

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
 Data File : VN059102.D
 Acq On : 6 Nov 2019 13:12
 Operator : JC/SP
 Sample : VN1106WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

Quant Time: Nov 07 04:04:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	501526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	786472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	705754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	312922	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	306963	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
35) Dibromofluoromethane	7.57	113	235819	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.08	98	921871	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.40	95	320186	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	96524	19.102	ug/l	100
3) Chloromethane	2.04	50	132413	19.277	ug/l	100
4) Vinyl Chloride	2.17	62	128799	19.341	ug/l	98
5) Bromomethane	2.55	94	74763	19.509	ug/l	97
6) Chloroethane	2.68	64	77400	19.648	ug/l	100
7) Trichlorofluoromethane	3.00	101	157503	19.773	ug/l	100
8) Diethyl Ether	3.39	74	63614	19.655	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	94773	19.733	ug/l	99
10) Methyl Iodide	3.93	142	114235	19.216	ug/l	99
11) Tert butyl alcohol	4.75	59	111065	94.529	ug/l	99
12) 1,1-Dichloroethene	3.71	96	91269	19.508	ug/l	98
13) Acrolein	3.58	56	61057	100.793	ug/l	98
14) Allyl chloride	4.30	41	184589	19.208	ug/l	99
15) Acrylonitrile	4.96	53	297843	101.862	ug/l	98
16) Acetone	3.79	43	311935	97.299	ug/l	100
17) Carbon Disulfide	4.03	76	275182	18.948	ug/l	99
18) Methyl Acetate	4.30	43	153509	20.173	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	326775	20.287	ug/l	99
20) Methylene Chloride	4.53	84	109108	19.535	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	98526	19.619	ug/l	95
22) Diisopropyl ether	5.92	45	367871	20.266	ug/l	94
23) Vinyl Acetate	5.87	43	1509681	107.311	ug/l	99
24) 1,1-Dichloroethane	5.82	63	199994	19.726	ug/l	98
25) 2-Butanone	6.81	43	421381	99.729	ug/l	98
26) 2,2-Dichloropropane	6.80	77	170050	19.182	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	115123	19.760	ug/l	99
28) Bromochloromethane	7.17	49	61226	20.073	ug/l	98
29) Tetrahydrofuran	7.19	42	276501	102.991	ug/l	100
30) Chloroform	7.35	83	192111	19.753	ug/l	98
31) Cyclohexane	7.63	56	186860	19.469	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	163731	20.024	ug/l	100
36) 1,1-Dichloropropene	7.77	75	147042	20.002	ug/l	99
37) Ethyl Acetate	6.90	43	163891	20.040	ug/l	99
38) Carbon Tetrachloride	7.75	117	144524	19.752	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	166657	19.534	ug/l	100
40) Benzene	8.02	78	441091	19.925	ug/l	98
41) Methacrylonitrile	7.18	41	237496	66.785	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	154998	20.415	ug/l	99
43) Isopropyl Acetate	8.14	43	256127	19.645	ug/l	93
44) Trichloroethene	8.82	130	106959	19.656	ug/l	98
45) 1,2-Dichloropropane	9.10	63	122065	20.301	ug/l	99
46) Dibromomethane	9.19	93	74262	19.820	ug/l	99
47) Bromodichloromethane	9.39	83	149701	20.008	ug/l	98
48) Methyl methacrylate	9.18	41	113077	19.390	ug/l	99
49) 1,4-Dioxane	9.18	88	36307	350.321	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	811663	110.024	ug/l	99
52) Toluene	10.15	92	266658	20.097	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	168364	19.477	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	185381	19.937	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	106142	19.766	ug/l	99
56) Ethyl methacrylate	10.42	69	160727	19.147	ug/l	99
57) 1,3-Dichloropropane	10.70	76	185557	20.078	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	323997	108.417	ug/l	99
59) 2-Hexanone	10.74	43	595080	105.095	ug/l	100
60) Dibromochloromethane	10.90	129	112220	19.766	ug/l	100
61) 1,2-Dibromoethane	11.00	107	107159	19.713	ug/l	99
64) Tetrachloroethene	10.62	164	96497	20.108	ug/l	95
65) Chlorobenzene	11.43	112	272423	19.801	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	104132	20.177	ug/l	99
67) Ethyl Benzene	11.51	91	495667	20.306	ug/l	99
68) m/p-Xylenes	11.62	106	360612	39.439	ug/l	97
69) o-Xylene	11.95	106	176668	19.993	ug/l	100
70) Styrene	11.96	104	277739	19.985	ug/l	99
71) Bromoform	12.13	173	78849	19.642	ug/l #	100
73) Isopropylbenzene	12.25	105	475416	20.886	ug/l	100
74) N-amyl acetate	12.07	43	195941	20.315	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	162428	20.954	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	208569	29.276	ug/l #	100
77) Bromobenzene	12.53	156	112937	19.748	ug/l	98
78) n-propylbenzene	12.59	91	541629	20.782	ug/l	99
79) 2-Chlorotoluene	12.67	91	325900	20.157	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	398456	20.659	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54139	20.072	ug/l	98
82) 4-Chlorotoluene	12.77	91	323429	19.945	ug/l	99
83) tert-Butylbenzene	12.99	119	338069	20.297	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	389244	20.859	ug/l	98
85) sec-Butylbenzene	13.17	105	445070	20.546	ug/l	99
86) p-Isopropyltoluene	13.29	119	396931	20.752	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	194795	19.891	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	192309	19.627	ug/l	99
89) n-Butylbenzene	13.62	91	328111	19.600	ug/l	99
90) Hexachloroethane	13.88	117	75119	19.558	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	195159	20.259	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32476	21.015	ug/l	96

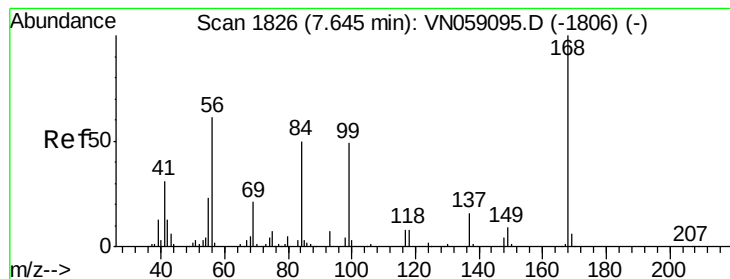
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	99180	18.982	ug/l	98
94) Hexachlorobutadiene	15.01	225	61859	18.623	ug/l	97
95) Naphthalene	15.13	128	265736	18.435	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	101315	18.766	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

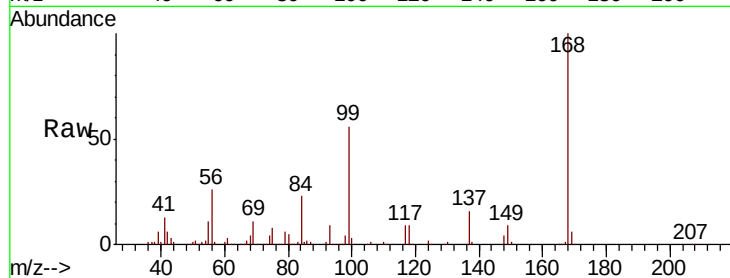
VN1106WBS01

Tot Ion:168 Resp: 501526

Ion Ratio Lower Upper

168 100

99 56.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

250000

200000

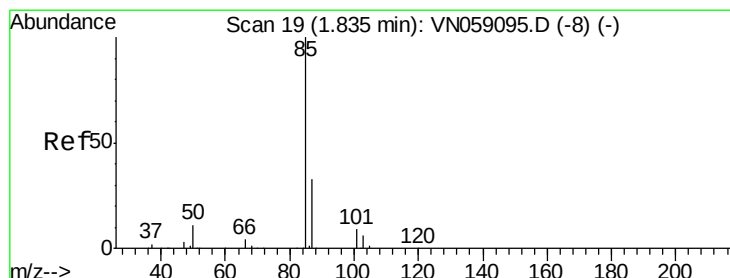
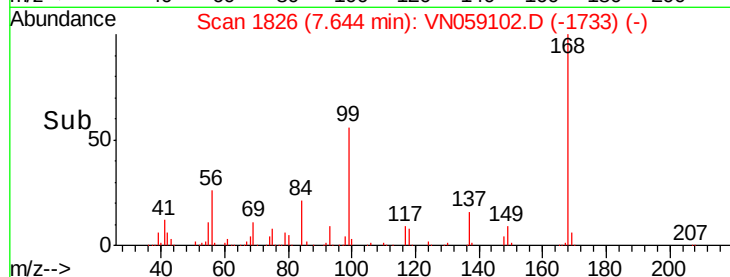
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 19.102 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059102.D

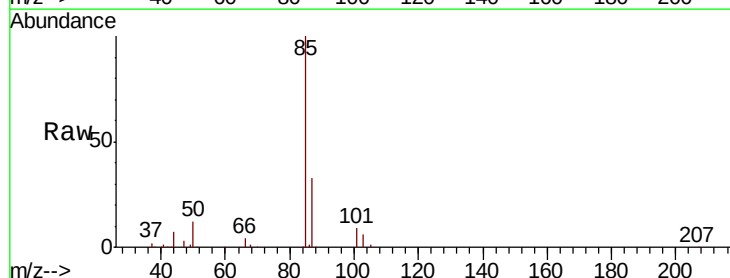
Acq: 6 Nov 2019 13:12

Tgt Ion: 85 Resp: 96524

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

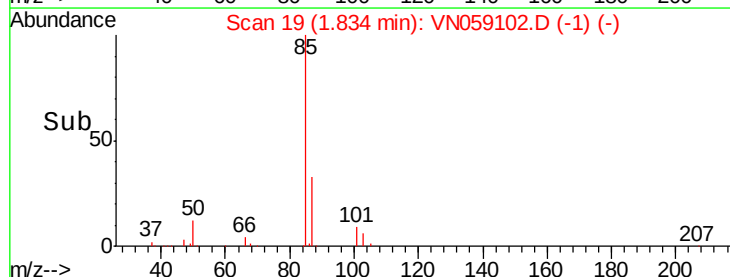
60000

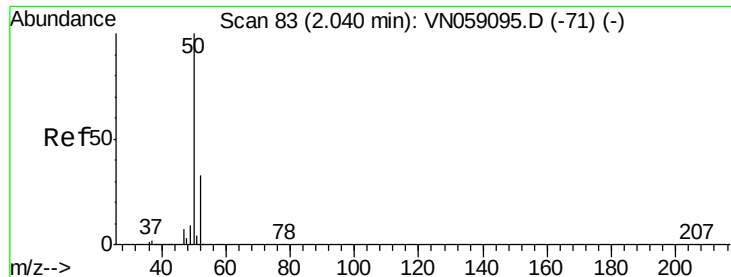
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 19.277 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

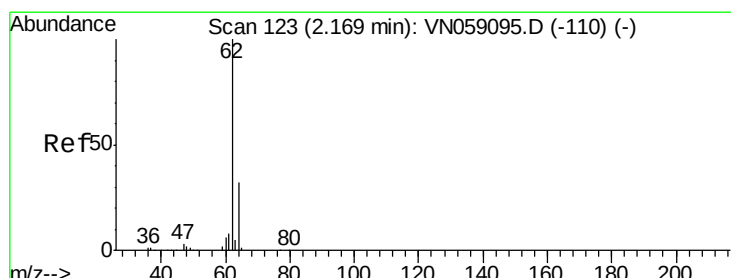
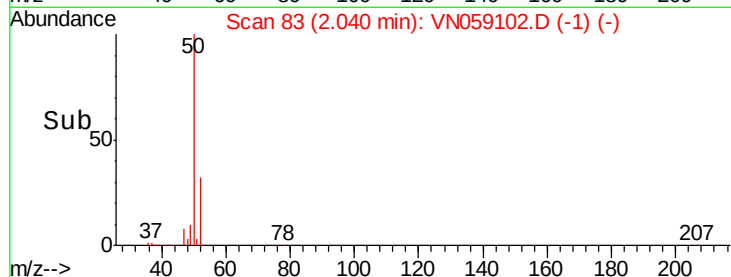
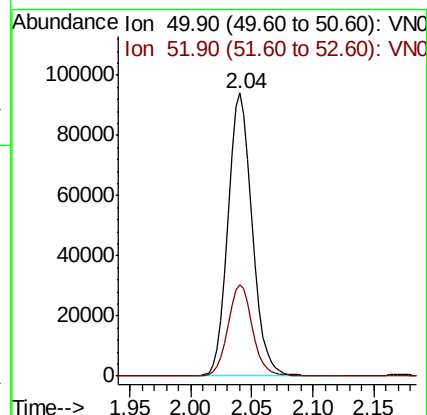
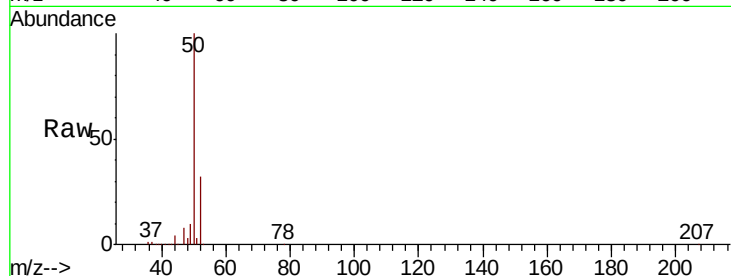
VN1106WBS01

Tot Ion: 50 Resp: 132413

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0



#4

Vinyl Chloride

Concen: 19.341 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059102.D

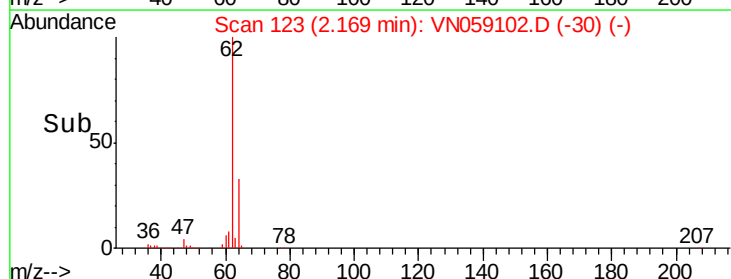
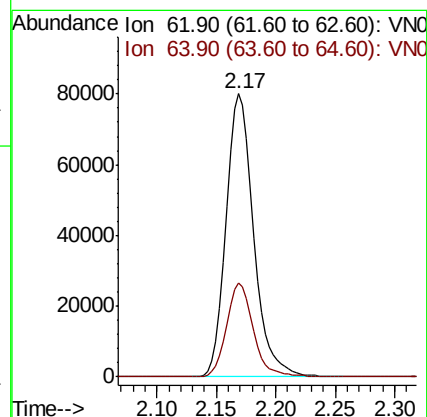
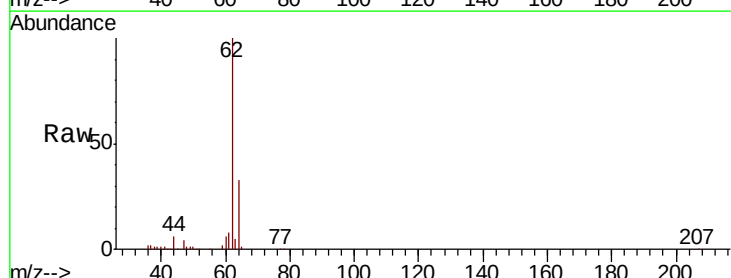
Acq: 6 Nov 2019 13:12

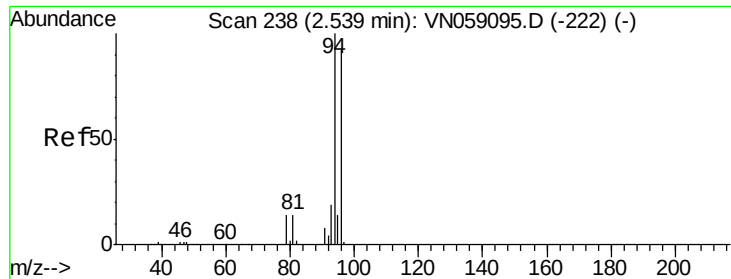
Tgt Ion: 62 Resp: 128799

Ion Ratio Lower Upper

62 100

64 33.1 25.4 38.2





#5

Bromomethane

Concen: 19.509 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

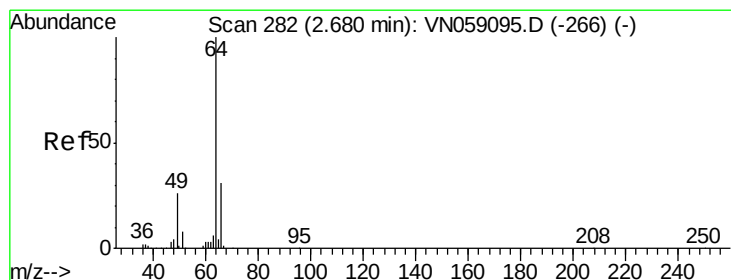
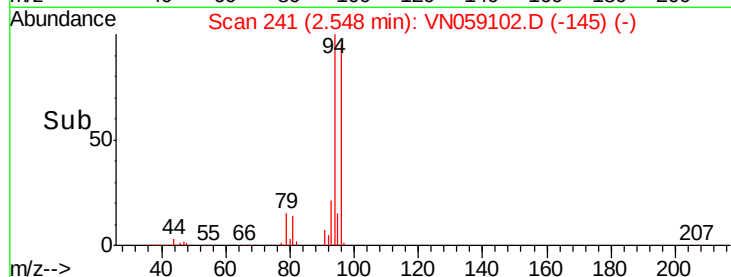
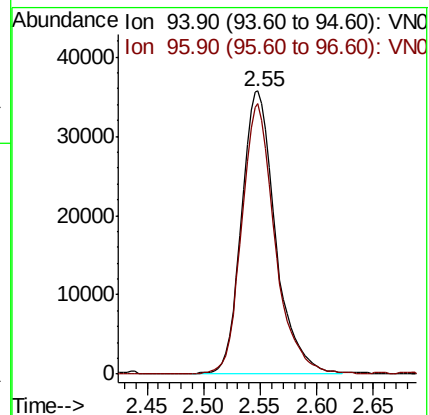
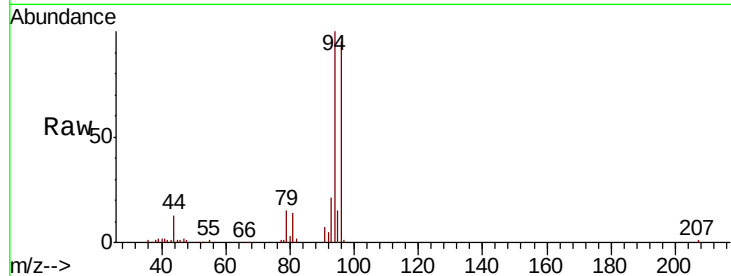
VN1106WBS01

Tot Ion: 94 Resp: 74763

Ion Ratio Lower Upper

94 100

96 95.4 74.2 111.2



#6

Chloroethane

Concen: 19.648 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059102.D

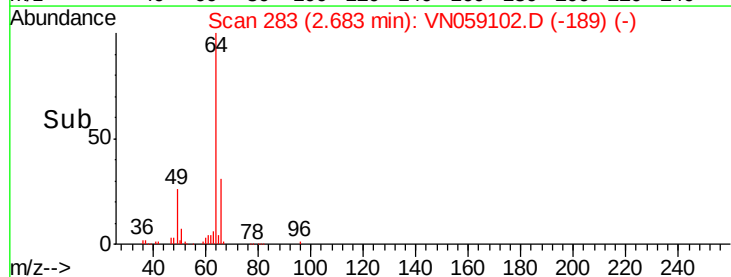
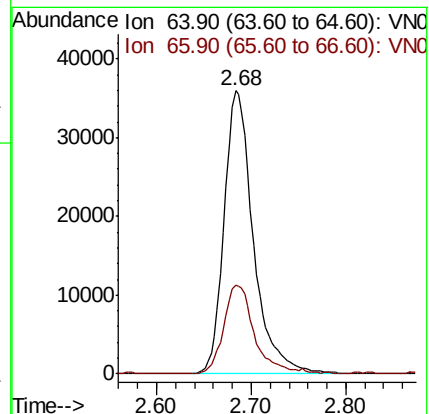
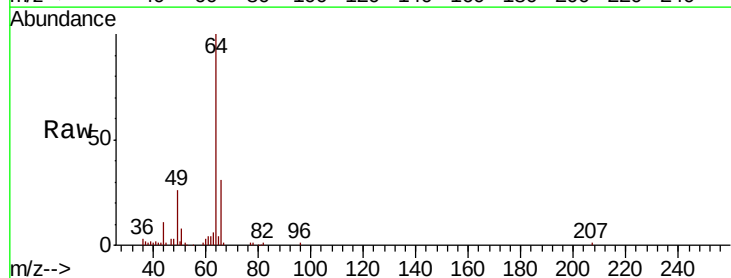
Acq: 6 Nov 2019 13:12

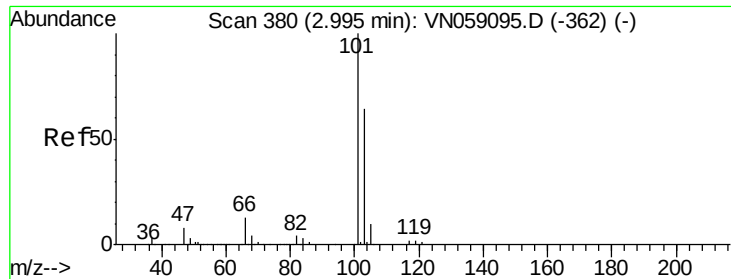
Tgt Ion: 64 Resp: 77400

Ion Ratio Lower Upper

64 100

66 31.3 25.2 37.8



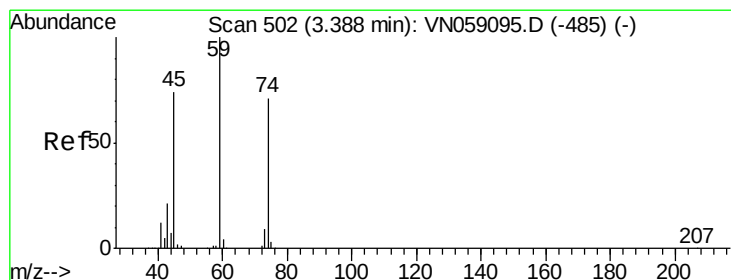
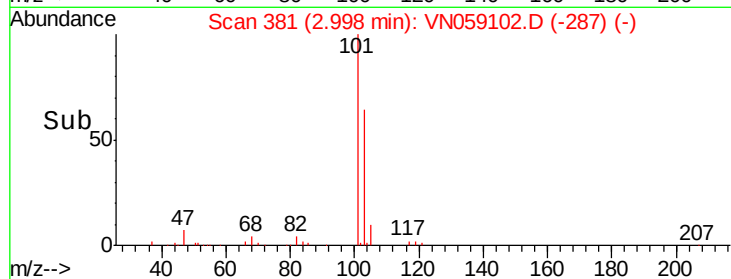
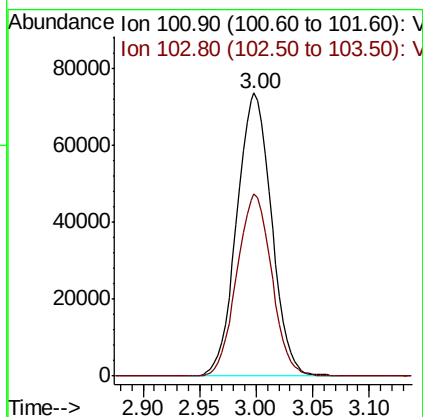
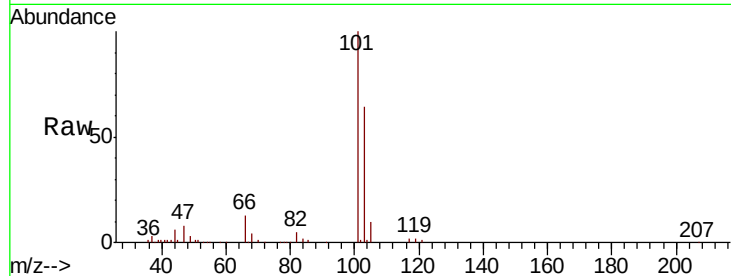


#7

Trichlorofluoromethane
Concen: 19.773 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

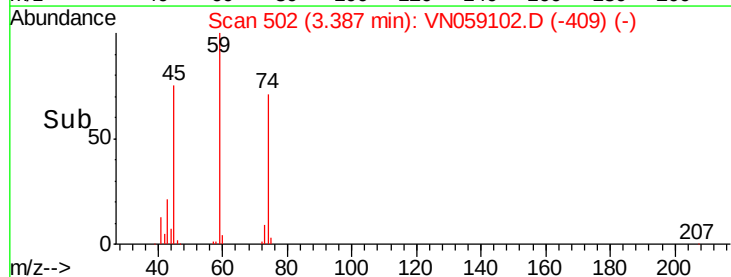
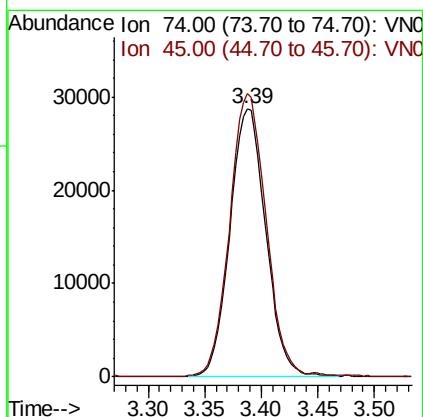
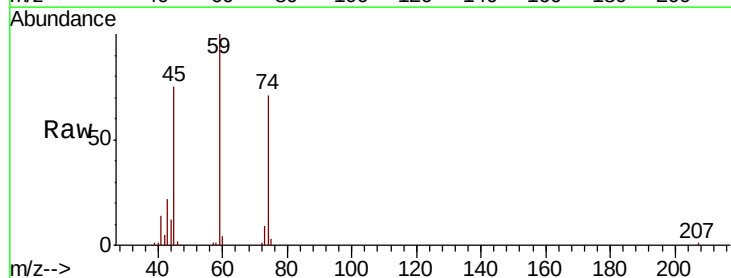
Tot Ion:101 Resp: 157503
Ion Ratio Lower Upper
101 100
103 64.2 51.2 76.8

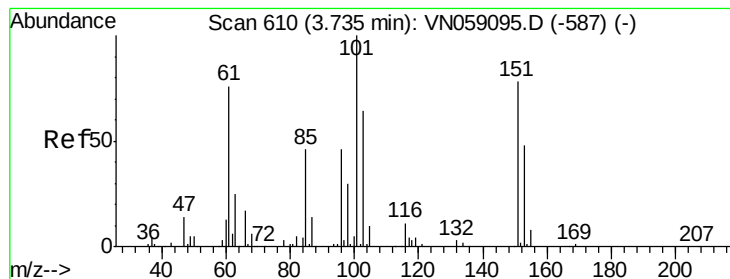


#8

Diethyl Ether
Concen: 19.655 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

Tgt Ion: 74 Resp: 63614
Ion Ratio Lower Upper
74 100
45 106.9 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.733 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

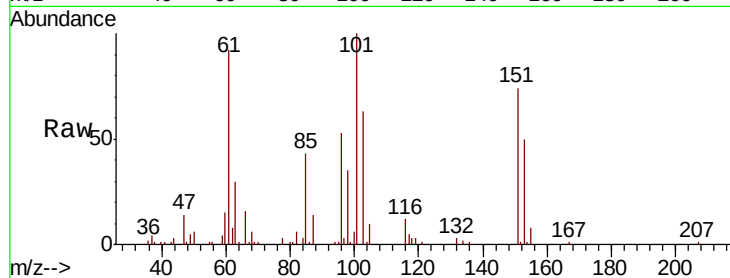
Tot Ion:101 Resp: 94773

Ion Ratio Lower Upper

101 100

85 44.0 35.5 53.3

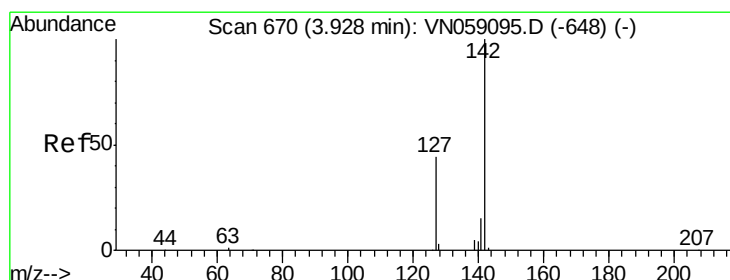
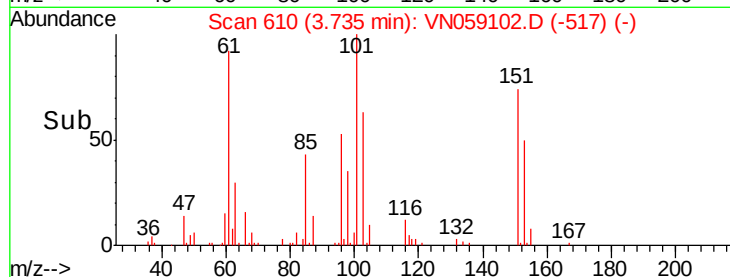
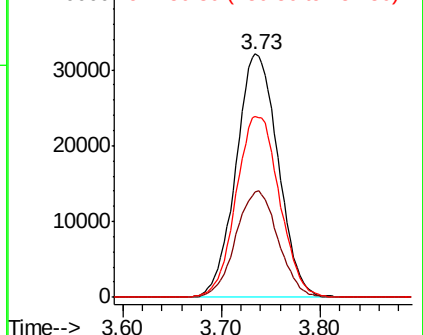
151 76.7 62.2 93.2



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: 19.216 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

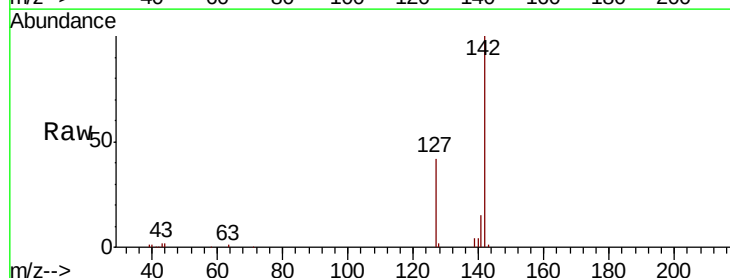
Tgt Ion:142 Resp: 114235

Ion Ratio Lower Upper

142 100

127 43.4 34.2 51.2

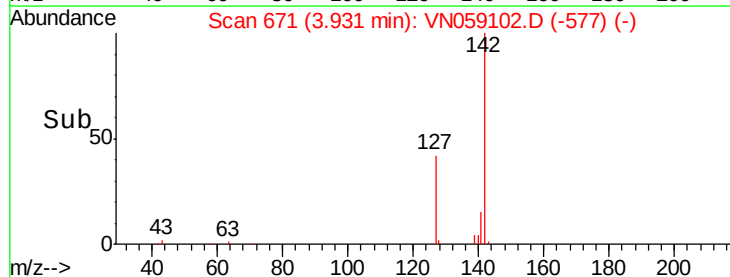
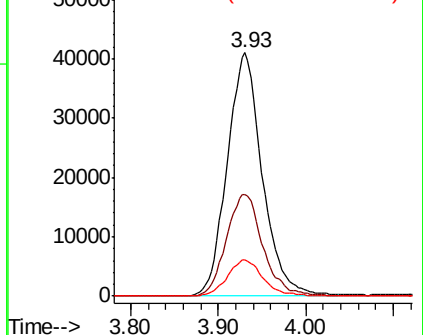
141 14.9 11.4 17.0

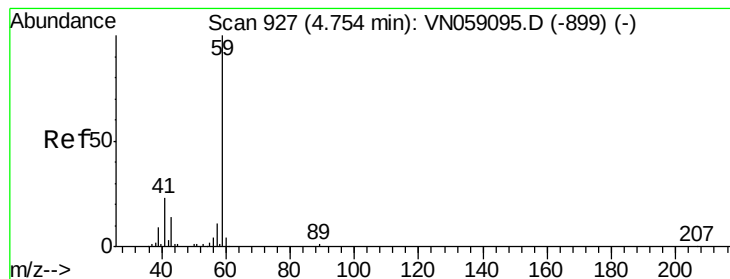


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 94.529 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

