled :

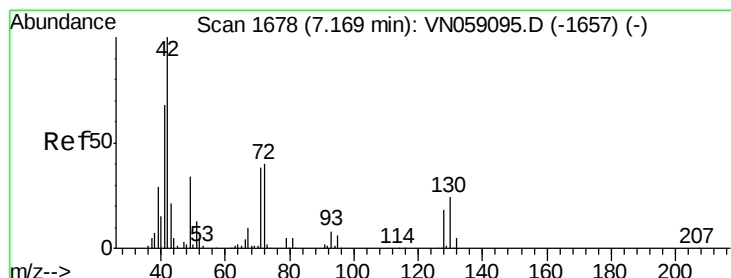
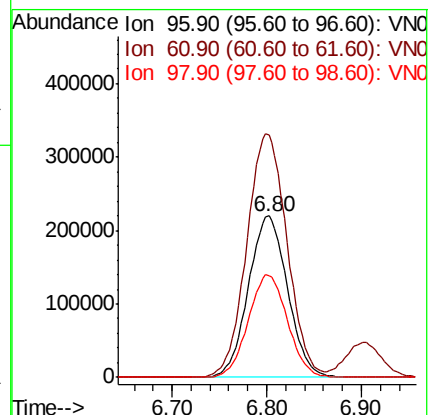
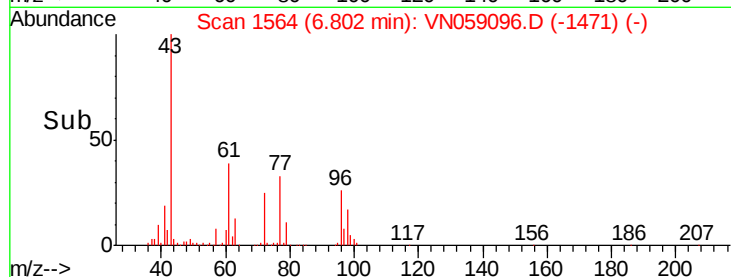
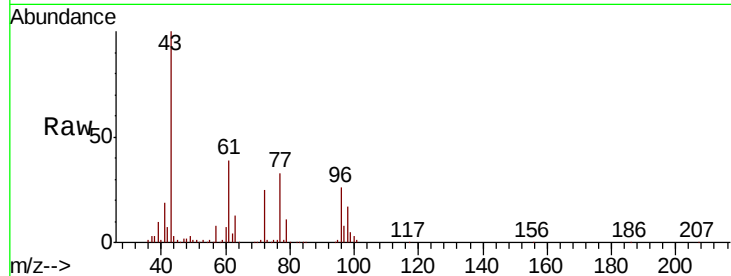
Tot Ion: 96 Resp: 631669

Ion Ratio Lower Upper

96 100

61 155.1 0.0 311.6

98 63.9 0.0 129.8



#28

Bromochloromethane

Concen: 83.875 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

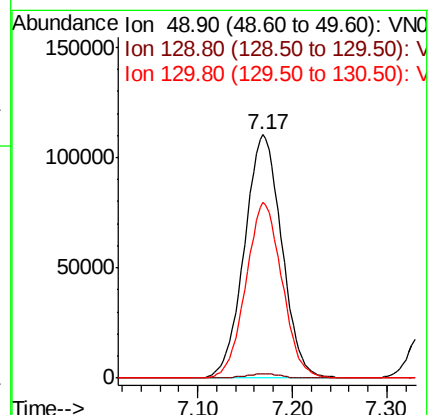
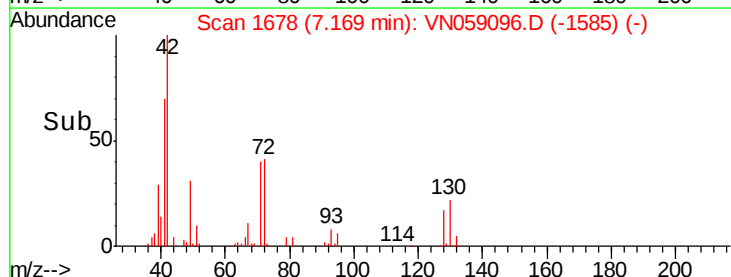
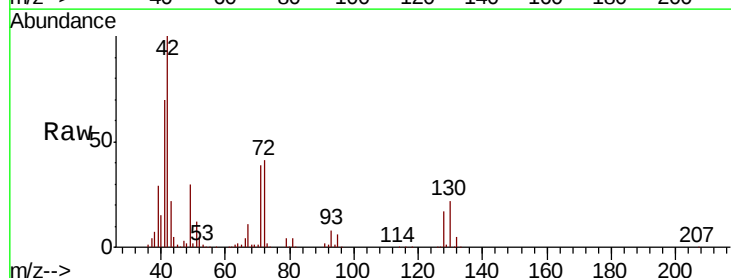
Tgt Ion: 49 Resp: 301695

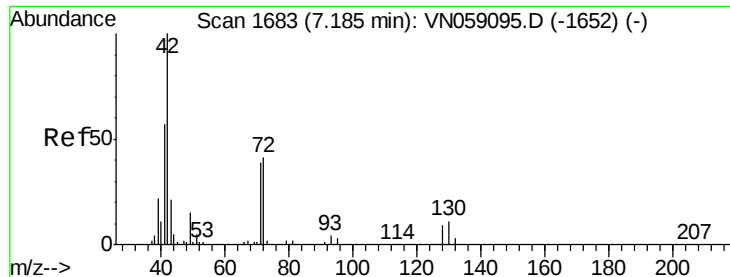
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

130 70.1 55.6 83.4

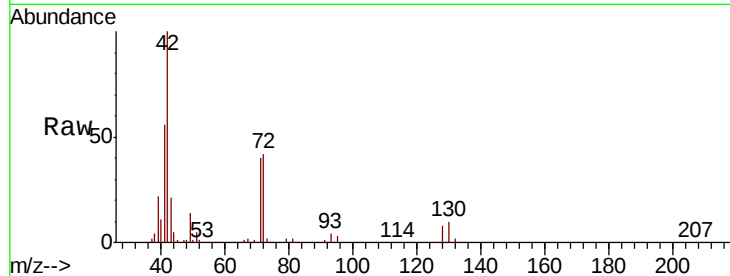




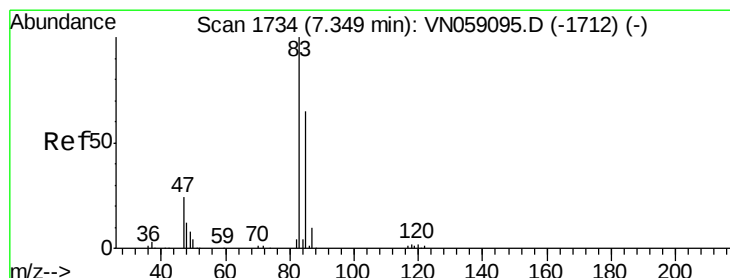
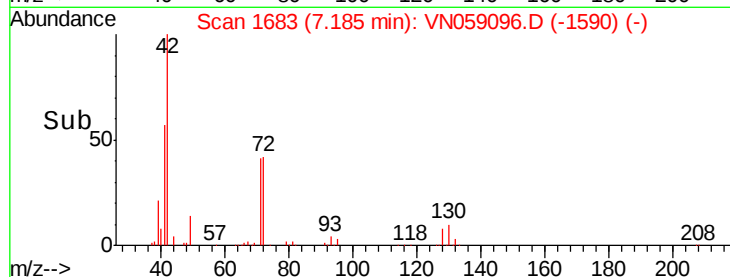
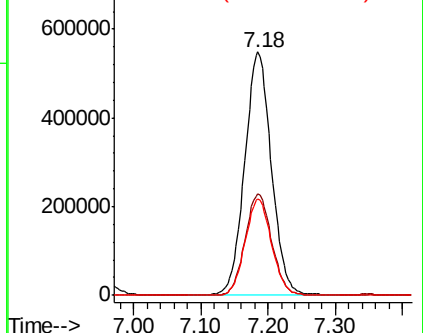
#29
Tetrahydrofuran
Concen: 489.610 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 1511820
Ion Ratio Lower Upper
42 100
72 41.4 33.1 49.7
71 39.3 30.9 46.3

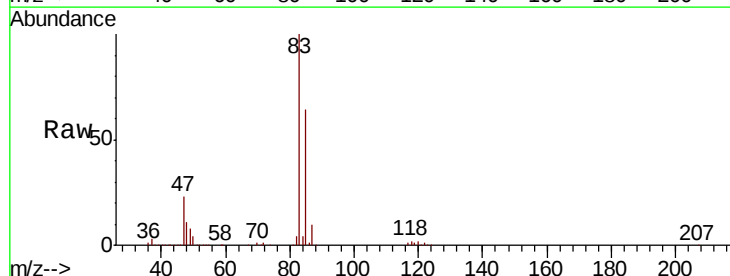


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

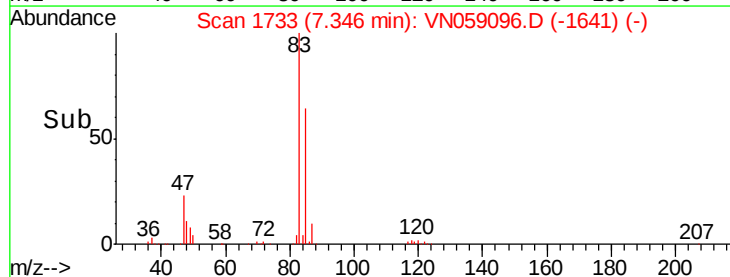
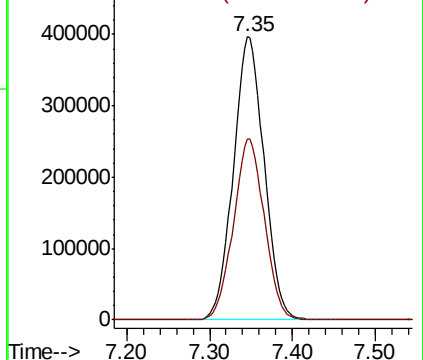


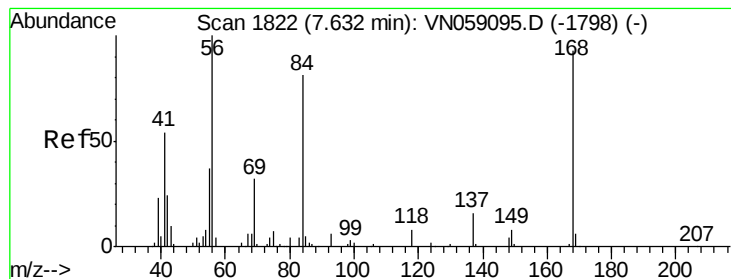
#30
Chloroform
Concen: 91.259 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 83 Resp: 1023398
Ion Ratio Lower Upper
83 100
85 63.8 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: 90.233 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

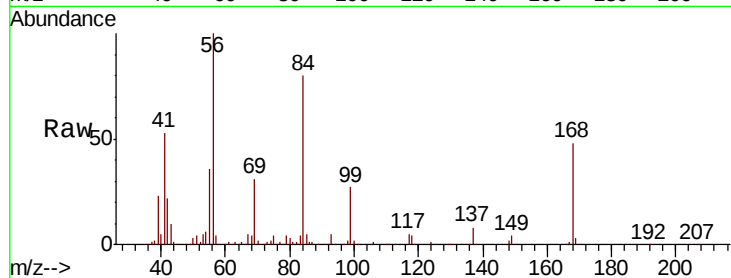
Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 1005544

Ion	Ratio	Lower	Upper
56	100		
69	30.7	25.8	38.8
84	79.1	65.0	97.4

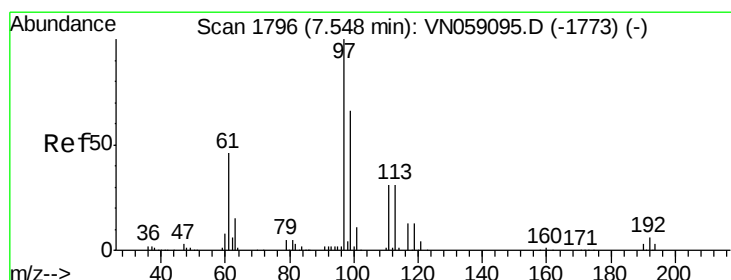
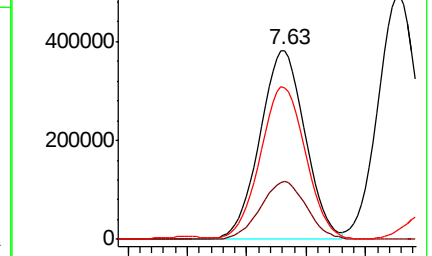
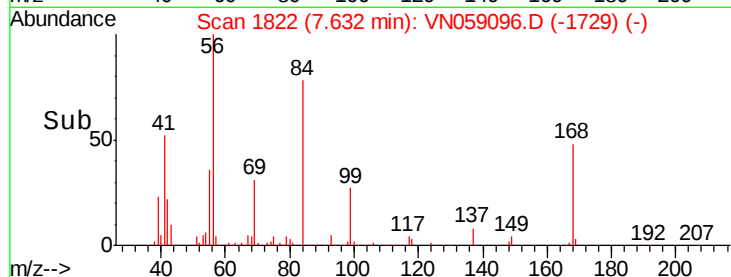


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 93.529 ug/l

RT: 7.55 min Scan# 1796

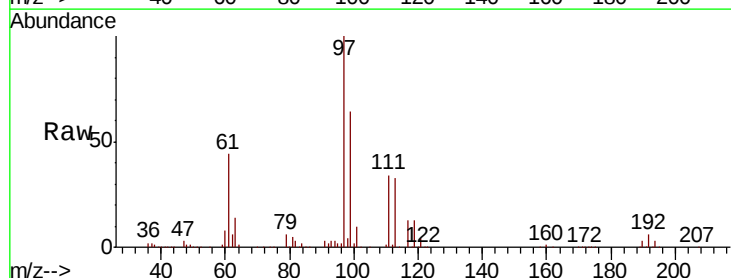
Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion: 97 Resp: 887200

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	44.7	35.8	53.8

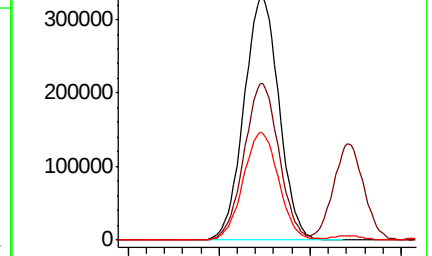
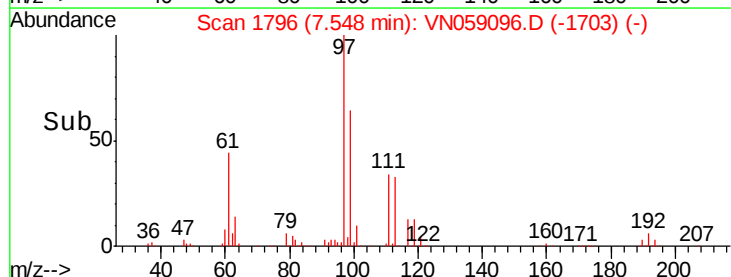


Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 93.255 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

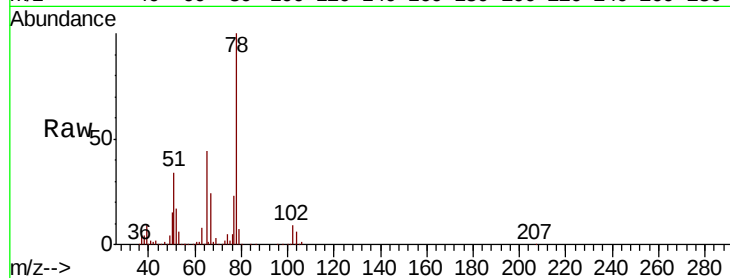
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 664380

Ion Ratio Lower Upper

65 100

67 54.1 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059096.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059096.D (-1845) (-)

8.00

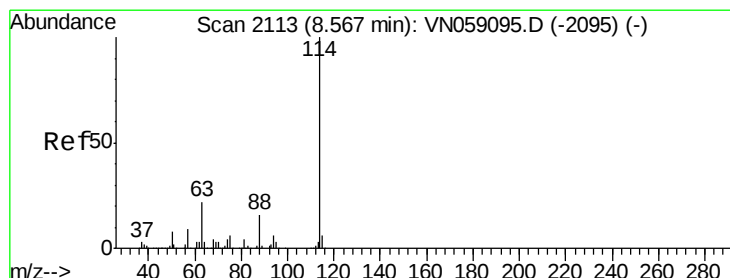
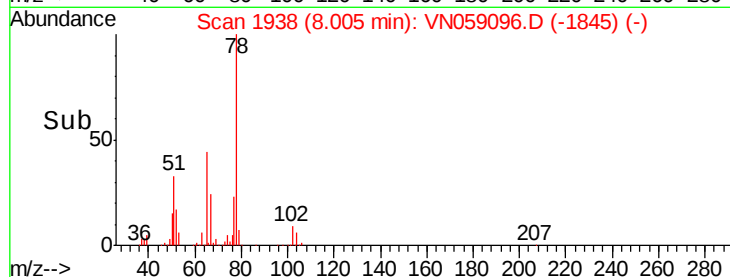
300000

200000

100000

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: VN059096.D

Acq: 6 Nov 2019 10:23

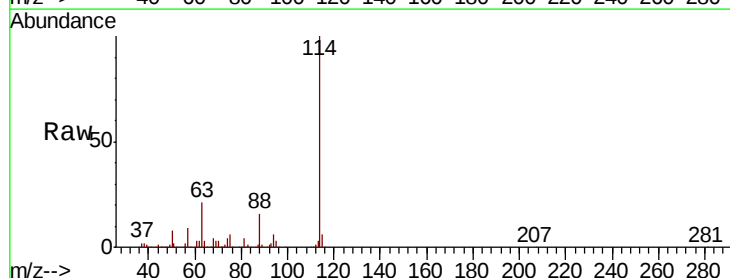
Tgt Ion: 114 Resp: 852726

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

88 16.5 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059096.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059096.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059096.D (-2020) (-)

8.57

500000

400000

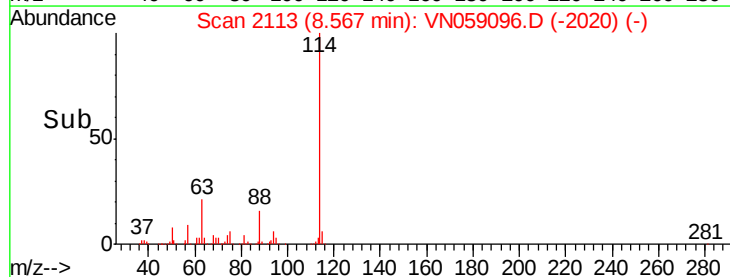
300000

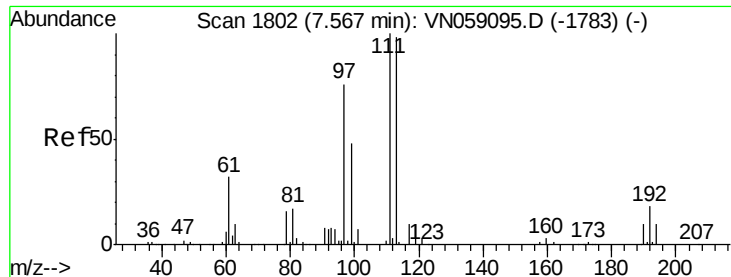
200000

100000

0

Time-->

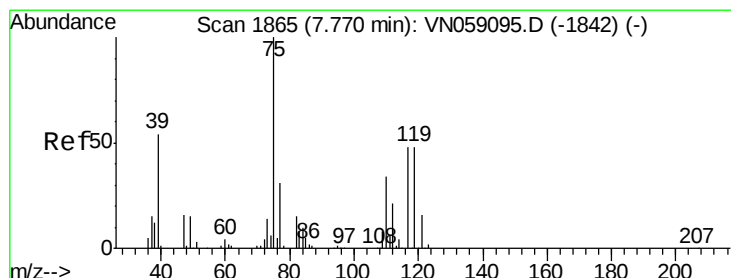
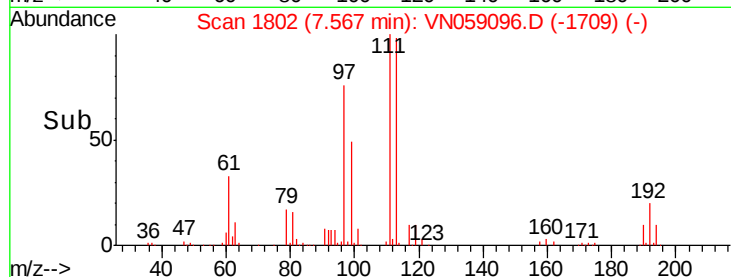
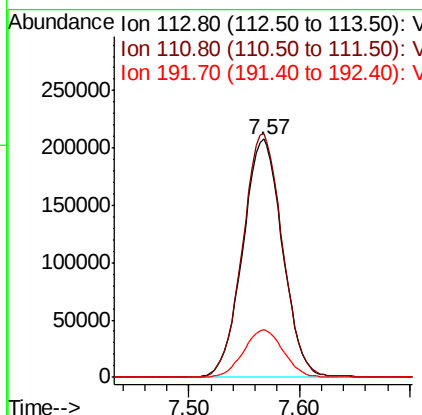
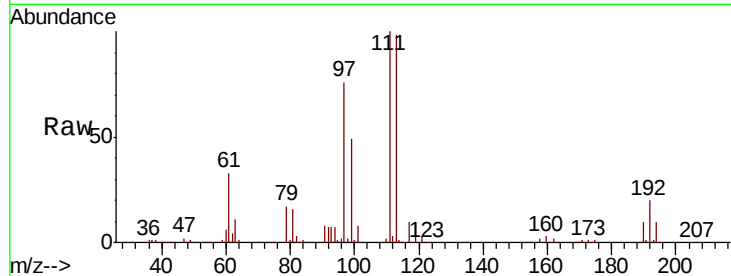