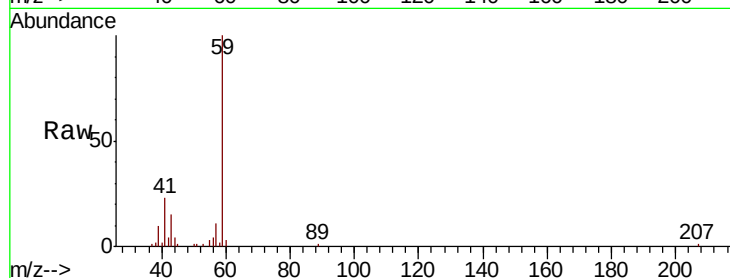
VN1106WBS01

Tot Ion: 59 Resp: 111065

Ion Ratio Lower Upper

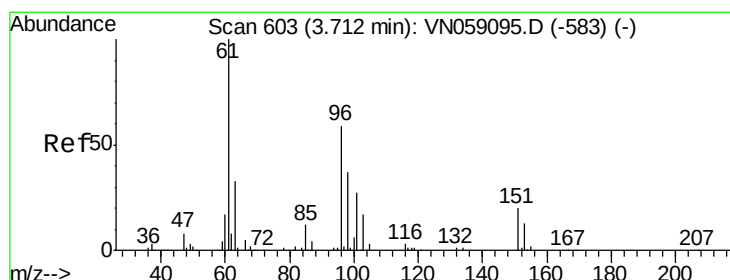
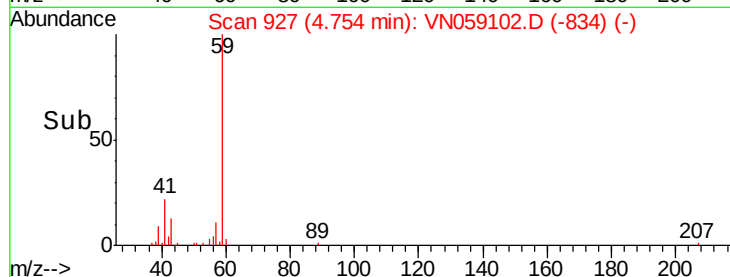
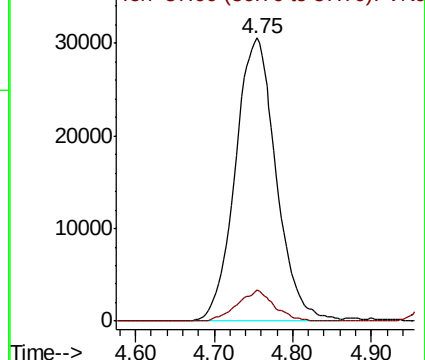
59 100

57 9.8 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 19.508 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

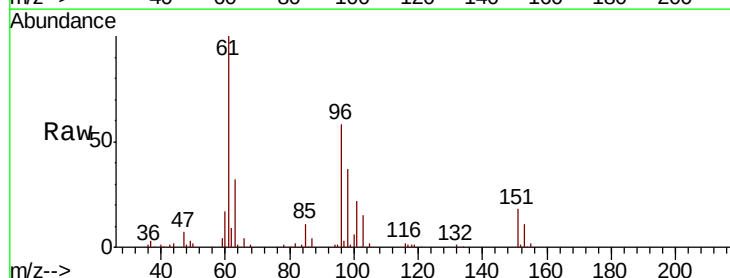
Tgt Ion: 96 Resp: 91269

Ion Ratio Lower Upper

96 100

61 173.6 136.5 204.7

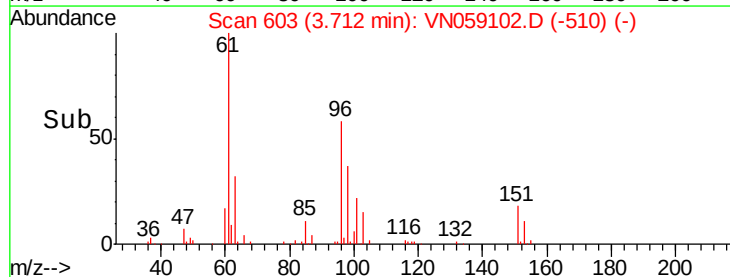
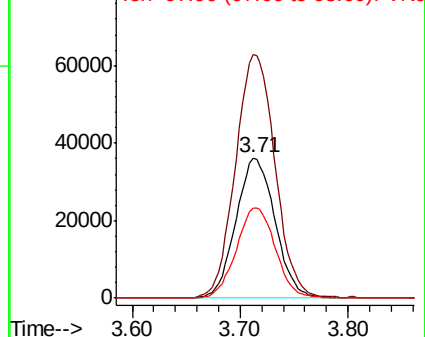
98 64.0 50.2 75.4

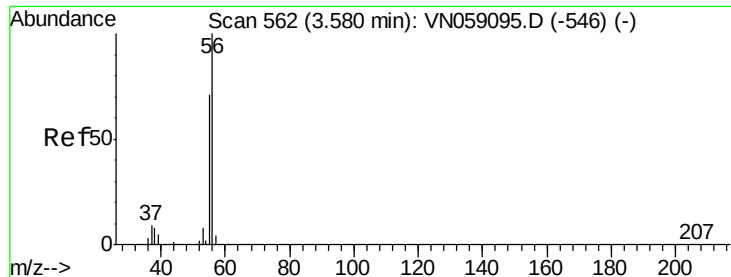


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 100.793 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampled :

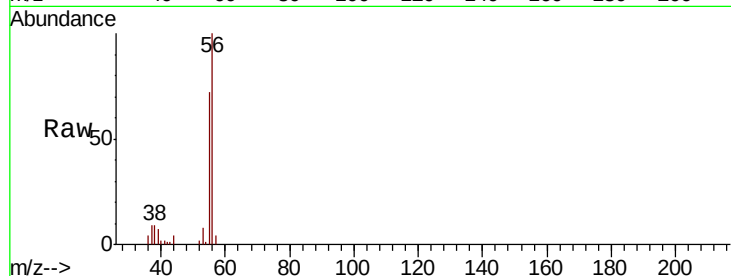
VN1106WBS01

Tot Ion: 56 Resp: 61057

Ion Ratio Lower Upper

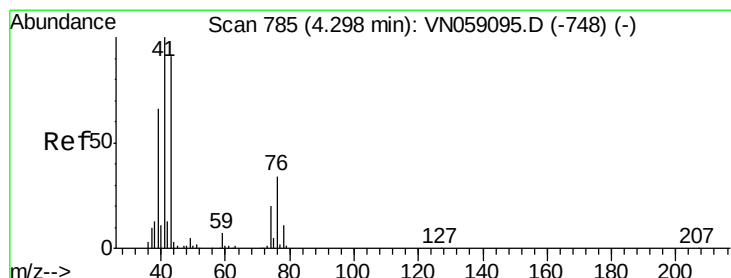
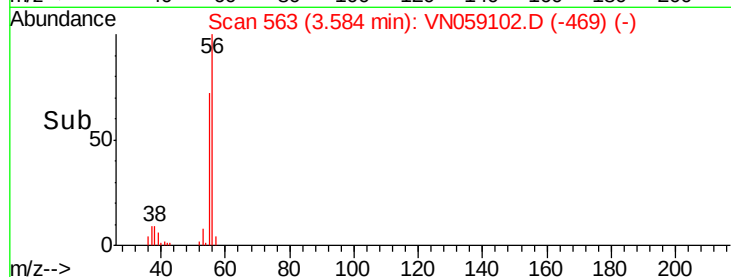
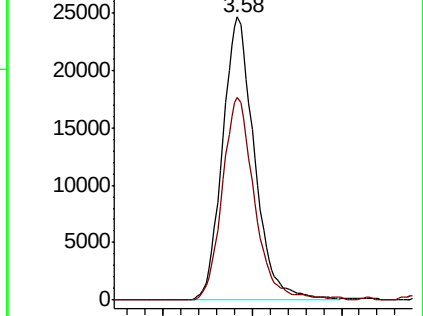
56 100

55 72.0 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.208 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

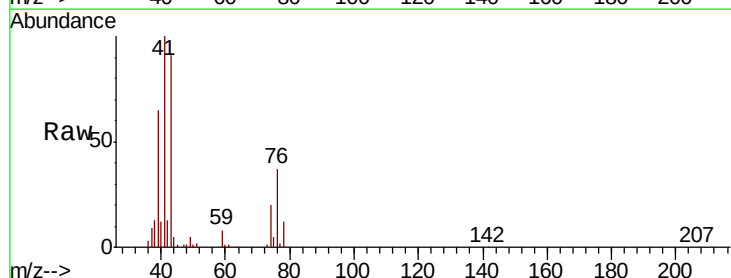
Tgt Ion: 41 Resp: 184589

Ion Ratio Lower Upper

41 100

39 60.9 49.1 73.7

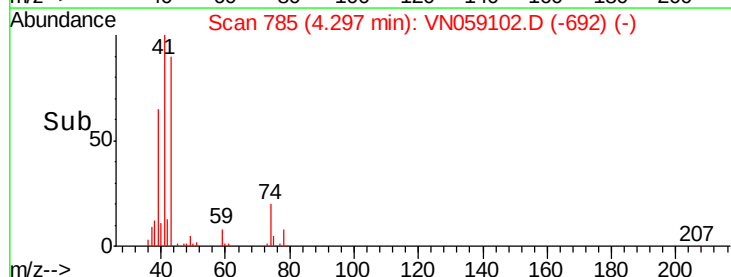
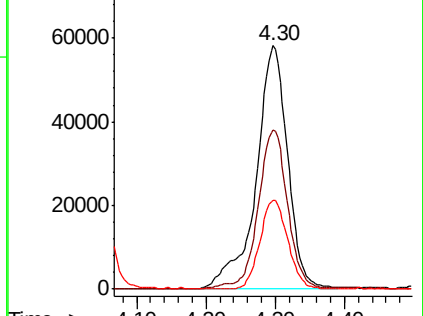
76 32.2 24.9 37.3

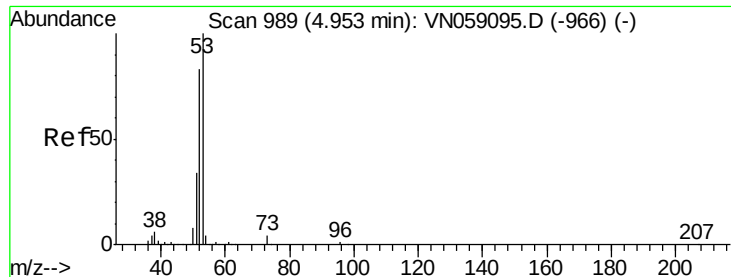


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 101.862 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

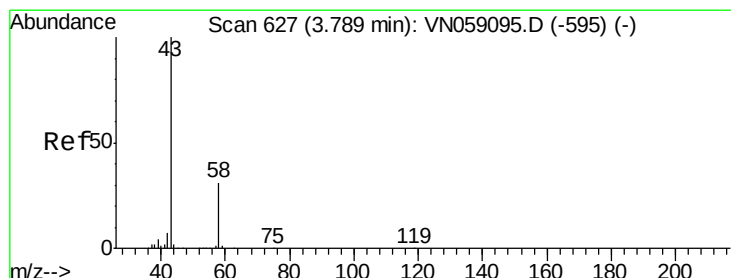
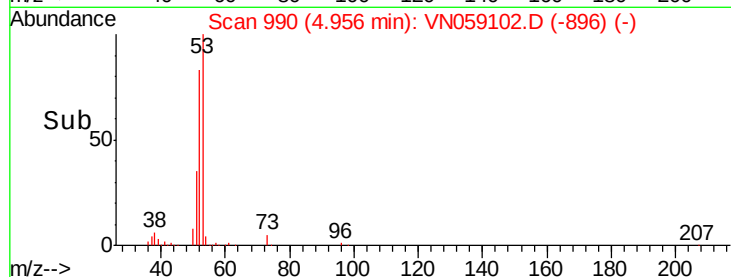
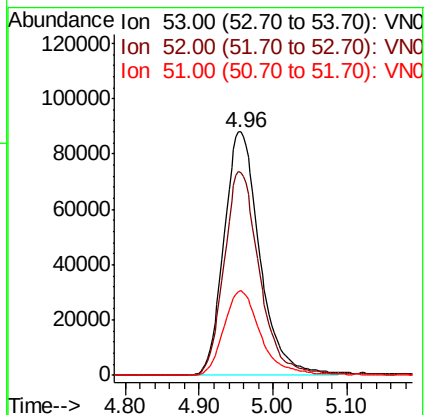
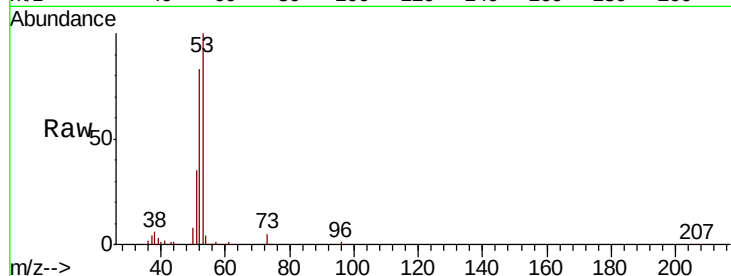
Tot Ion: 53 Resp: 297843

Ion Ratio Lower Upper

53 100

52 82.9 65.0 97.6

51 35.5 28.0 42.0



#16

Acetone

Concen: 97.299 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059102.D

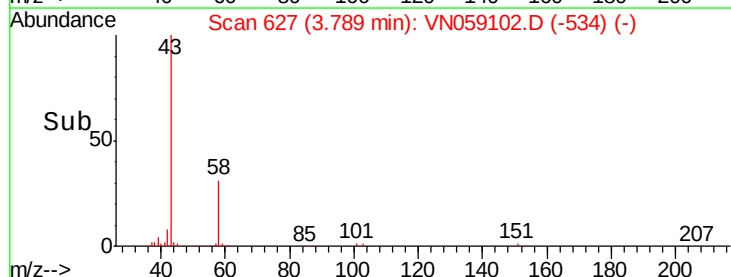
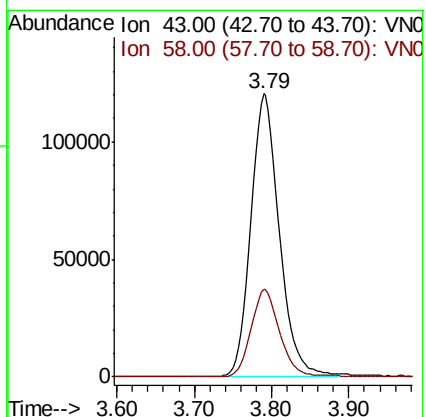
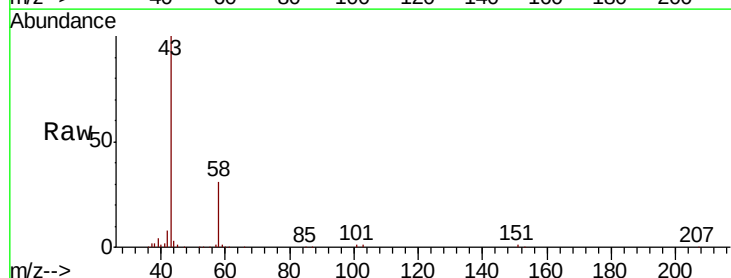
Acq: 6 Nov 2019 13:12

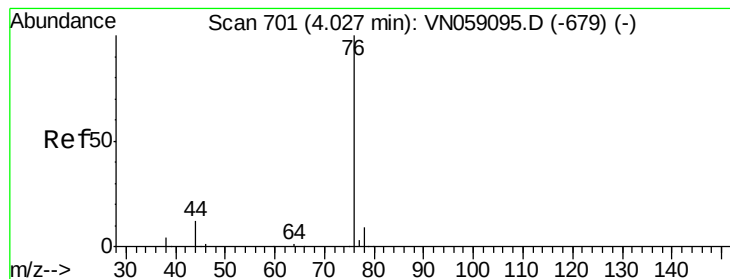
Tgt Ion: 43 Resp: 311935

Ion Ratio Lower Upper

43 100

58 31.1 24.9 37.3





#17

Carbon Disulfide

Concen: 18.948 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

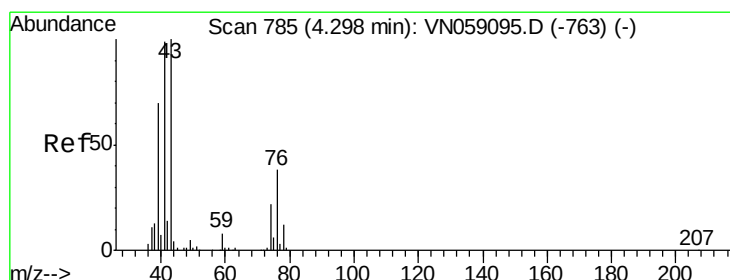
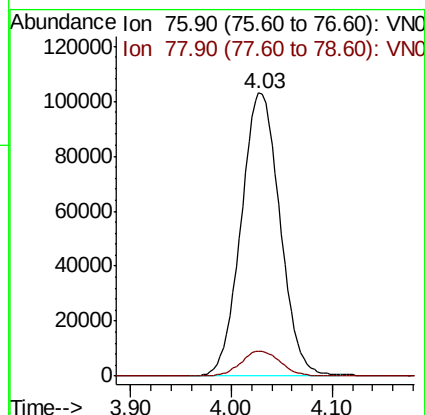
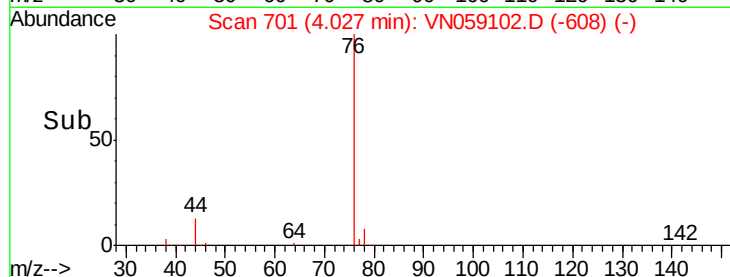
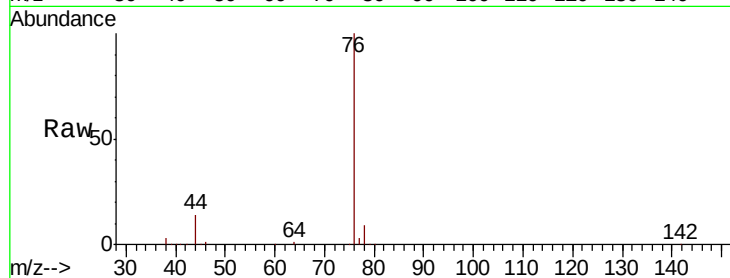
VN1106WBS01

Tot Ion: 76 Resp: 275182

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



#18

Methyl Acetate

Concen: 20.173 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059102.D

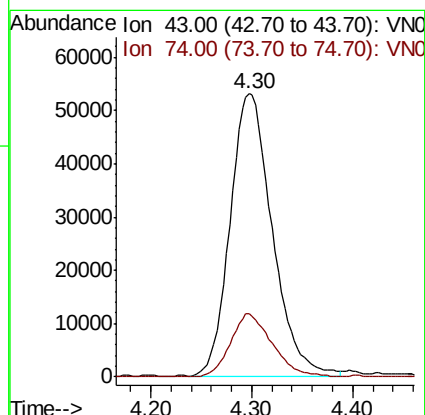
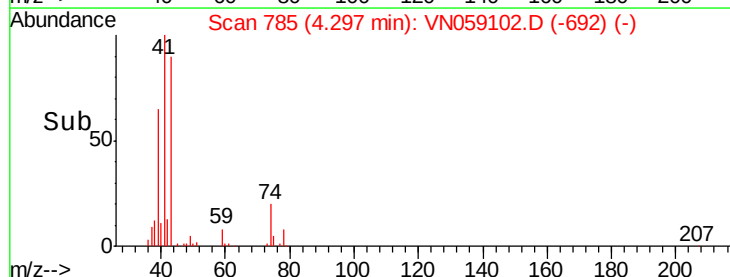
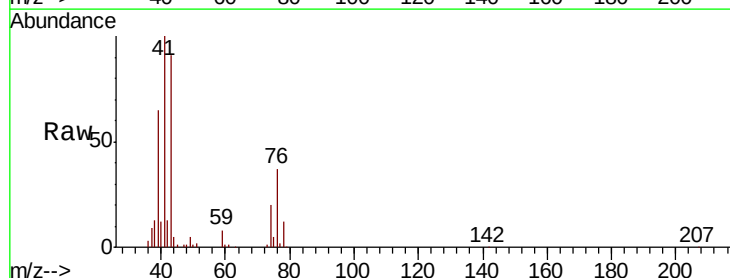
Acq: 6 Nov 2019 13:12

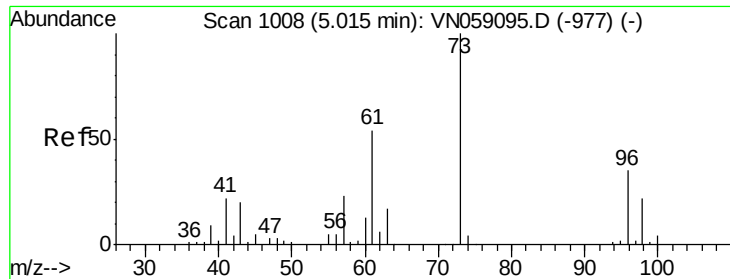
Tgt Ion: 43 Resp: 153509

Ion Ratio Lower Upper

43 100

74 22.2 17.8 26.8

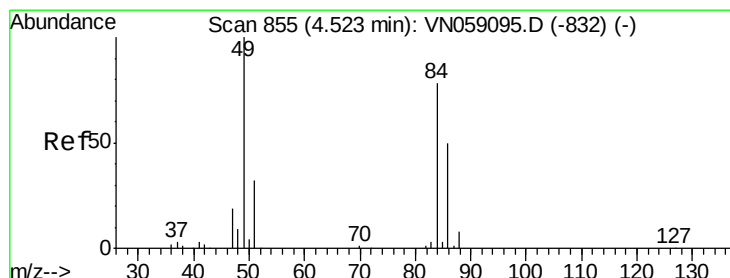
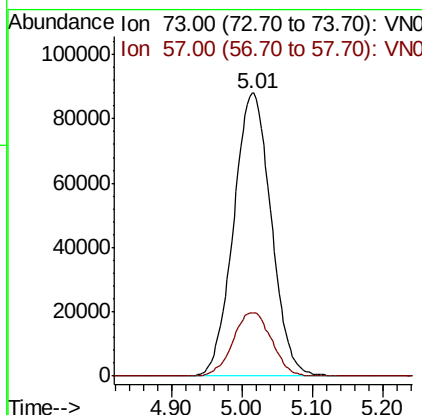
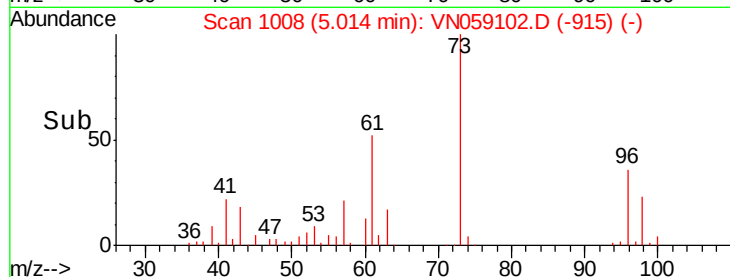
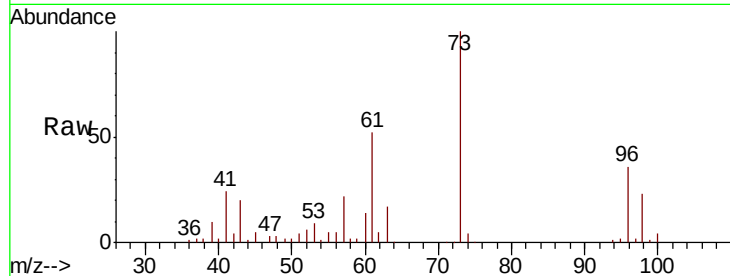




#19
Methyl tert-butyl Ether
Concen: 20.287 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

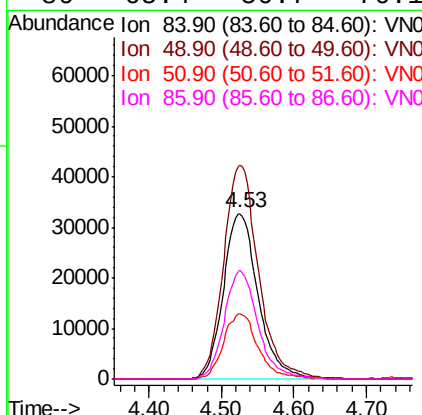
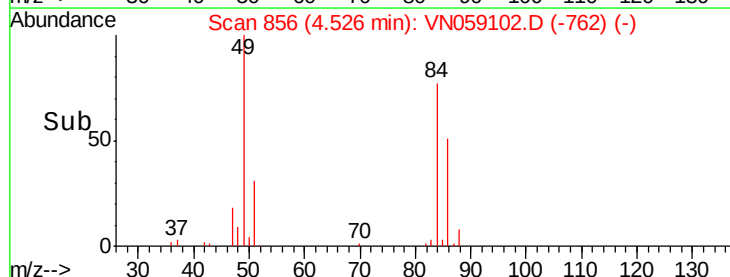
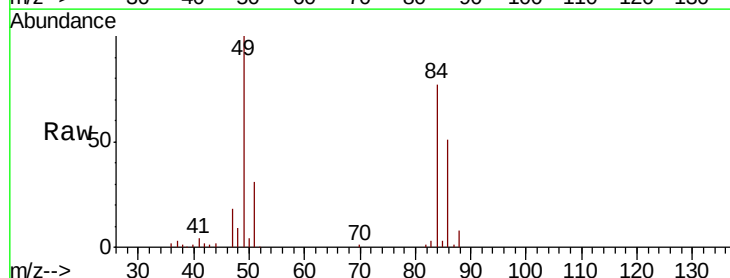
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

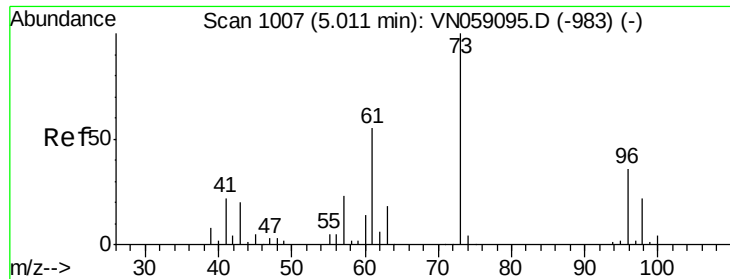
Tot Ion: 73 Resp: 326775
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6



#20
Methylene Chloride
Concen: 19.535 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

Tgt Ion: 84 Resp: 109108
Ion Ratio Lower Upper
84 100
49 129.2 102.0 153.0
51 39.7 32.2 48.2
86 65.4 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 19.619 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

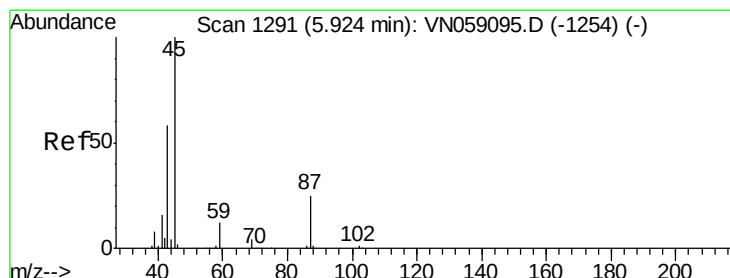
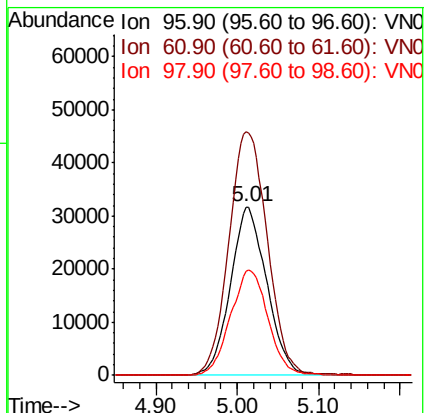
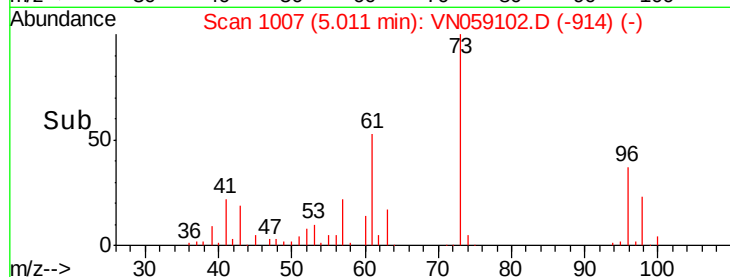
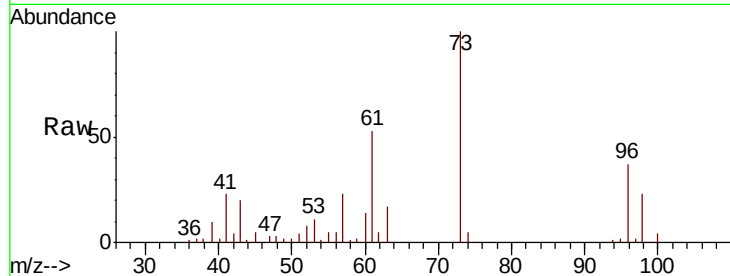
Tot Ion: 96 Resp: 98526

Ion Ratio Lower Upper

96 100

61 144.5 122.6 183.8

98 61.7 50.3 75.5



#22

Diisopropyl ether

Concen: 20.266 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Tgt Ion: 45 Resp: 367871

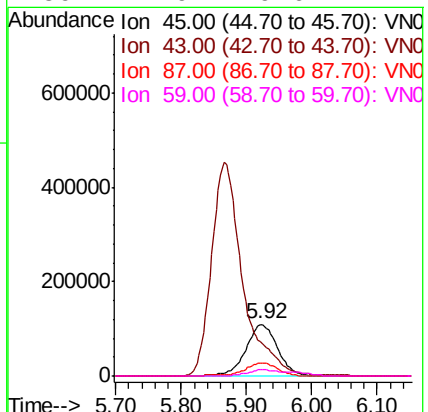
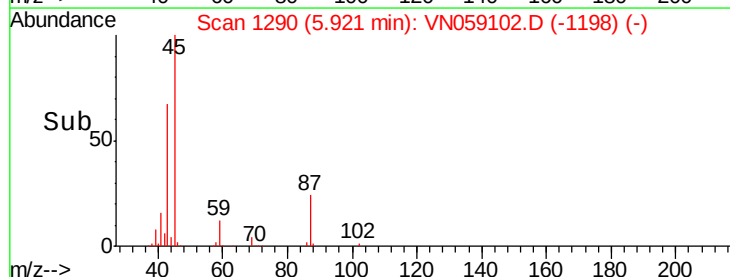
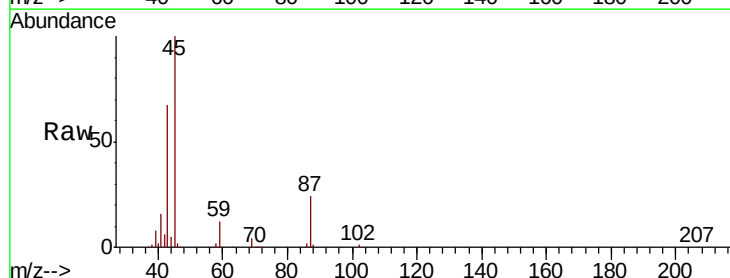
Ion Ratio Lower Upper

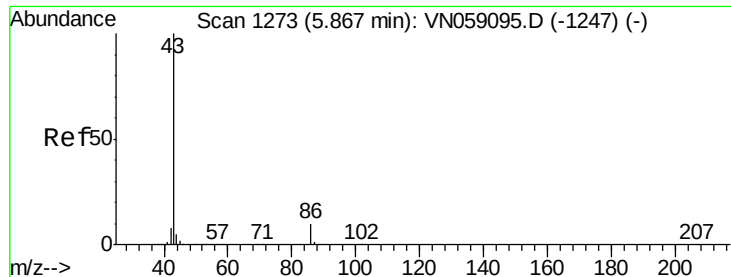
45 100

43 65.3 46.7 70.1

87 24.5 20.5 30.7

59 11.9 9.6 14.4





#23

Vinyl Acetate

Concen: 107.311 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

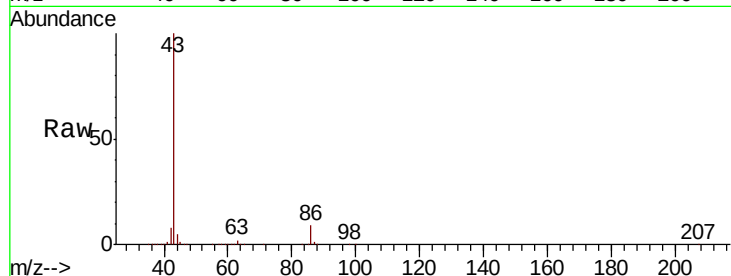
VN1106WBS01

Tot Ion: 43 Resp: 1509681

Ion Ratio Lower Upper

43 100

86 9.3 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

400000

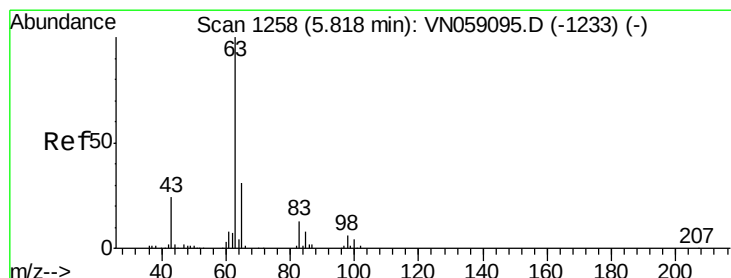
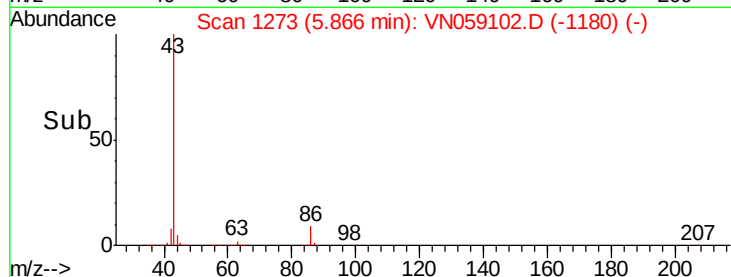
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.726 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

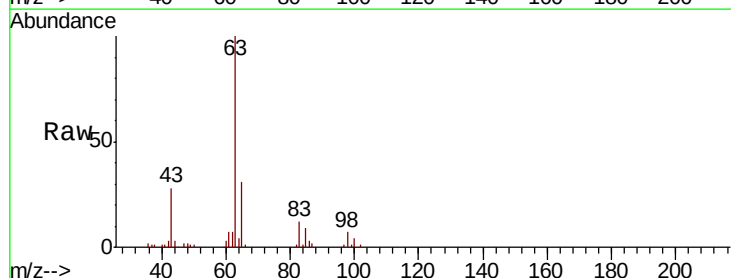
Tgt Ion: 63 Resp: 199994

Ion Ratio Lower Upper

63 100

98 6.6 2.8 8.4

100 3.5 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

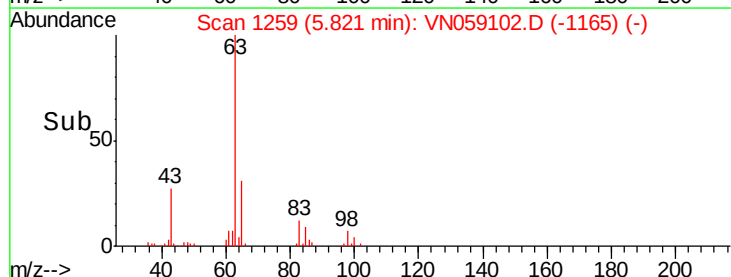
60000

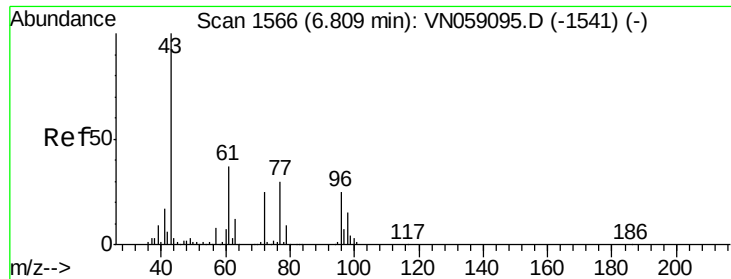
40000

20000

0

Time--> 5.70 5.80 5.90

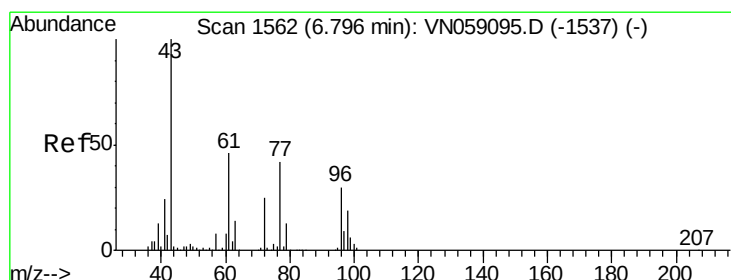
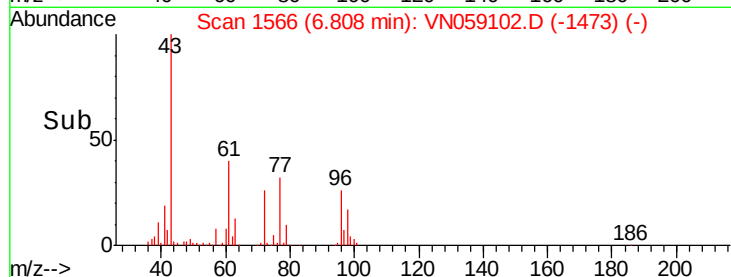
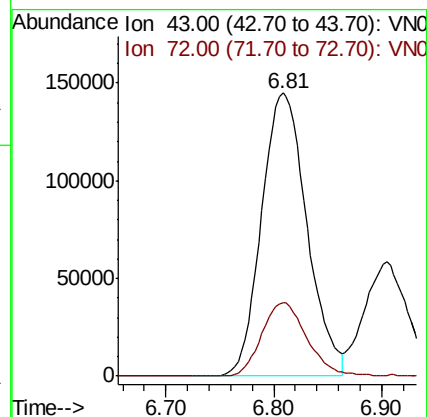
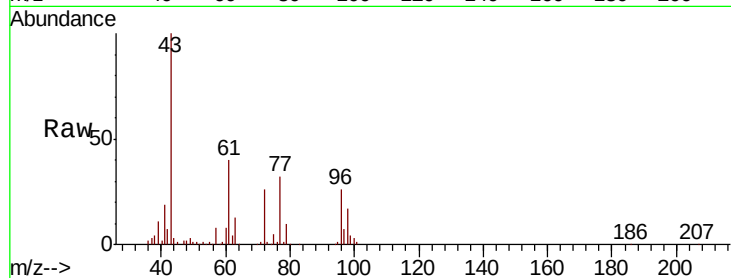




#25
2-Butanone
Concen: 99.729 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

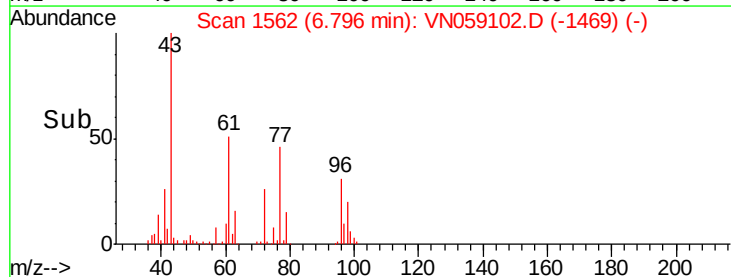
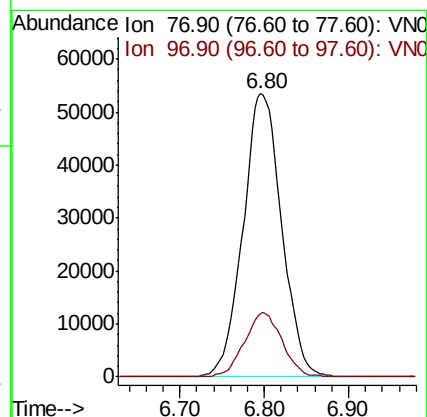
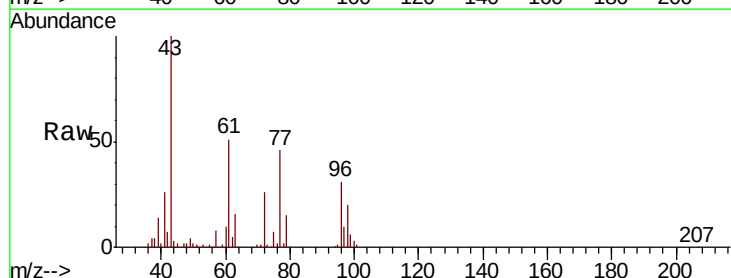
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

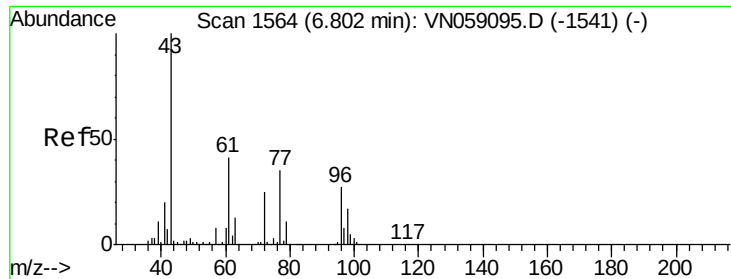
Tot Ion: 43 Resp: 421381
Ion Ratio Lower Upper
43 100
72 26.2 20.3 30.5



#26
2,2-Dichloropropane
Concen: 19.182 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

Tgt Ion: 77 Resp: 170050
Ion Ratio Lower Upper
77 100
97 22.0 11.2 33.6

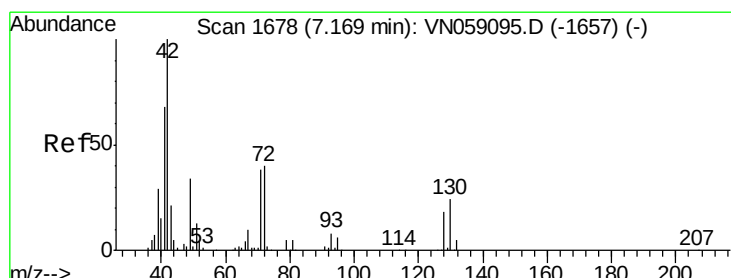
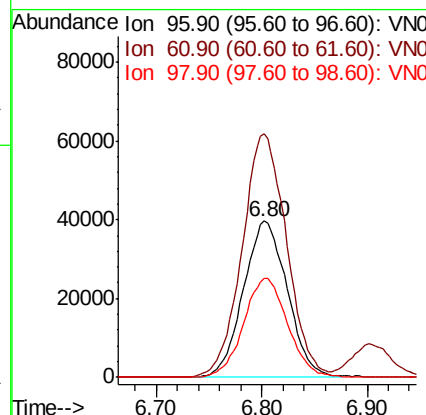
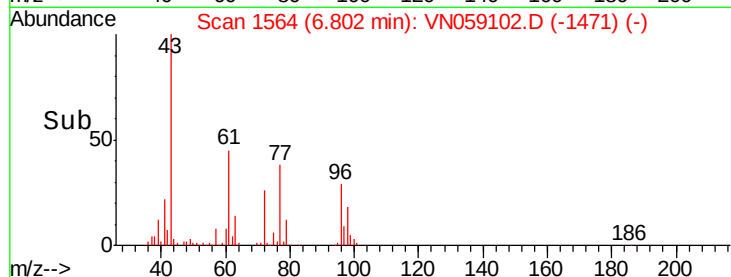
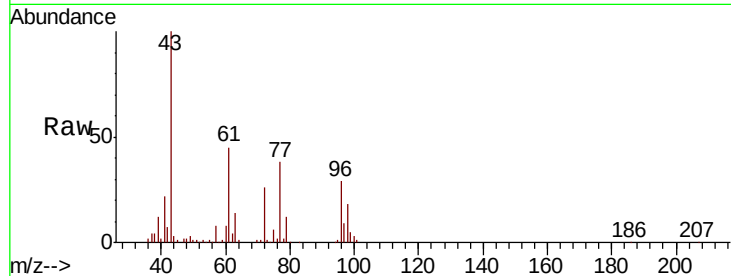




#27
 cis-1,2-Dichloroethene
 Concen: 19.760 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN059102.D
 Acq: 6 Nov 2019 13:12

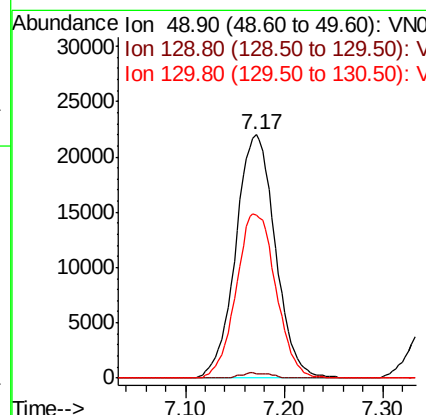
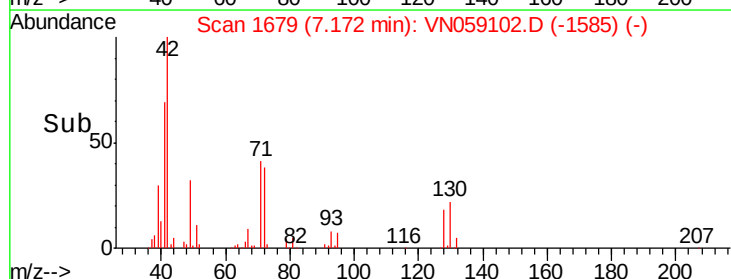
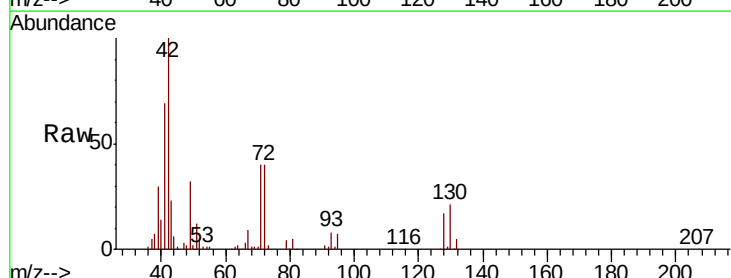
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

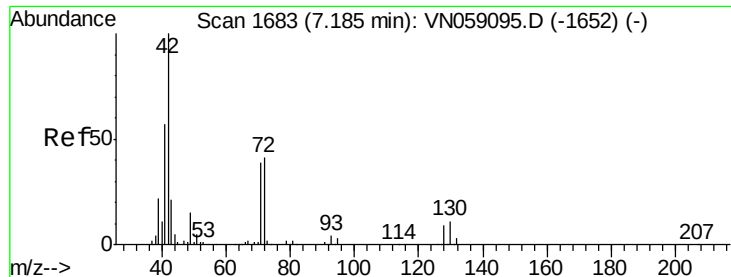
Tot Ion	Ratio	Lower	Upper
96	100		
61	156.8	0.0	311.6
98	63.5	0.0	129.8



#28
 Bromochloromethane
 Concen: 20.073 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: VN059102.D
 Acq: 6 Nov 2019 13:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	67.6	55.6	83.4

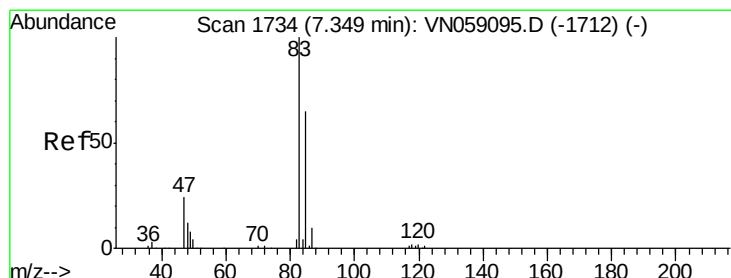
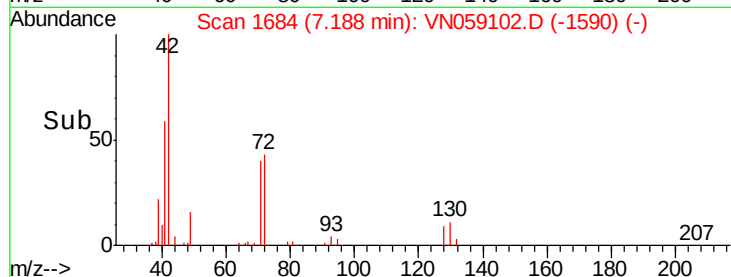
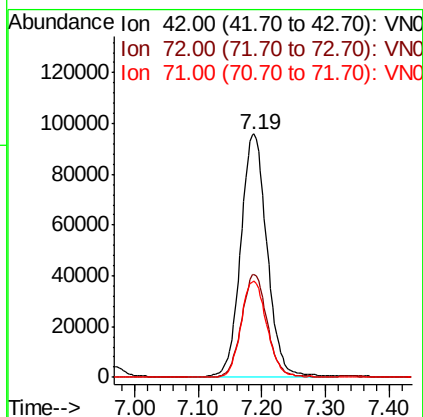
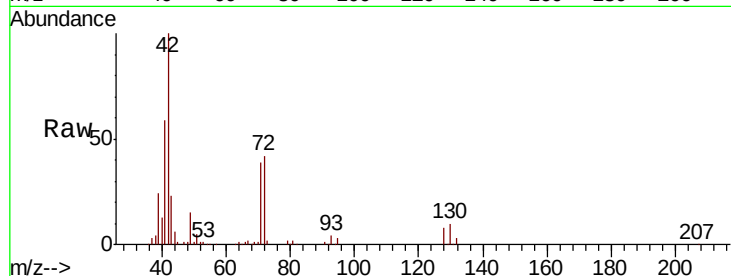




#29
Tetrahydrofuran
Concen: 102.991 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

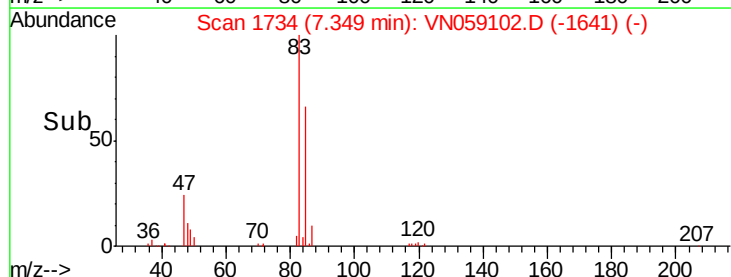
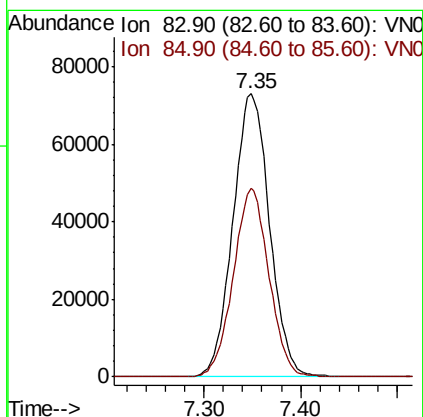
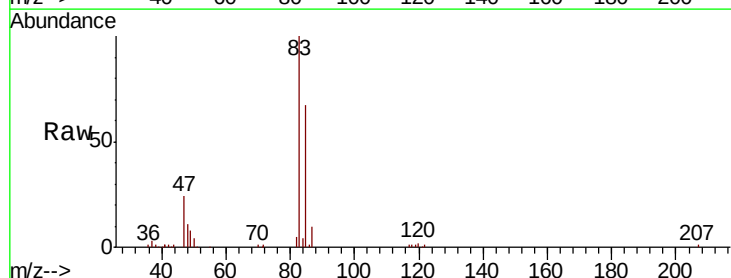
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

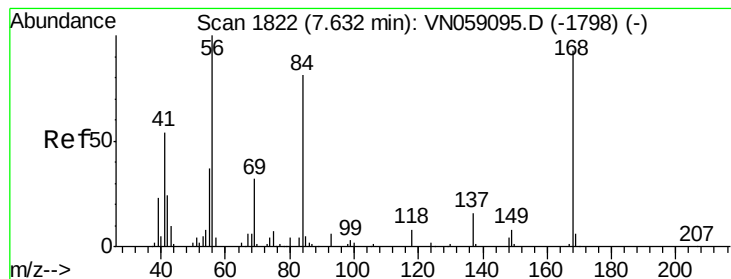
Tot Ion: 42 Resp: 276501
Ion Ratio Lower Upper
42 100
72 41.2 33.1 49.7
71 38.7 30.9 46.3



#30
Chloroform
Concen: 19.753 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

Tgt Ion: 83 Resp: 192111
Ion Ratio Lower Upper
83 100
85 66.7 51.8 77.8





#31

Cyclohexane

Concen: 19.469 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

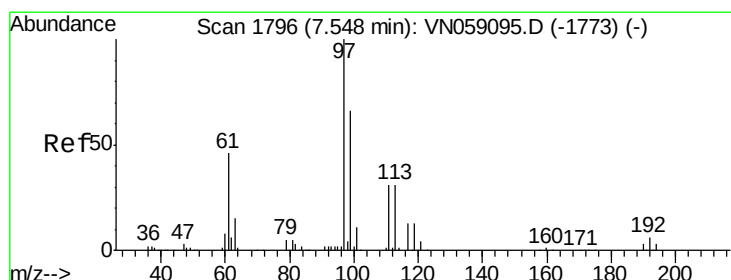
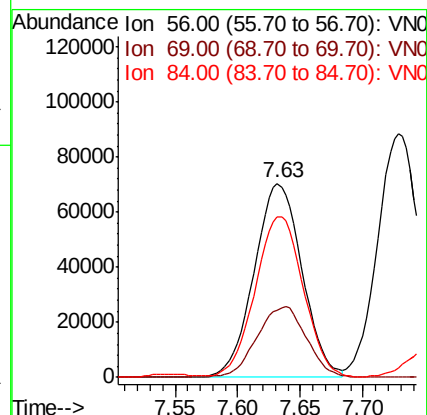
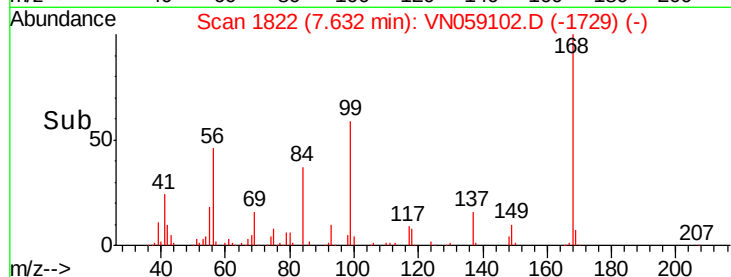
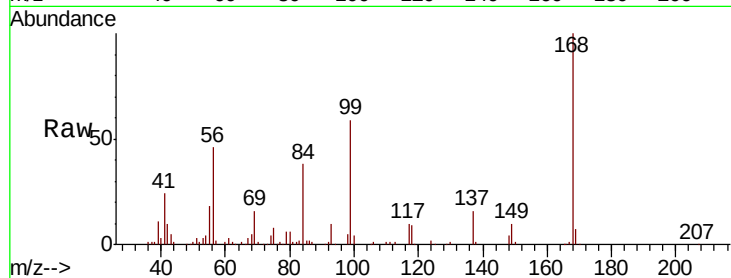
Tot Ion: 56 Resp: 186860

Ion Ratio Lower Upper

56 100

69 34.8 25.8 38.8

84 81.5 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 20.024 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

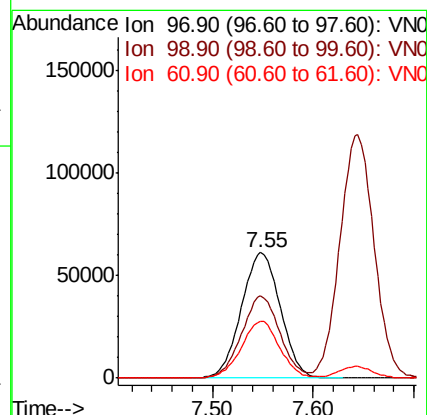
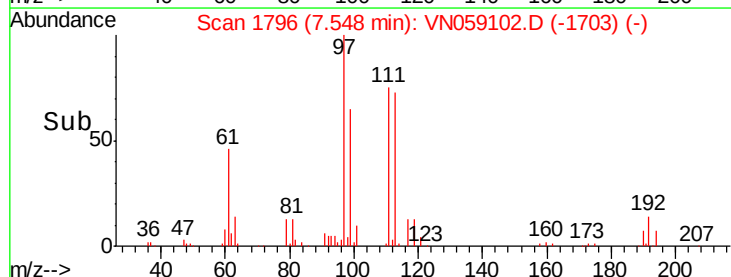
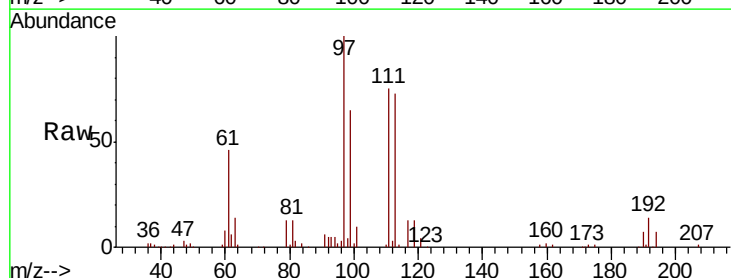
Tgt Ion: 97 Resp: 163731

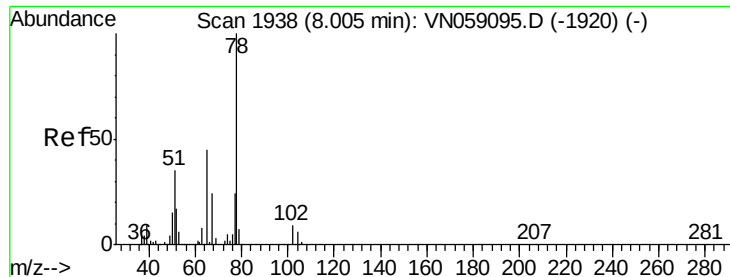
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.6

61 44.7 35.8 53.8

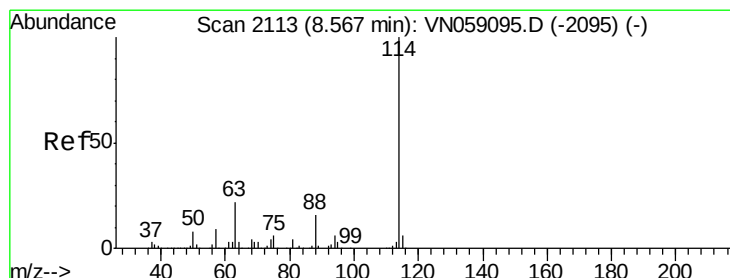
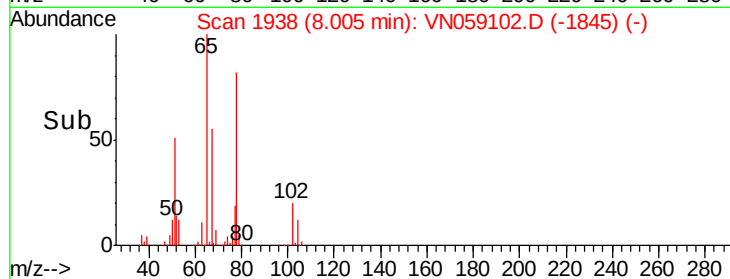
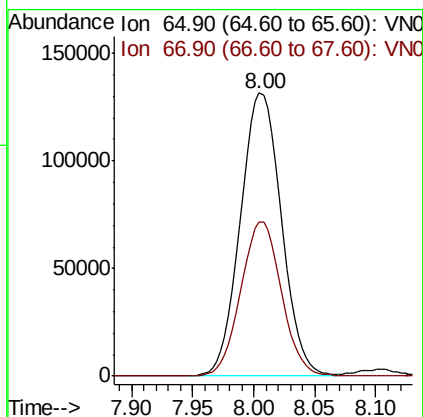
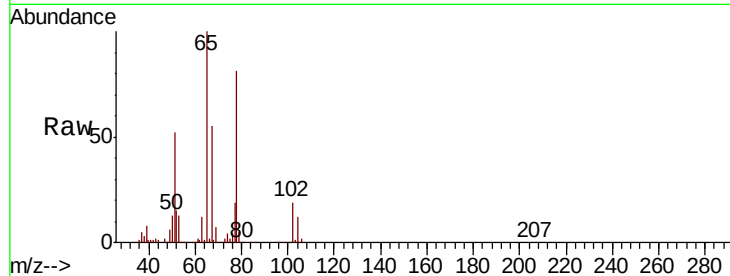




#33
 1,2-Dichloroethane-d4
 Concen: 49.791 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059102.D
 Acq: 6 Nov 2019 13:12

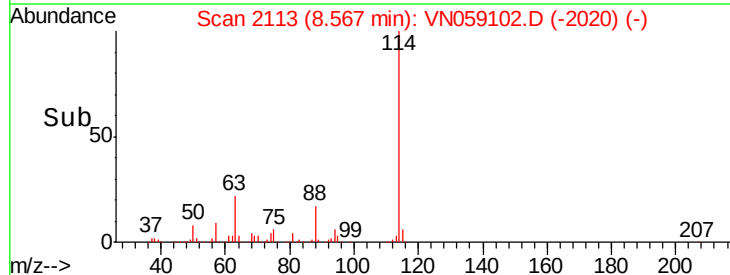
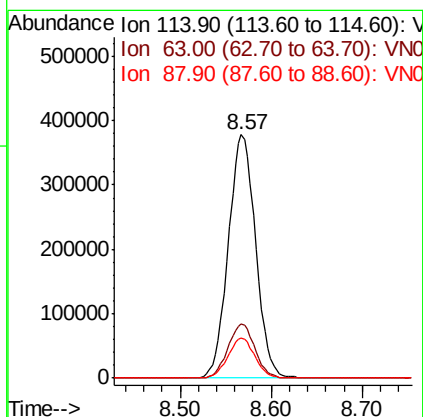
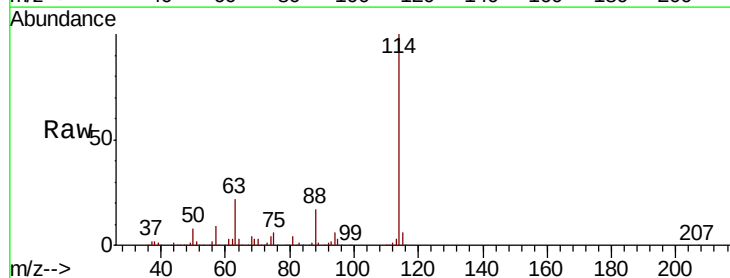
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

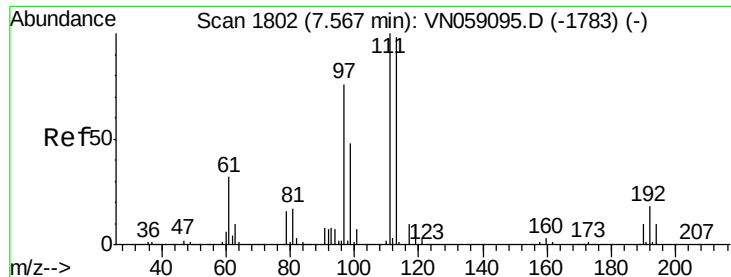
Tot Ion: 65 Resp: 306963
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059102.D
 Acq: 6 Nov 2019 13:12

Tgt Ion: 114 Resp: 786472
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.4
 88 16.5 0.0 32.2