#35
 Dibromofluoromethane
 Concen: 96.194 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

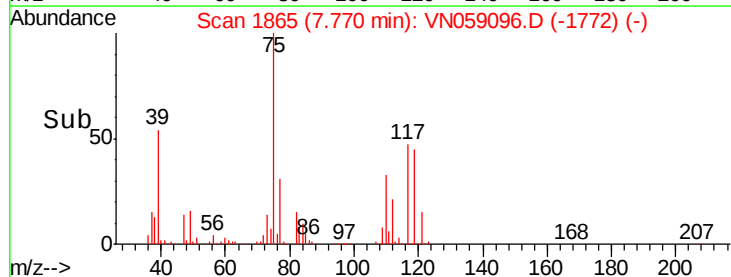
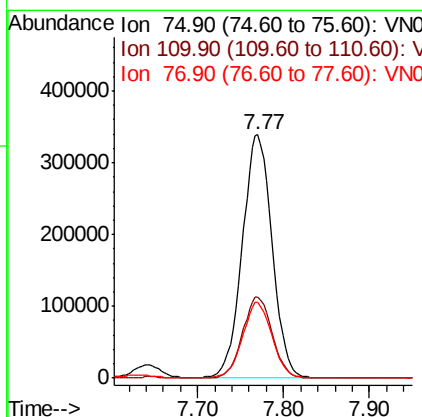
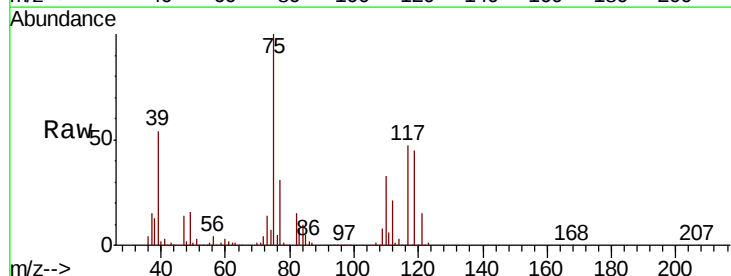
Instrument :
 MSVOA_N
 ClientSampled :

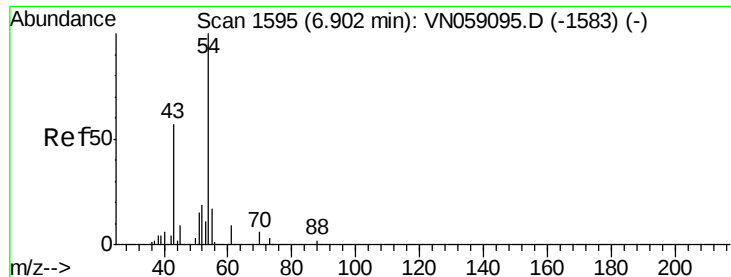
Tot Ion:113 Resp: 518495
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.8 124.2
 192 20.2 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 96.601 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 75 Resp: 814633
 Ion Ratio Lower Upper
 75 100
 110 33.2 17.1 51.2
 77 31.1 24.8 37.2

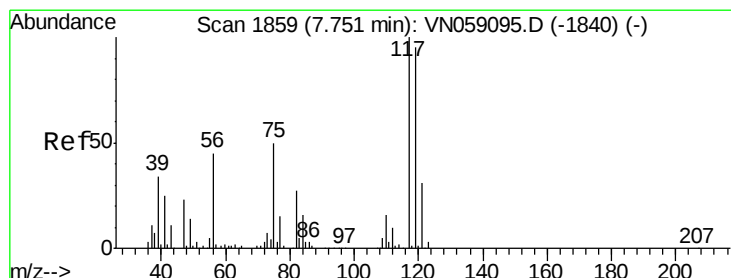
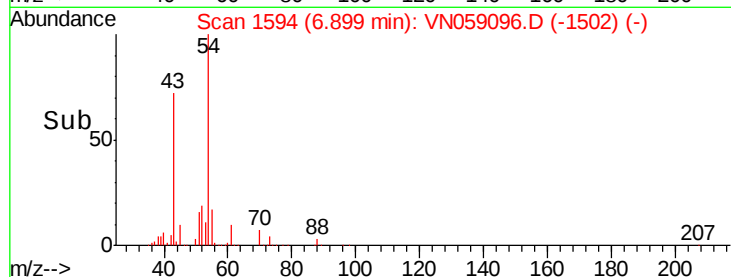
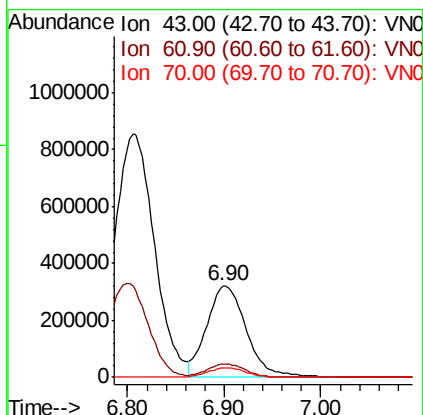
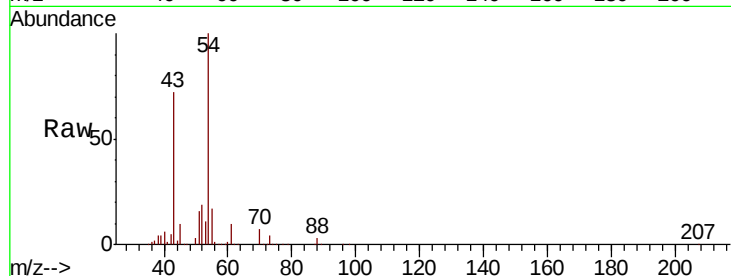




#37
Ethyl Acetate
Concen: 96.422 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

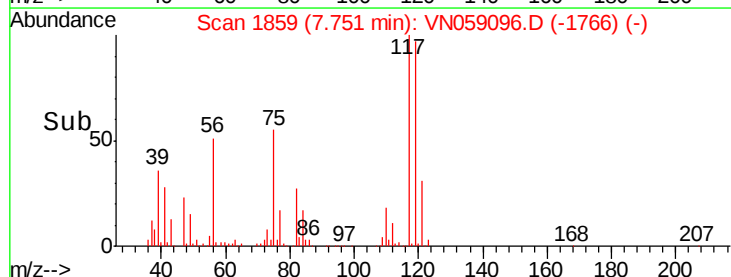
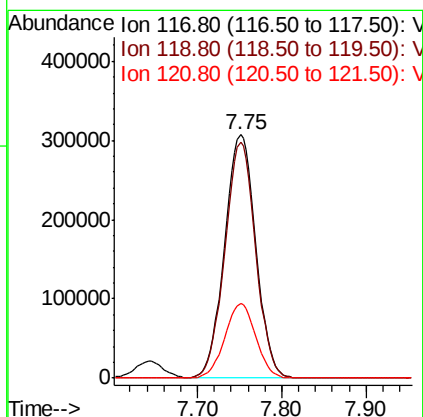
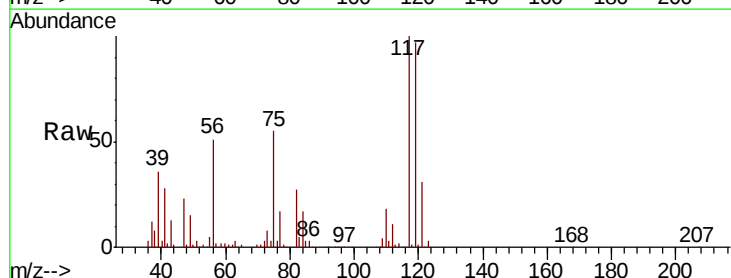
Instrument :
MSVOA_N
ClientSampled :

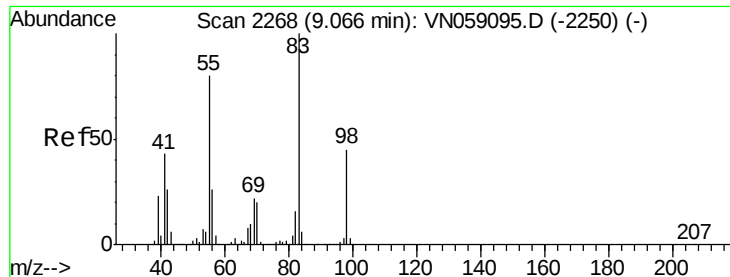
Tot Ion: 43 Resp: 904709
Ion Ratio Lower Upper
43 100
61 14.0 11.2 16.8
70 10.2 7.8 11.8



#38
Carbon Tetrachloride
Concen: 95.937 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 117 Resp: 789304
Ion Ratio Lower Upper
117 100
119 96.7 75.6 113.4
121 30.6 24.6 36.8

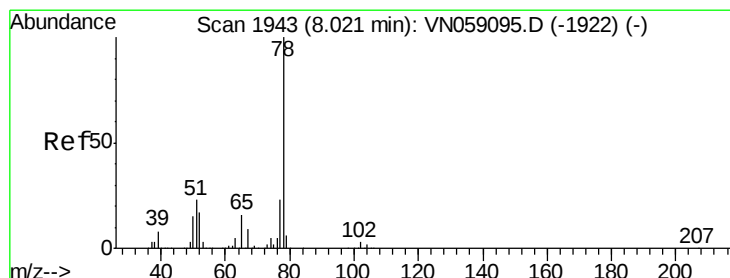
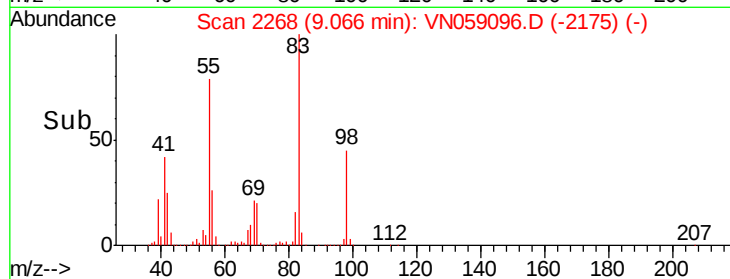
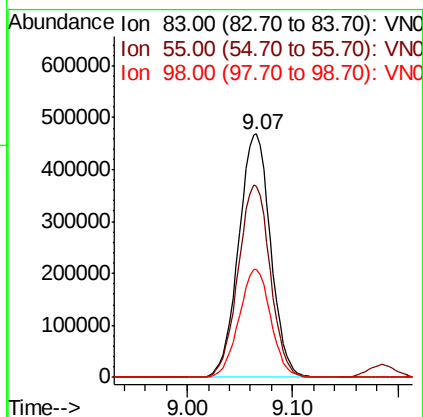
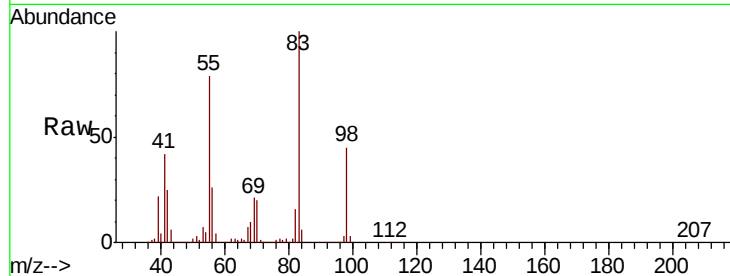




#39
Methvlcvclohexane
Concen: 101.354 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

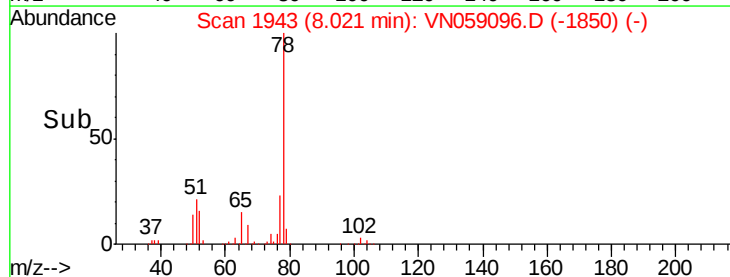
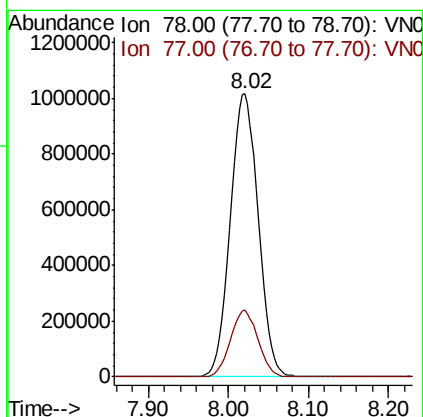
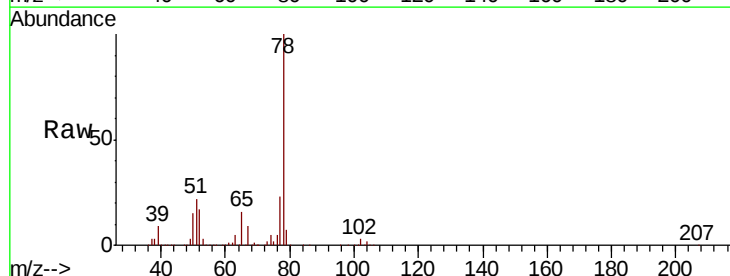
Instrument :
MSVOA_N
ClientSampled :

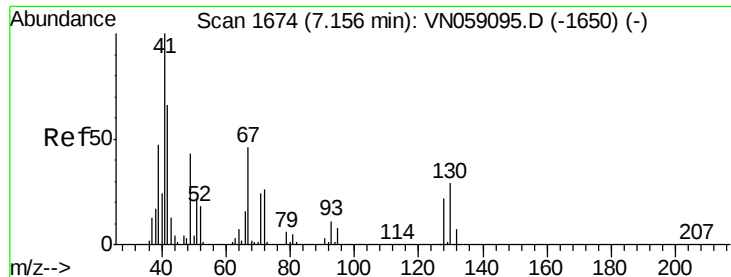
Tot Ion: 83 Resp: 985080
Ion Ratio Lower Upper
83 100
55 78.7 63.9 95.9
98 44.6 35.6 53.4



#40
Benzene
Concen: 95.536 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 78 Resp: 2397194
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



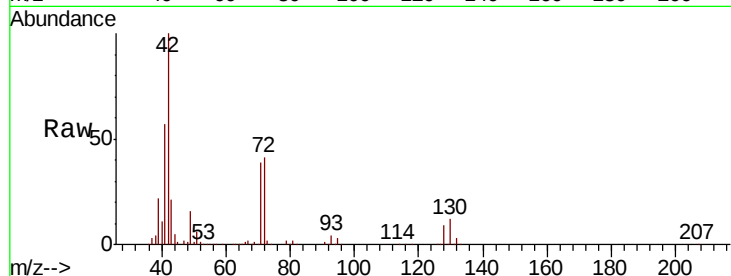


#41
Methacrylonitrile
Concen: 317.985 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

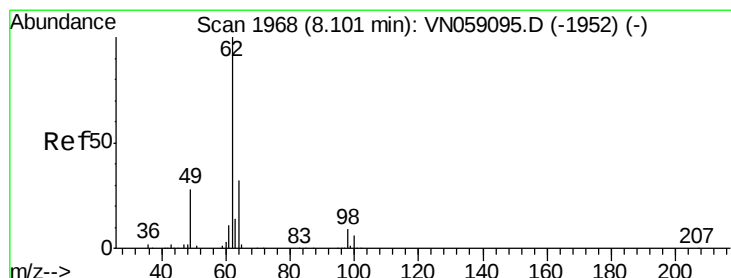
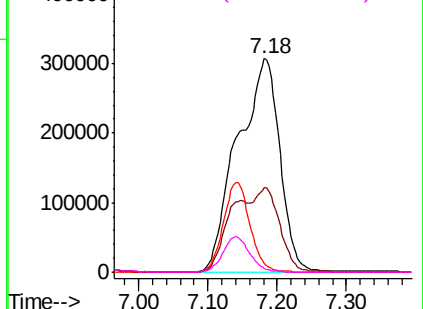
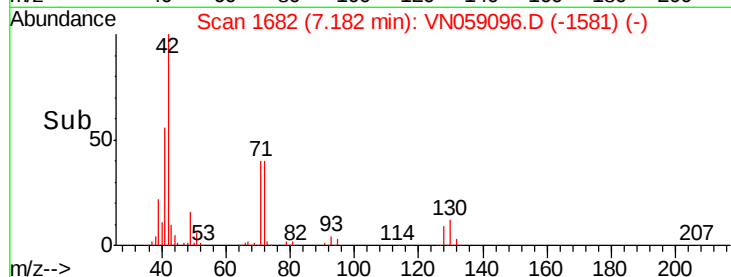
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 1296865

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



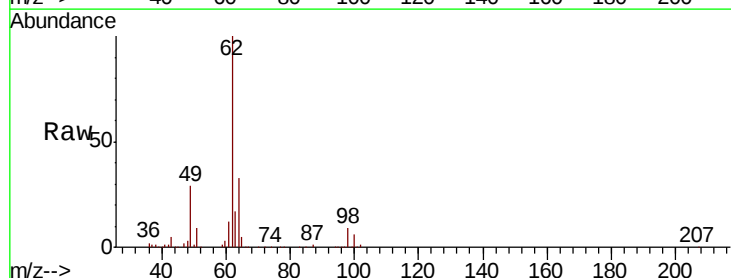
Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



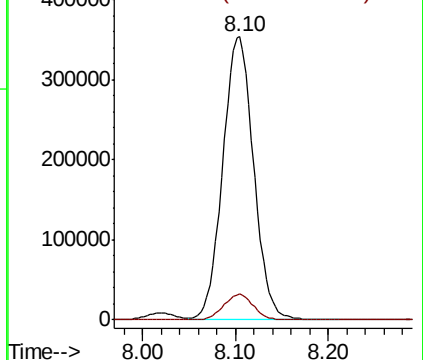
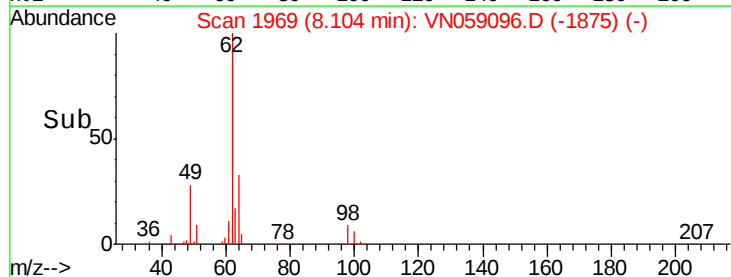
#42
1,2-Dichloroethane
Concen: 93.463 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

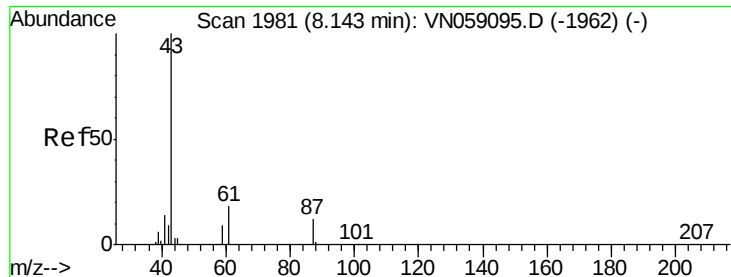
Tgt Ion: 62 Resp: 814956

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8



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



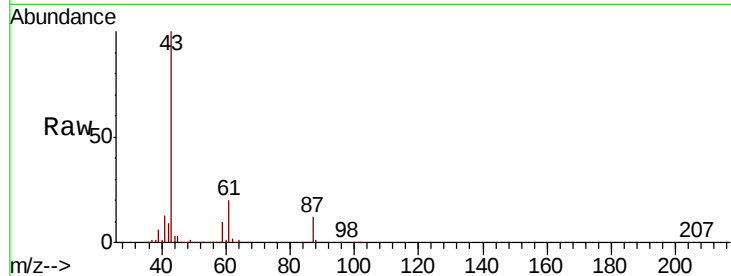


#43

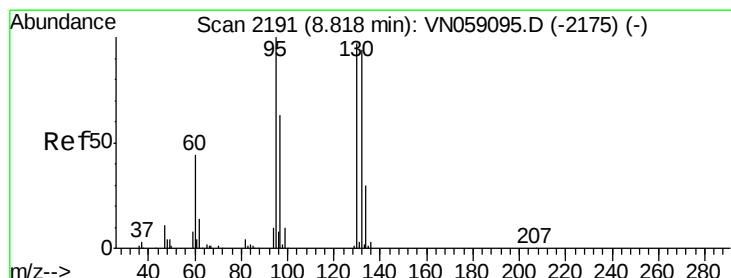
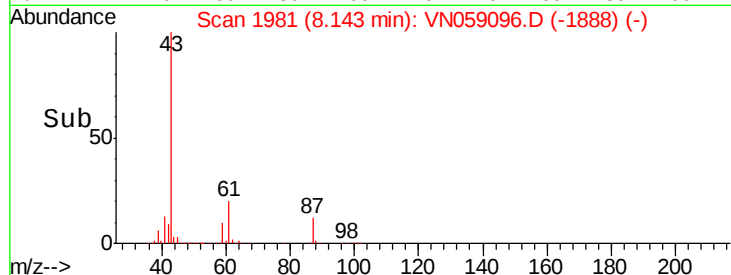
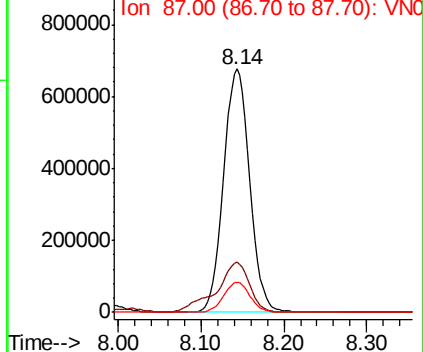
Isopropyl Acetate
 Concen: 100.660 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 1473724
 Ion Ratio Lower Upper
 43 100
 61 26.2 21.0 31.6
 87 12.4 9.8 14.6