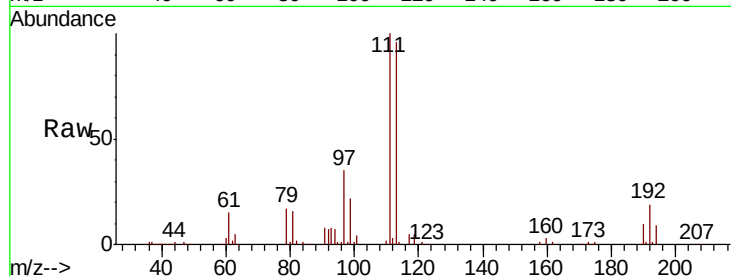




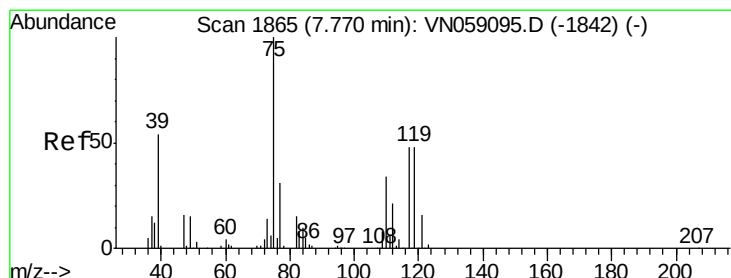
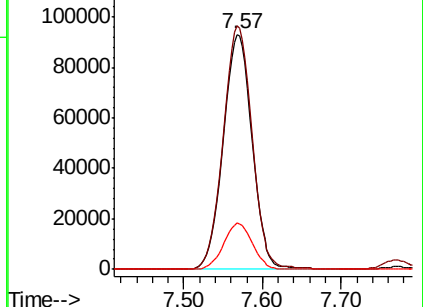
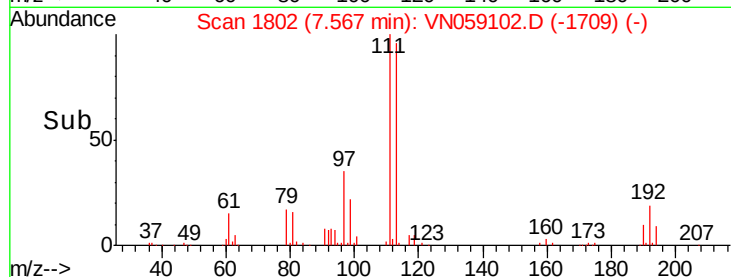
#35
 Dibromofluoromethane
 Concen: 50.217 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059102.D
 Acq: 6 Nov 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

Tot Ion:113 Resp: 235819
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.8 124.2
 192 19.6 16.1 24.1

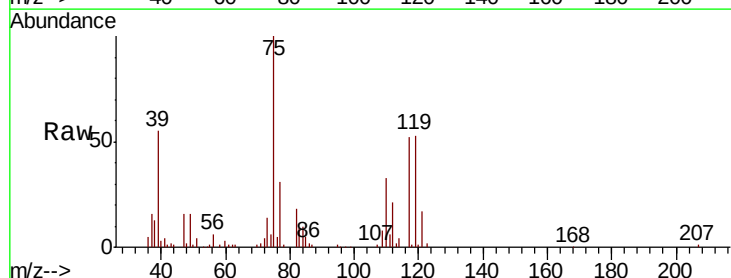


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

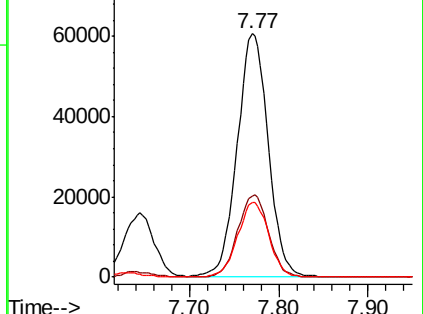
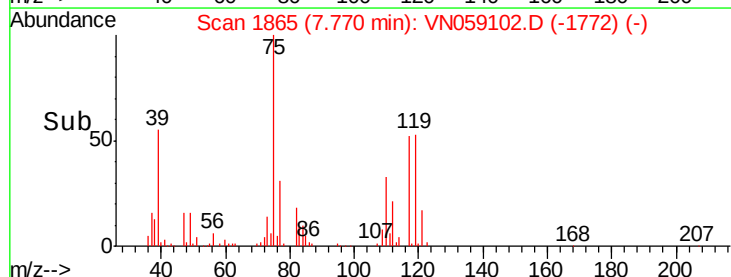


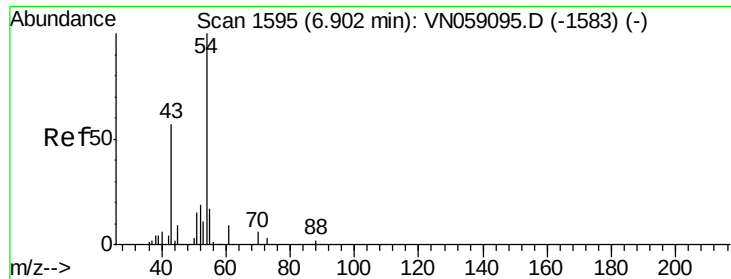
#36
 1,1-Dichloropropene
 Concen: 20.002 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059102.D
 Acq: 6 Nov 2019 13:12

Tgt Ion: 75 Resp: 147042
 Ion Ratio Lower Upper
 75 100
 110 33.2 17.1 51.2
 77 30.9 24.8 37.2



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

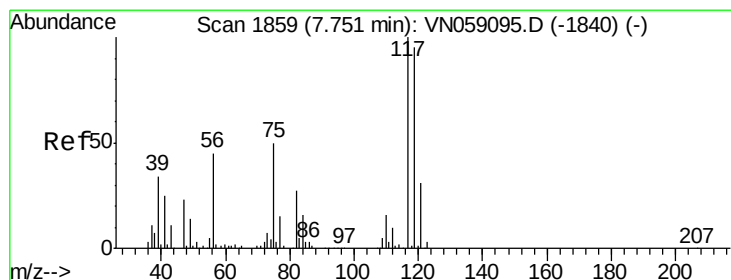
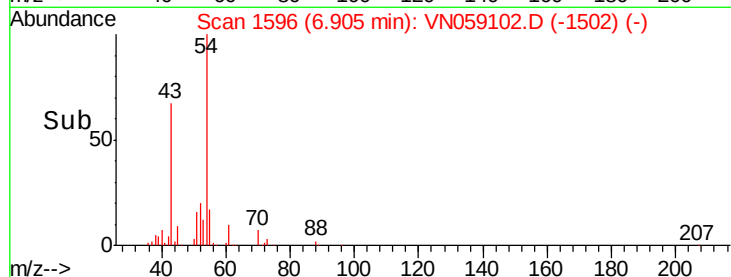
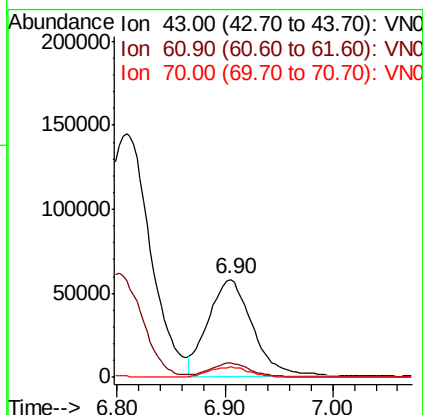
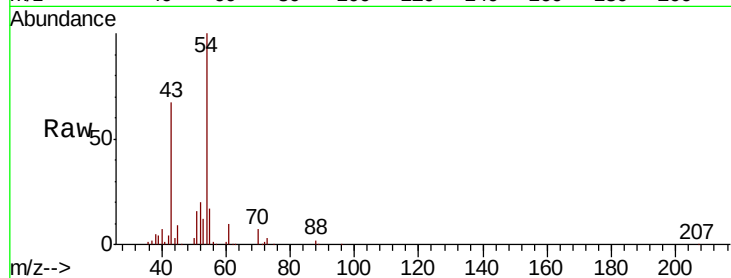




#37
Ethyl Acetate
Concen: 20.040 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

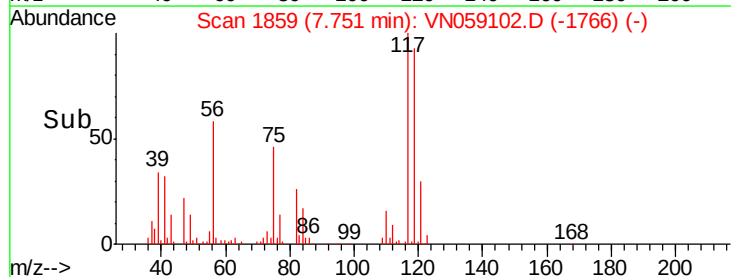
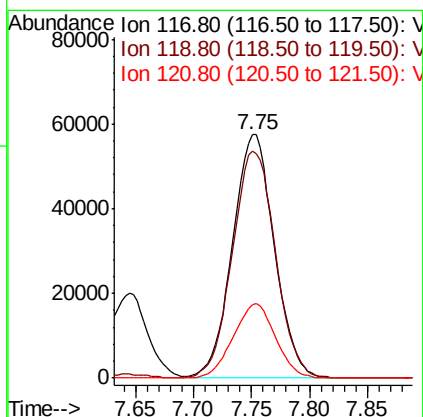
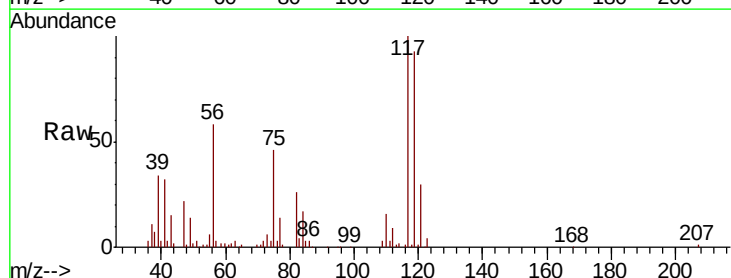
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

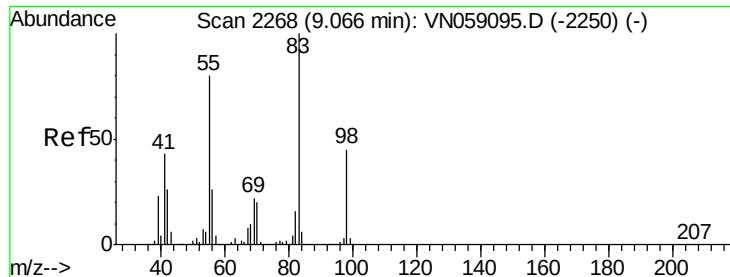
Tot Ion: 43 Resp: 163891
Ion Ratio Lower Upper
43 100
61 13.5 11.2 16.8
70 10.2 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.752 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

Tgt Ion: 117 Resp: 144524
Ion Ratio Lower Upper
117 100
119 93.3 75.6 113.4
121 30.3 24.6 36.8

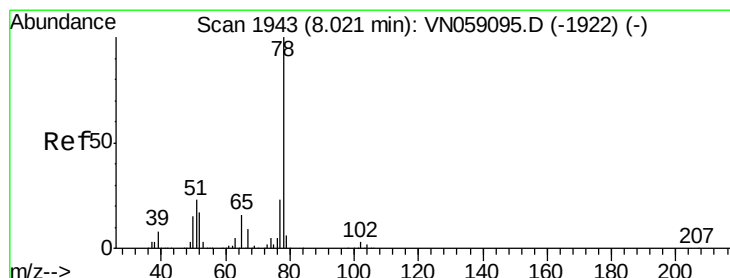
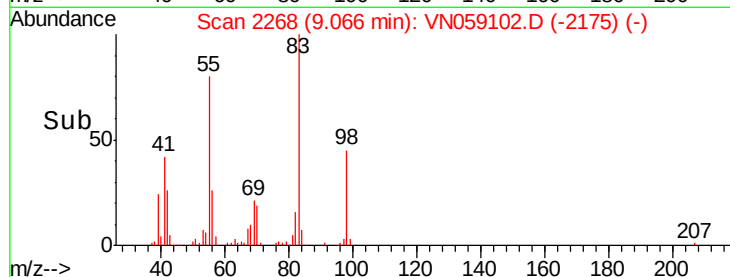
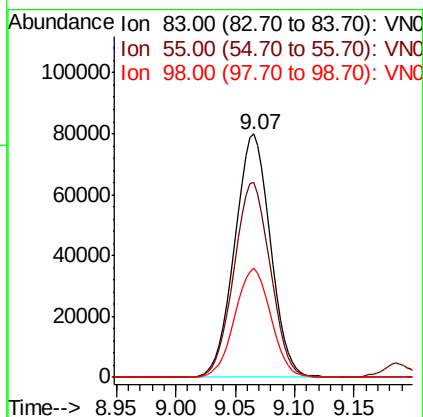
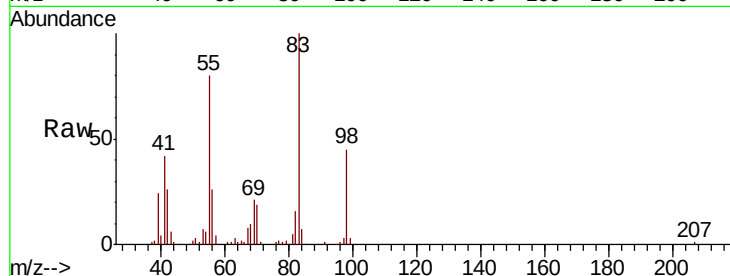




#39
Methylvlcyclohexane
Concen: 19.534 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

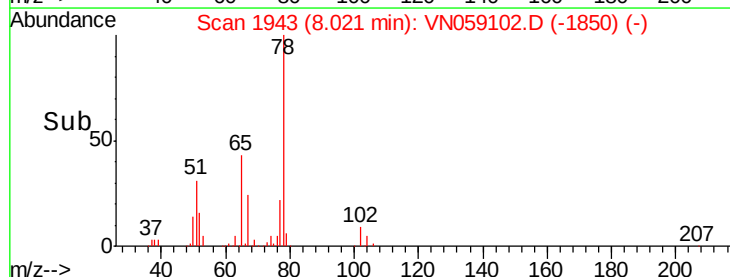
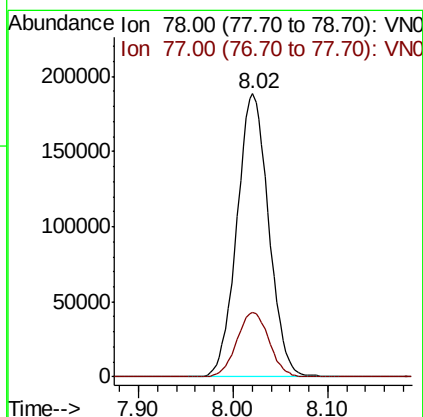
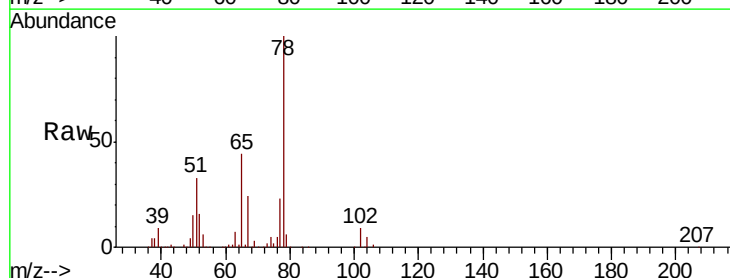
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

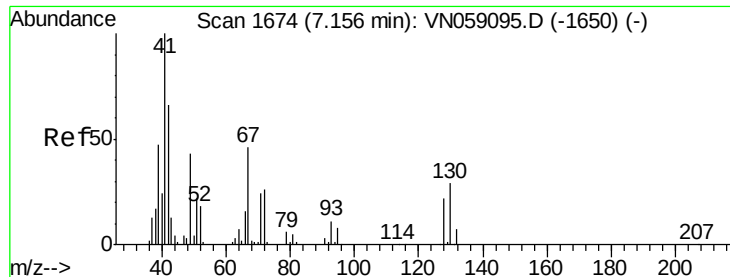
Tot Ion: 83 Resp: 166657
Ion Ratio Lower Upper
83 100
55 80.1 63.9 95.9
98 44.6 35.6 53.4



#40
Benzene
Concen: 19.925 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

Tgt Ion: 78 Resp: 441091
Ion Ratio Lower Upper
78 100
77 22.6 18.8 28.2

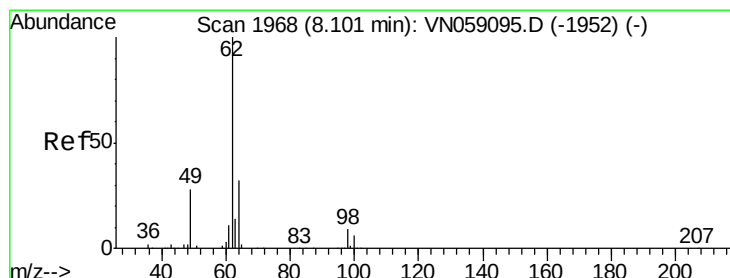
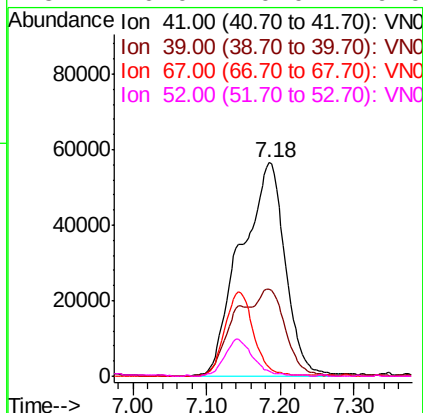
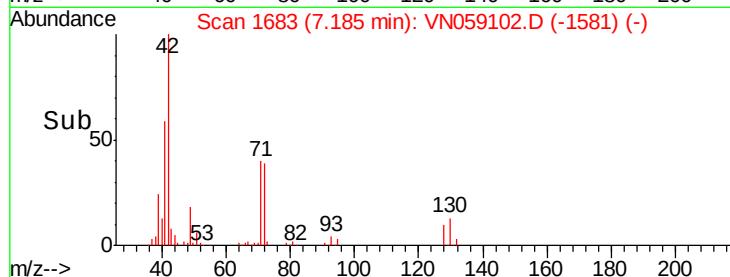
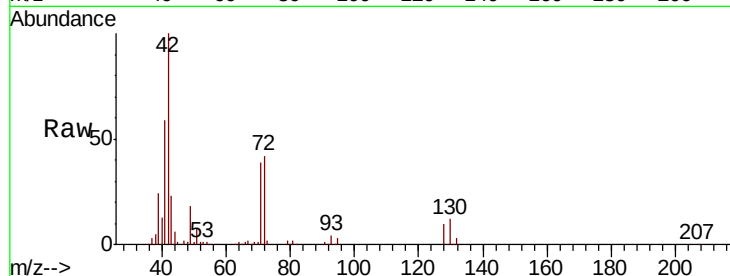




#41
Methacrylonitrile
Concen: 66.785 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

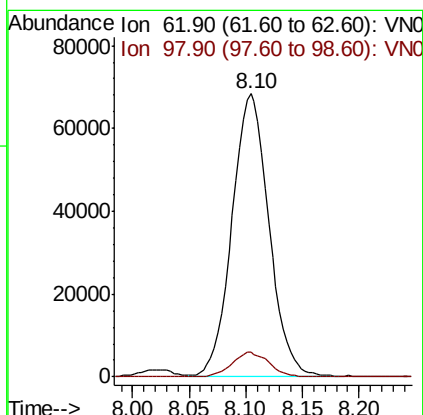
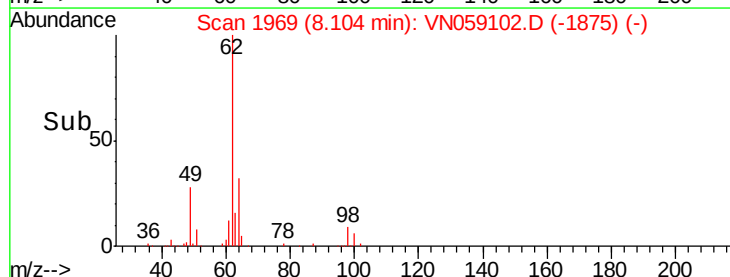
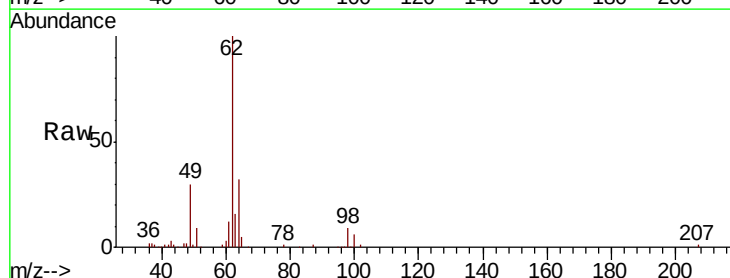
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

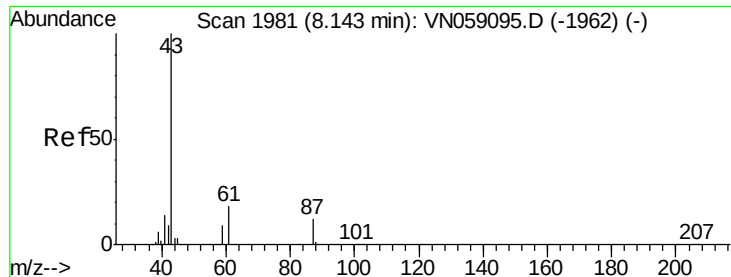
Tot Ion:	41	Resp:	237496
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 20.415 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

Tgt Ion:	62	Resp:	154998
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.645 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

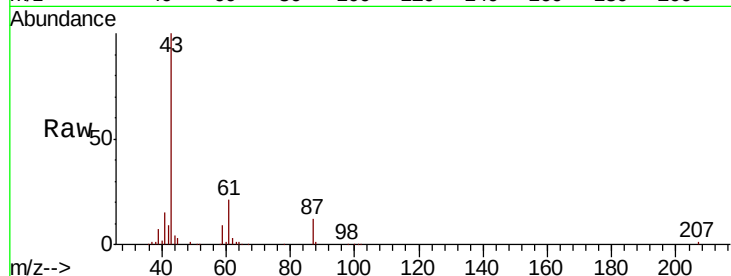
Tot Ion: 43 Resp: 256127

Ion Ratio Lower Upper

43 100

61 21.3 21.0 31.6

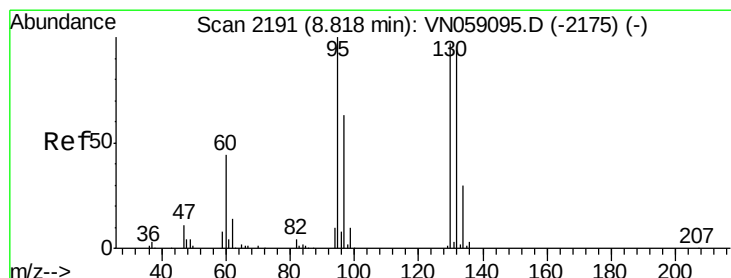
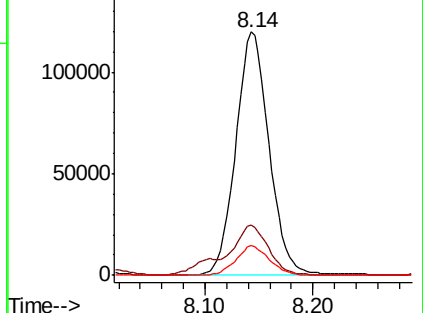
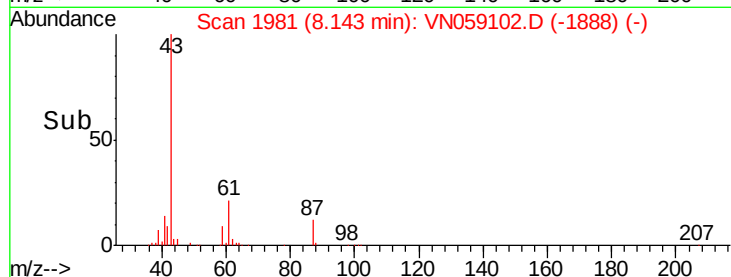
87 12.2 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059102.D (-1888) (-)

Ion 61.00 (60.70 to 61.70): VN059102.D (-1888) (-)

Ion 87.00 (86.70 to 87.70): VN059102.D (-1888) (-)



#44

Trichloroethene

Concen: 19.656 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059102.D

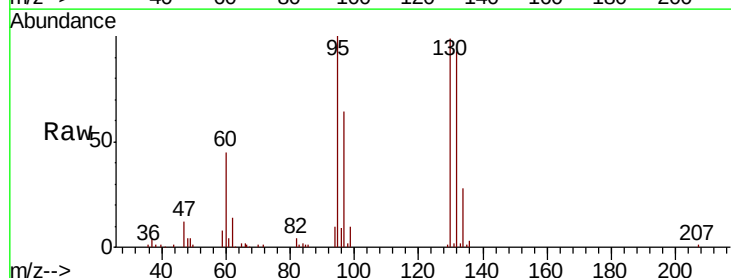
Acq: 6 Nov 2019 13:12

Tgt Ion:130 Resp: 106959

Ion Ratio Lower Upper

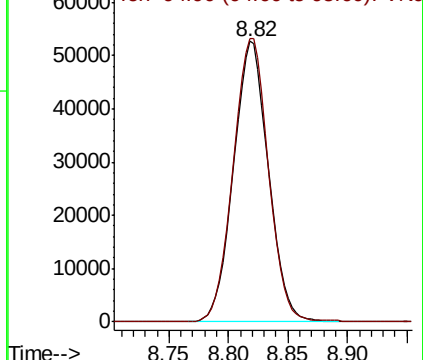
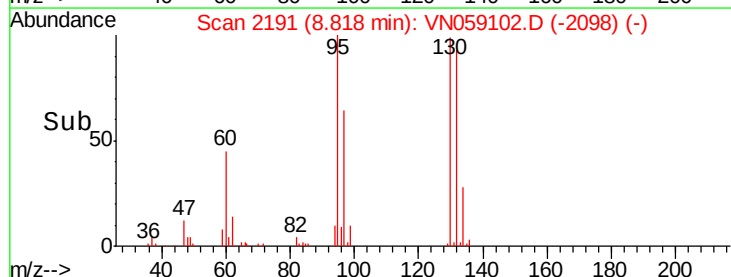
130 100

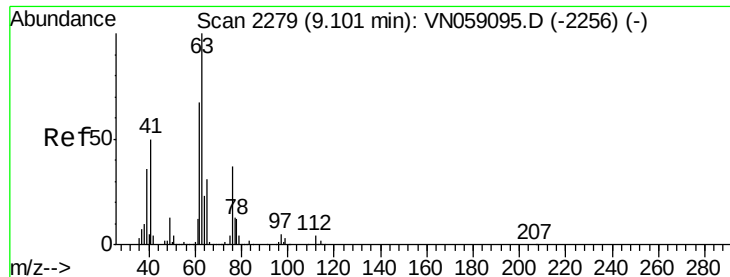
95 100.9 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059102.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059102.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 20.301 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

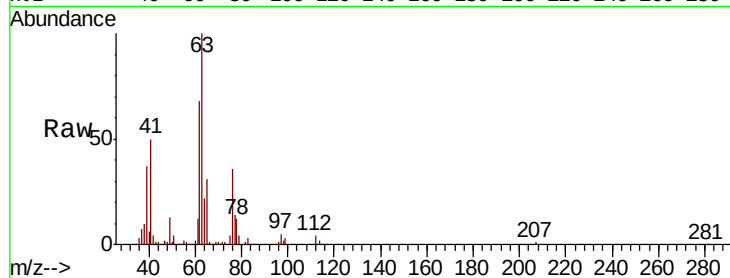
VN1106WBS01

Tot Ion: 63 Resp: 122065

Ion Ratio Lower Upper

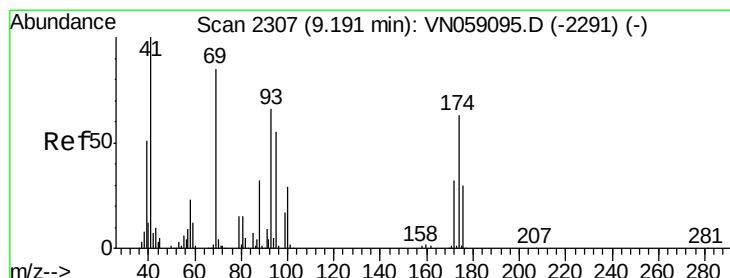
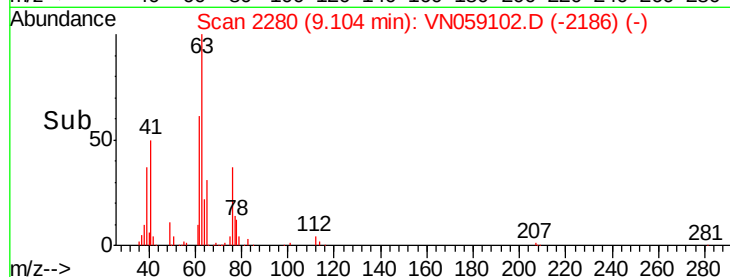
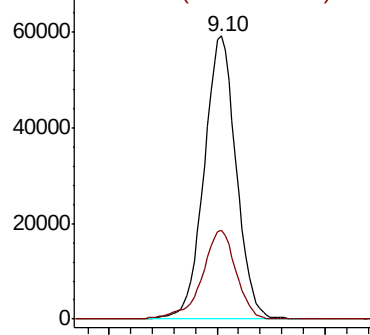
63 100

65 31.3 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.820 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

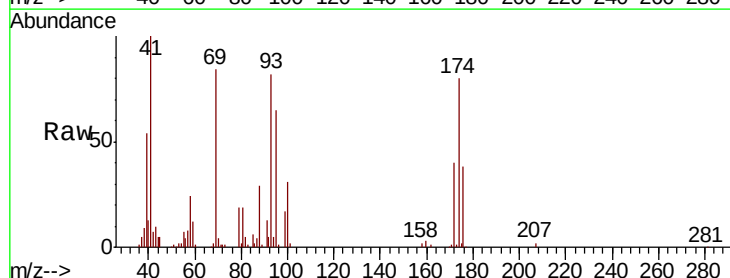
Tgt Ion: 93 Resp: 74262

Ion Ratio Lower Upper

93 100

95 82.6 66.6 100.0

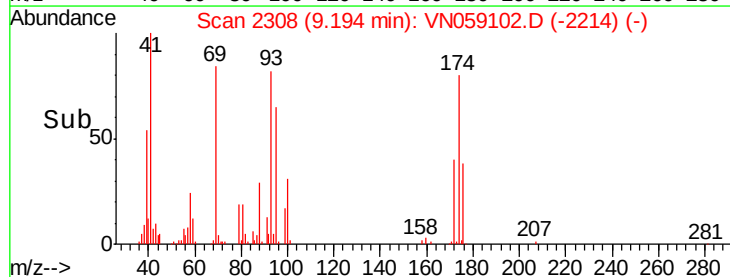
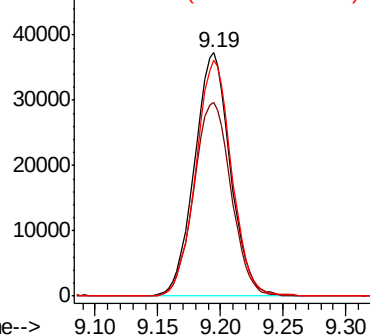
174 96.6 78.2 117.2

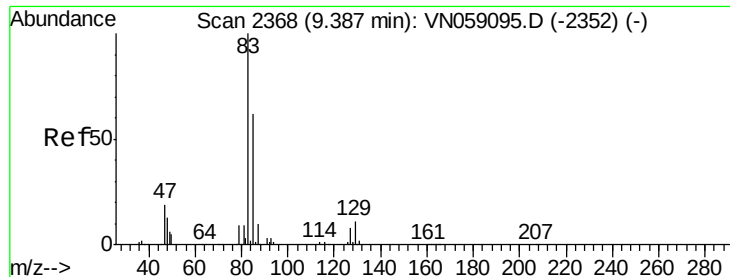


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.008 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

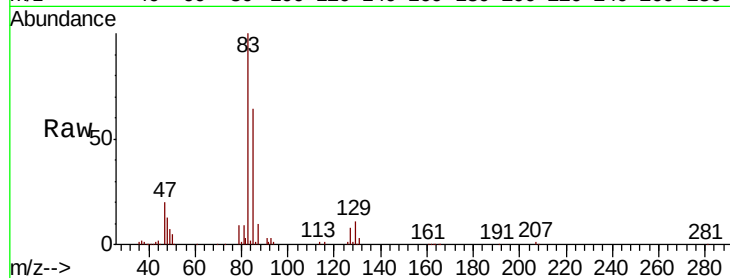
Tot Ion: 83 Resp: 149701

Ion Ratio Lower Upper

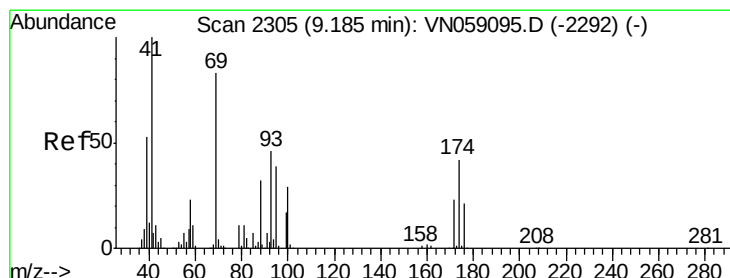
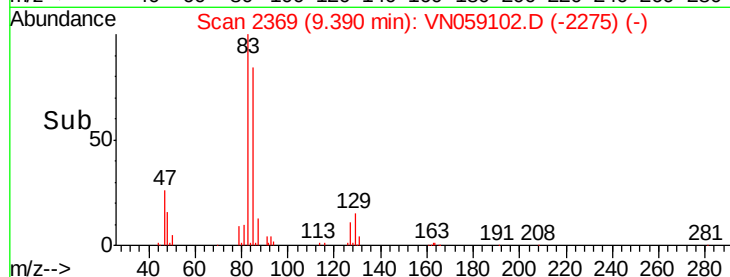
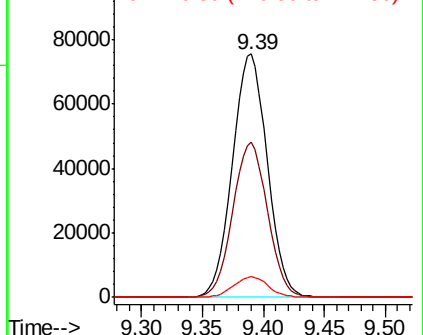
83 100

85 63.7 49.7 74.5

127 8.5 6.4 9.6



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



#48

Methyl methacrylate

Concen: 19.390 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

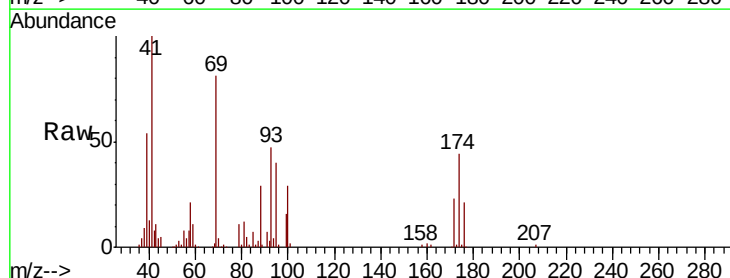
Tgt Ion: 41 Resp: 113077

Ion Ratio Lower Upper

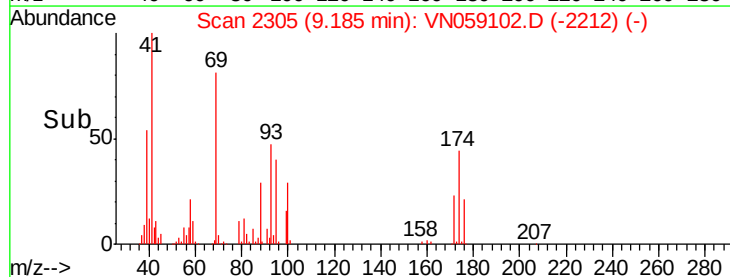
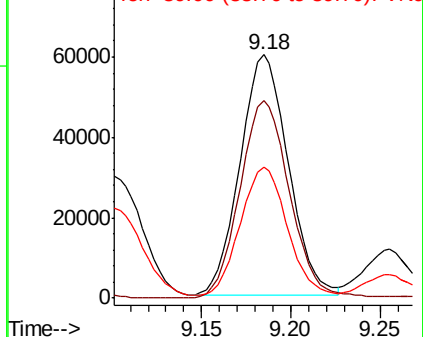
41 100

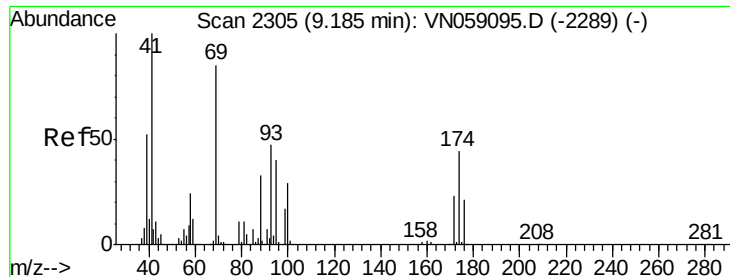
69 84.8 67.3 100.9

39 53.4 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: 350.321 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

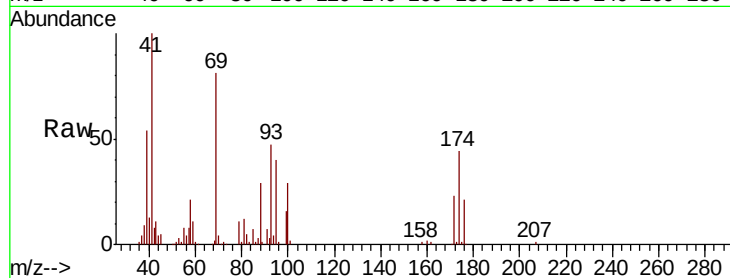
Tot Ion: 88 Resp: 36307

Ion Ratio Lower Upper

88 100

43 36.8 26.3 39.5

58 76.7 60.6 90.8

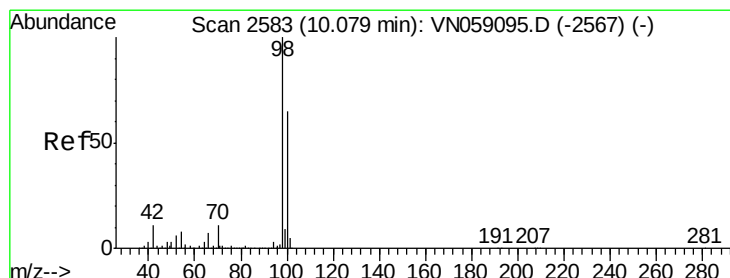
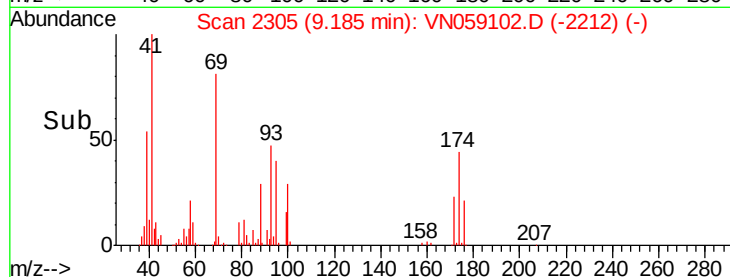
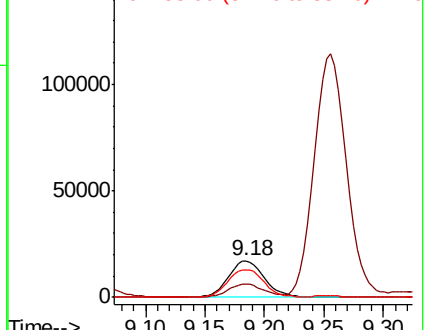


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.839 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059102.D

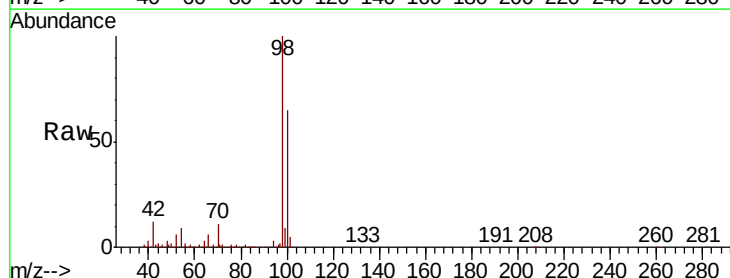
Acq: 6 Nov 2019 13:12

Tgt Ion: 98 Resp: 921871

Ion Ratio Lower Upper

98 100

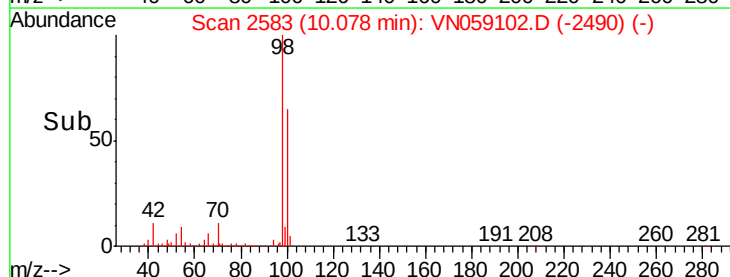
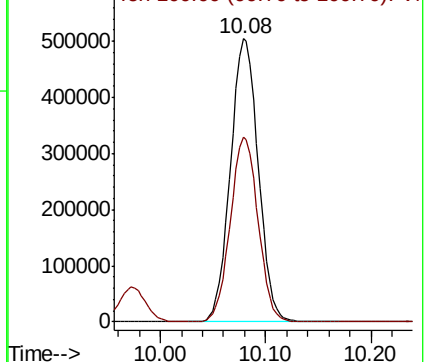
100 65.0 52.2 78.2

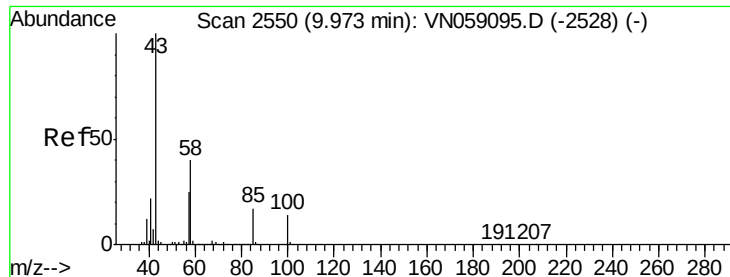


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 110.024 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

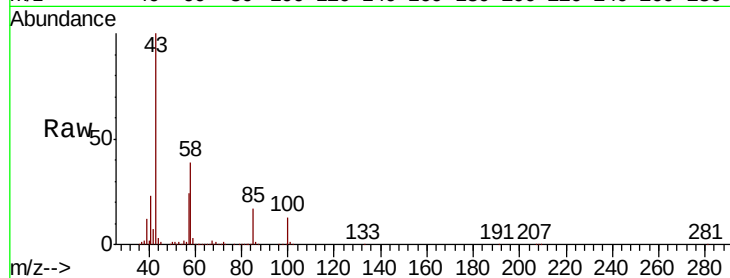
VN1106WBS01

Tot Ion: 43 Resp: 811663

Ion Ratio Lower Upper

43 100

58 38.9 31.5 47.3



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

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

9.97

400000

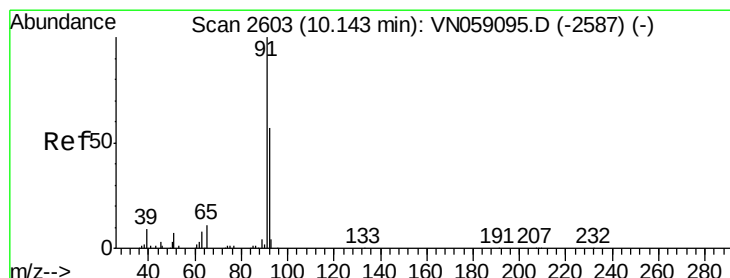
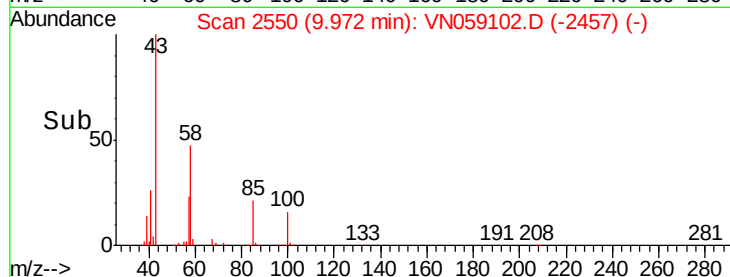
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.097 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059102.D

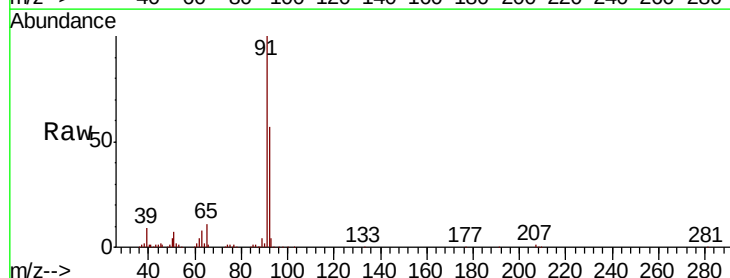
Acq: 6 Nov 2019 13:12

Tgt Ion: 92 Resp: 266658

Ion Ratio Lower Upper

92 100

91 172.3 139.5 209.3



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

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

10.15

250000

200000

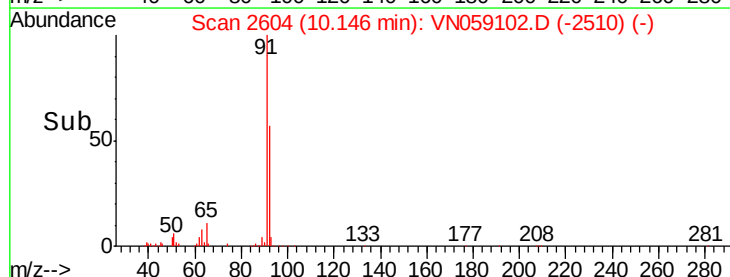
150000

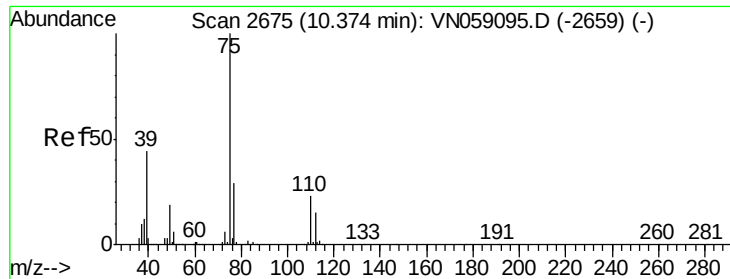
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.477 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampled :

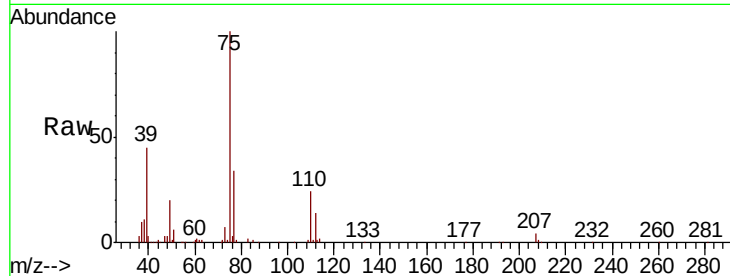
VN1106WBS01

Tot Ion: 75 Resp: 168364

Ion Ratio Lower Upper

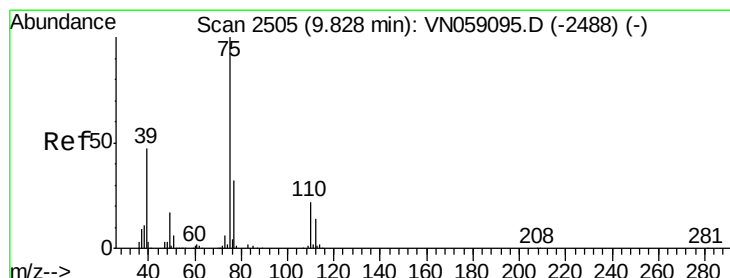
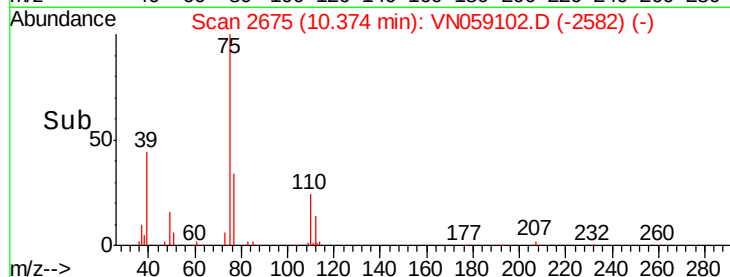
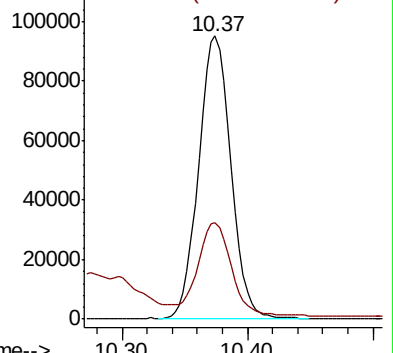
75 100

77 33.1 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.937 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

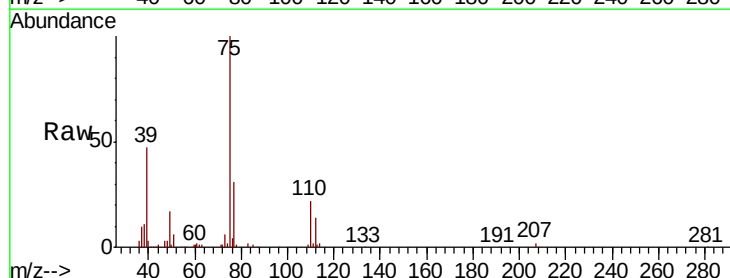
Tgt Ion: 75 Resp: 185381

Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

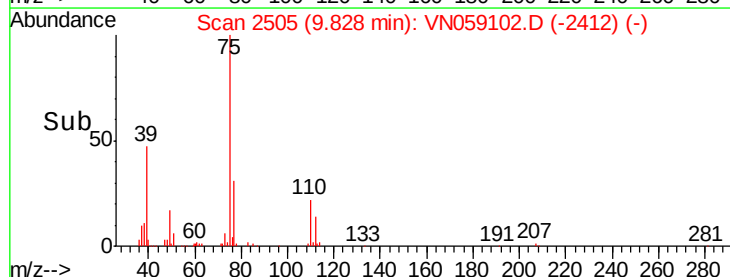
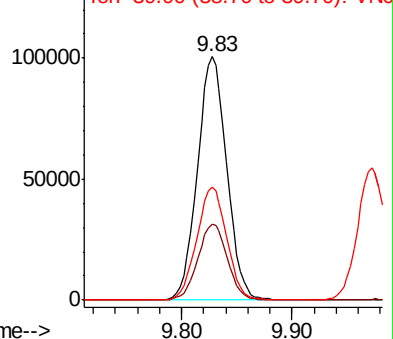
39 46.5 37.3 55.9

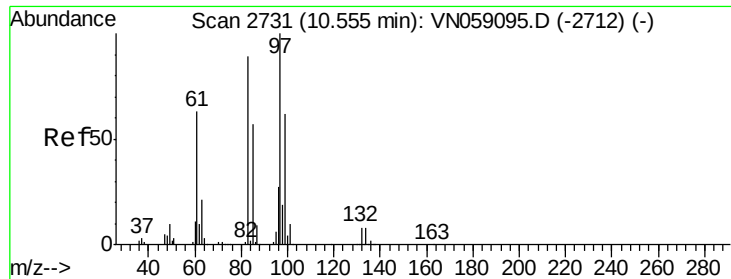


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

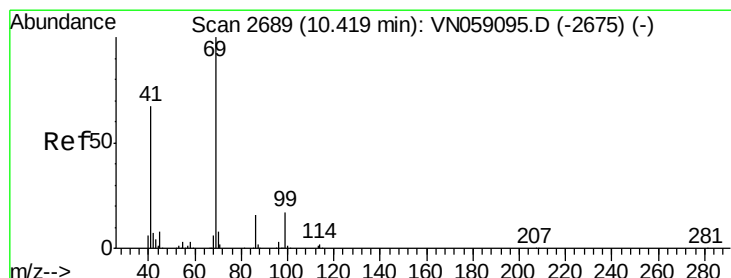
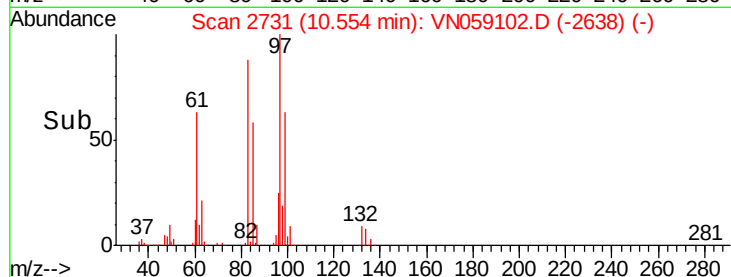
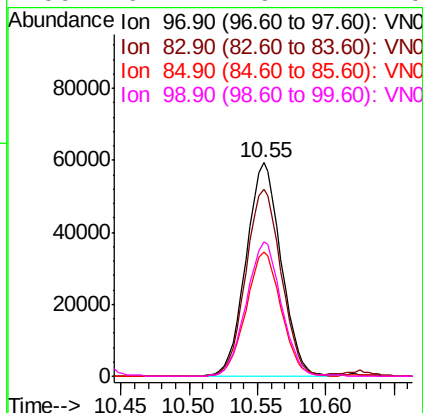
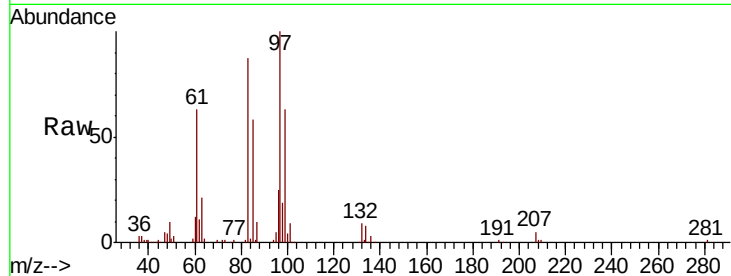




#55
 1,1,2-Trichloroethane
 Concen: 19.766 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059102.D
 Acq: 6 Nov 2019 13:12

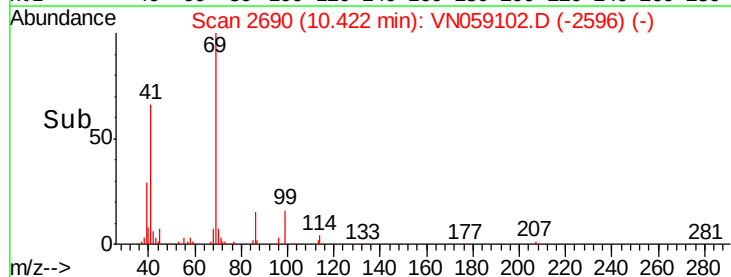
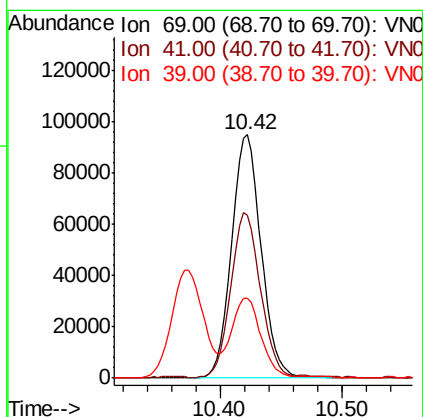
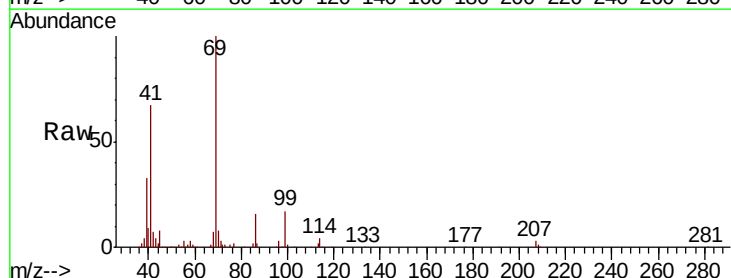
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

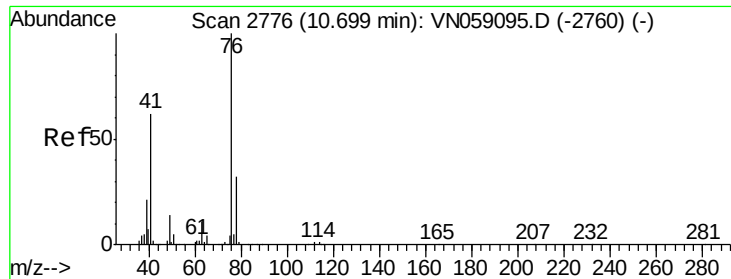
Tot Ion: 97 Resp: 106142
 Ion Ratio Lower Upper
 97 100
 83 87.3 71.0 106.4
 85 58.1 45.8 68.8
 99 62.7 49.4 74.0



#56
 Ethyl methacrylate
 Concen: 19.147 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059102.D
 Acq: 6 Nov 2019 13:12

Tgt Ion: 69 Resp: 160727
 Ion Ratio Lower Upper
 69 100
 41 67.6 53.6 80.4
 39 32.1 26.2 39.4





#57

1,3-Dichloropropane

Concen: 20.078 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

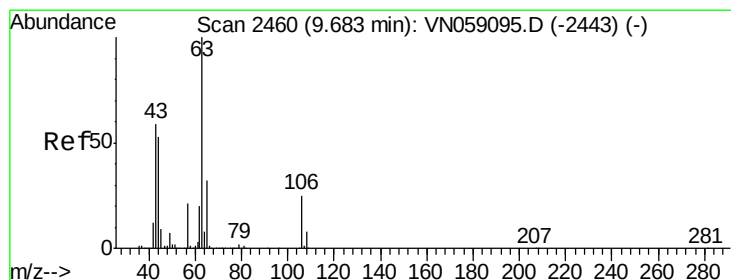
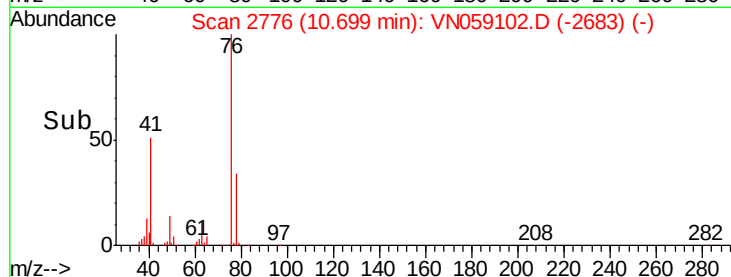
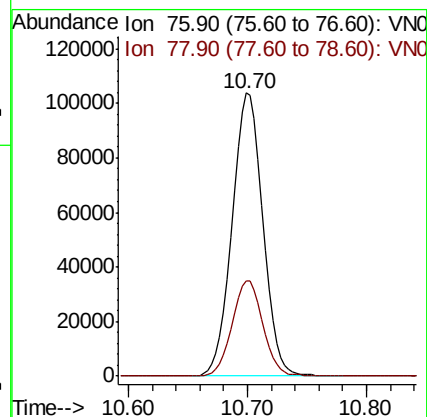
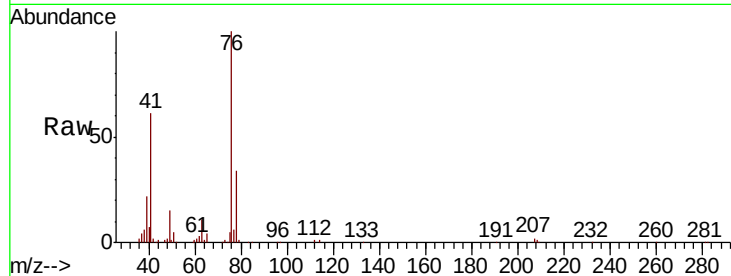
VN1106WBS01

Tot Ion: 76 Resp: 185557

Ion Ratio Lower Upper

76 100

78 33.8 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 108.417 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059102.D

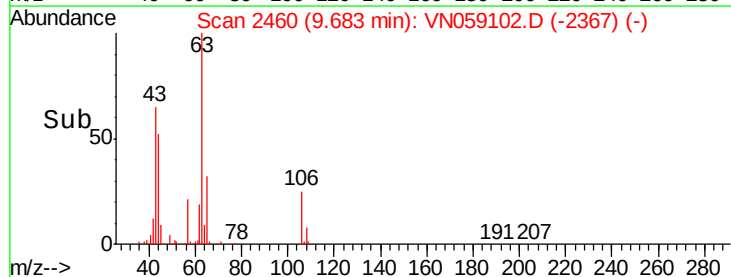
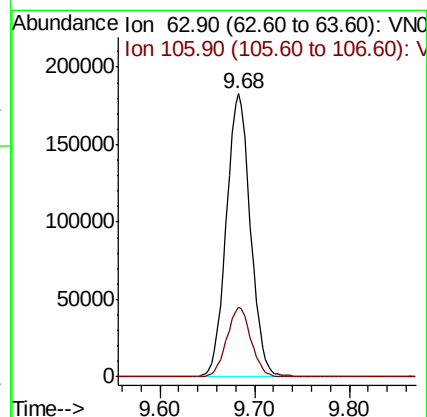
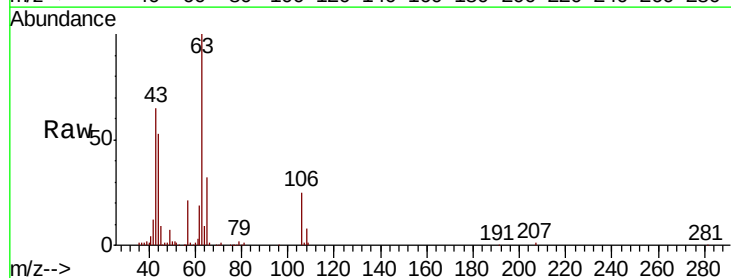
Acq: 6 Nov 2019 13:12

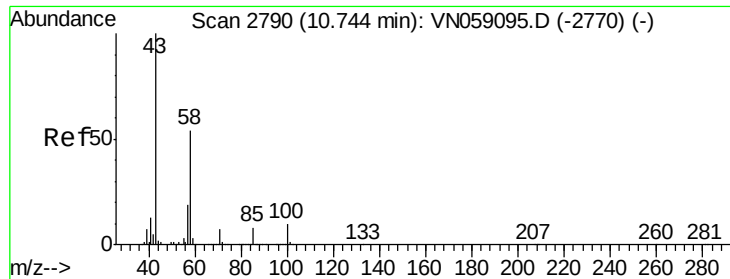
Tgt Ion: 63 Resp: 323997

Ion Ratio Lower Upper

63 100

106 24.7 20.2 30.2

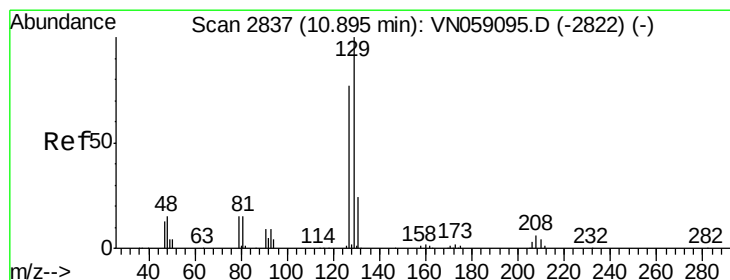
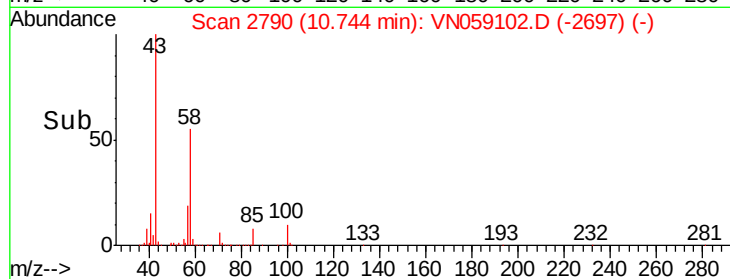
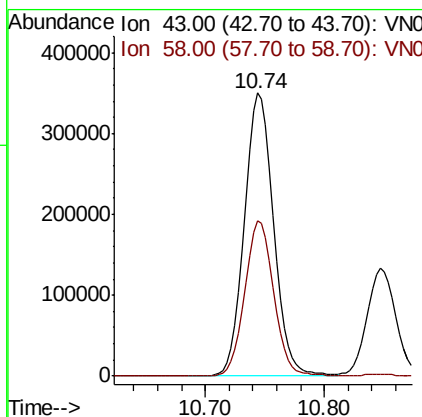
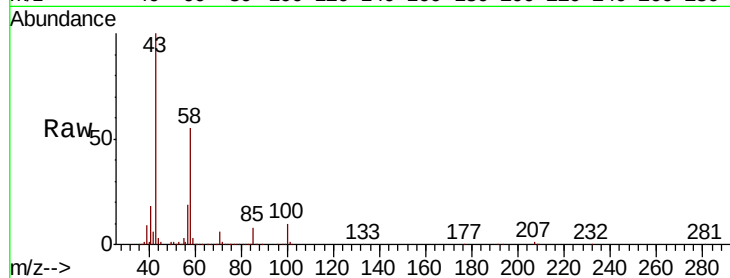