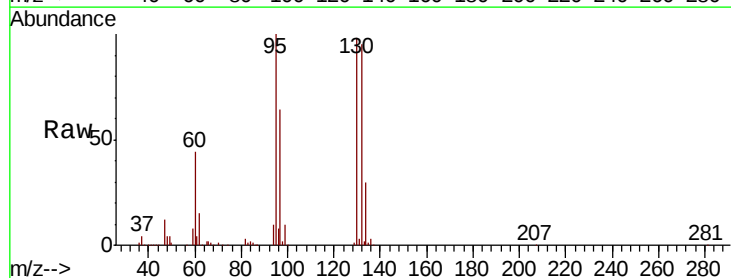
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



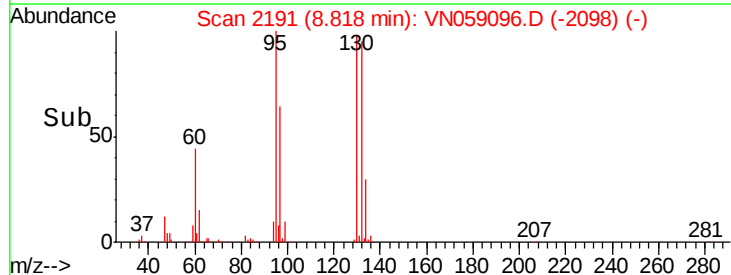
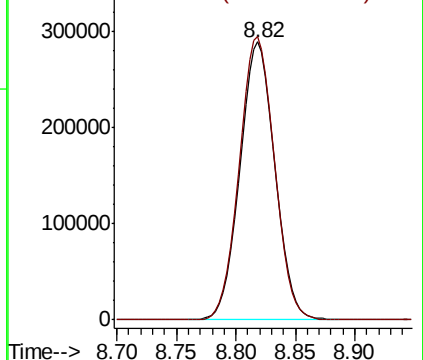
#44

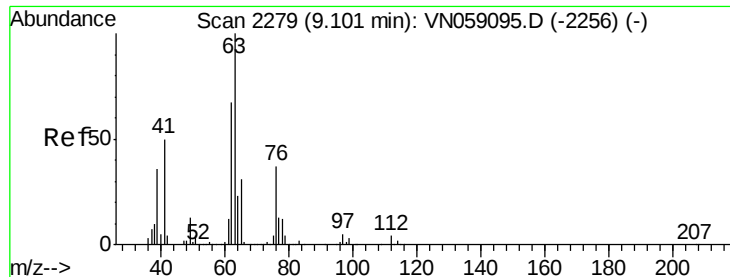
Trichloroethene
 Concen: 94.945 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion:130 Resp: 586833
 Ion Ratio Lower Upper
 130 100
 95 101.9 0.0 206.4



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





#45

1,2-Dichloropropane

Concen: 96.718 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

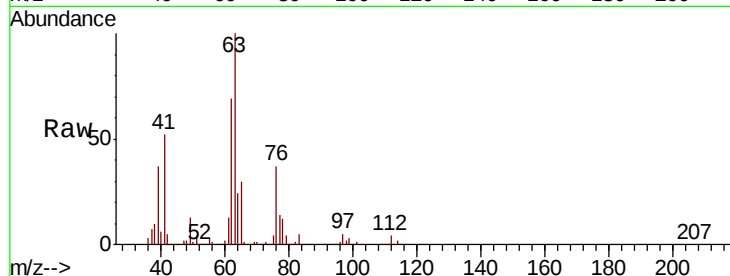
ClientSampleId :

Tot Ion: 63 Resp: 656984

Ion Ratio Lower Upper

63 100

65 30.3 24.6 37.0



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

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

9.10

300000

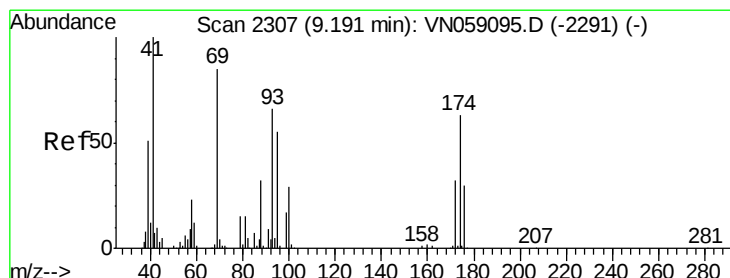
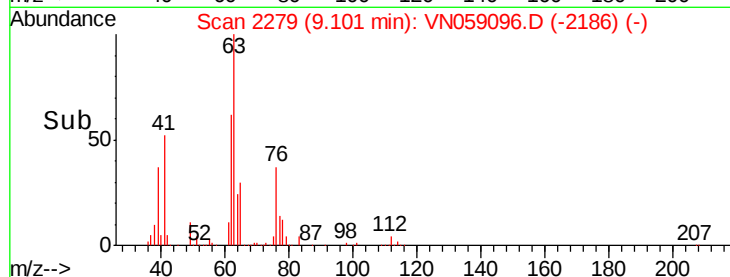
200000

100000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 94.885 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

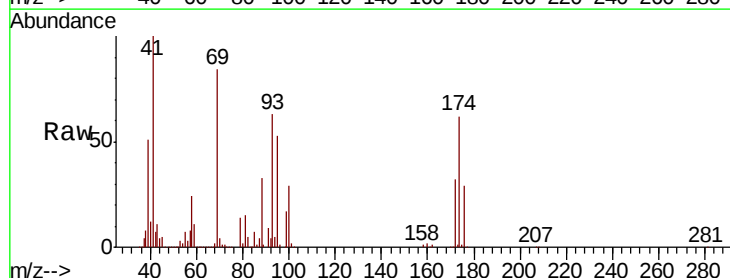
Tgt Ion: 93 Resp: 397853

Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

174 99.0 78.2 117.2



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

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

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

9.19

250000

200000

150000

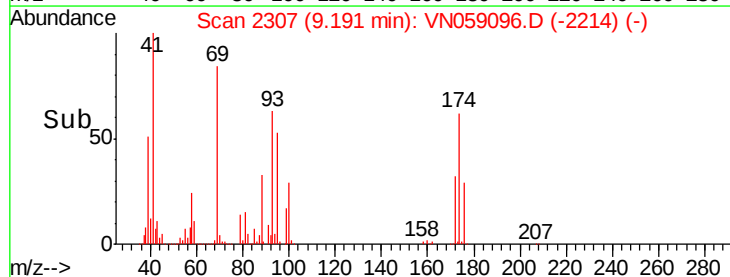
100000

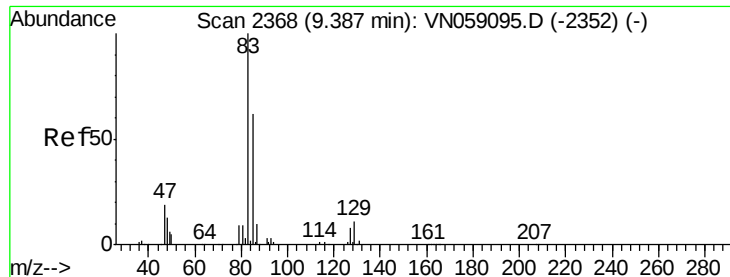
50000

0

Time-->

9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 97.281 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampled :

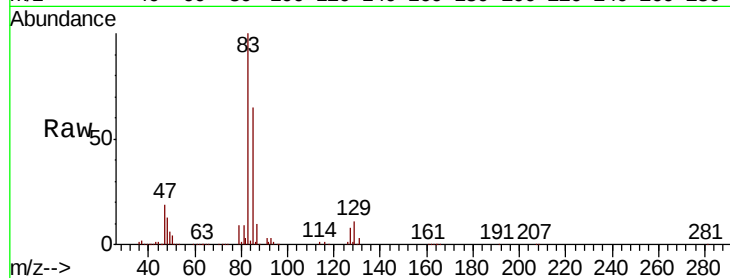
Tot Ion: 83 Resp: 827643

Ion Ratio Lower Upper

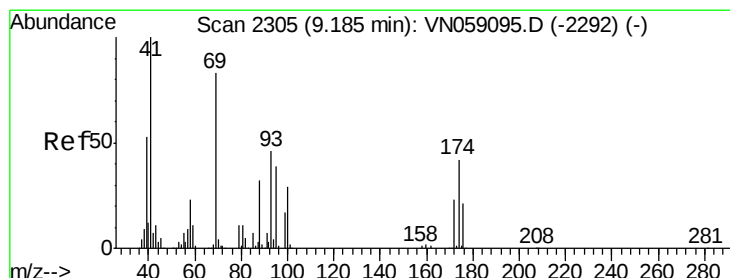
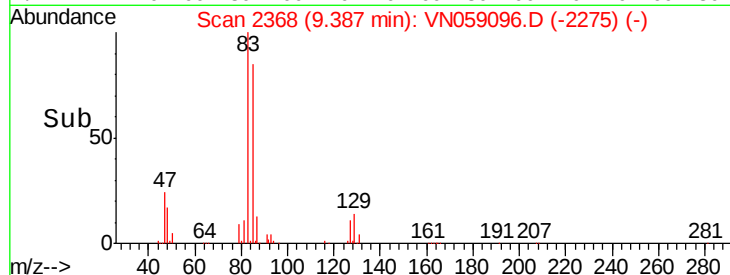
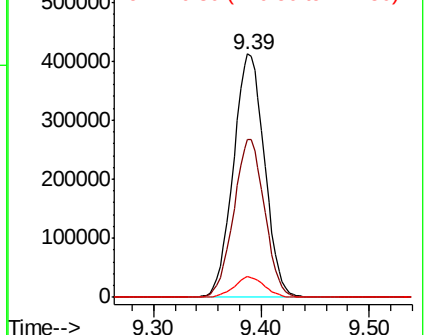
83 100

85 65.0 49.7 74.5

127 8.4 6.4 9.6



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



#48

Methyl methacrylate

Concen: 102.174 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

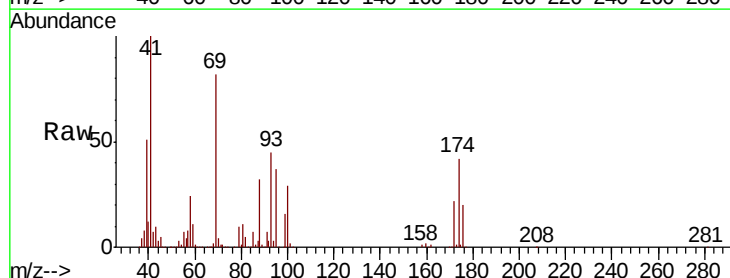
Tgt Ion: 41 Resp: 682443

Ion Ratio Lower Upper

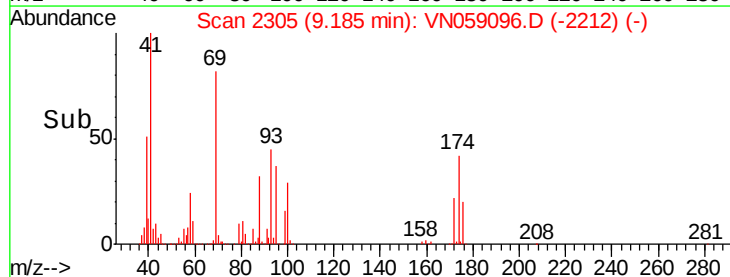
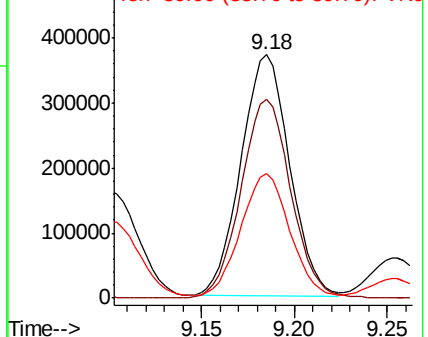
41 100

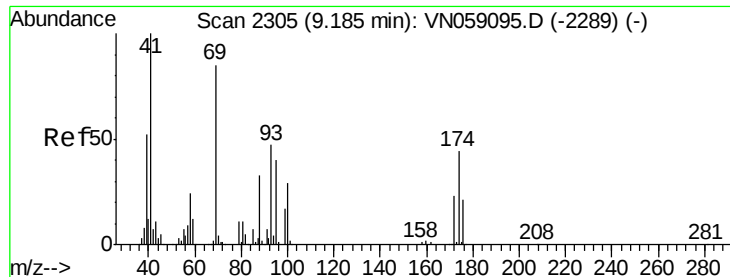
69 84.5 67.3 100.9

39 52.0 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

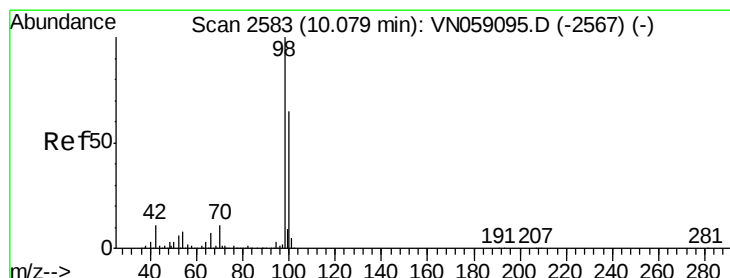
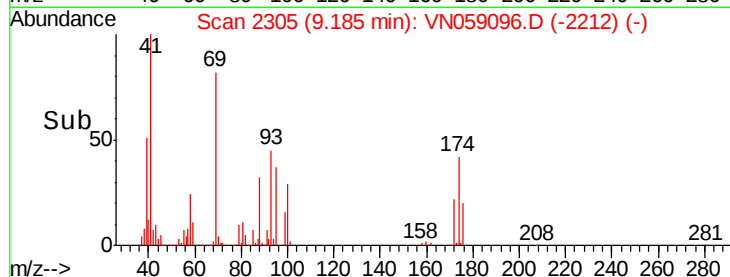
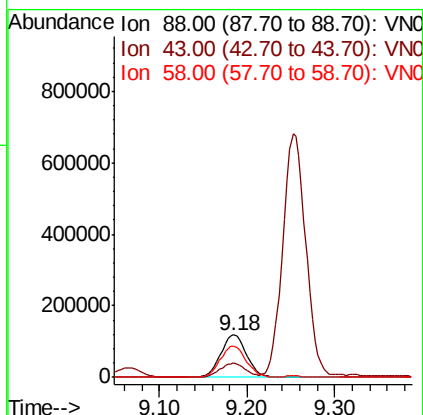
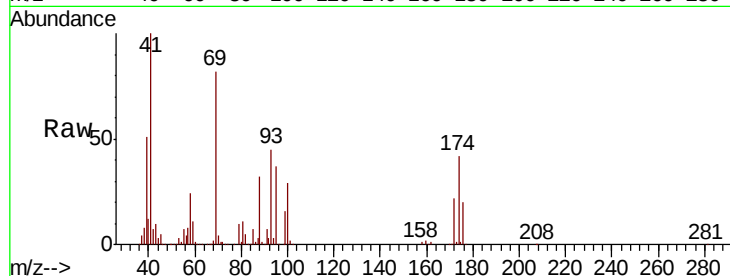




#49
1,4-Dioxane
Concen: 2278.546 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

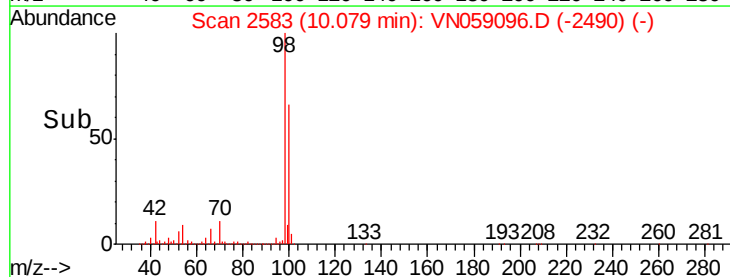
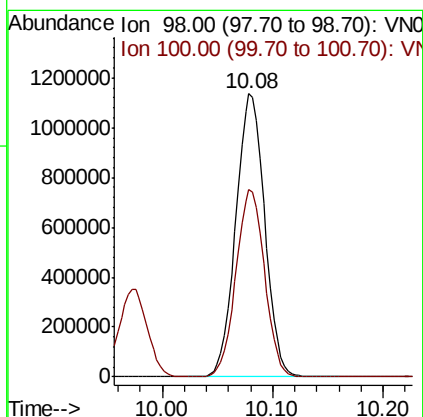
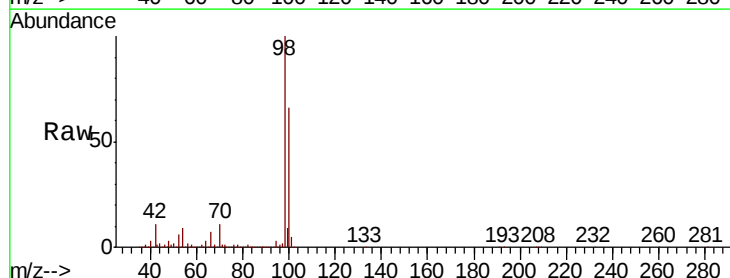
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 246626
Ion Ratio Lower Upper
88 100
43 32.1 26.3 39.5
58 73.4 60.6 90.8



#50
Toluene-d8
Concen: 98.358 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 98 Resp: 2058982
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.2

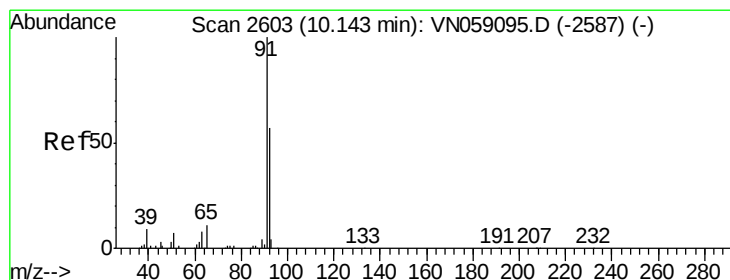
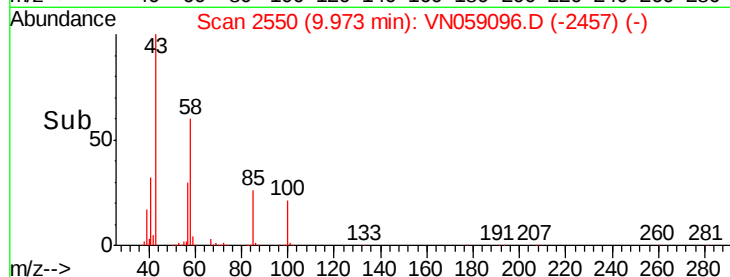
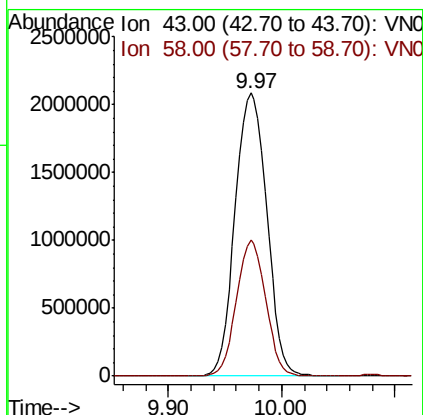
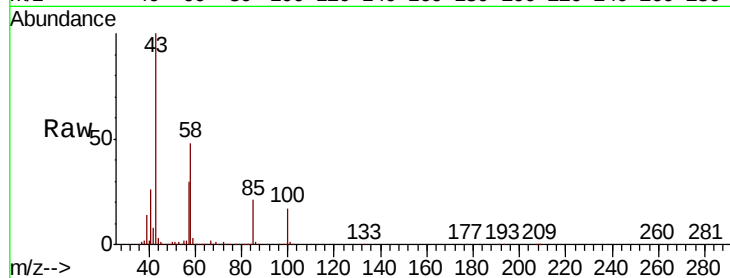




#51
 4-Methyl-2-Pentanone
 Concen: 478.956 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

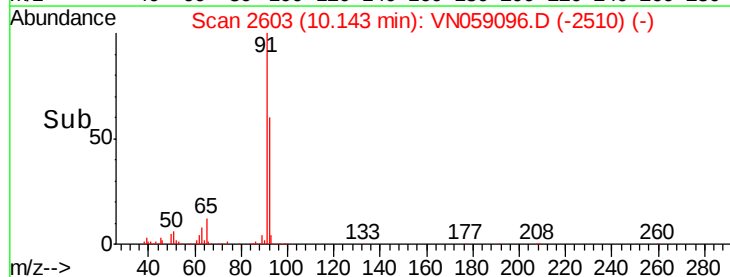
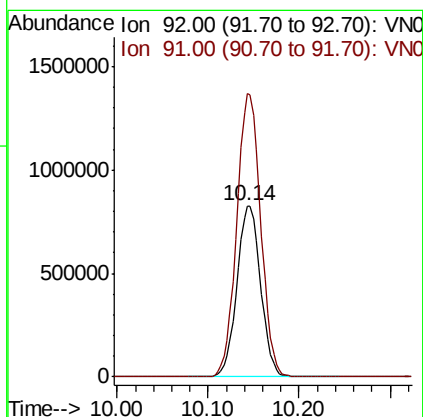
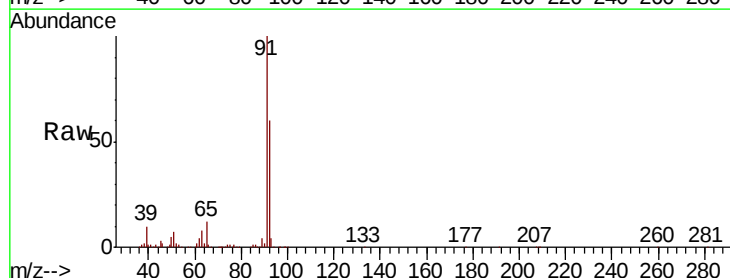
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 4085323
 Ion Ratio Lower Upper
 43 100
 58 44.3 31.5 47.3



#52
 Toluene
 Concen: 101.175 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 92 Resp: 1484987
 Ion Ratio Lower Upper
 92 100
 91 168.2 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 99.770 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

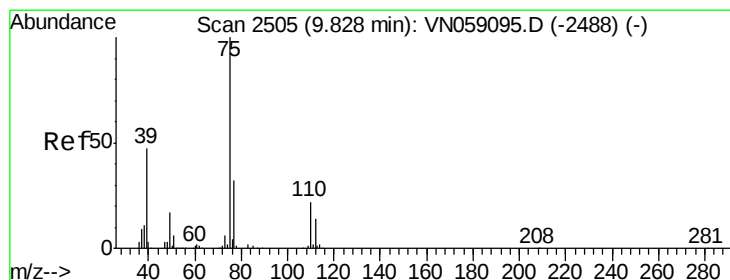
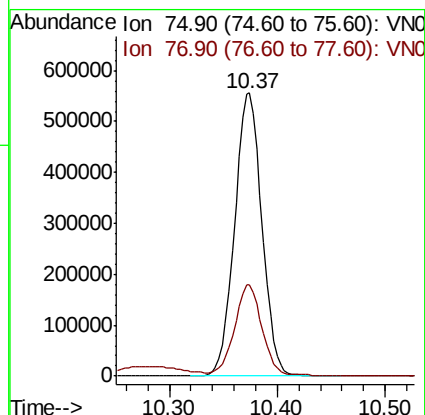
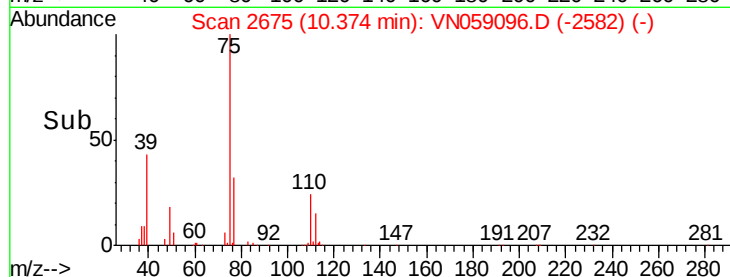
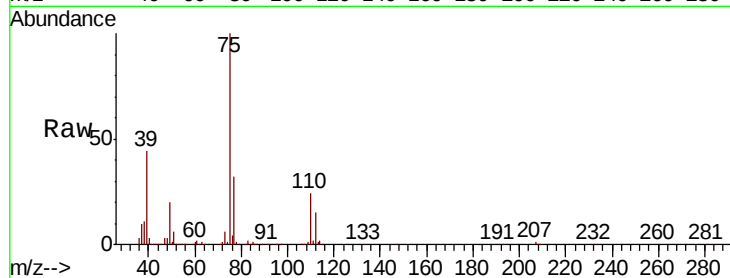
ClientSampled :

Tot Ion: 75 Resp: 978781

Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 101.790 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

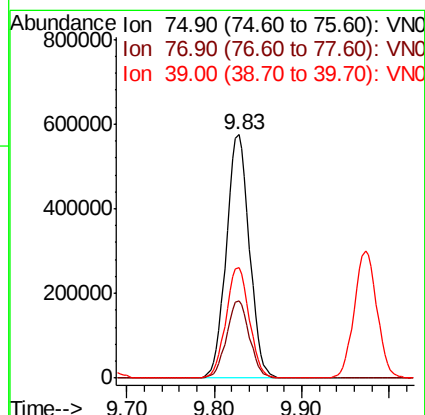
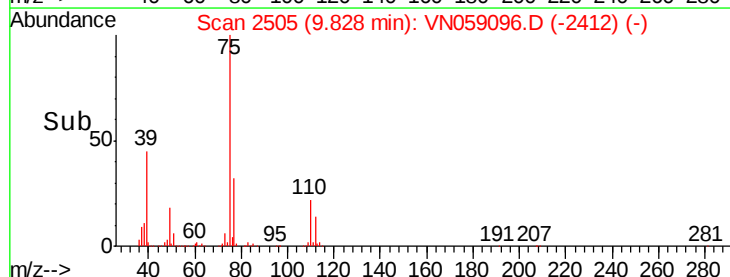
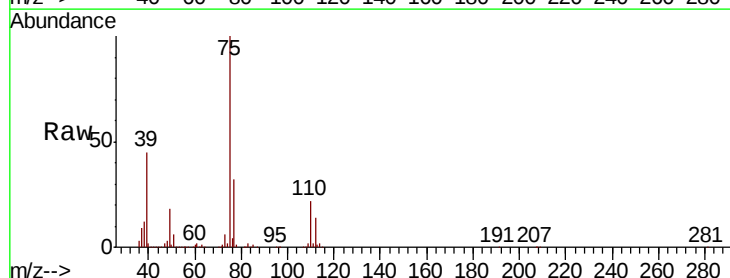
Tgt Ion: 75 Resp: 1052301

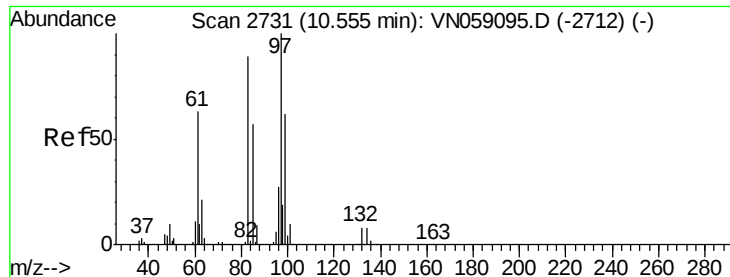
Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

39 45.3 37.3 55.9

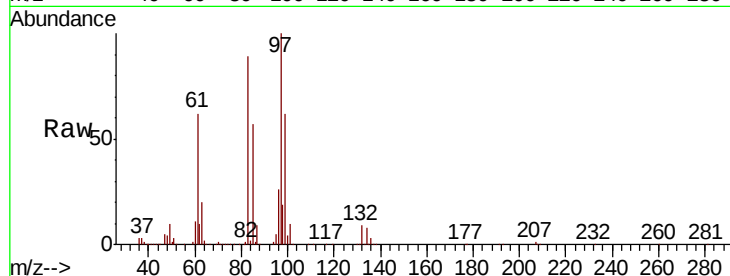




#55
 1,1,2-Trichloroethane
 Concen: 95.941 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	56.9	45.8	68.8
99	61.8	49.4	74.0



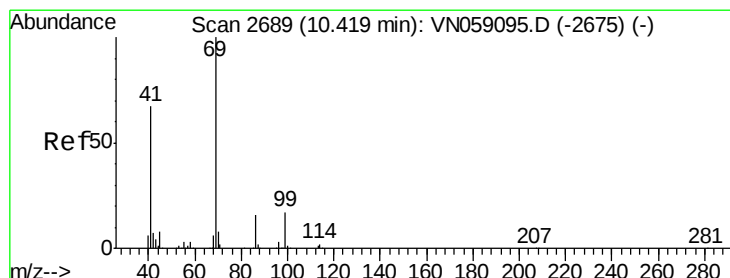
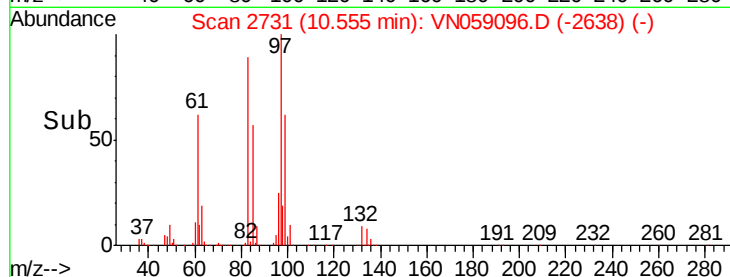
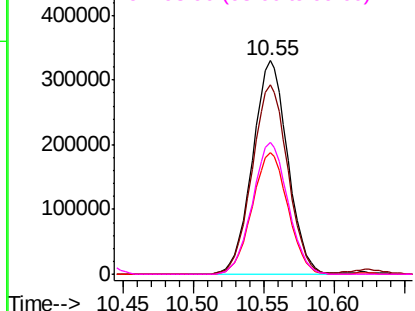
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

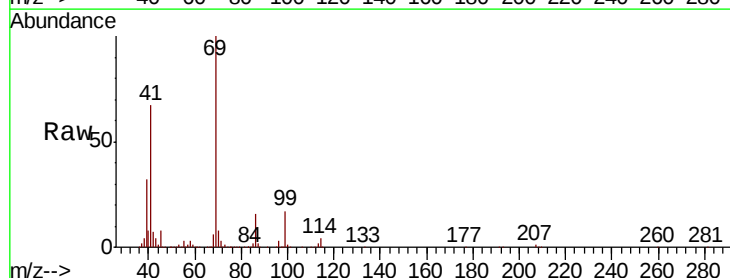
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 110.912 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.7	53.6	80.4
39	32.0	26.2	39.4

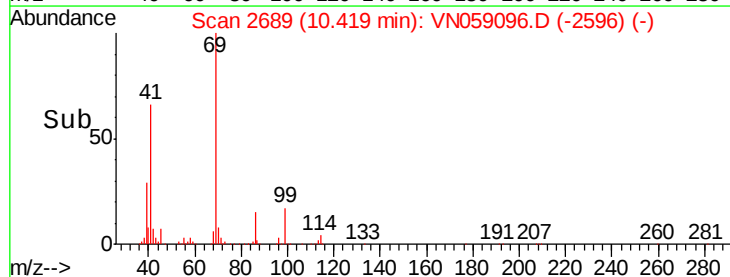
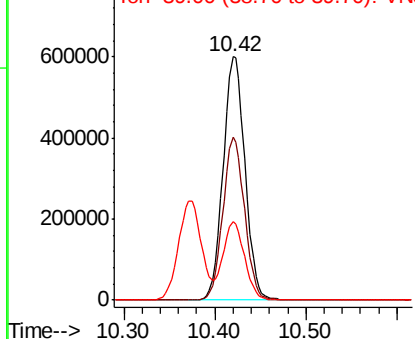


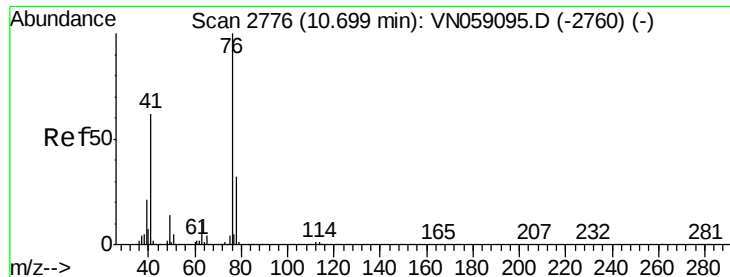
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

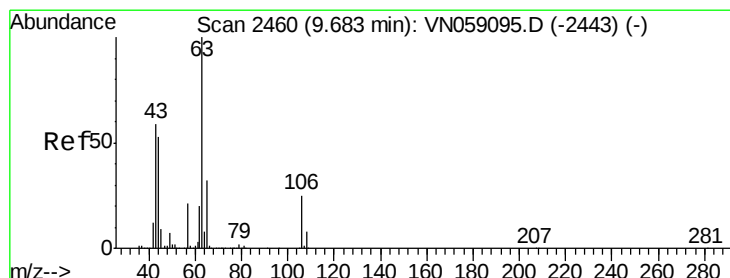
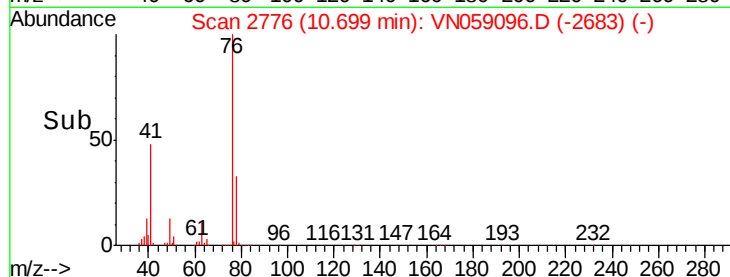
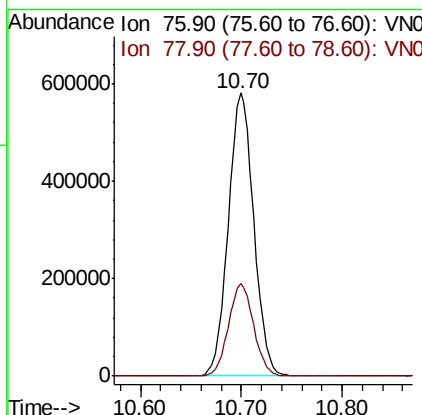
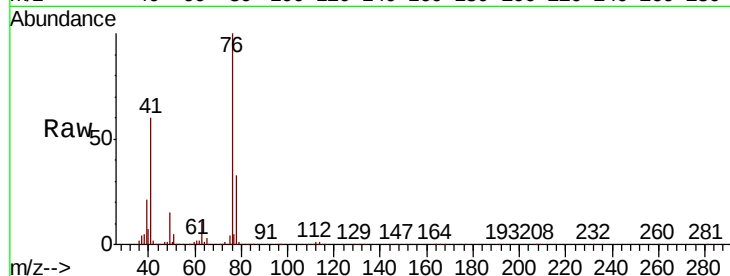




#57
 1,3-Dichloropropane
 Concen: 98.067 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

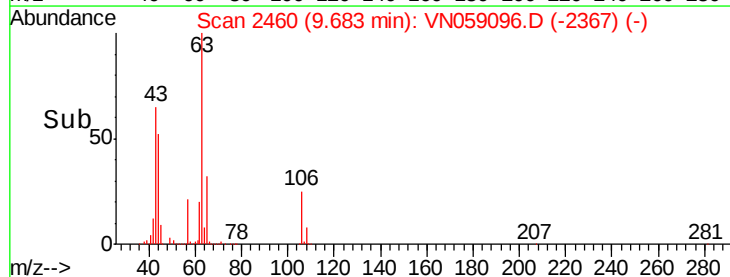
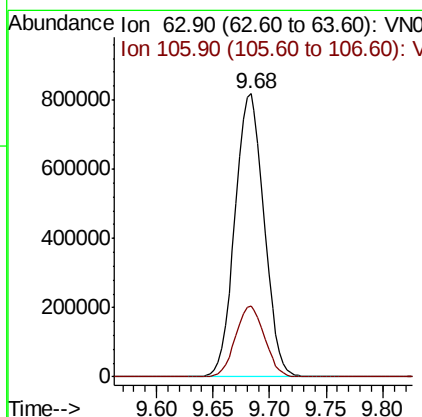
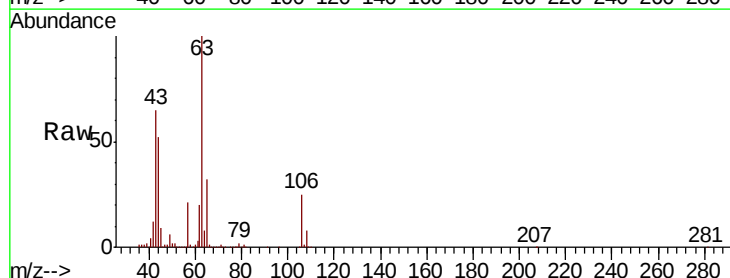
Instrument :
 MSVOA_N
 ClientSampleId :

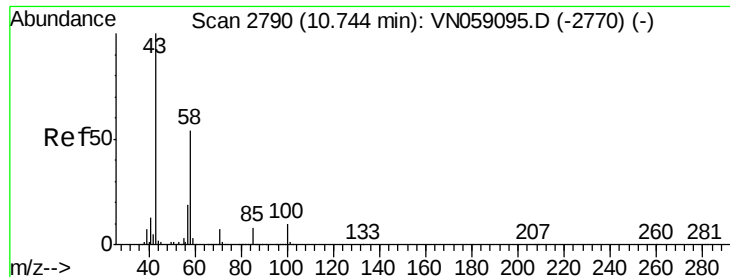
Tot Ion: 76 Resp: 1021956
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 410.468 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 63 Resp: 1469781
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.2 30.2

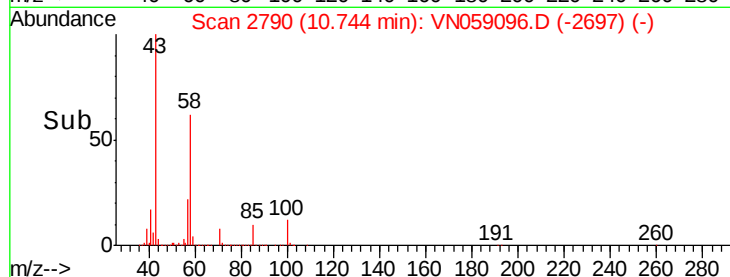
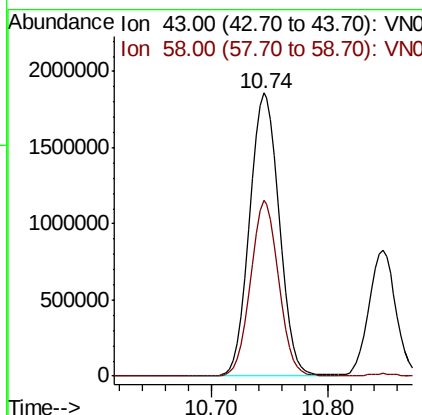
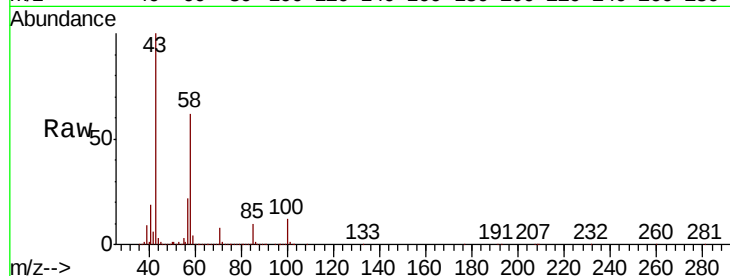




#59
2-Hexanone
Concen: 512.977 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

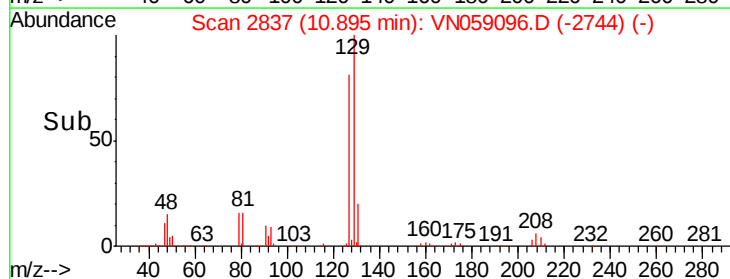
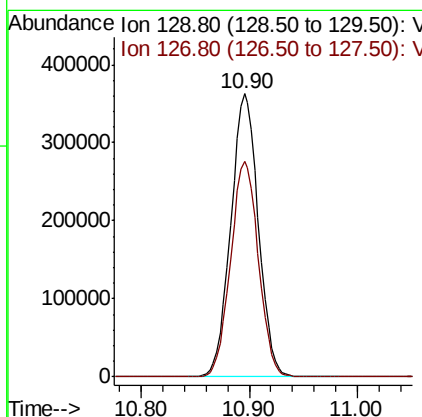
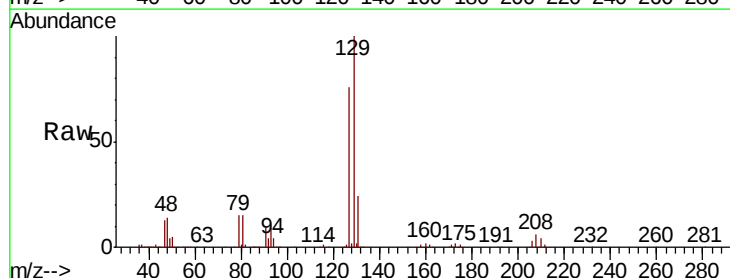
Instrument :
MSVOA_N
ClientSampled :

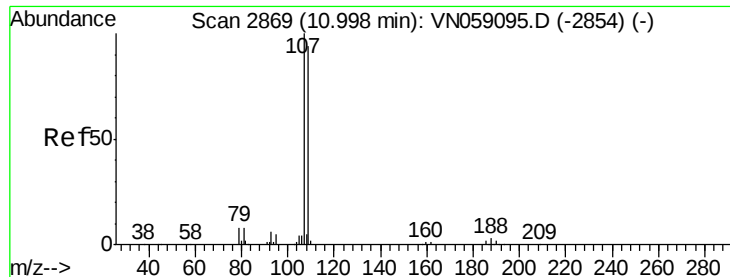
Tot Ion: 43 Resp: 3323991
Ion Ratio Lower Upper
43 100
58 58.8 27.3 81.8



#60
Dibromochloromethane
Concen: 100.129 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 129 Resp: 645234
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8

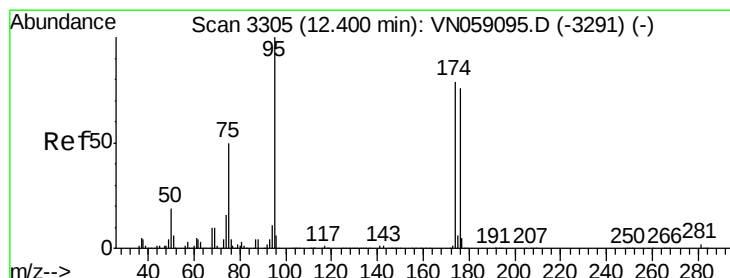
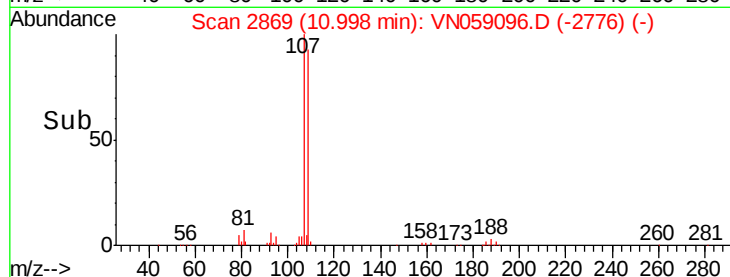
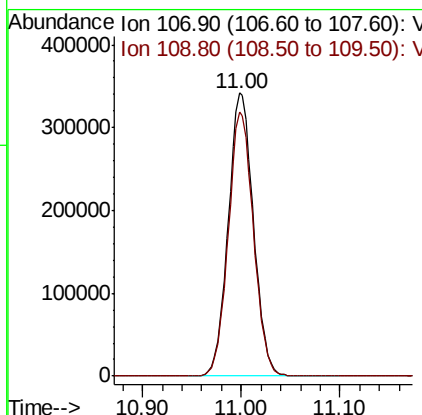
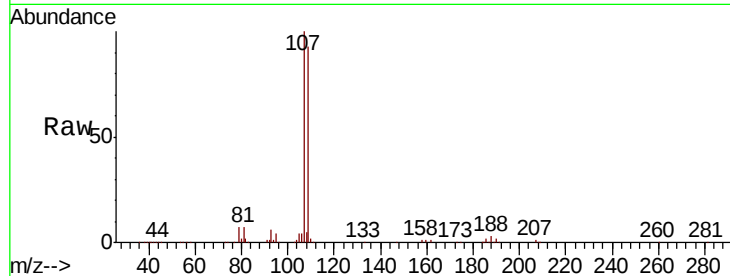