#59
2-Hexanone
Concen: 105.095 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

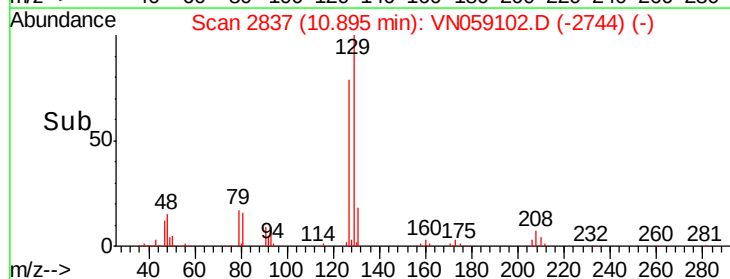
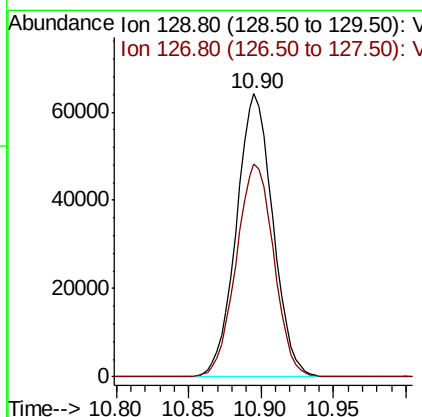
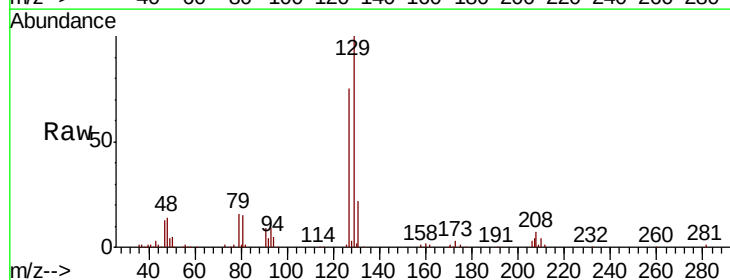
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

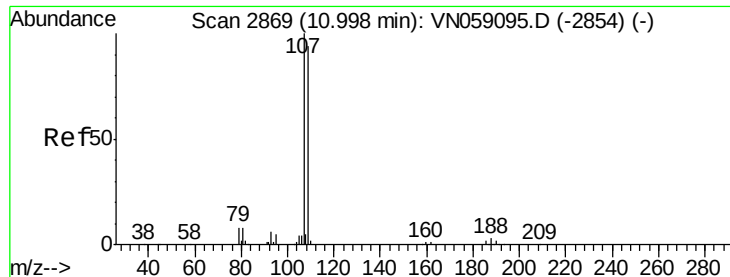
Tot Ion: 43 Resp: 595080
Ion Ratio Lower Upper
43 100
58 54.5 27.3 81.8



#60
Dibromochloromethane
Concen: 19.766 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

Tgt Ion: 129 Resp: 112220
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8

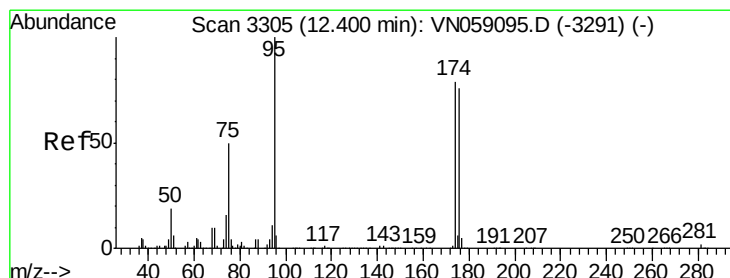
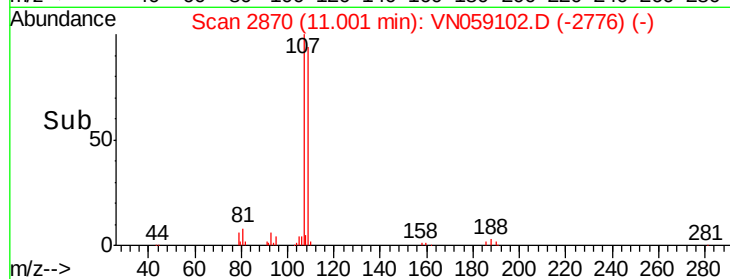
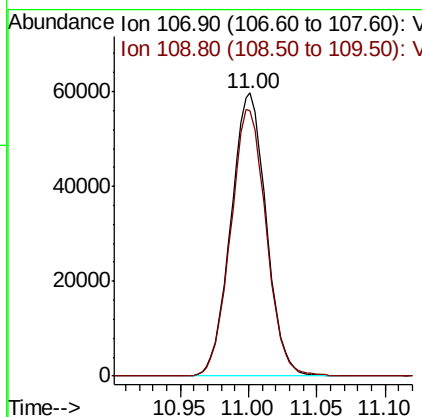
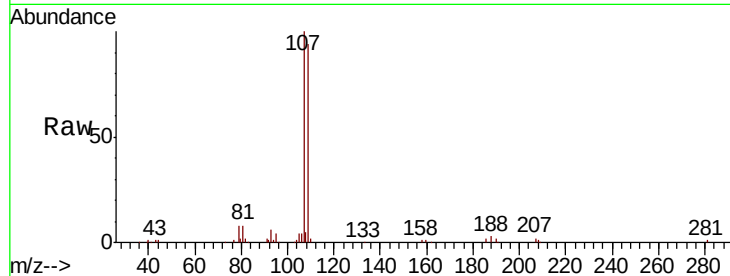




#61
 1,2-Dibromoethane
 Concen: 19.713 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059102.D
 Acq: 6 Nov 2019 13:12

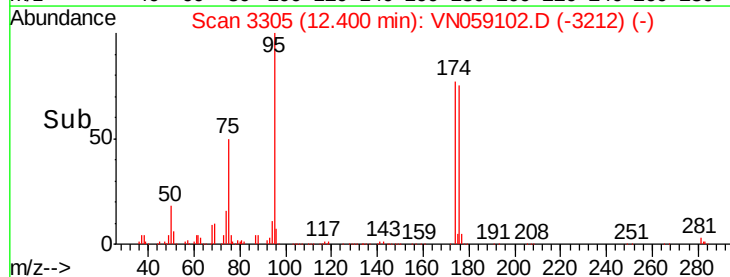
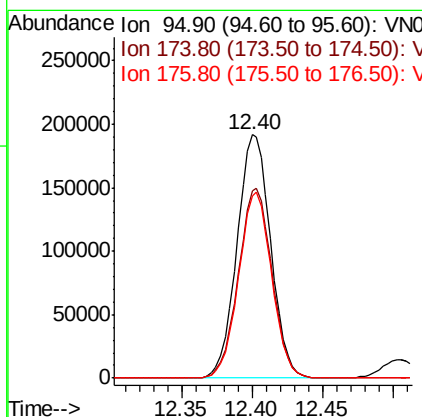
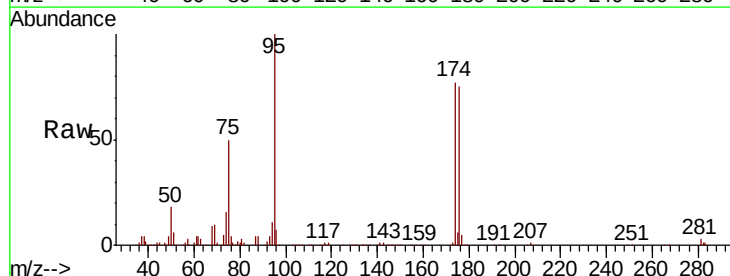
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

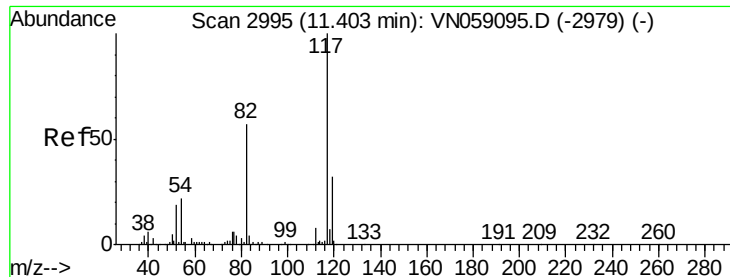
Tot Ion:107 Resp: 107159
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 48.008 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059102.D
 Acq: 6 Nov 2019 13:12

Tgt Ion: 95 Resp: 320186
 Ion Ratio Lower Upper
 95 100
 174 78.1 0.0 158.2
 176 75.2 0.0 151.8

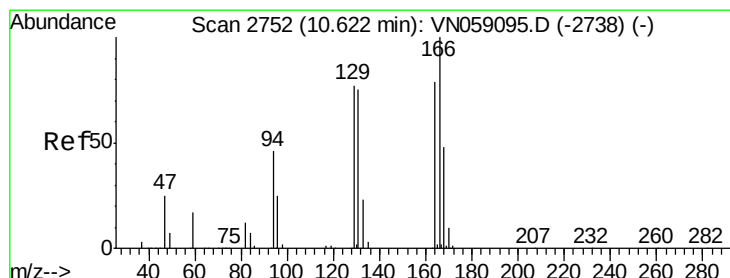
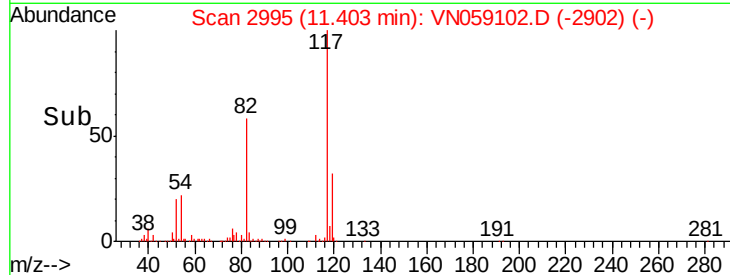
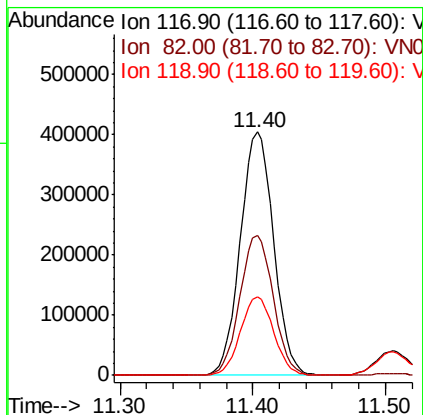
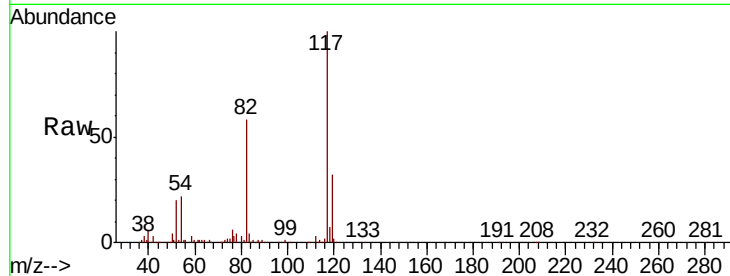




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

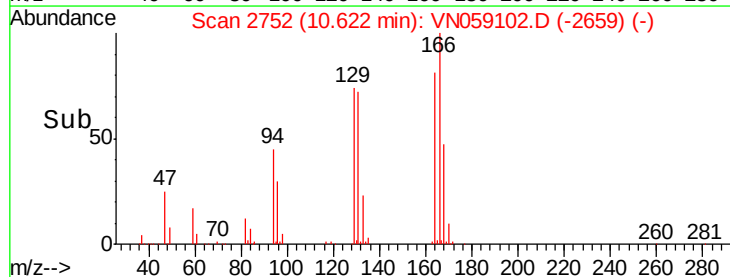
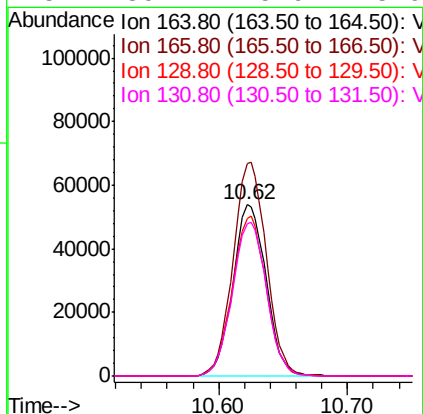
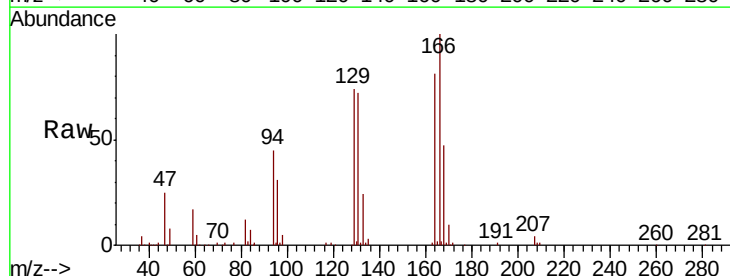
Instrument :
MSVOA_N
ClientSampled :
VN1106WBS01

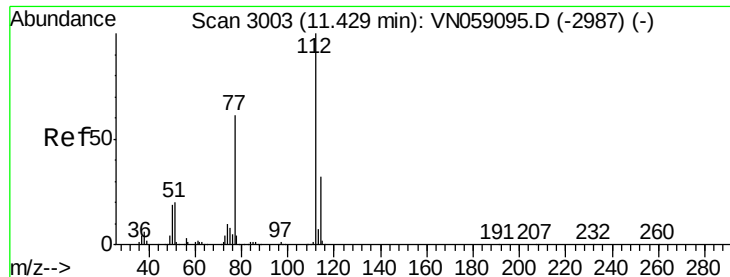
Tot Ion:117 Resp: 705754
Ion Ratio Lower Upper
117 100
82 57.6 45.8 68.8
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 20.108 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

Tgt Ion:164 Resp: 96497
Ion Ratio Lower Upper
164 100
166 124.0 101.5 152.3
129 92.1 78.3 117.5
131 89.1 75.9 113.9

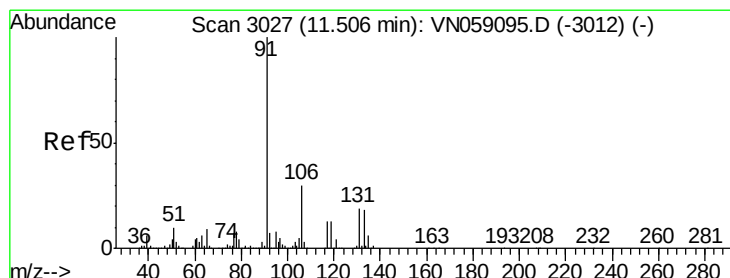
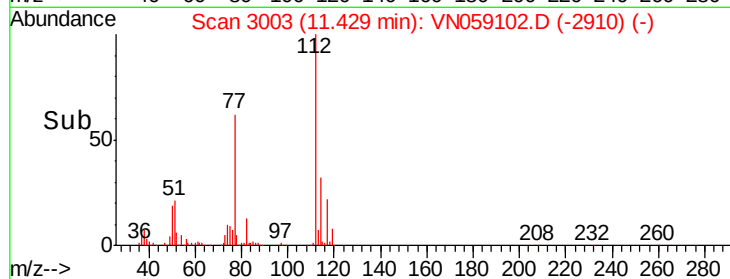
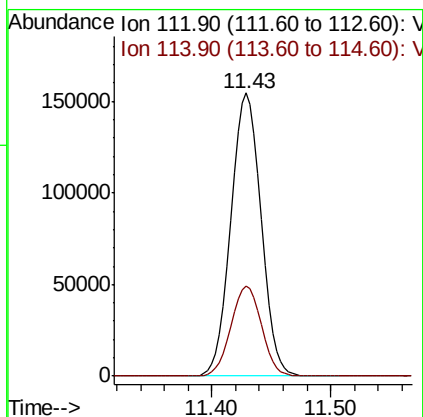
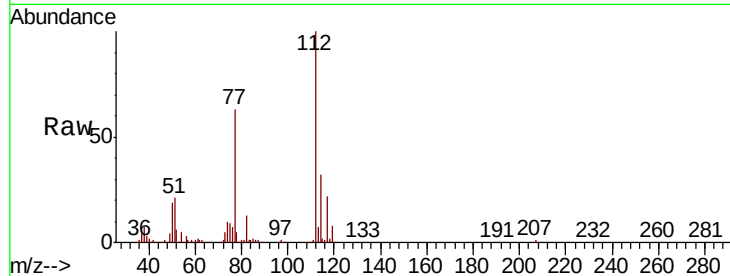




#65
Chlorobenzene
Concen: 19.801 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

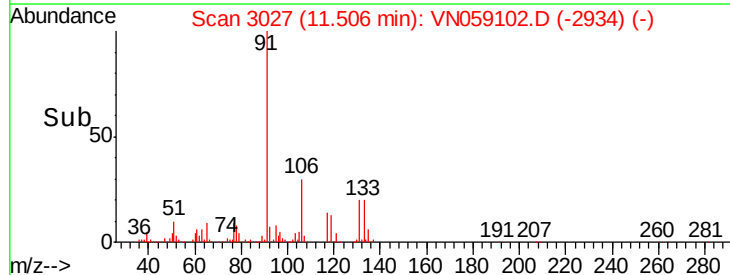
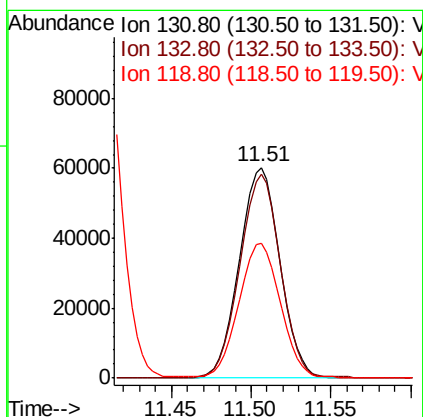
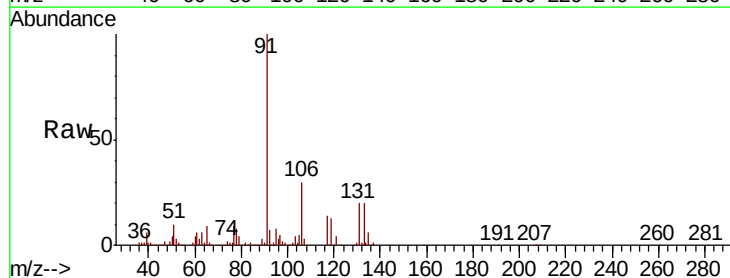
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

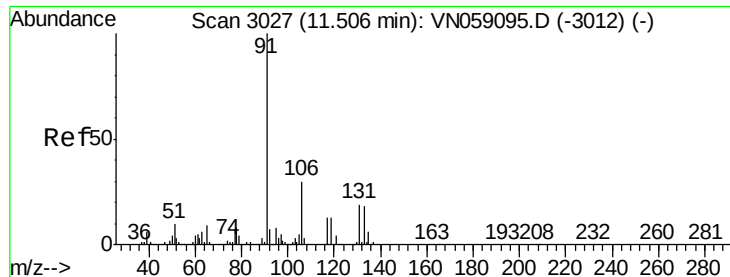
Tot Ion:112 Resp: 272423
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.177 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

Tgt Ion:131 Resp: 104132
Ion Ratio Lower Upper
131 100
133 96.1 47.4 142.3
119 65.8 33.2 99.6





#67

Ethyl Benzene

Concen: 20.306 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampled :

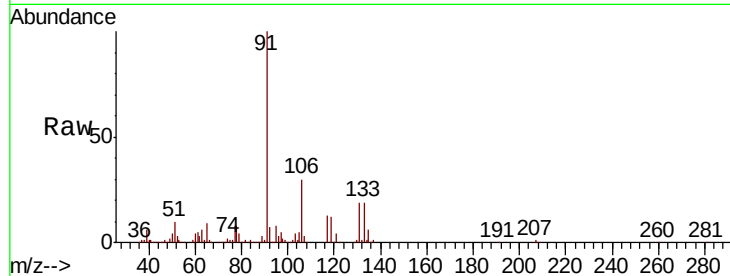
VN1106WBS01

Tot Ion: 91 Resp: 495667

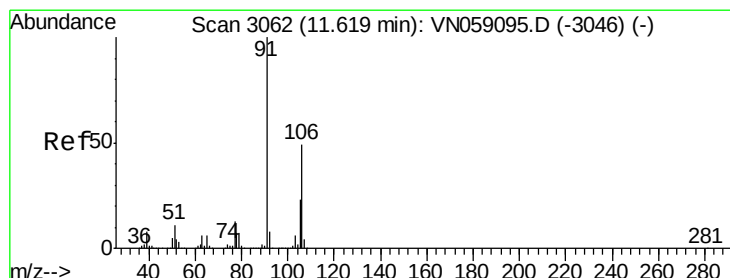
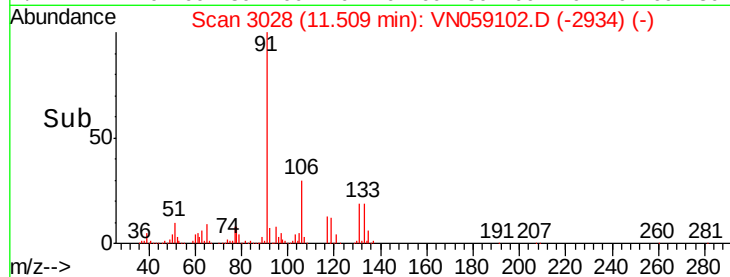
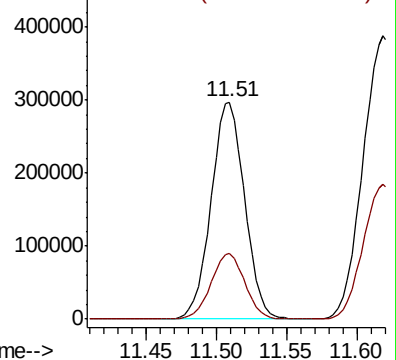
Ion Ratio Lower Upper

91 100

106 30.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059102.D (-2934) (-)



#68

m/p-Xylenes

Concen: 39.439 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059102.D

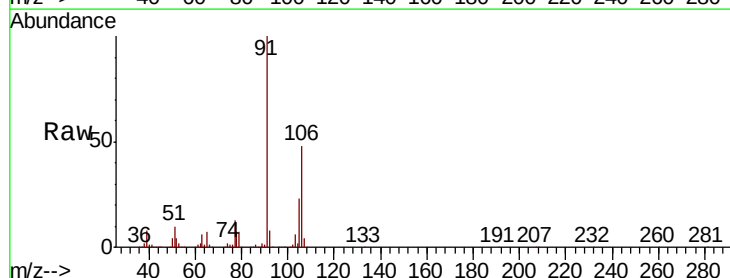
Acq: 6 Nov 2019 13:12

Tgt Ion: 106 Resp: 360612

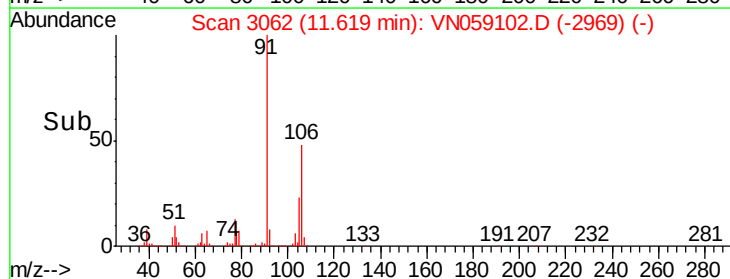
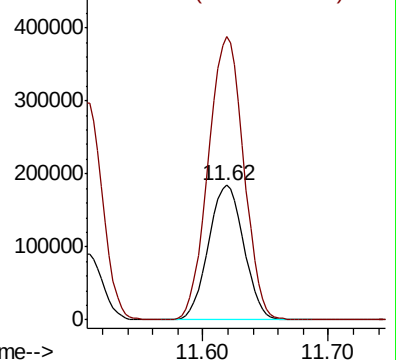
Ion Ratio Lower Upper

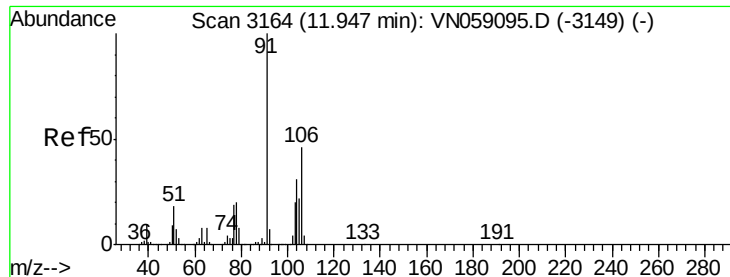
106 100

91 210.9 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059102.D (-2969) (-)

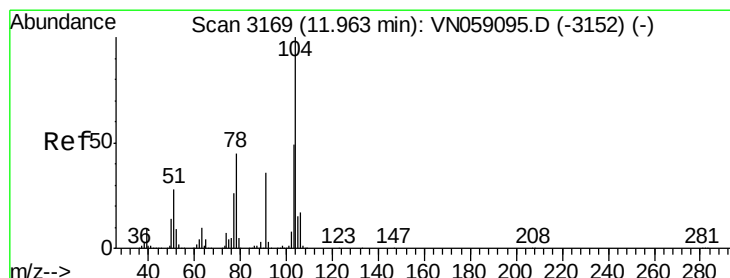
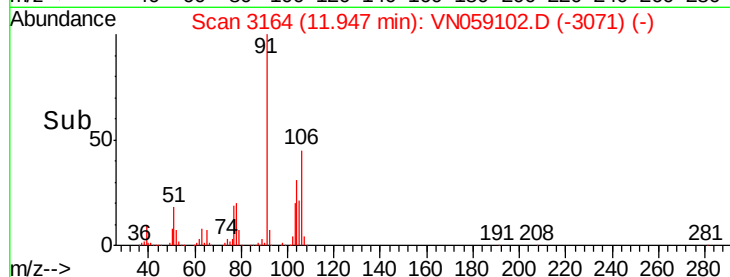
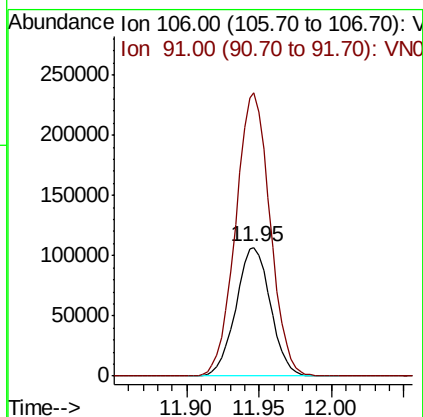
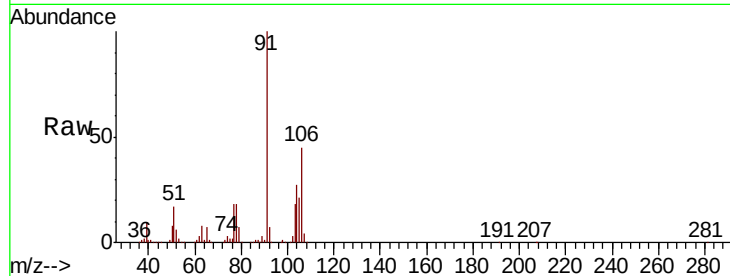




#69
o-Xylene
Concen: 19.993 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

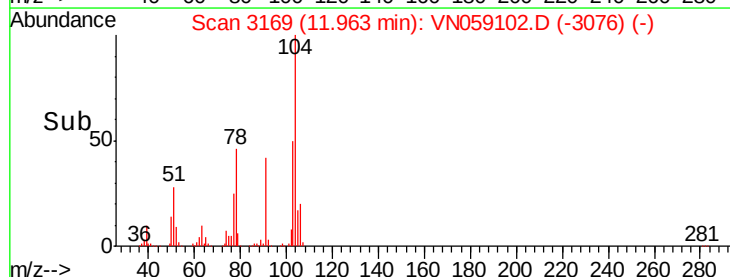
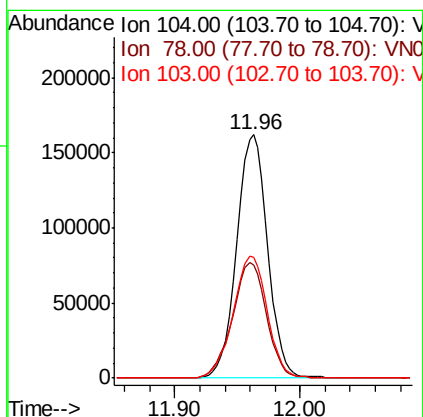
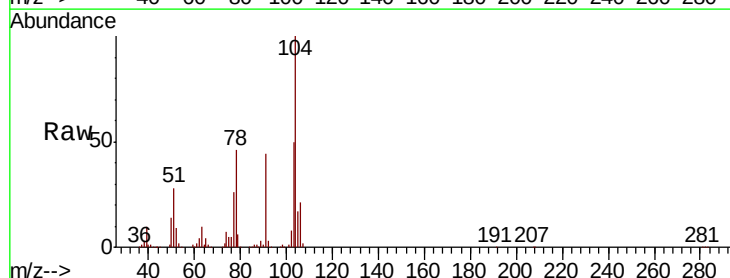
Instrument :
MSVOA_N
ClientSampled :
VN1106WBS01

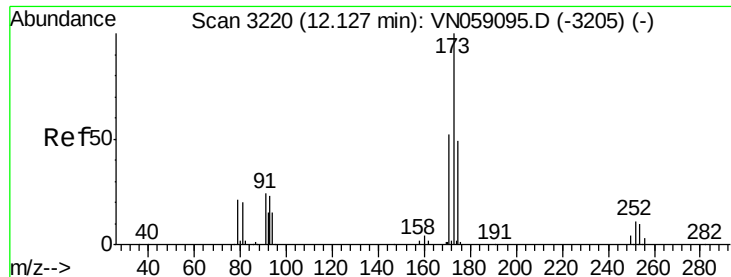
Tot Ion:106 Resp: 176668
Ion Ratio Lower Upper
106 100
91 219.5 110.1 330.3



#70
Styrene
Concen: 19.985 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

Tgt Ion:104 Resp: 277739
Ion Ratio Lower Upper
104 100
78 52.5 41.2 61.8
103 55.3 43.8 65.6





#71

Bromoform

Concen: 19.642 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

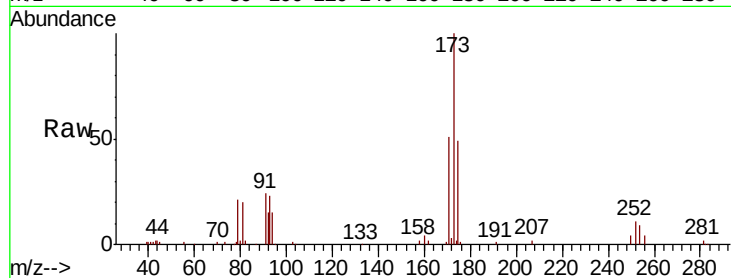
Tot Ion:173 Resp: 78849

Ion Ratio Lower Upper

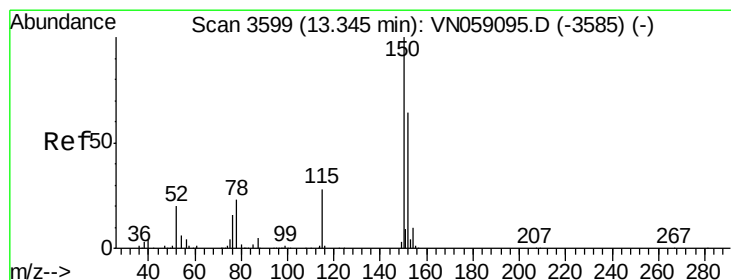
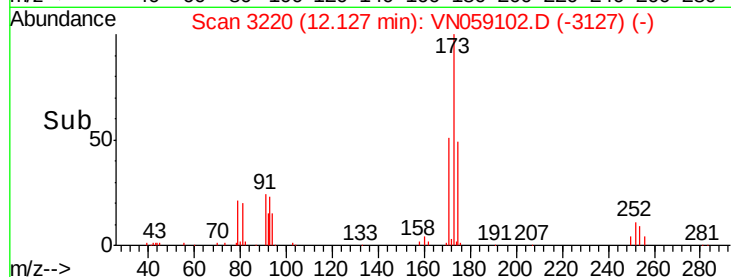
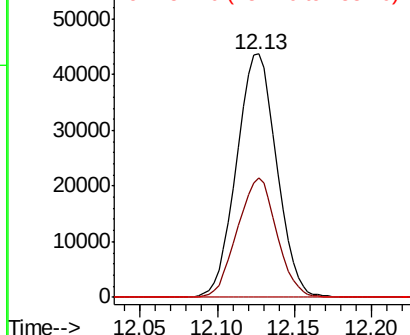
173 100