#61
 1,2-Dibromoethane
 Concen: 100.620 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

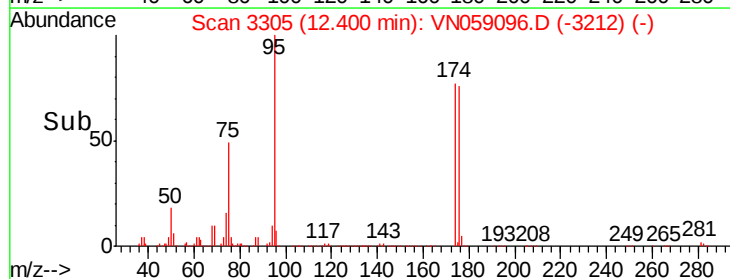
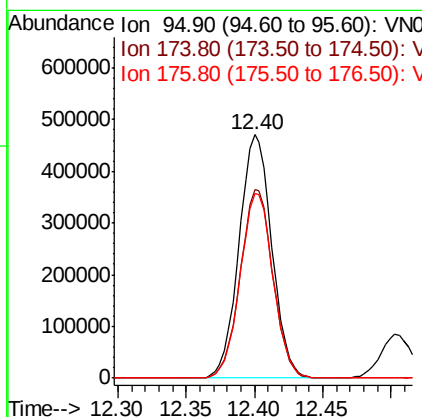
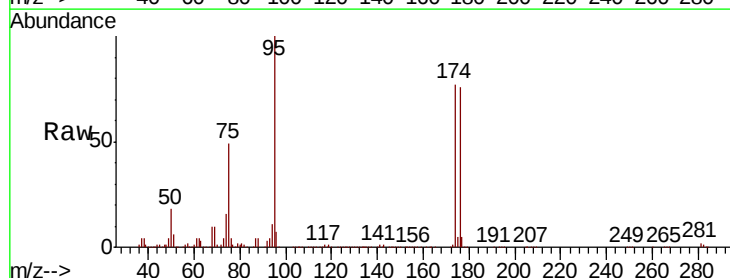
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 609683
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 104.306 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 95 Resp: 782198
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 158.2
 176 76.2 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

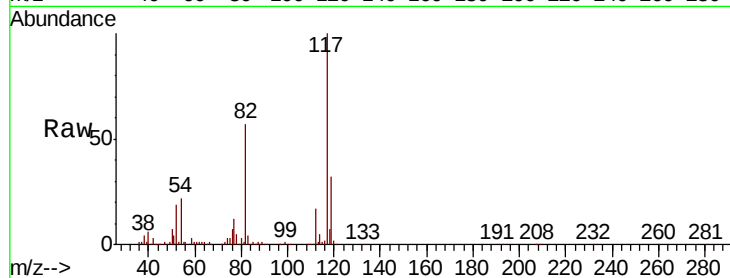
Tot Ion:117 Resp: 790073

Ion Ratio Lower Upper

117 100

82 56.9 45.8 68.8

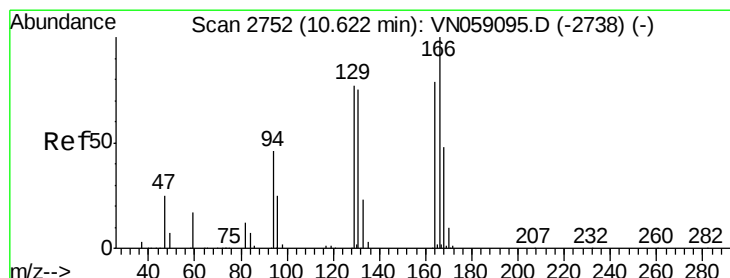
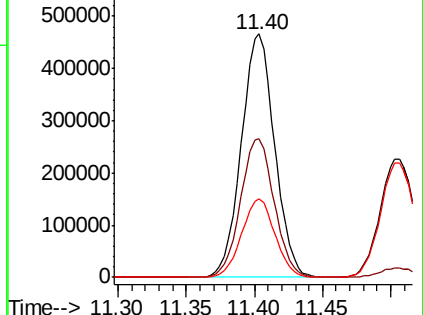
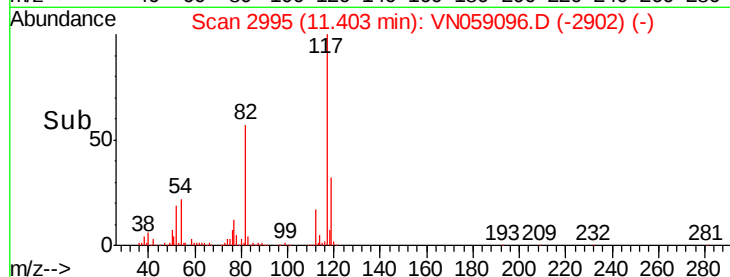
119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 94.147 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion:164 Resp: 519262

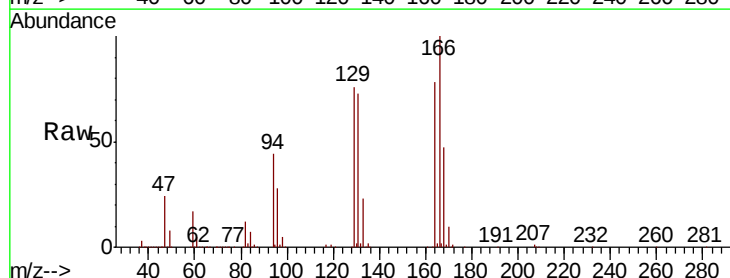
Ion Ratio Lower Upper

164 100

166 128.1 101.5 152.3

129 97.4 78.3 117.5

131 93.4 75.9 113.9

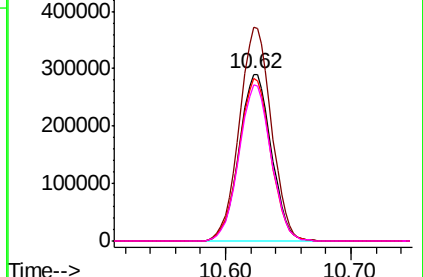
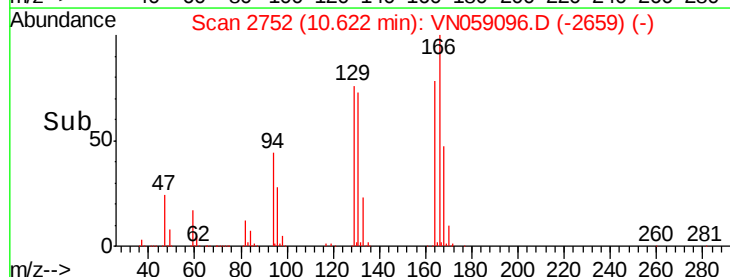


Abundance Ion 163.80 (163.50 to 164.50): V

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: 95.526 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

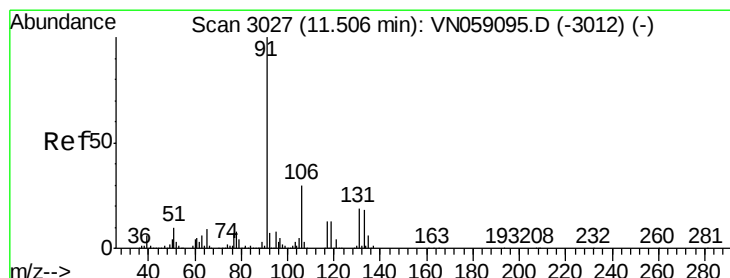
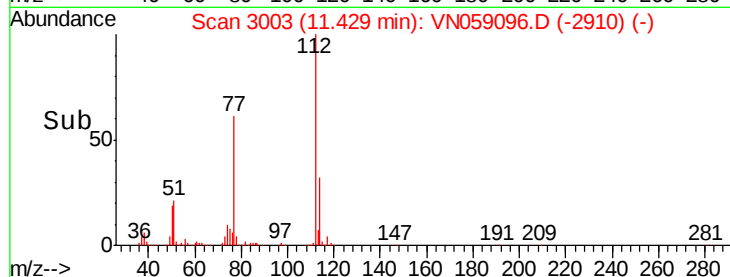
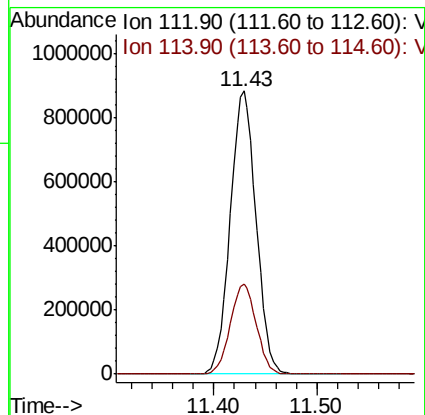
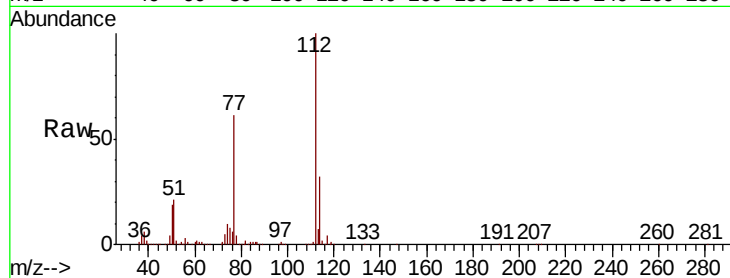
ClientSampleId :

Tot Ion:112 Resp: 1543461

Ion Ratio Lower Upper

112 100

114 31.9 25.2 37.8



#66

1,1,1,2-Tetrachloroethane

Concen: 96.762 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

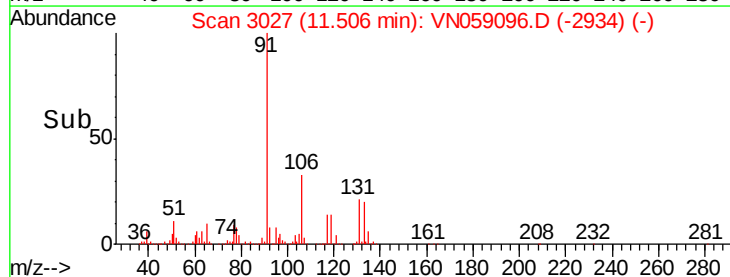
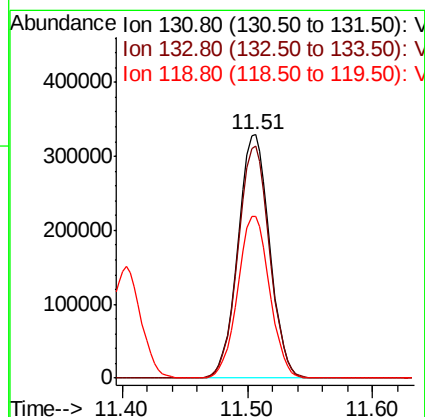
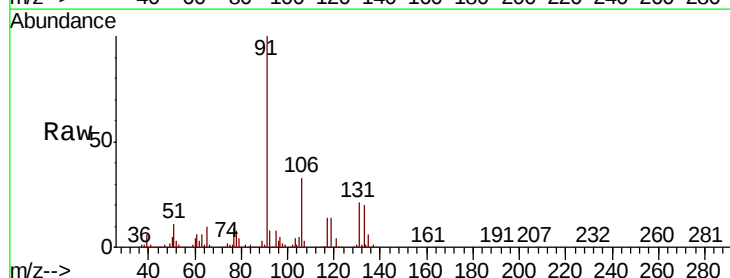
Tgt Ion:131 Resp: 576084

Ion Ratio Lower Upper

131 100

133 95.4 47.4 142.3

119 67.1 33.2 99.6





#67

Ethyl Benzene

Concen: 98.429 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

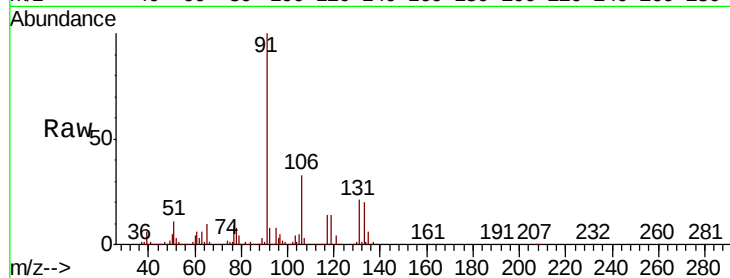
ClientSampled :

Tot Ion: 91 Resp: 2752093

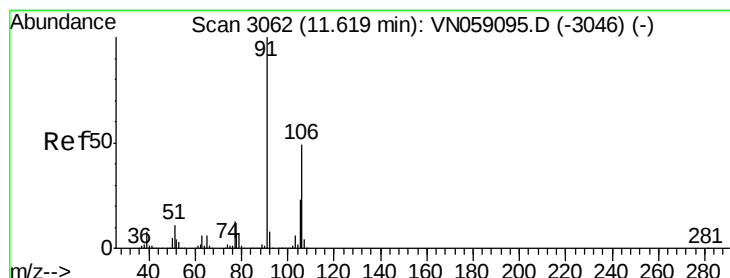
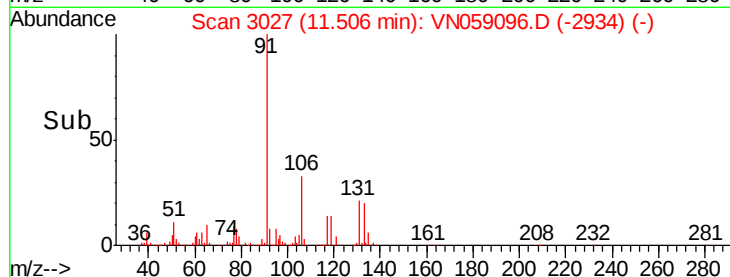
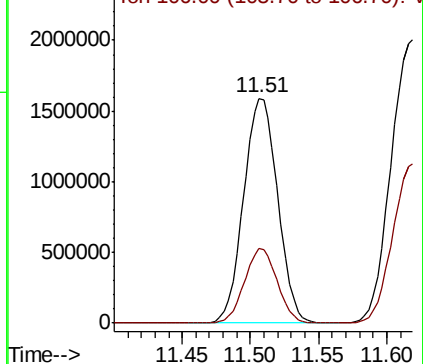
Ion Ratio Lower Upper

91 100

106 33.0 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3012) (-)



#68

m/p-Xylenes

Concen: 204.174 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059096.D

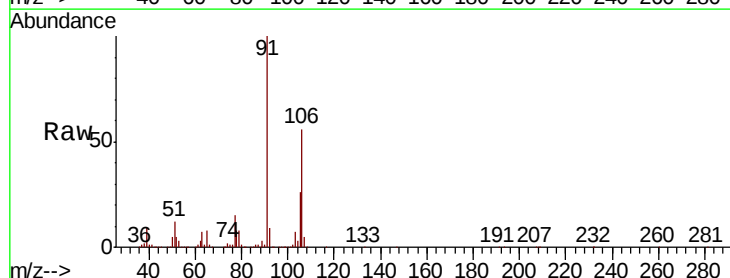
Acq: 6 Nov 2019 10:23

Tgt Ion: 106 Resp: 2134812

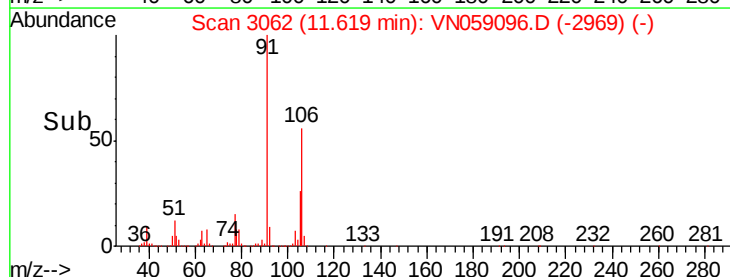
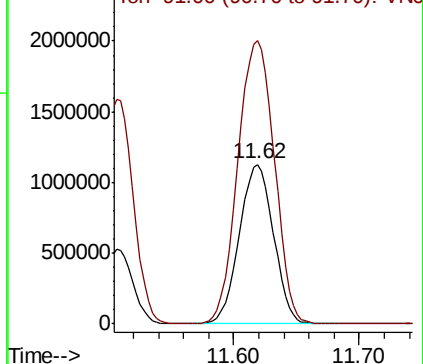
Ion Ratio Lower Upper

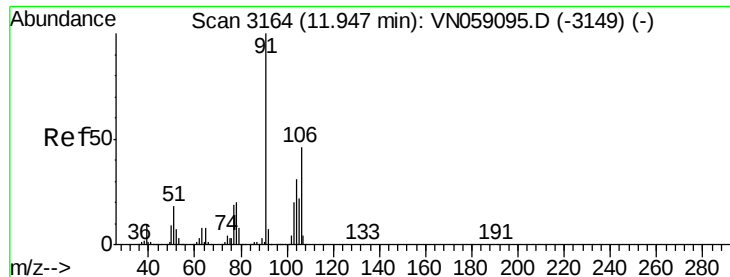
106 100

91 190.1 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059095.D (-3046) (-)

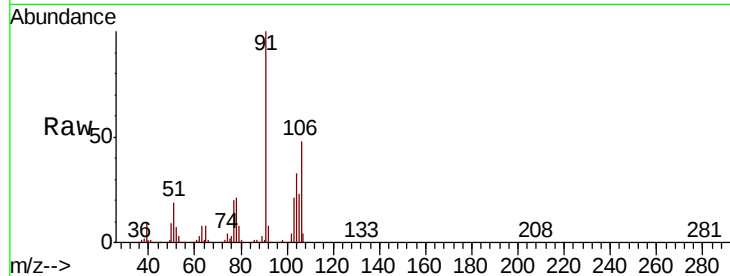




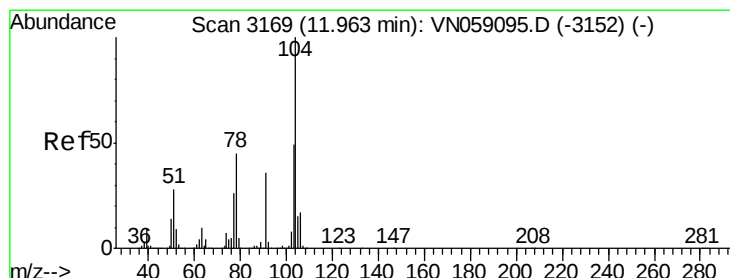
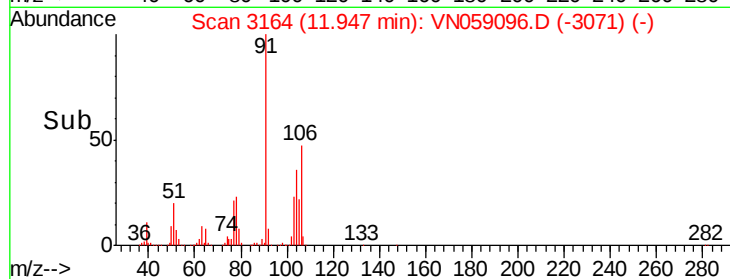
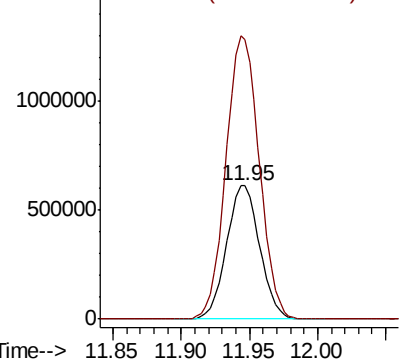
#69
o-Xylene
Concen: 103.174 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 1029312
Ion Ratio Lower Upper
106 100
91 213.8 110.1 330.3

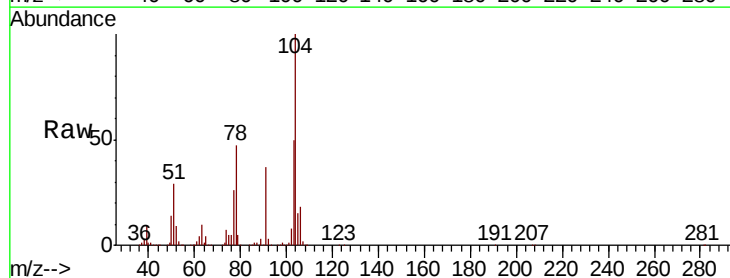


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

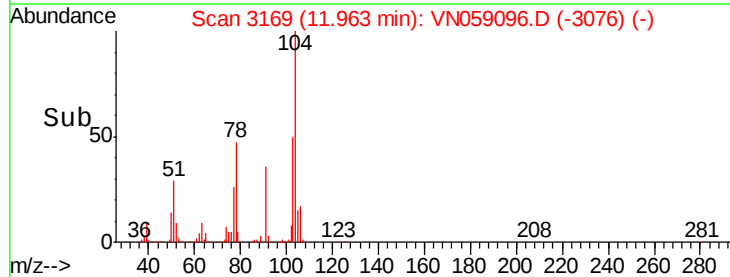
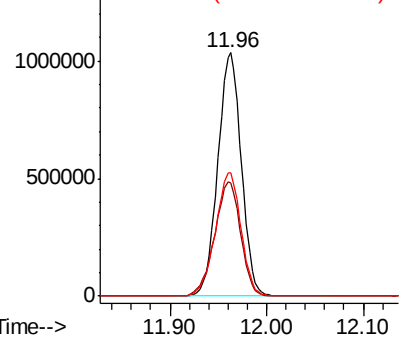


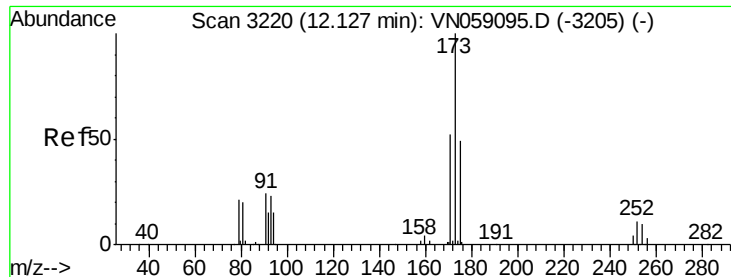
#70
Styrene
Concen: 108.220 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion:104 Resp: 1746272
Ion Ratio Lower Upper
104 100
78 52.0 41.2 61.8
103 55.1 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 104.980 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

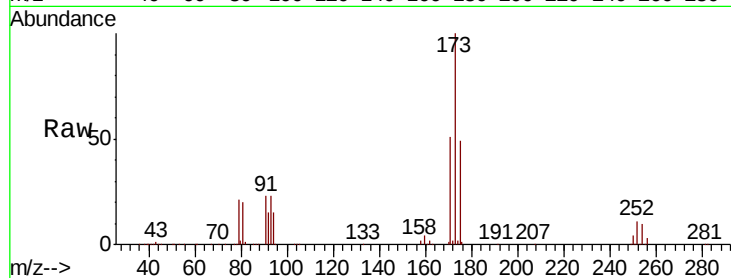
Tot Ion:173 Resp: 483210

Ion Ratio Lower Upper

173 100

175 49.1 24.2 72.6

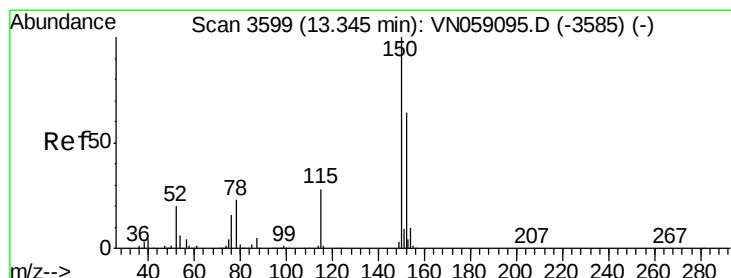
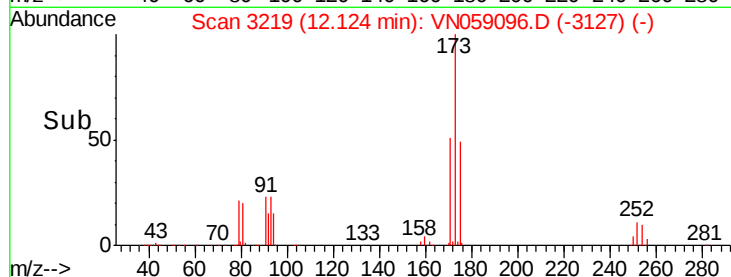
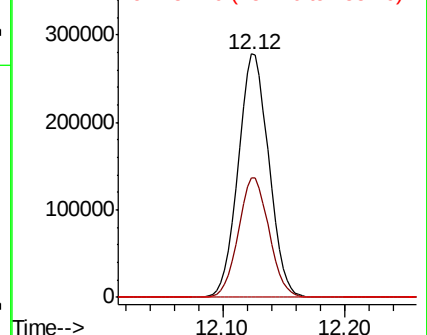
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

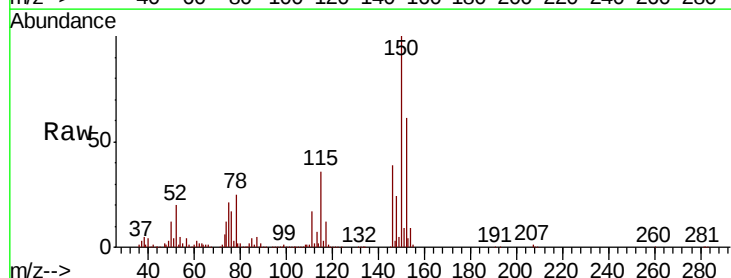
Tgt Ion:152 Resp: 398201

Ion Ratio Lower Upper

152 100

115 58.9 29.4 88.2

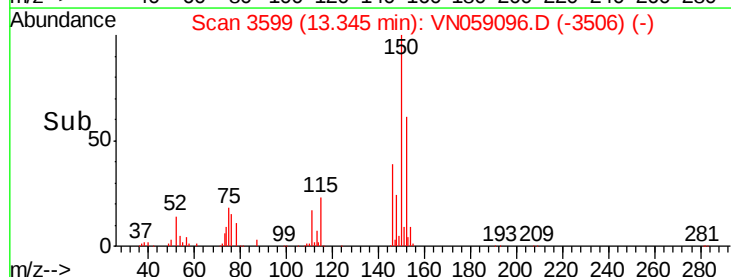
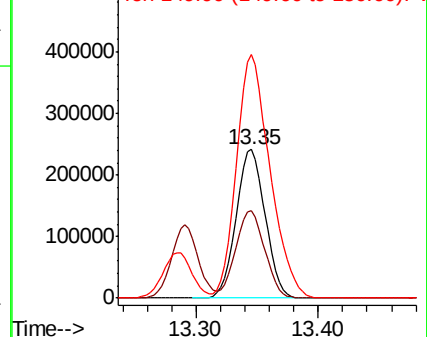
150 189.2 0.0 345.8

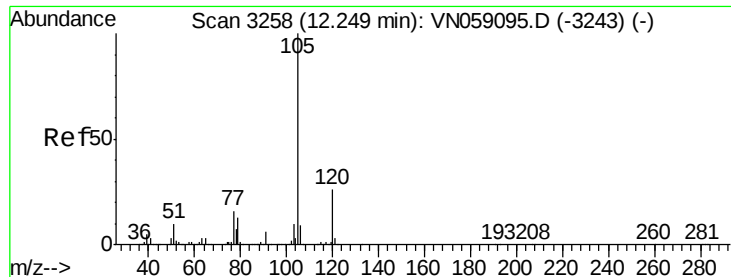


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 92.147 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

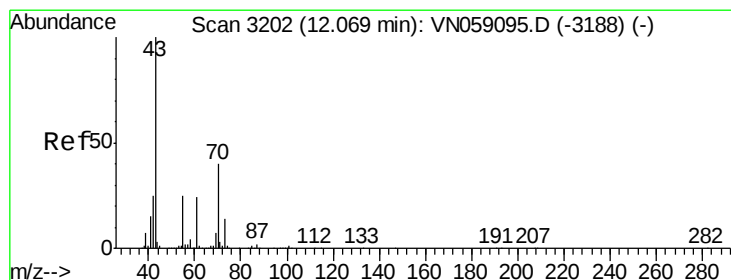
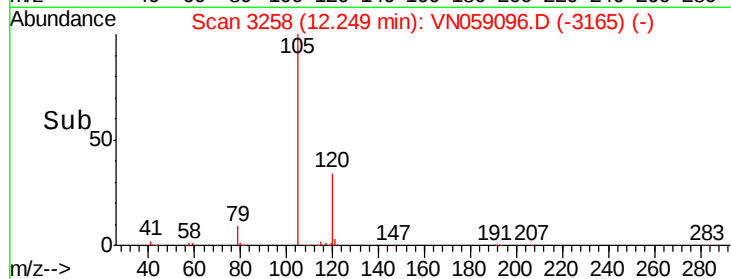
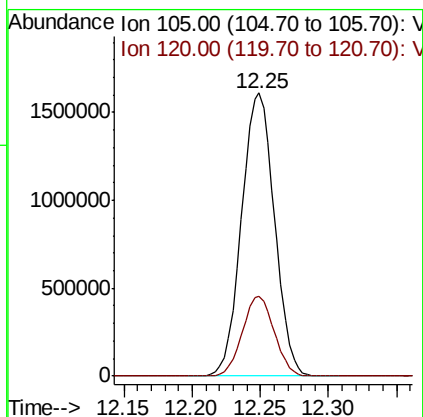
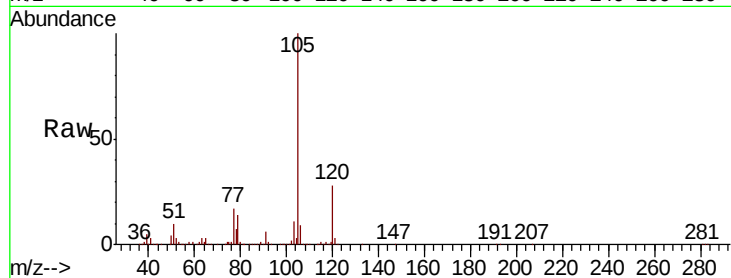
ClientSampled :

Tot Ion:105 Resp: 2693076

Ion Ratio Lower Upper

105 100

120 27.4 13.1 39.3



#74

N-ethyl acetate

Concen: 100.843 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion: 43 Resp: 1304404

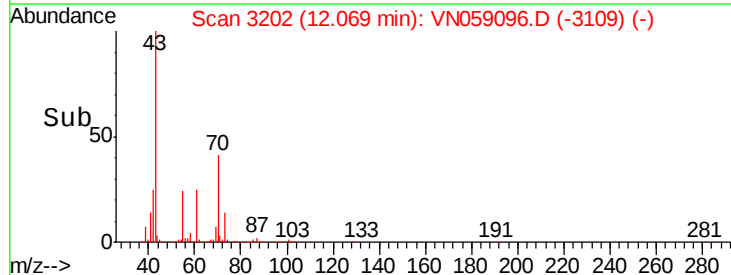
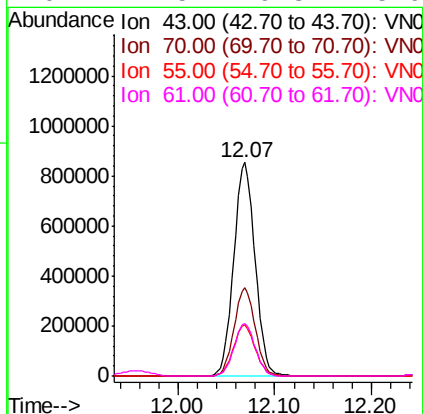
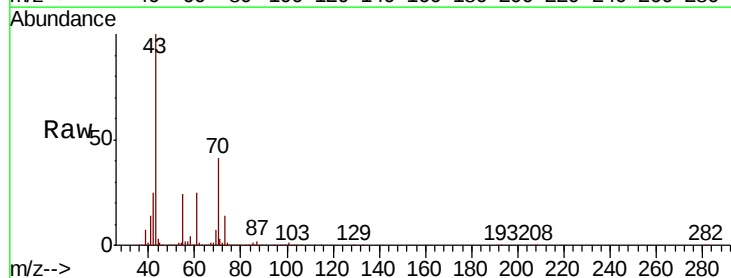
Ion Ratio Lower Upper

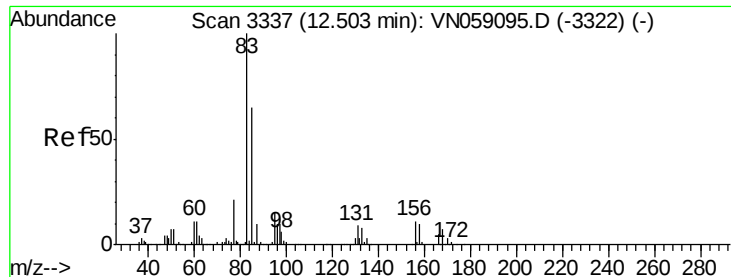
43 100

70 41.2 32.2 48.4

55 24.3 20.4 30.6

61 24.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 88.248 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

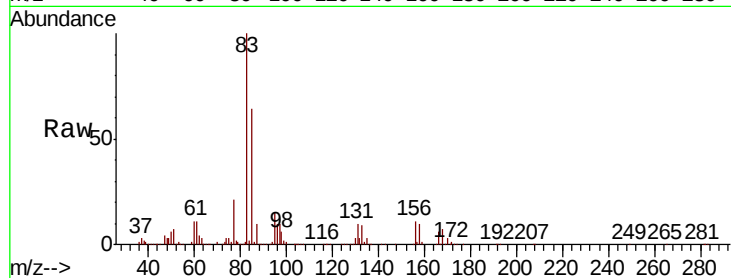
Tot Ion: 83 Resp: 918905

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

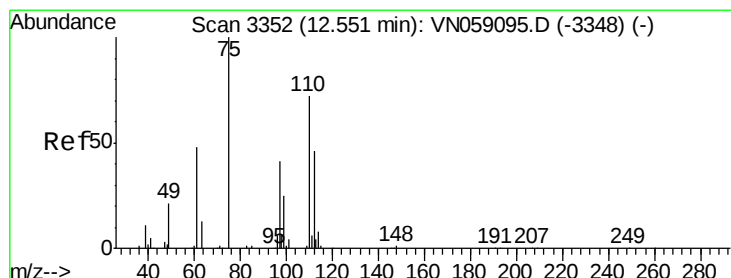
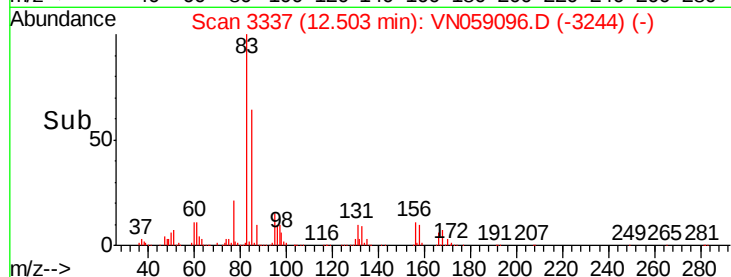
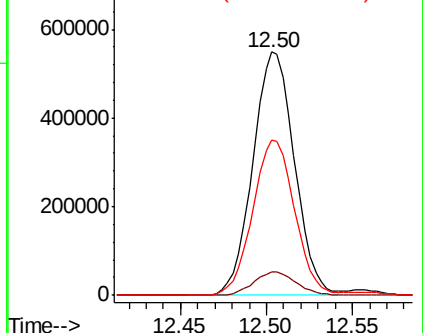
85 64.3 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059095.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059095.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059095.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 134.480 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059096.D

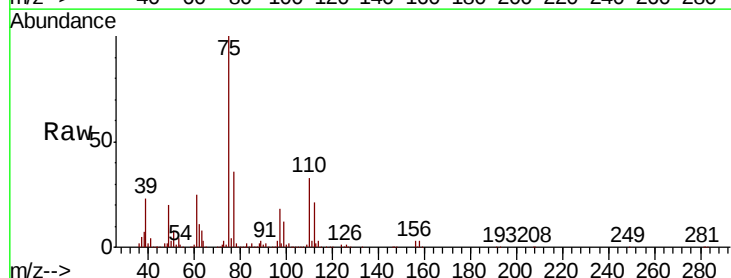
Acq: 6 Nov 2019 10:23

Tgt Ion: 75 Resp: 1251490

Ion Ratio Lower Upper

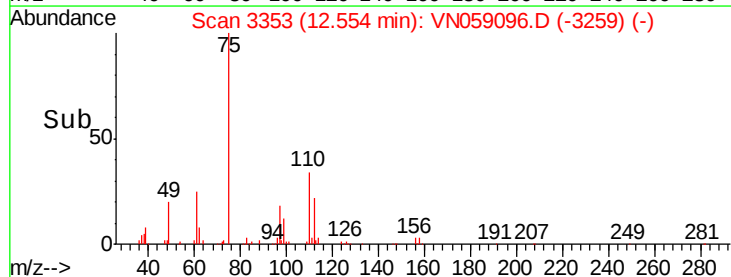
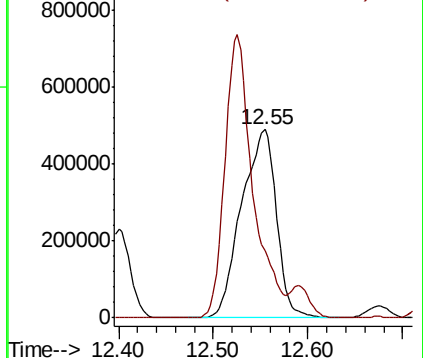
75 100

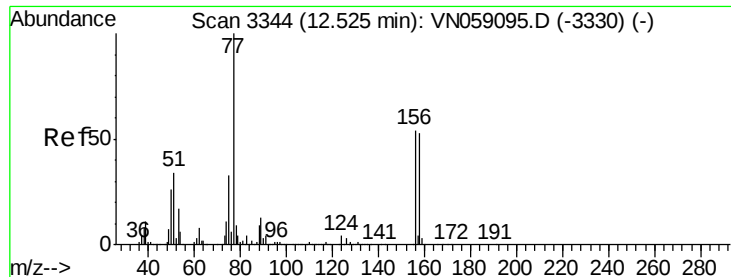
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN059095.D (-3348) (-)





#77

Bromobenzene

Concen: 91.415 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampled :

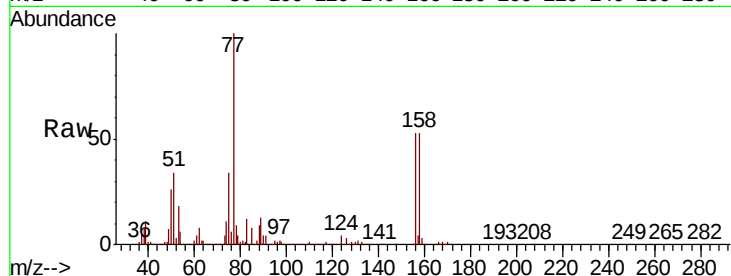
Tot Ion:156 Resp: 670337

Ion Ratio Lower Upper

156 100

77 227.3 112.8 338.3

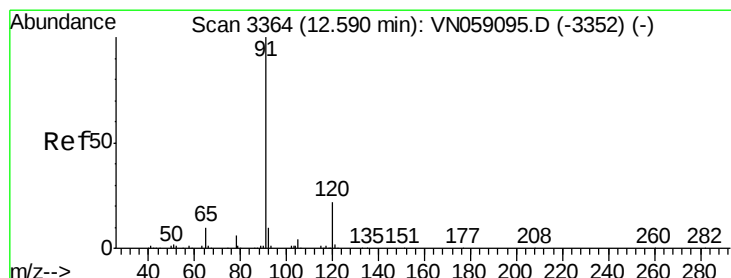
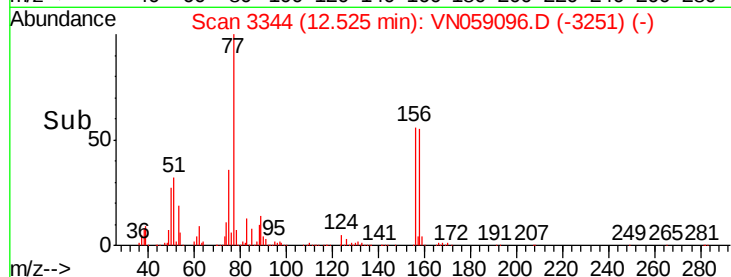
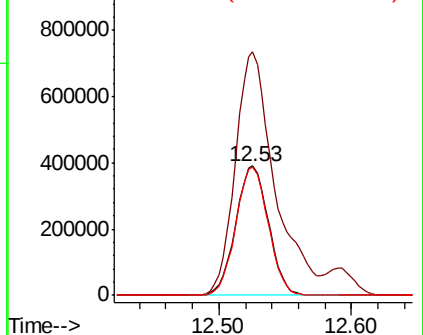
158 97.8 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 92.870 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059096.D

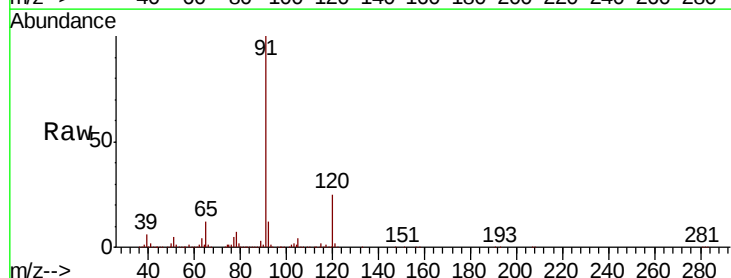
Acq: 6 Nov 2019 10:23

Tgt Ion: 91 Resp: 3136779

Ion Ratio Lower Upper

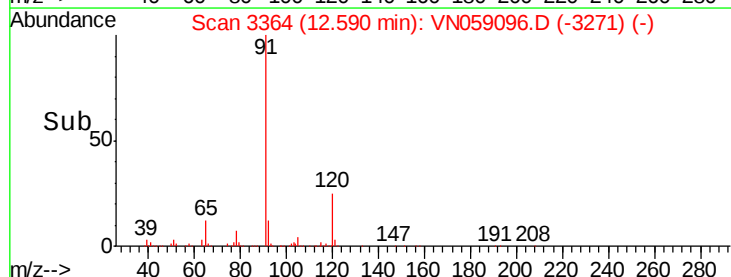
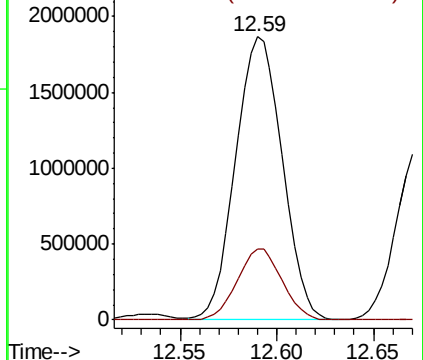
91 100

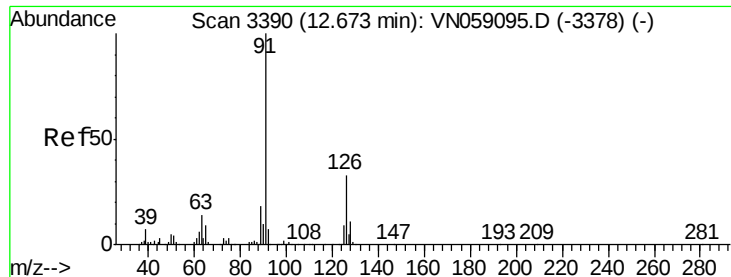
120 24.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 92.358 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