175 48.2 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

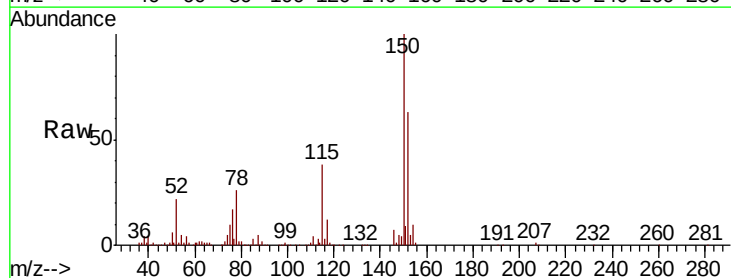
Tgt Ion:152 Resp: 312922

Ion Ratio Lower Upper

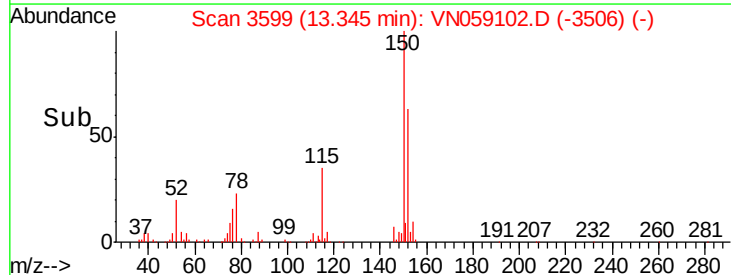
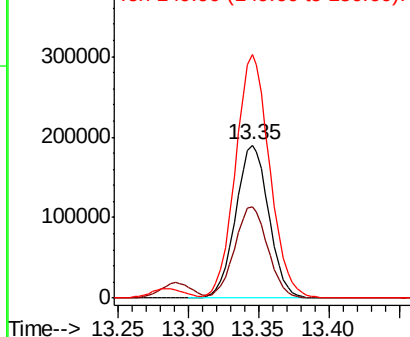
152 100

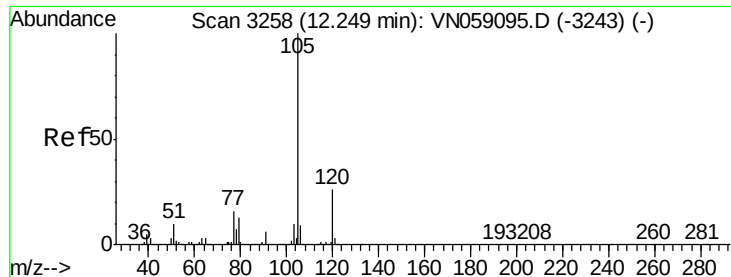
115 60.0 29.4 88.2

150 164.1 0.0 345.8



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





#73

Isopropylbenzene

Concen: 20.886 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

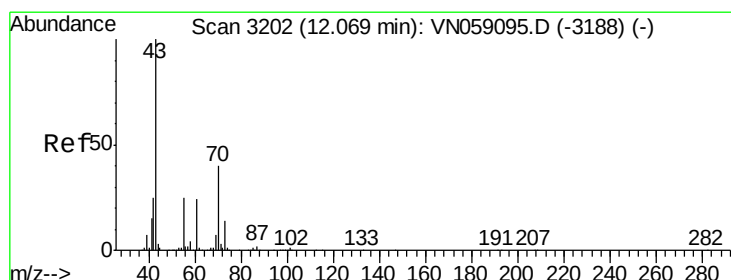
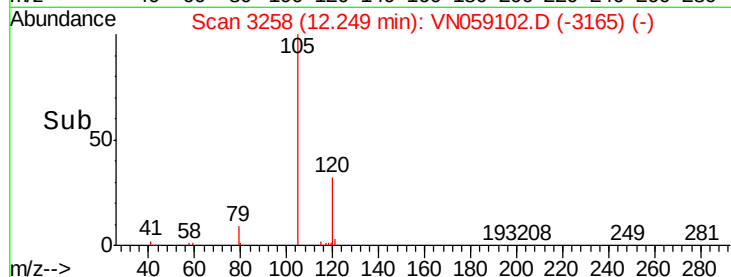
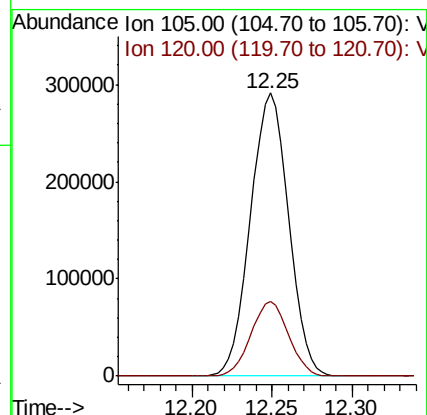
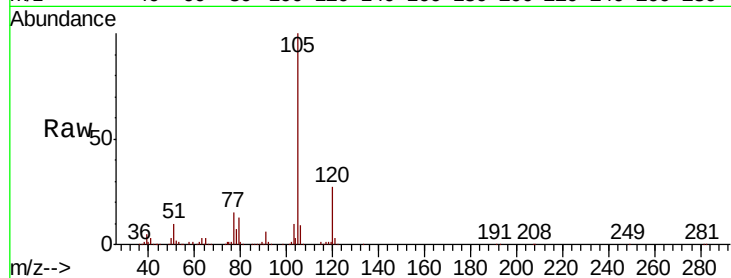
VN1106WBS01

Tot Ion:105 Resp: 475416

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.3



#74

N-ethyl acetate

Concen: 20.315 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Tgt Ion: 43 Resp: 195941

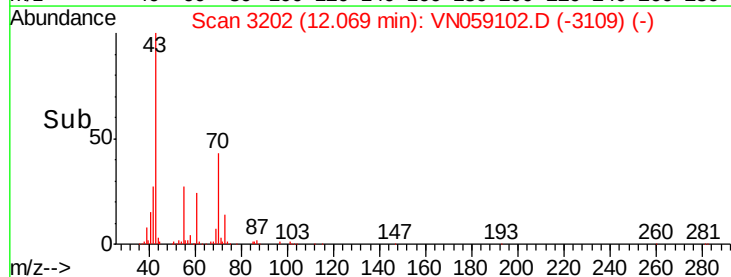
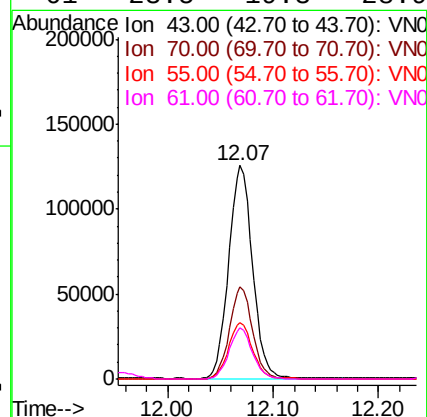
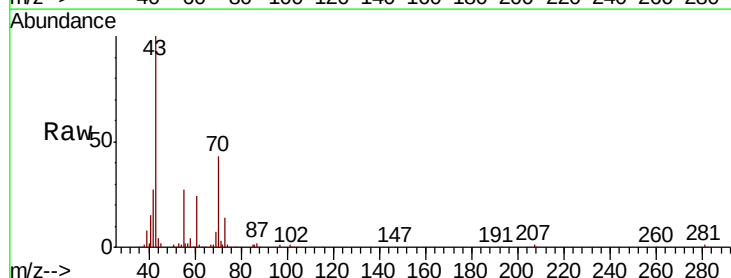
Ion Ratio Lower Upper

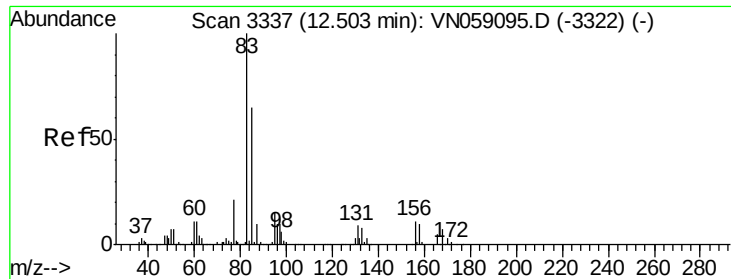
43 100

70 41.6 32.2 48.4

55 26.6 20.4 30.6

61 23.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.954 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

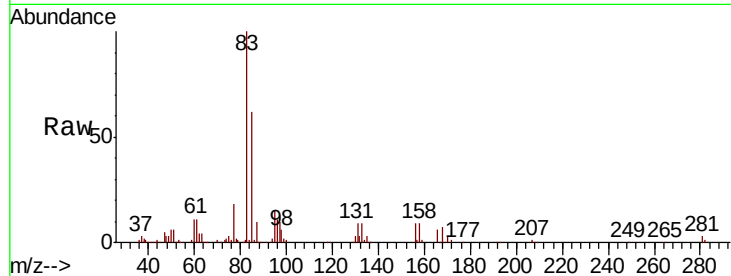
Tot Ion: 83 Resp: 162428

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.6

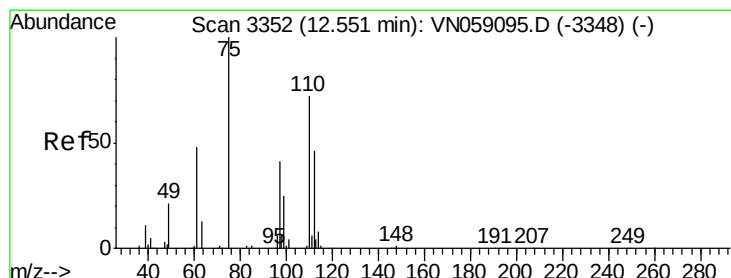
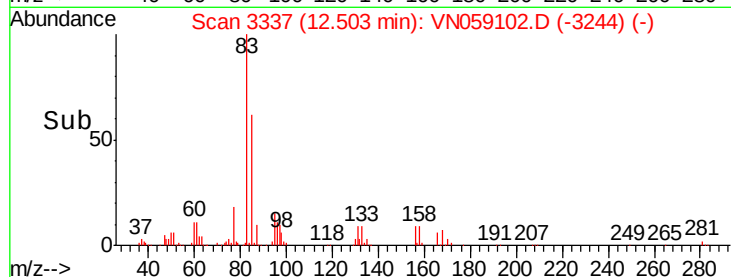
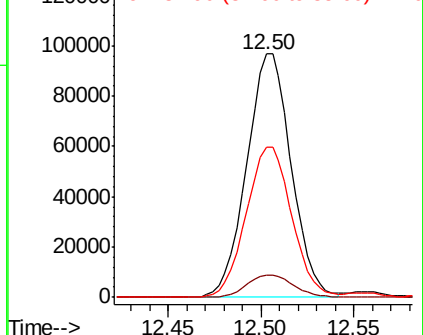
85 63.3 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.276 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059102.D

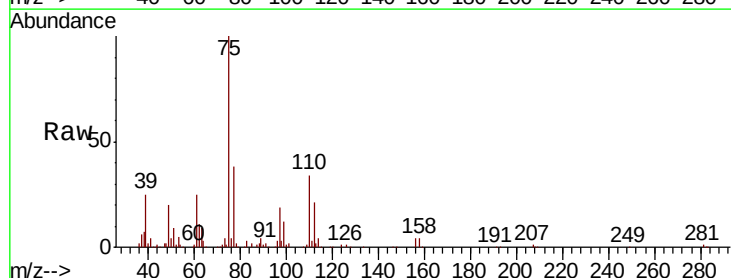
Acq: 6 Nov 2019 13:12

Tgt Ion: 75 Resp: 208569

Ion Ratio Lower Upper

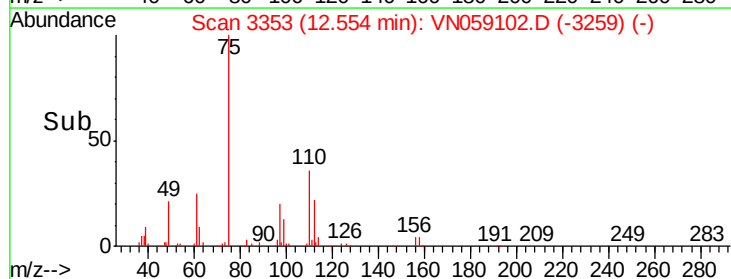
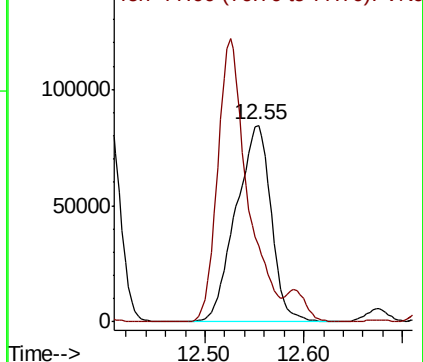
75 100

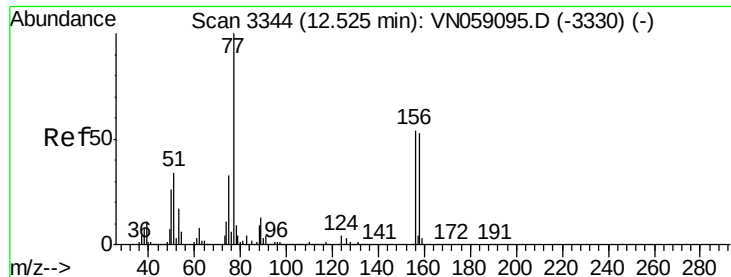
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.748 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

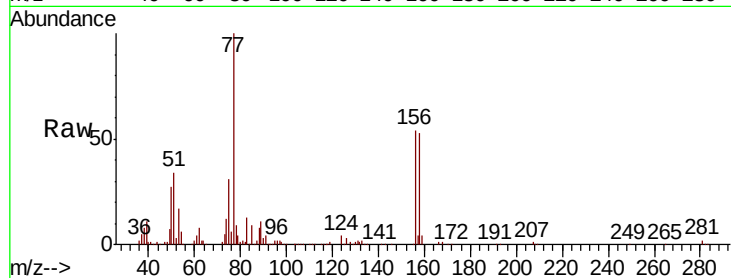
Tot Ion:156 Resp: 112937

Ion Ratio Lower Upper

156 100

77 228.6 112.8 338.3

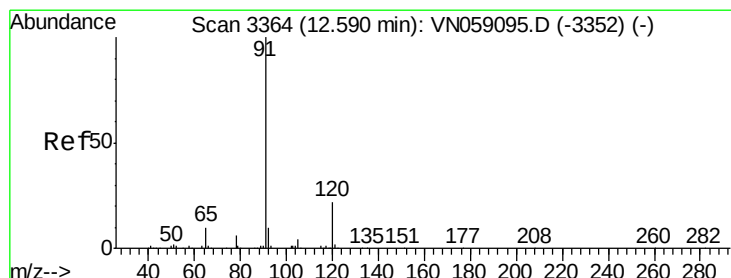
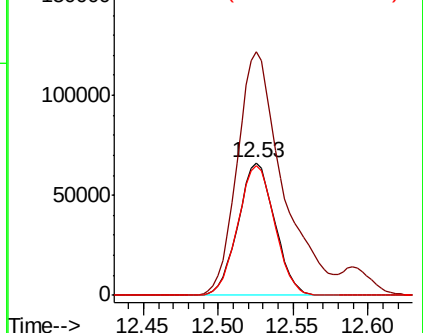
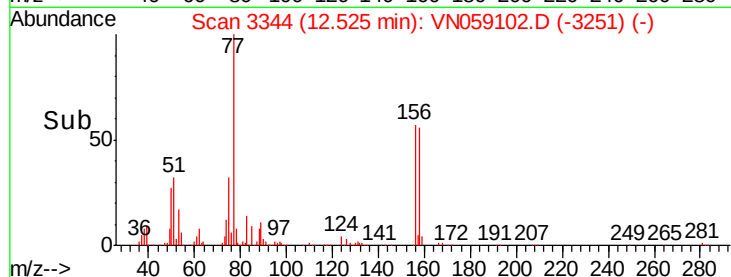
158 98.6 48.4 145.3



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: 20.782 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059102.D

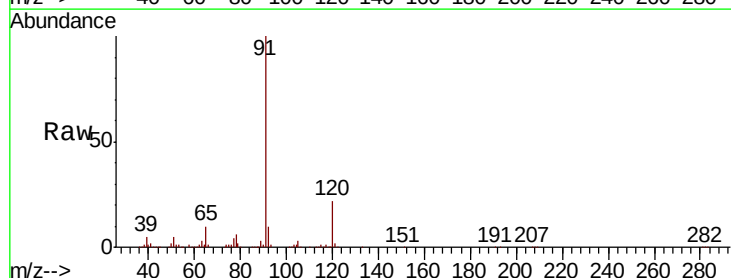
Acq: 6 Nov 2019 13:12

Tgt Ion: 91 Resp: 541629

Ion Ratio Lower Upper

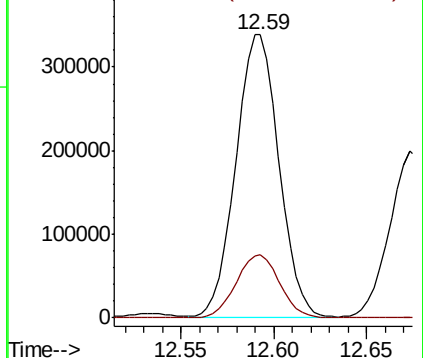
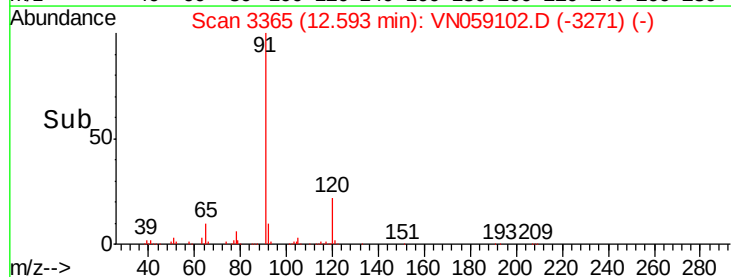
91 100

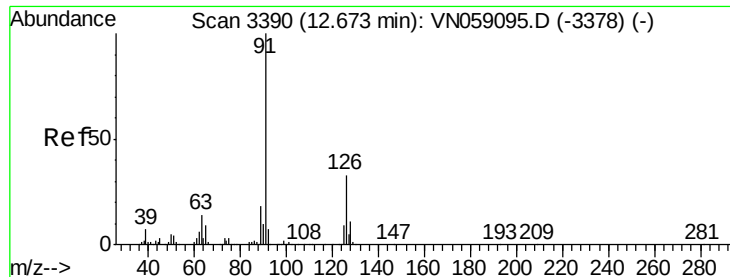
120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.157 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

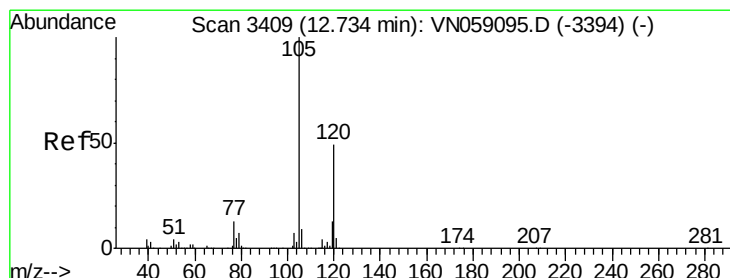
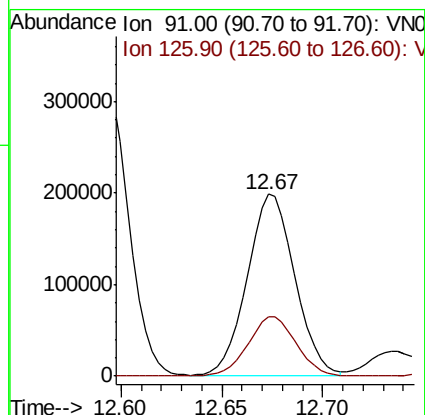
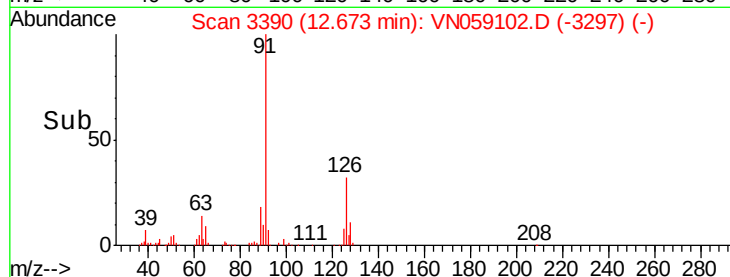
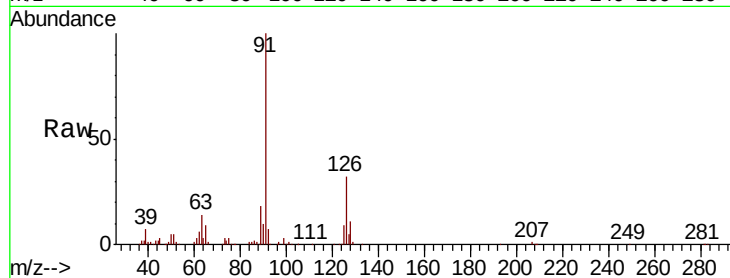
VN1106WBS01

Tot Ion: 91 Resp: 325900

Ion Ratio Lower Upper

91 100

126 33.1 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 20.659 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059102.D

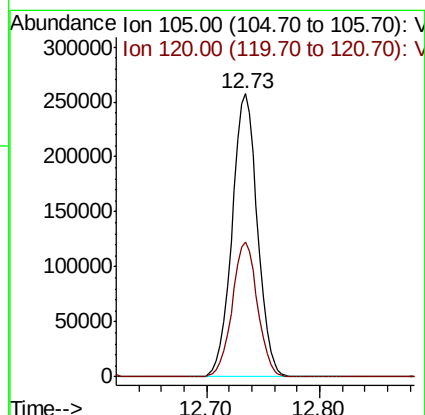
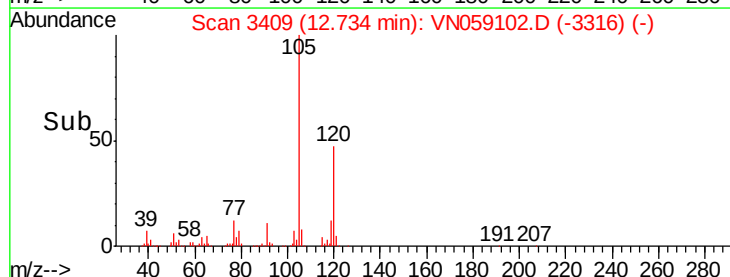
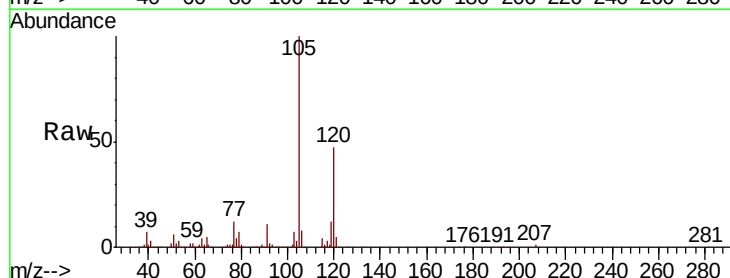
Acq: 6 Nov 2019 13:12

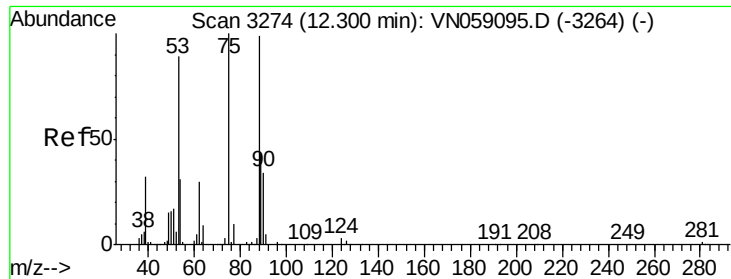
Tgt Ion: 105 Resp: 398456

Ion Ratio Lower Upper

105 100

120 47.7 24.0 72.0

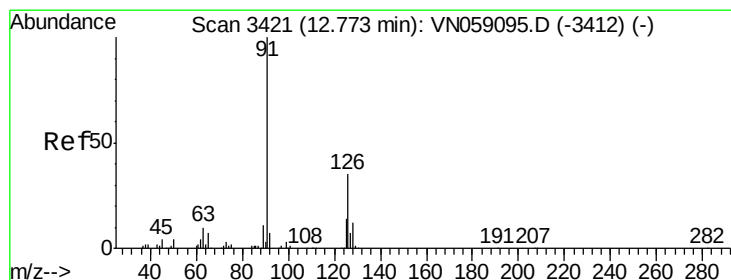
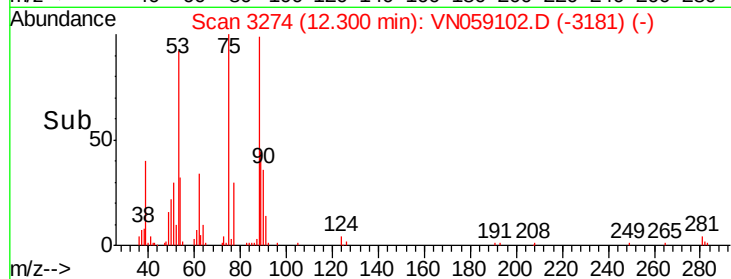
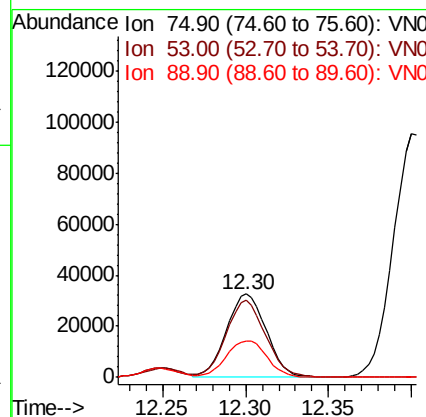
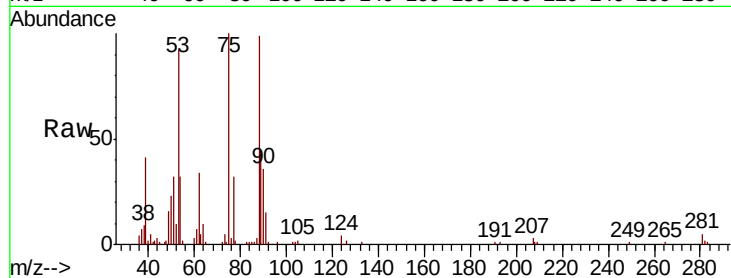




#81
trans-1,4-Dichloro-2-butene
Concen: 20.072 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

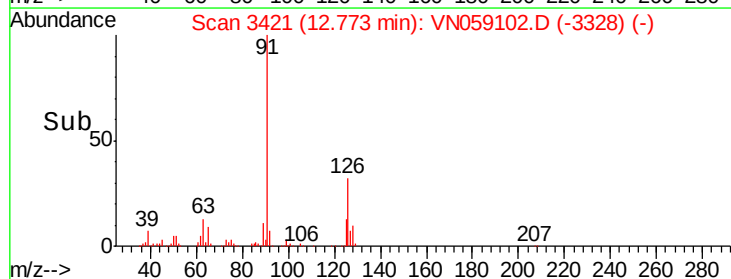
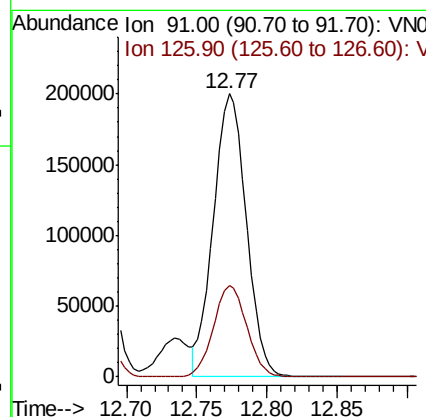
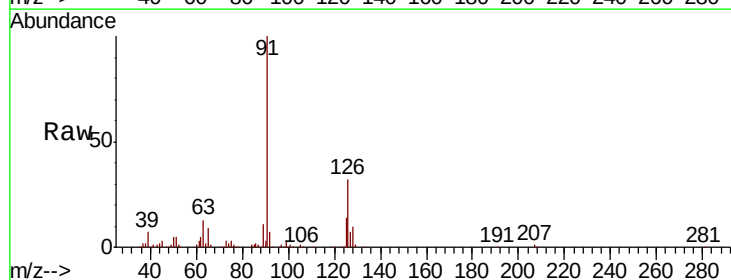
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBS01

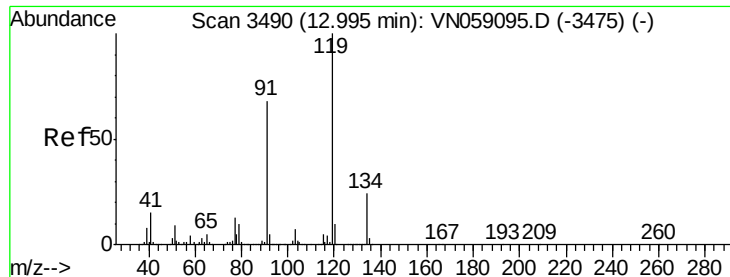
Tot Ion: 75 Resp: 54139
Ion Ratio Lower Upper
75 100
53 92.8 72.2 108.2
89 45.2 35.8 53.8



#82
4-Chlorotoluene
Concen: 19.945 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

Tgt Ion: 91 Resp: 323429
Ion Ratio Lower Upper
91 100
126 32.5 16.1 48.2





#83

tert-Butylbenzene

Concen: 20.297 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampled :

VN1106WBS01

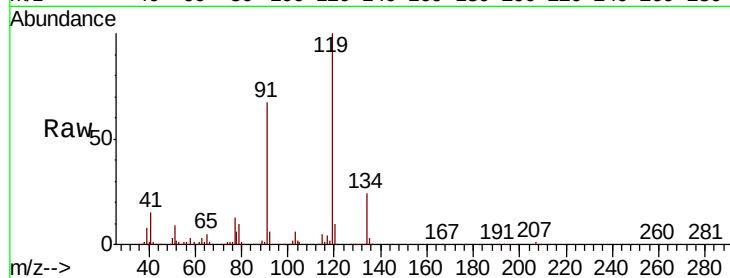
Tot Ion:119 Resp: 338069

Ion Ratio Lower Upper

119 100

91 66.3 33.2 99.6

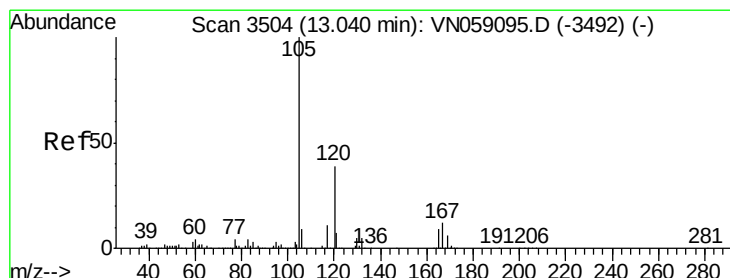
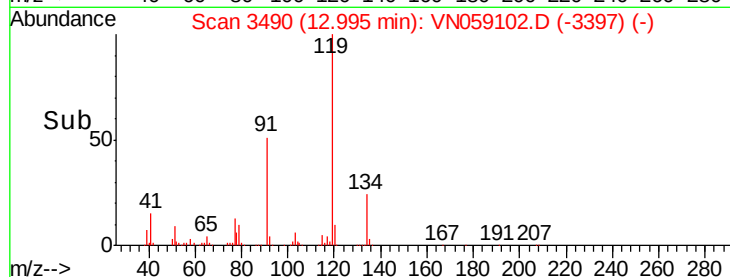
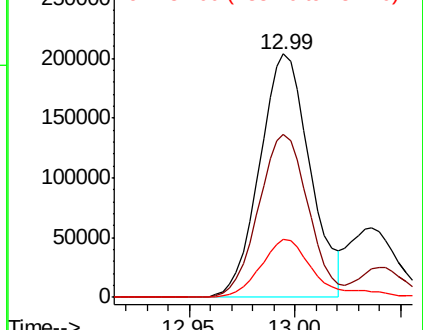
134 23.9 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.859 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059102.D