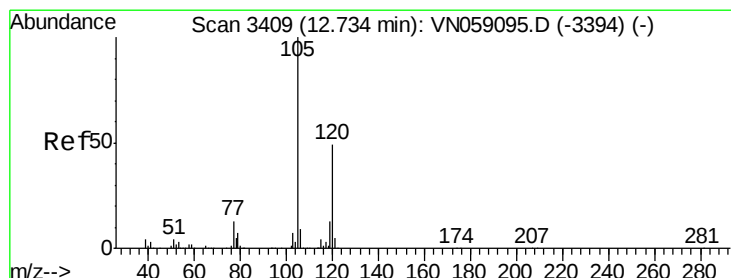
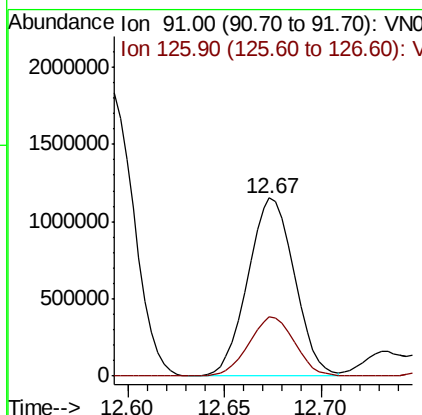
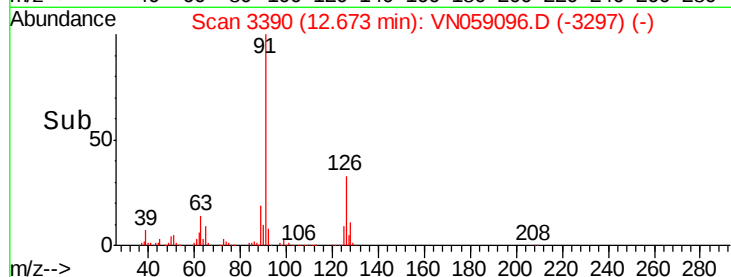
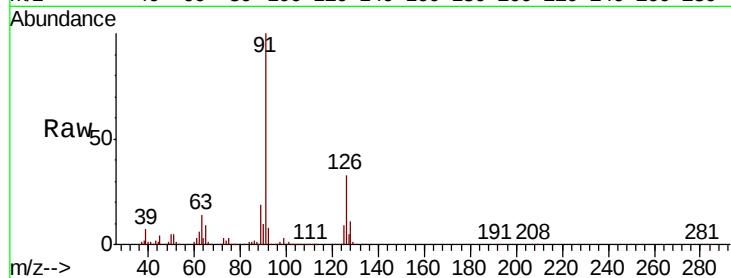
ClientSampled :

Tot Ion: 91 Resp: 1937103

Ion Ratio Lower Upper

91 100

126 32.8 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 94.726 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059096.D

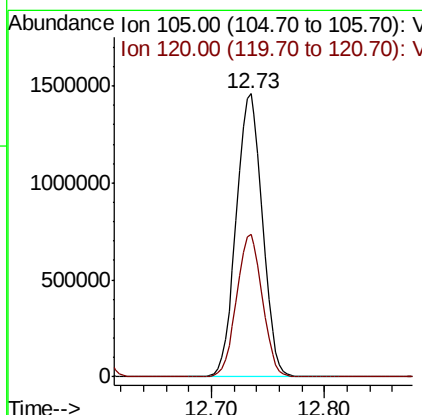
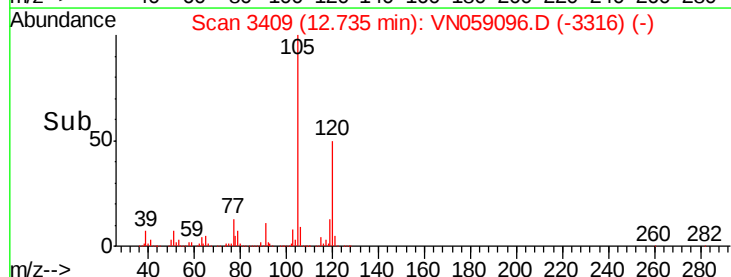
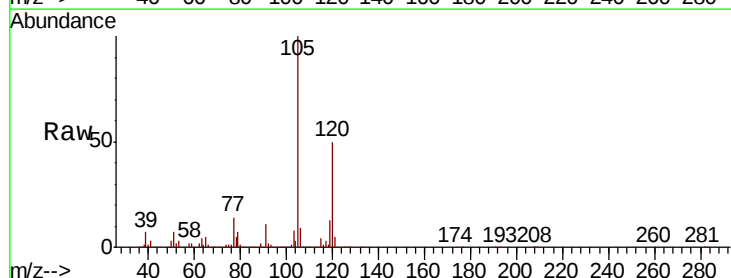
Acq: 6 Nov 2019 10:23

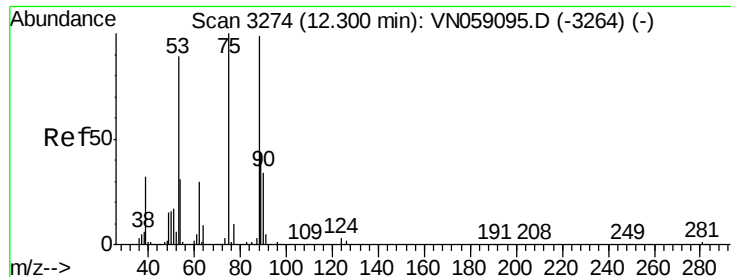
Tgt Ion:105 Resp: 2354383

Ion Ratio Lower Upper

105 100

120 49.4 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 97.926 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

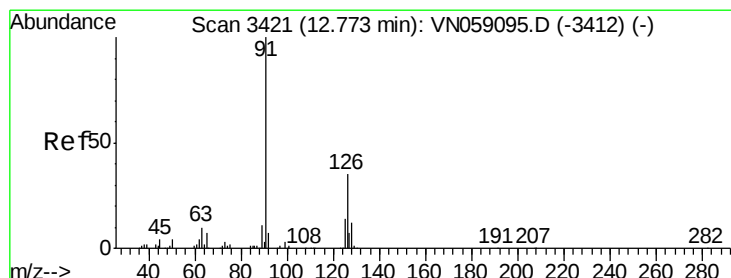
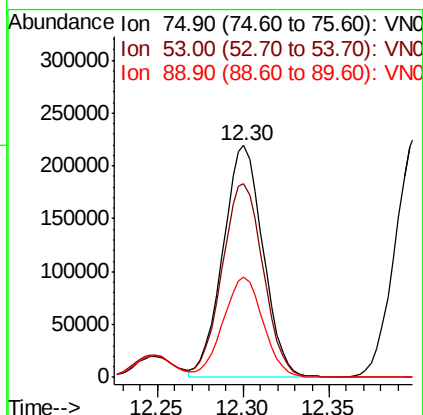
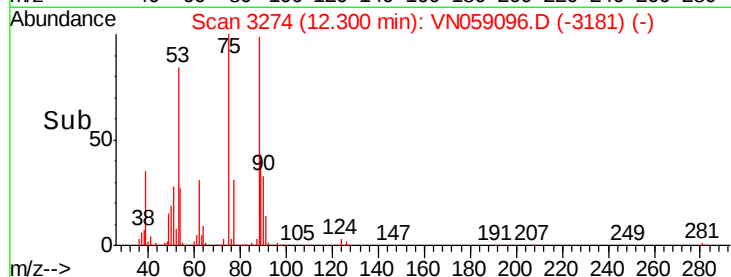
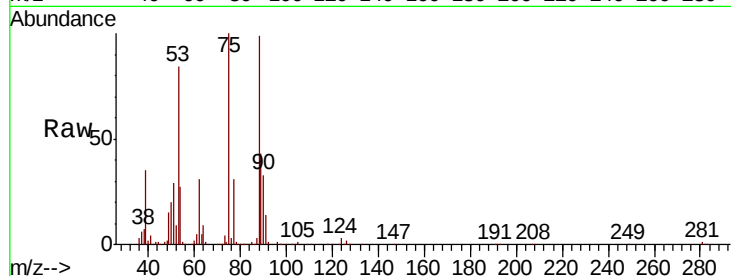
Tot Ion: 75 Resp: 355346

Ion Ratio Lower Upper

75 100

53 86.4 72.2 108.2

89 43.7 35.8 53.8



#82

4-Chlorotoluene

Concen: 94.004 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN059096.D

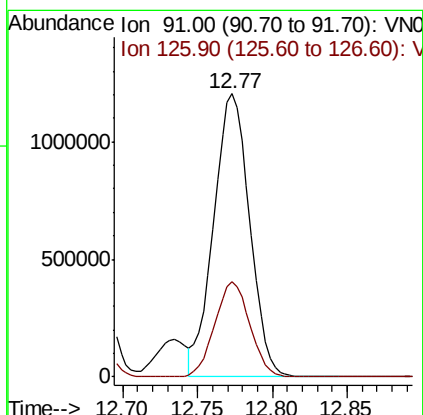
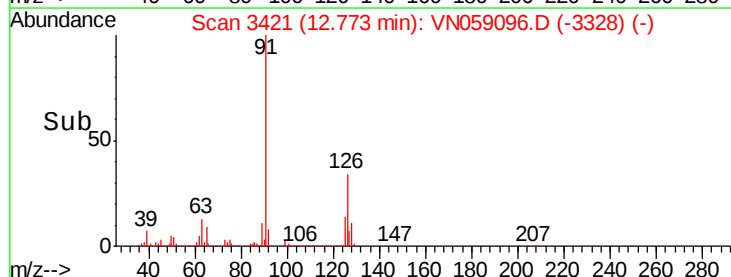
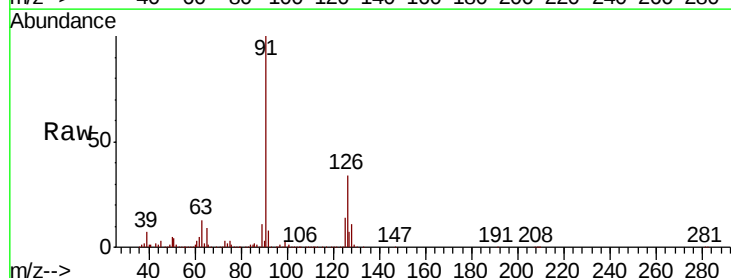
Acq: 6 Nov 2019 10:23

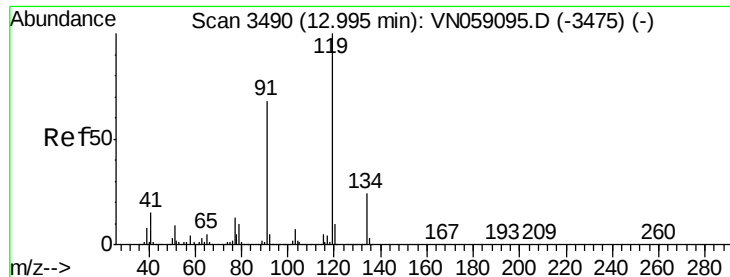
Tgt Ion: 91 Resp: 2014068

Ion Ratio Lower Upper

91 100

126 32.7 16.1 48.2





#83

tert-Butylbenzene

Concen: 95.514 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampled :

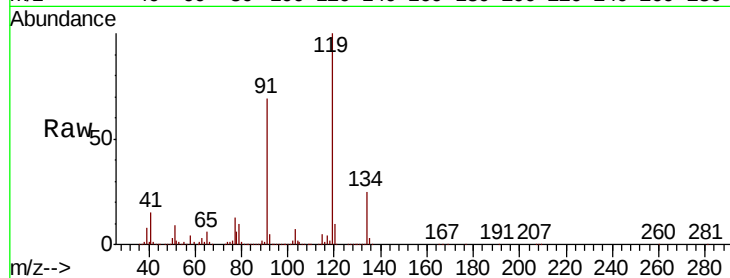
Tot Ion:119 Resp: 2022520

Ion	Ratio	Lower	Upper
119	100		
91	66.8	33.2	99.6
134	25.5	12.7	38.1

119 100

91 66.8 33.2 99.6

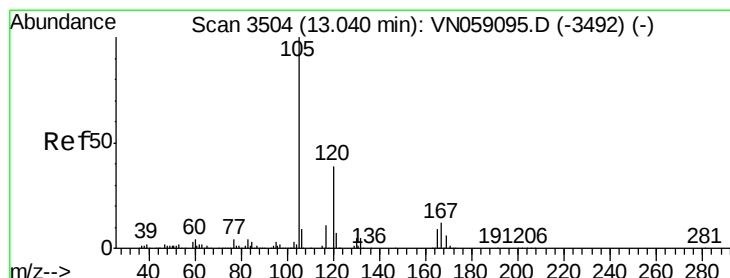
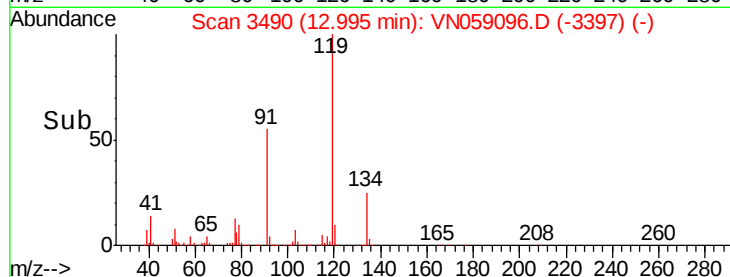
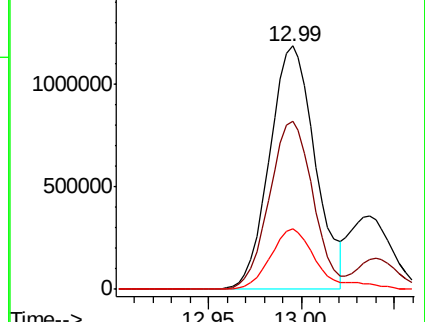
134 25.5 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 97.710 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN059096.D

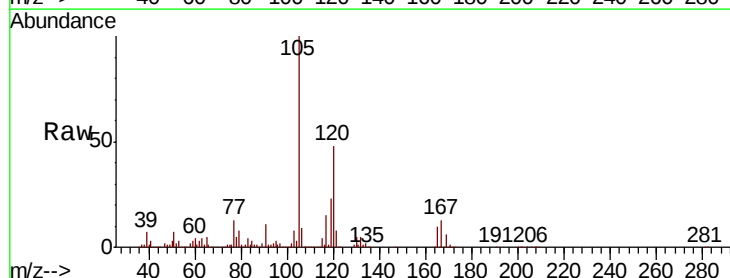
Acq: 6 Nov 2019 10:23

Tgt Ion:105 Resp: 2351610

Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.8	68.4

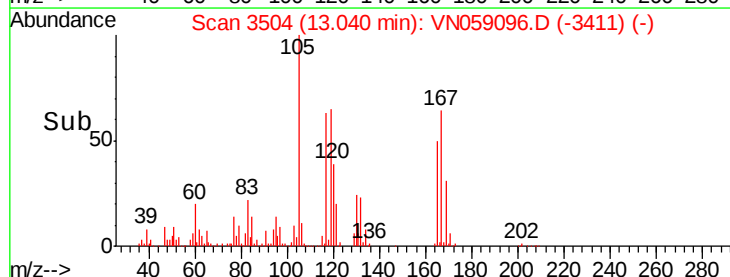
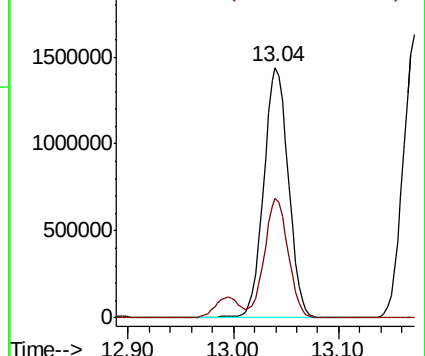
105 100

120 46.2 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 96.720 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

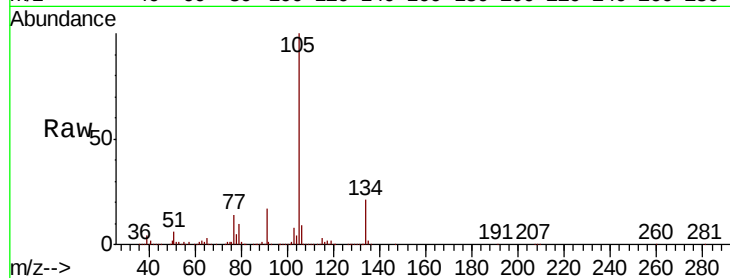
ClientSampled :

Tot Ion:105 Resp: 2677485

Ion Ratio Lower Upper

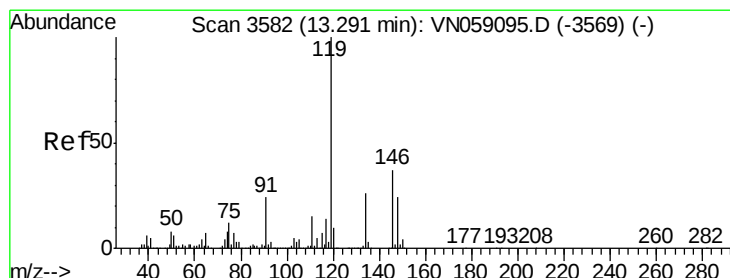
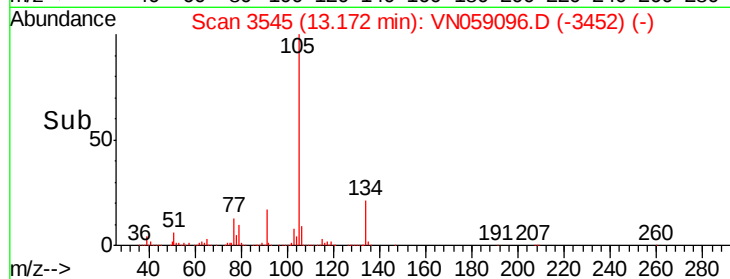
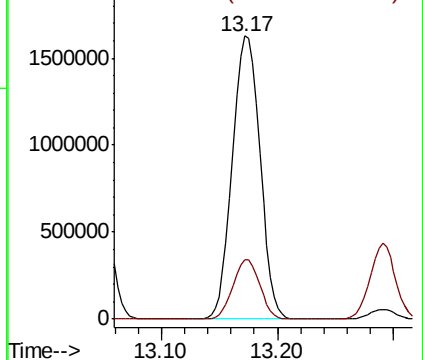
105 100

134 20.3 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: 98.126 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

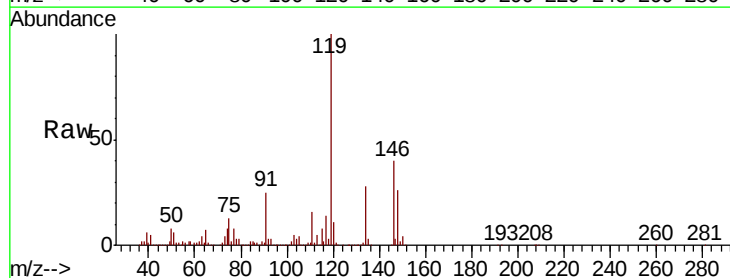
Tgt Ion:119 Resp: 2446361

Ion Ratio Lower Upper

119 100

134 26.9 13.0 38.9

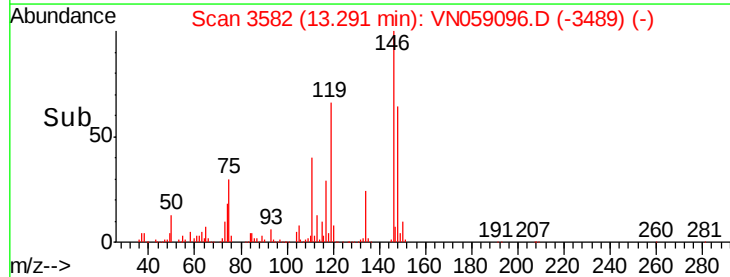
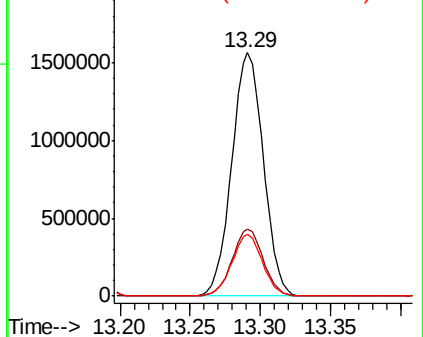
91 24.4 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 94.796 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

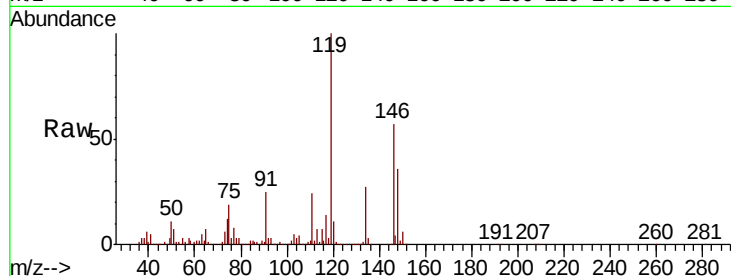
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146 Resp: 1230438

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	63.9	32.2	96.6

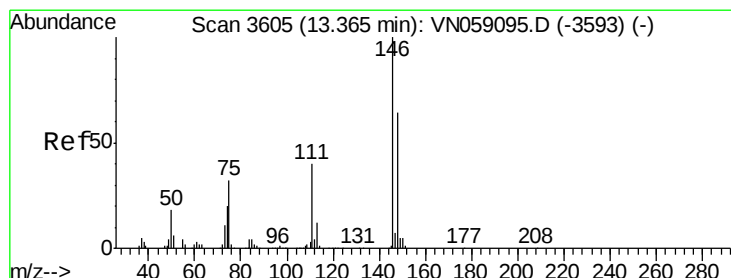
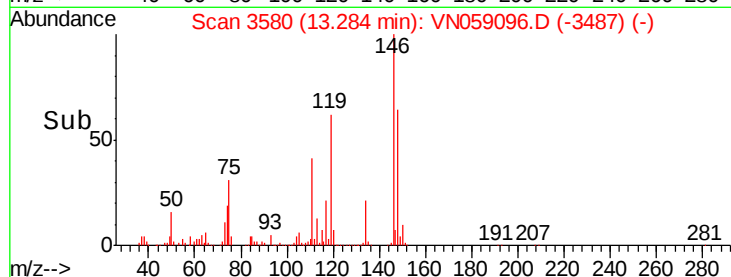
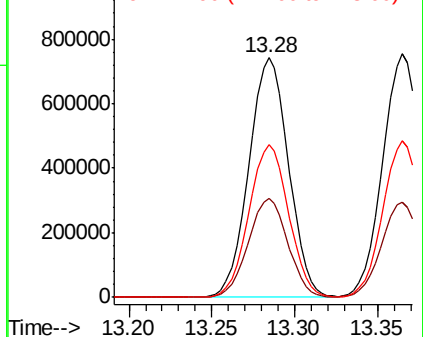


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 95.574 ug/l

RT: 13.36 min Scan# 3605

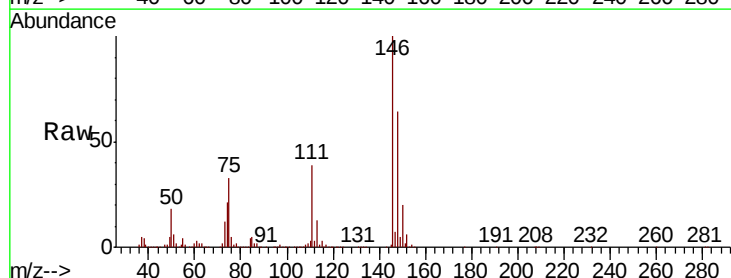
Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion:146 Resp: 1225805

Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.9
148	64.1	31.9	95.7

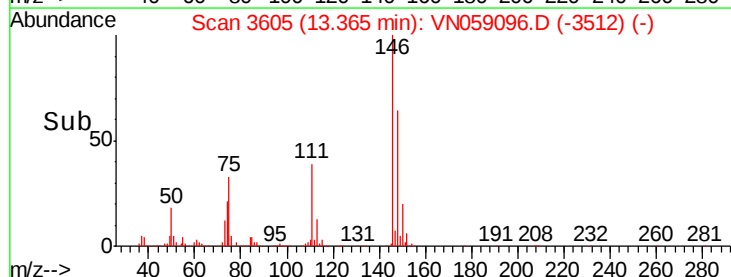
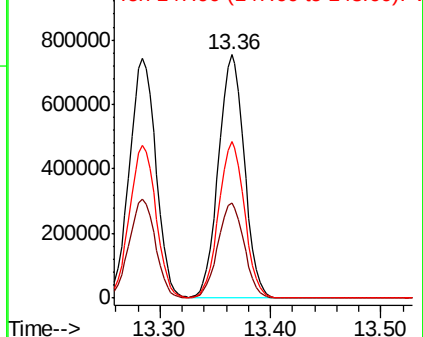


Abundance

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

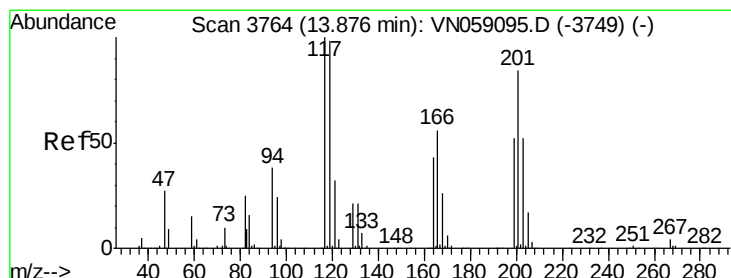
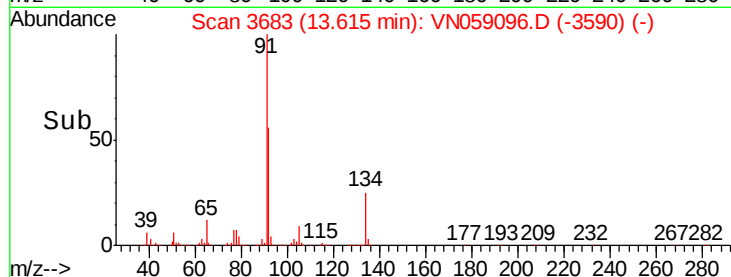
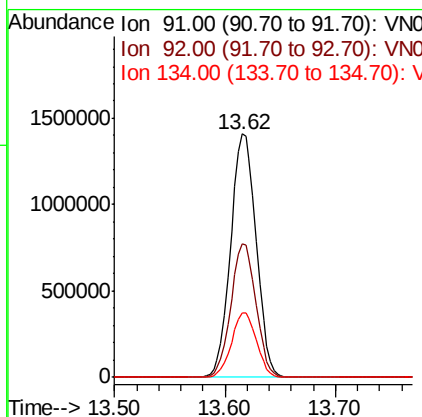
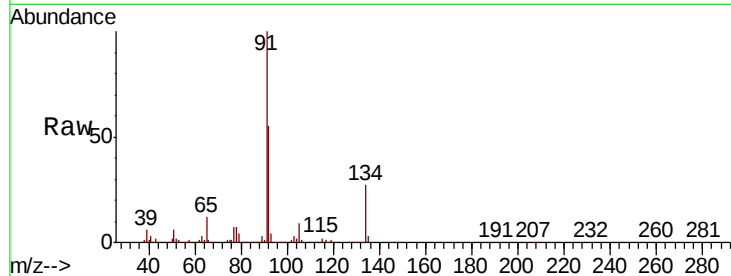




#89
n-Butylbenzene
Concen: 104.403 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

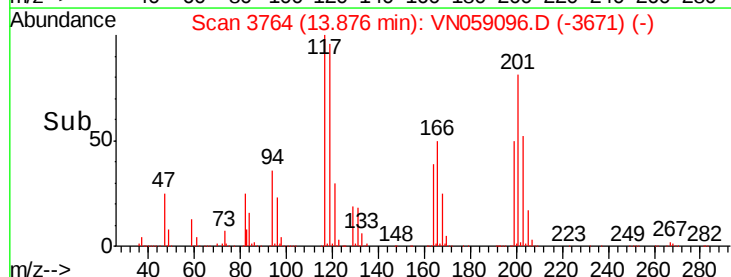
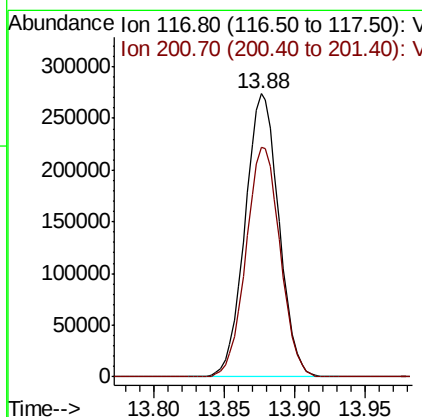
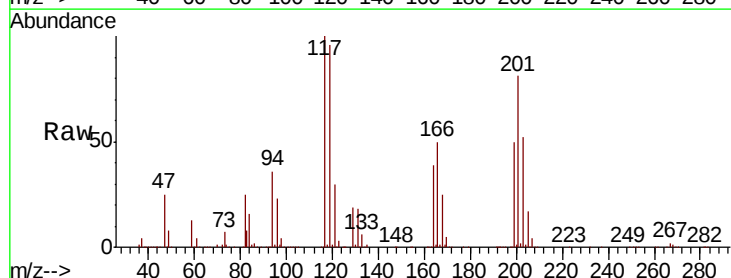
Instrument :
MSVOA_N
ClientSampled :

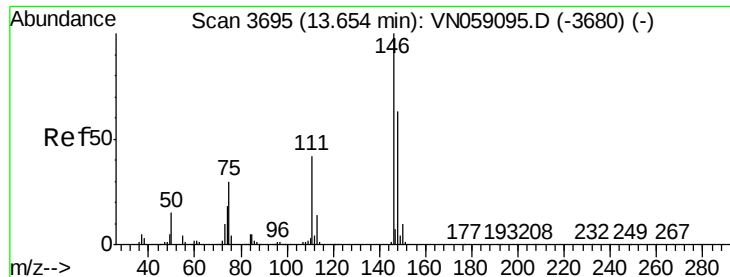
Tot Ion: 91 Resp: 2260050
Ion Ratio Lower Upper
91 100
92 53.9 26.1 78.3
134 26.0 12.6 37.8



#90
Hexachloroethane
Concen: 92.771 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 117 Resp: 459068
Ion Ratio Lower Upper
117 100
201 82.2 41.8 125.3



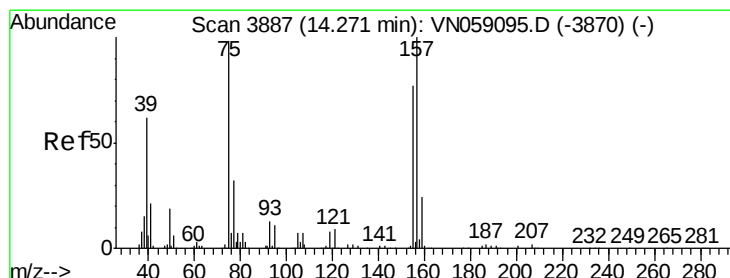
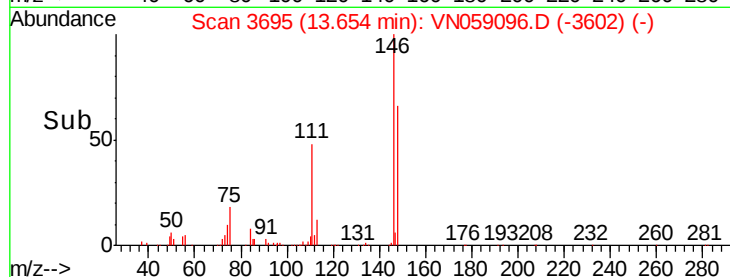
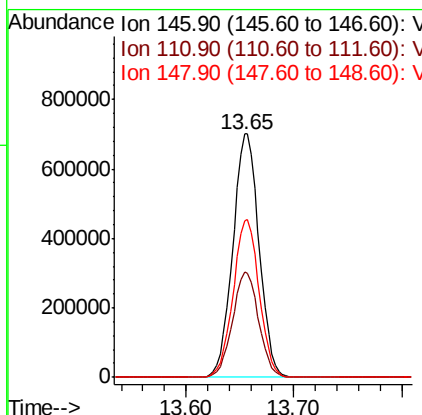
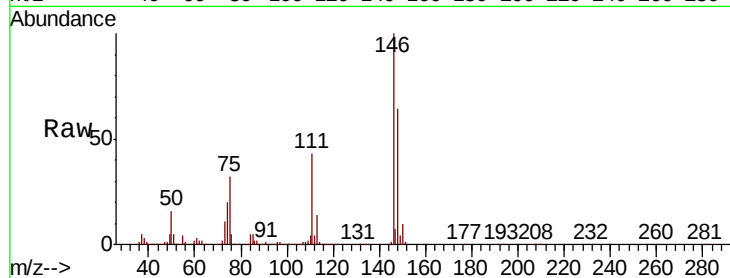


#91
 1,2-Dichlorobenzene
 Concen: 91.698 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 1187297

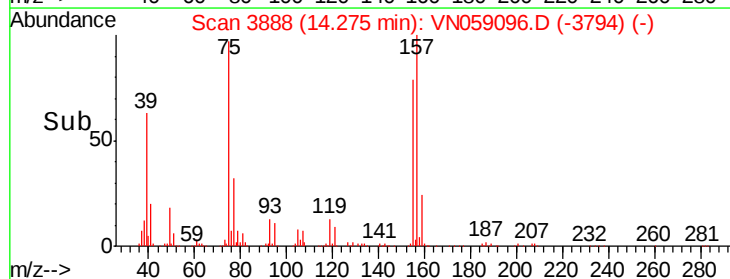
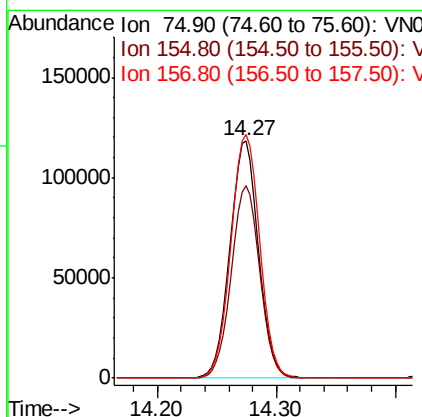
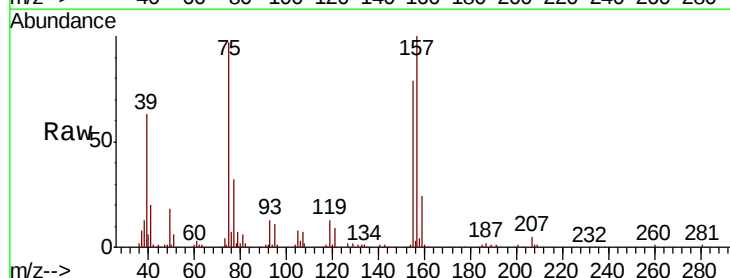
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.2	63.6
148	64.3	31.6	94.7

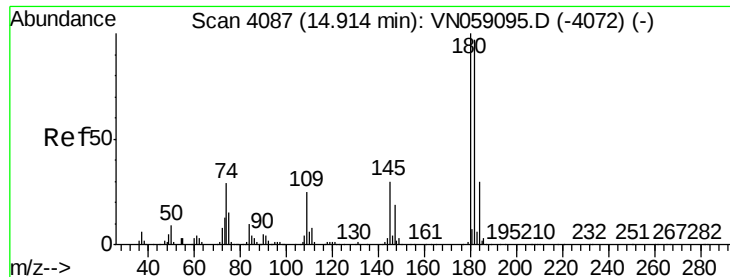


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 86.937 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 75 Resp: 195174

Ion	Ratio	Lower	Upper
75	100		
155	81.5	40.2	120.6
157	104.7	51.8	155.5

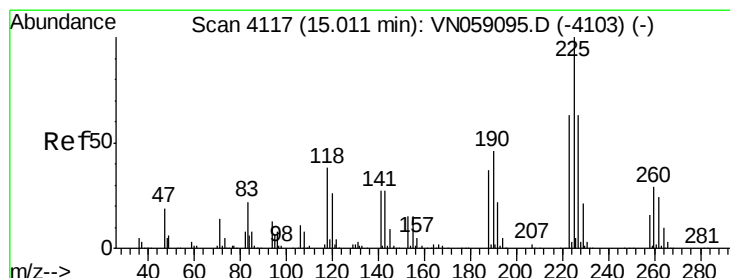
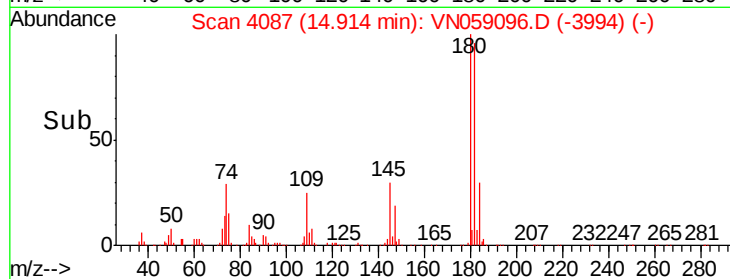
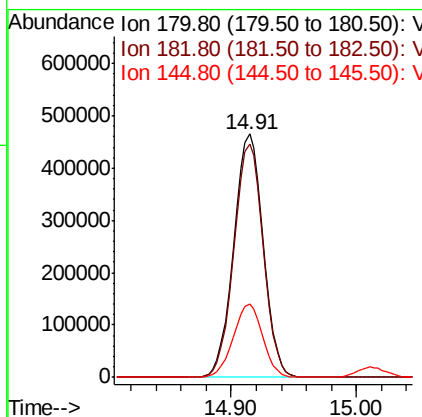
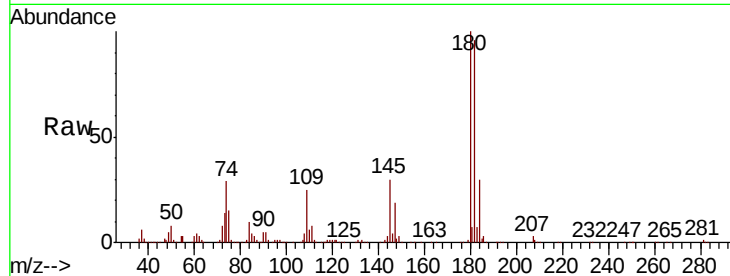




#93
 1,2,4-Trichlorobenzene
 Concen: 109.163 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

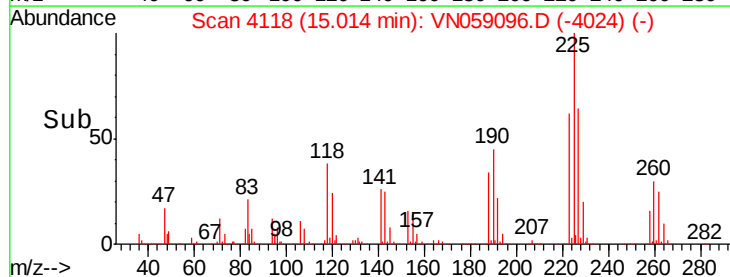
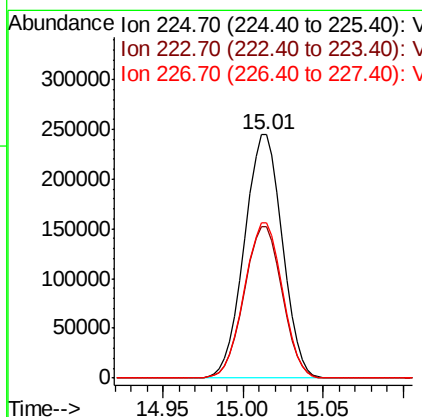
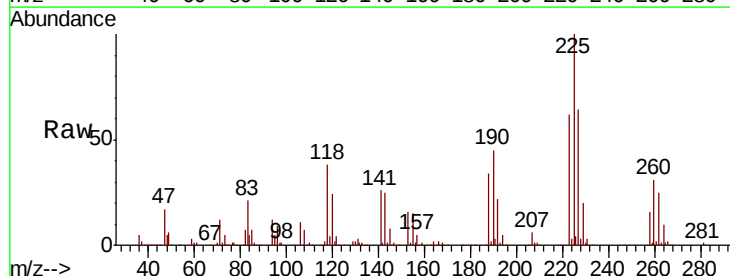
Instrument :
 MSVOA_N
 ClientSampled :

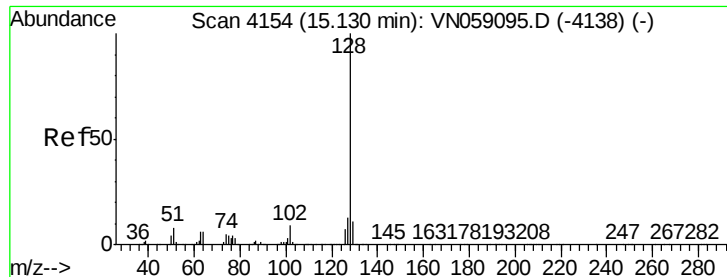
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.1	144.3
145	30.1	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 94.335 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.3	93.9
227	64.3	31.5	94.5

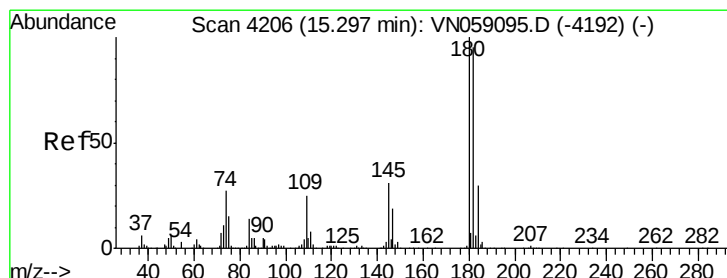
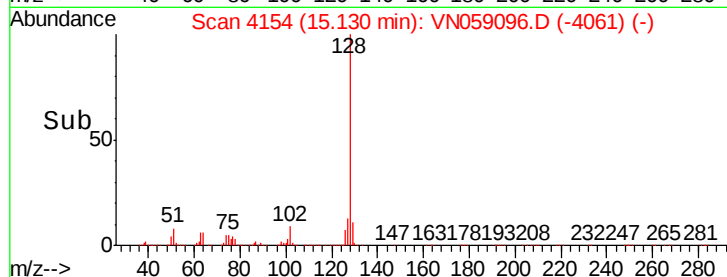
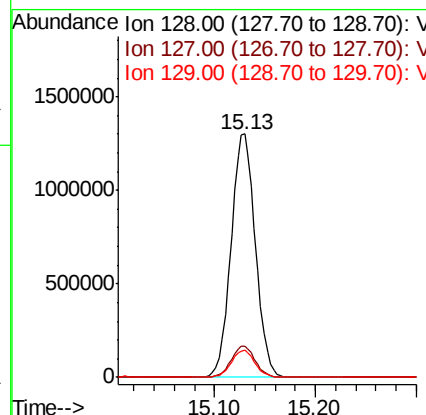
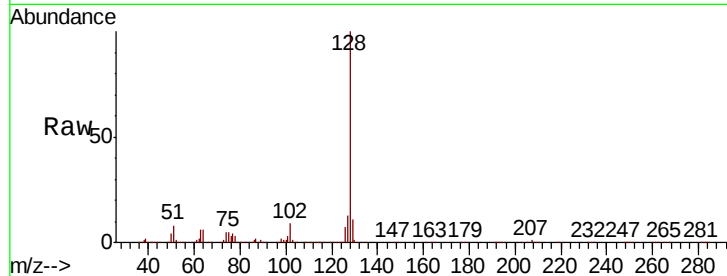




#95
Naphthalene
Concen: 114.666 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 2181147
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 105.699 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion:180 Resp: 750533
Ion Ratio Lower Upper
180 100
182 95.6 47.3 141.8
145 32.0 15.8 47.3