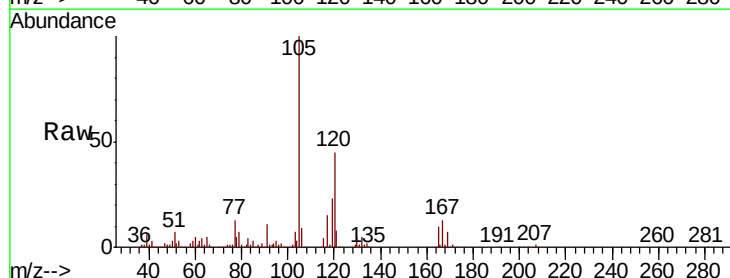
Acq: 6 Nov 2019 13:12

Tgt Ion:105 Resp: 389244

Ion Ratio Lower Upper

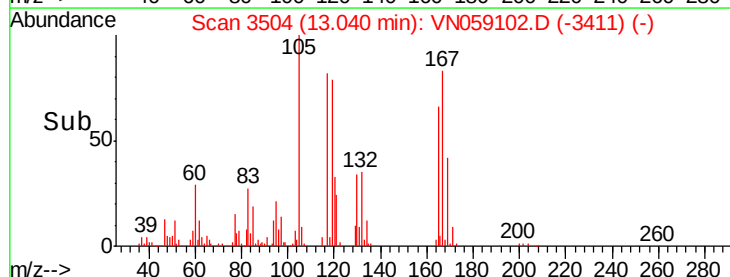
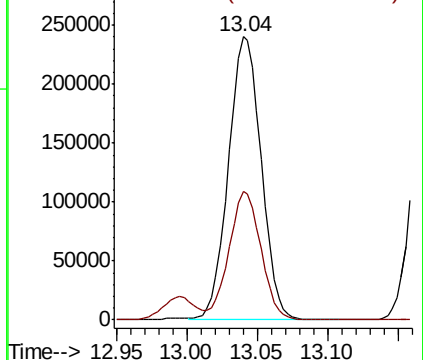
105 100

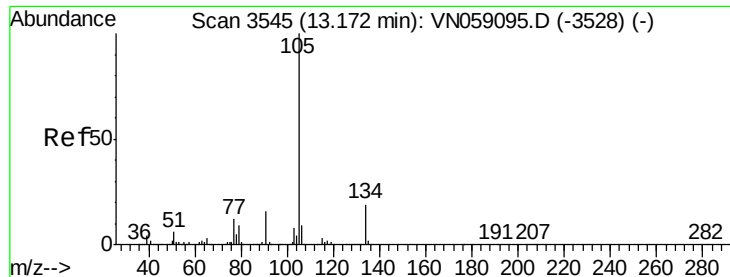
120 44.4 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.546 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

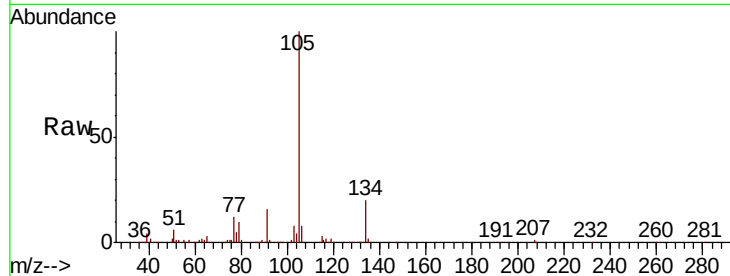
VN1106WBS01

Tot Ion:105 Resp: 445070

Ion Ratio Lower Upper

105 100

134 19.7 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

300000

250000

200000

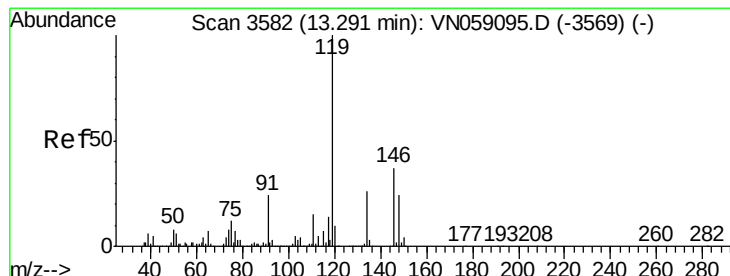
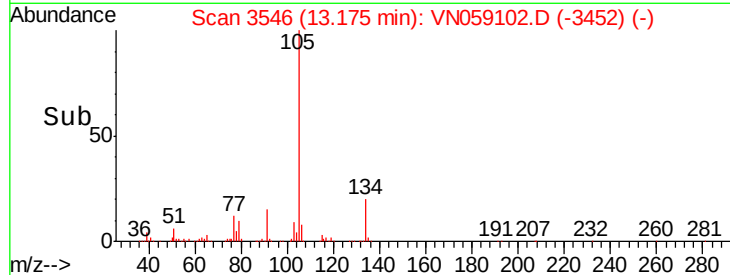
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.752 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

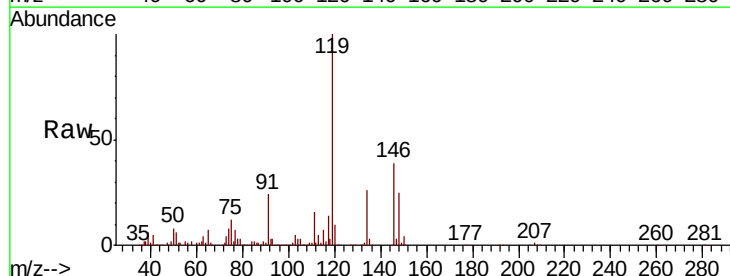
Tgt Ion:119 Resp: 396931

Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 23.7 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

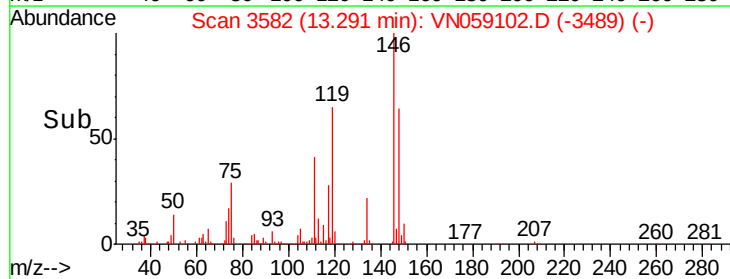
300000

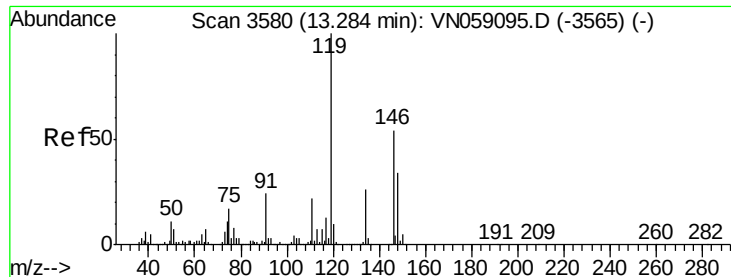
200000

100000

0

Time--> 13.20 13.30 13.40





#87

1,3-Dichlorobenzene

Concen: 19.891 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

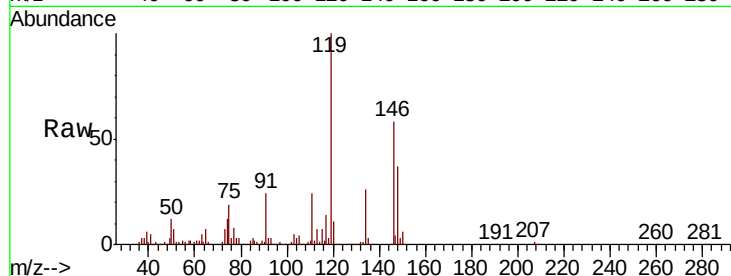
Tot Ion:146 Resp: 194795

Ion Ratio Lower Upper

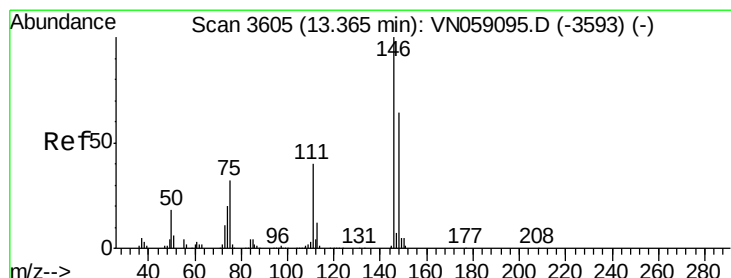
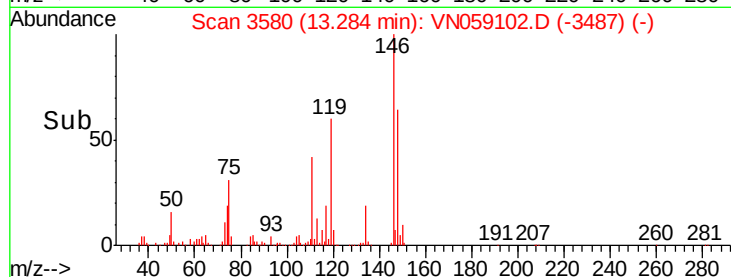
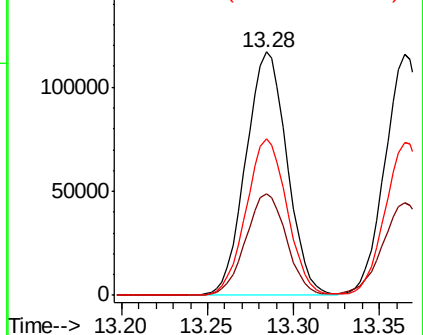
146 100

111 41.2 20.4 61.3

148 63.7 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: 19.627 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

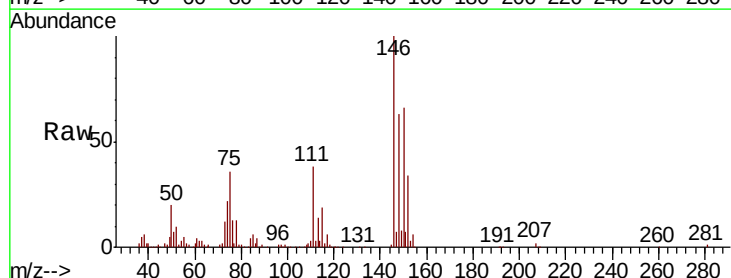
Tgt Ion:146 Resp: 192309

Ion Ratio Lower Upper

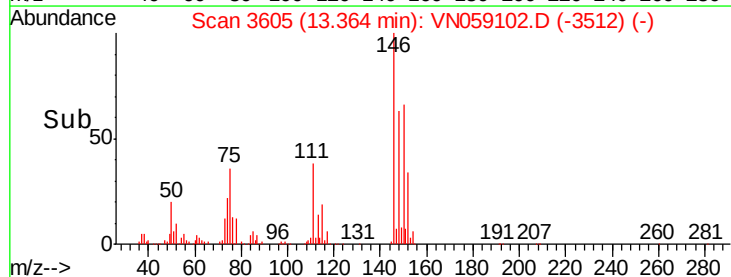
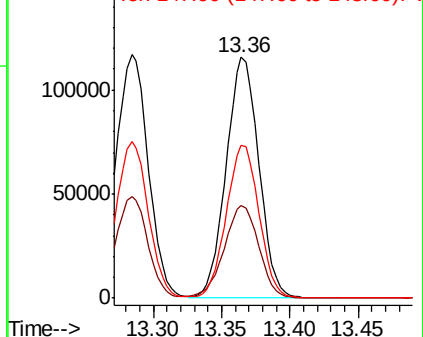
146 100

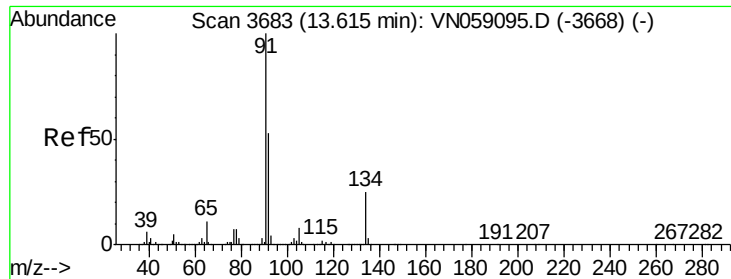
111 40.4 20.3 60.9

148 63.2 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

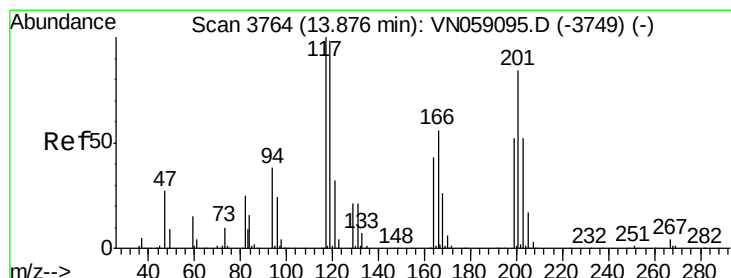
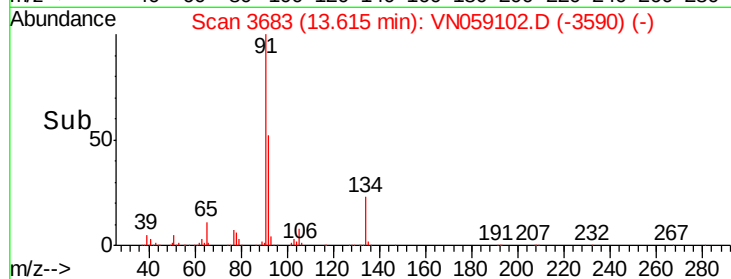
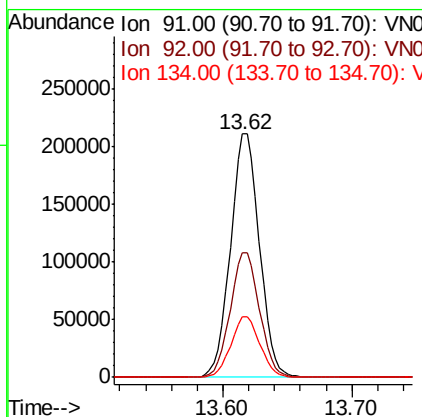
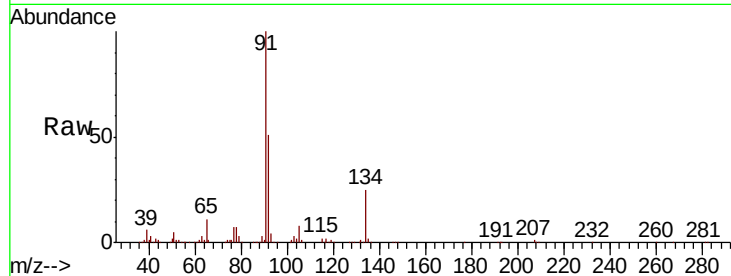




#89
n-Butylbenzene
Concen: 19.600 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

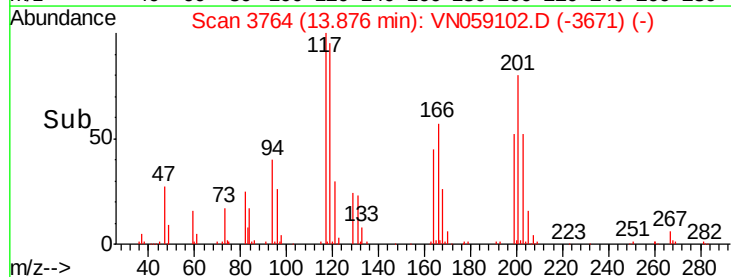
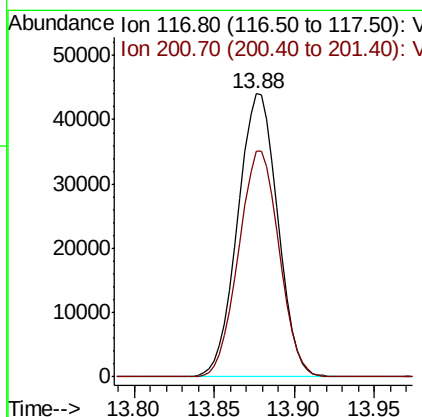
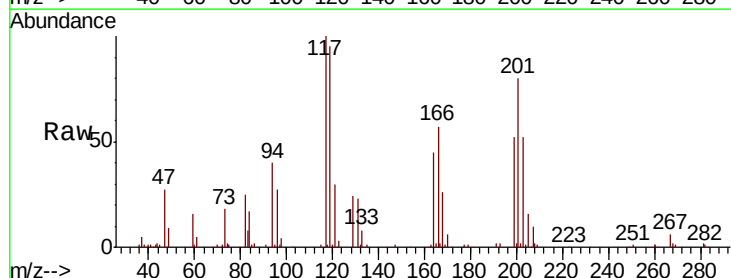
Instrument :
MSVOA_N
ClientSampled :
VN1106WBS01

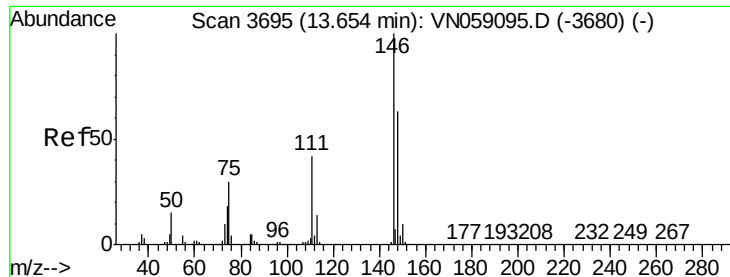
Tot Ion: 91 Resp: 328111
Ion Ratio Lower Upper
91 100
92 51.7 26.1 78.3
134 25.0 12.6 37.8



#90
Hexachloroethane
Concen: 19.558 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059102.D
Acq: 6 Nov 2019 13:12

Tgt Ion: 117 Resp: 75119
Ion Ratio Lower Upper
117 100
201 80.8 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 20.259 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

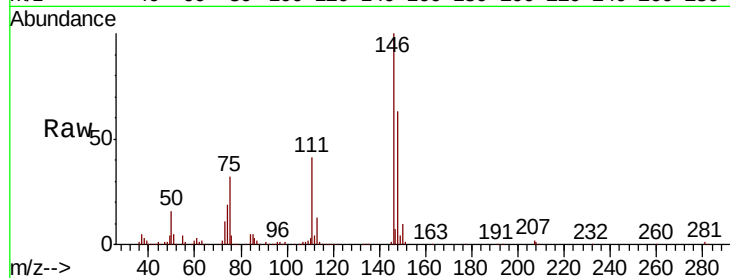
Tot Ion:146 Resp: 195159

Ion Ratio Lower Upper

146 100

111 42.2 21.2 63.6

148 63.8 31.6 94.7

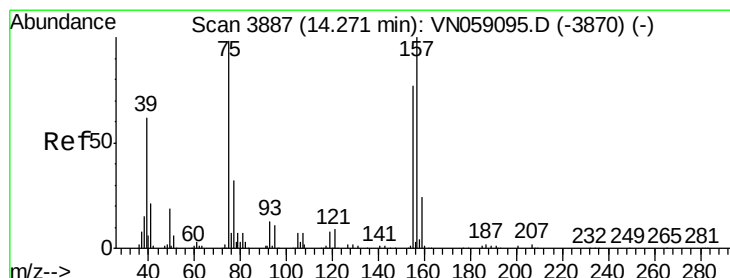
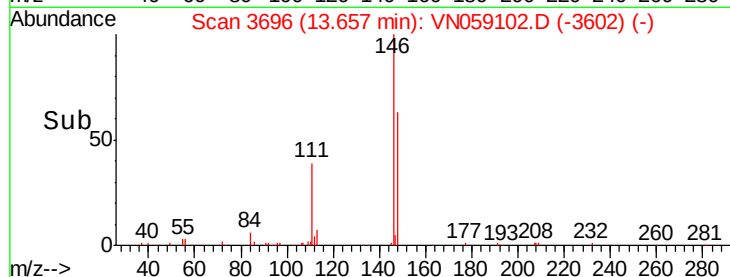
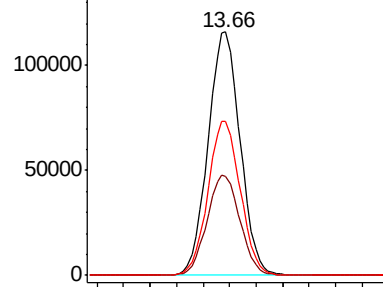


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.015 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

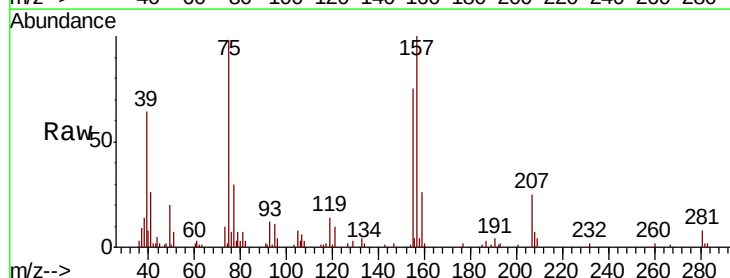
Tgt Ion: 75 Resp: 32476

Ion Ratio Lower Upper

75 100

155 76.6 40.2 120.6

157 99.0 51.8 155.5

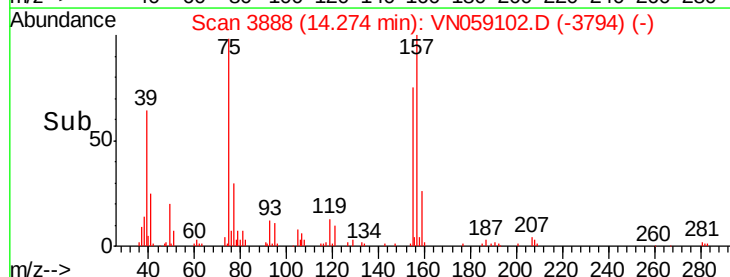
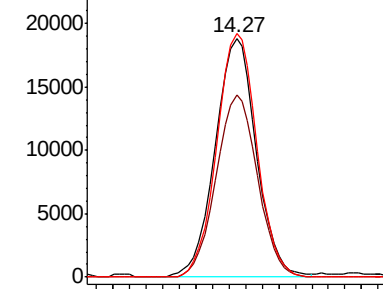


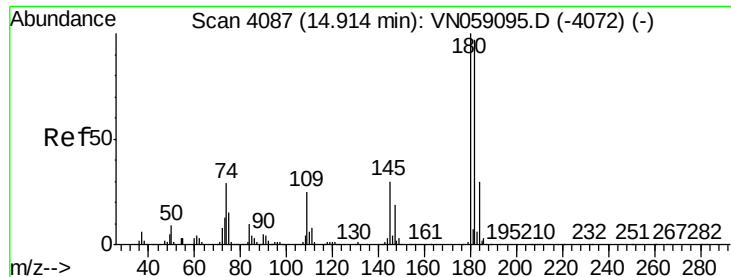
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

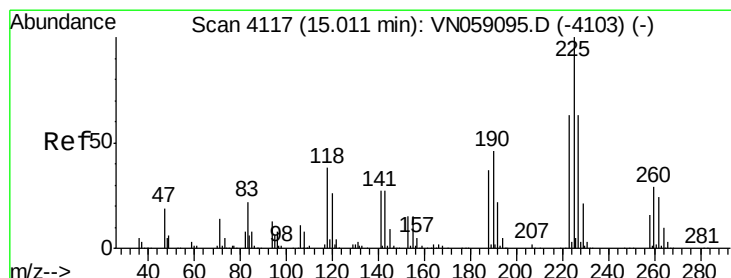
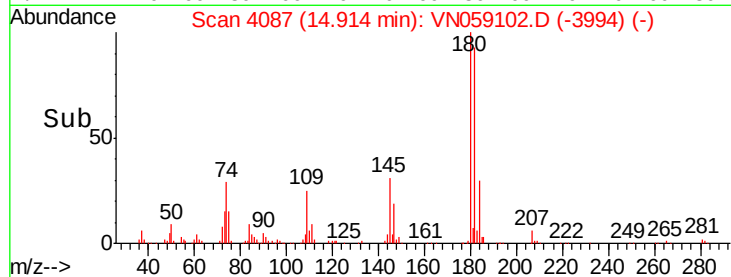
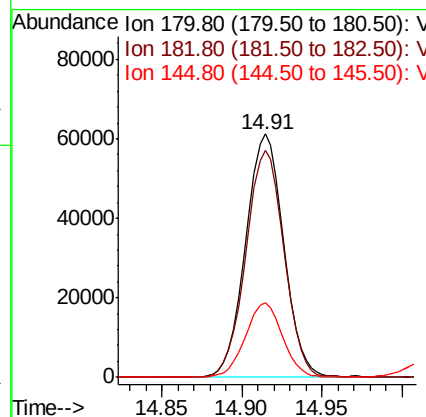
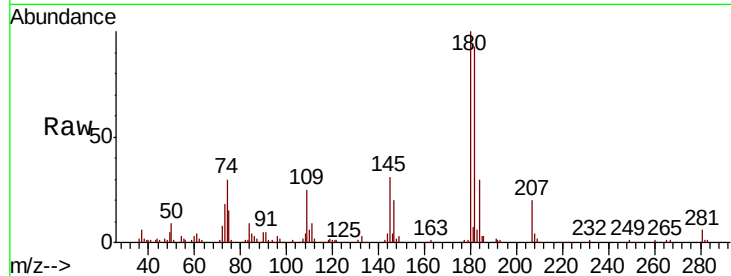




#93
 1,2,4-Trichlorobenzene
 Concen: 18.982 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059102.D
 Acq: 6 Nov 2019 13:12

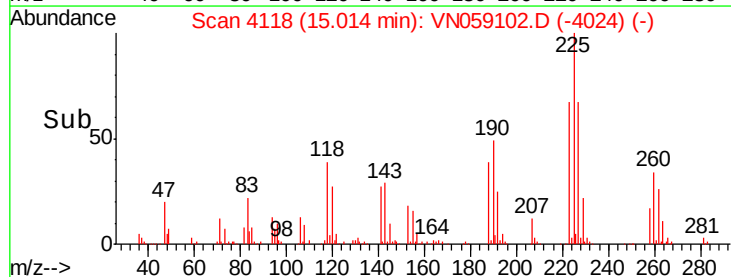
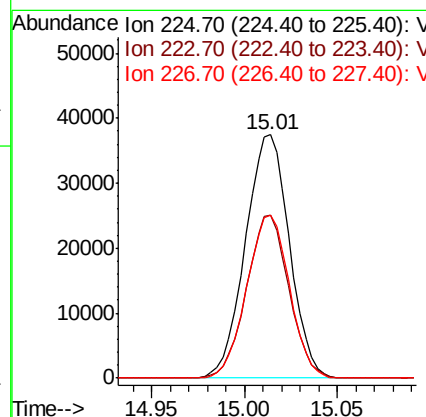
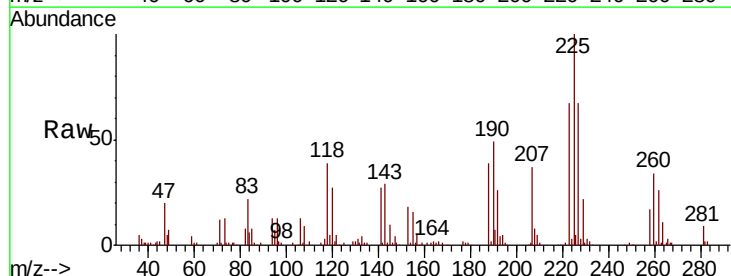
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

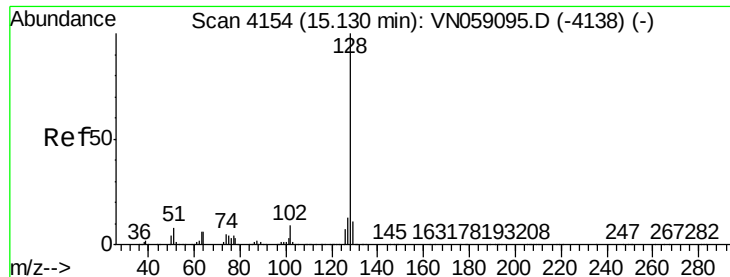
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.1	144.3
145	30.0	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 18.623 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059102.D
 Acq: 6 Nov 2019 13:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.3	93.9
227	65.3	31.5	94.5





#95

Naphthalene

Concen: 18.435 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBS01

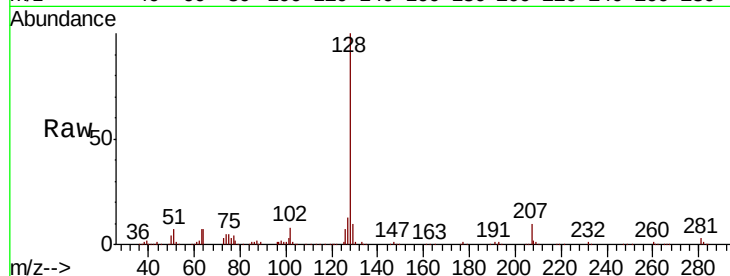
Tot Ion:128 Resp: 265736

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

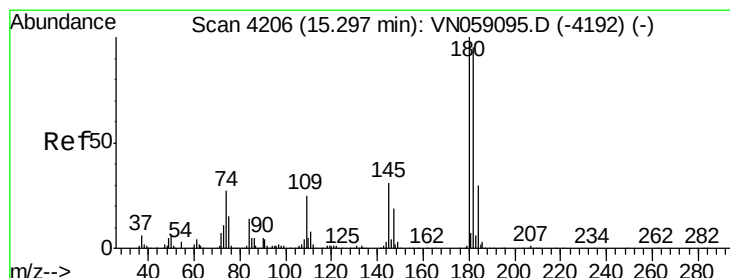
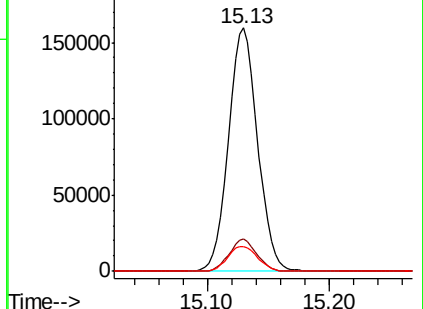
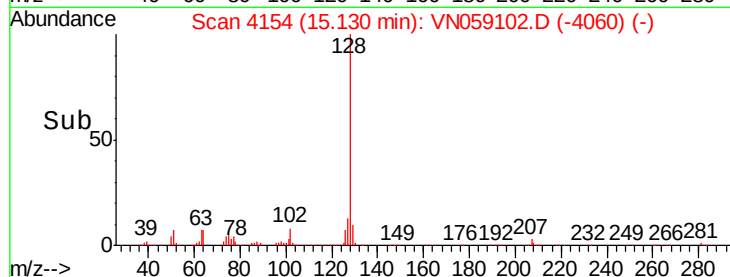
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.766 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059102.D

Acq: 6 Nov 2019 13:12

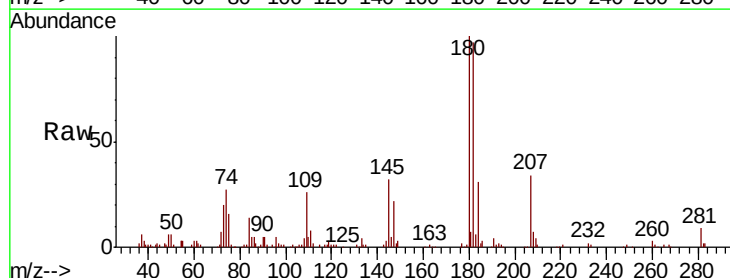
Tgt Ion:180 Resp: 101315

Ion Ratio Lower Upper

180 100

182 96.1 47.3 141.8

145 31.9 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

