

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058282.D
 Acq On : 23 Sep 2019 11:28
 Operator : JC/SP
 Sample : VN0923WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Quant Time: Sep 23 13:00:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	434697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	760119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	675716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	313142	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	327229	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
35) Dibromofluoromethane	7.57	113	231967	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	10.09	98	894610	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.41	95	318564	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	64933	18.184	ug/l	99
3) Chloromethane	2.03	50	57703	20.351	ug/l	98
4) Vinyl Chloride	2.17	62	62516	20.230	ug/l	98
5) Bromomethane	2.55	94	33875	21.676	ug/l	99
6) Chloroethane	2.69	64	42748	21.161	ug/l	98
7) Trichlorofluoromethane	3.00	101	94316	19.350	ug/l	98
8) Diethyl Ether	3.39	74	44462	19.908	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70458	20.049	ug/l	99
10) Methyl Iodide	3.93	142	52740	17.910	ug/l	99
11) Tert butyl alcohol	4.76	59	83146	115.449	ug/l	100
12) 1,1-Dichloroethene	3.72	96	54468	20.212	ug/l	93
13) Acrolein	3.59	56	9123	85.477	ug/l	89
14) Allyl chloride	4.30	41	109559	19.052	ug/l	96
15) Acrylonitrile	4.96	53	220568	114.951	ug/l	100
16) Acetone	3.80	43	202432	98.501	ug/l	97
17) Carbon Disulfide	4.03	76	70149	18.857	ug/l	98
18) Methyl Acetate	4.30	43	119678	22.131	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	278983	21.048	ug/l	98
20) Methylene Chloride	4.53	84	79244	21.899	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	59072	20.086	ug/l	94
22) Diisopropyl ether	5.93	45	300632	20.581	ug/l	96
23) Vinyl Acetate	5.87	43	1100256	110.080	ug/l	99
24) 1,1-Dichloroethane	5.82	63	159756	20.492	ug/l	99
25) 2-Butanone	6.82	43	311648	111.308	ug/l	100
26) 2,2-Dichloropropane	6.81	77	124599	18.839	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	88637	20.107	ug/l	99
28) Bromochloromethane	7.18	49	84395	22.883	ug/l	99
29) Tetrahydrofuran	7.19	42	191998	111.326	ug/l	99
30) Chloroform	7.36	83	172333	20.536	ug/l	99
31) Cyclohexane	7.64	56	108210	20.025	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	133111	20.836	ug/l	99
36) 1,1-Dichloropropene	7.78	75	97439	17.776	ug/l	99
37) Ethyl Acetate	6.91	43	121659	21.386	ug/l #	92
38) Carbon Tetrachloride	7.76	117	104798	19.019	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	93719	17.729	ug/l	94
40) Benzene	8.03	78	318969	19.051	ug/l	99
41) Methacrylonitrile	7.15	41	57761	20.699	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	140183	19.954	ug/l	99
43) Isopropyl Acetate	8.15	43	202697	19.079	ug/l #	93
44) Trichloroethene	8.82	130	77630	18.947	ug/l	99
45) 1,2-Dichloropropane	9.11	63	100779	20.156	ug/l	96
46) Dibromomethane	9.20	93	61823	20.337	ug/l	96
47) Bromodichloromethane	9.40	83	129674	20.362	ug/l	98
48) Methyl methacrylate	9.19	41	98514	20.422	ug/l	97
49) 1,4-Dioxane	9.19	88	34150	431.195	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	670589	118.833	ug/l	98
52) Toluene	10.15	92	198725	18.939	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	126531	19.396	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	140013	19.440	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	97121	20.857	ug/l	99
56) Ethyl methacrylate	10.43	69	136705	20.348	ug/l	99
57) 1,3-Dichloropropane	10.71	76	163607	20.438	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	361680	113.019	ug/l	99
59) 2-Hexanone	10.75	43	480279	114.595	ug/l	98
60) Dibromochloromethane	10.90	129	90241	20.144	ug/l	99
61) 1,2-Dibromoethane	11.00	107	86411	20.024	ug/l	100
64) Tetrachloroethene	10.63	164	60069	18.236	ug/l	98
65) Chlorobenzene	11.43	112	234155	19.701	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	89155	20.687	ug/l	99
67) Ethyl Benzene	11.51	91	407490	20.009	ug/l	98
68) m/p-Xylenes	11.62	106	293347	38.245	ug/l	95
69) o-Xylene	11.95	106	147696	19.583	ug/l	98
70) Styrene	11.97	104	256501	19.739	ug/l	99
71) Bromoform	12.13	173	55824	19.810	ug/l #	99
73) Isopropylbenzene	12.25	105	415744	21.211	ug/l	99
74) N-amyl acetate	12.07	43	179094	21.841	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	153058	23.319	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	178554	31.860	ug/l #	100
77) Bromobenzene	12.53	156	101326	20.551	ug/l	100
78) n-propylbenzene	12.60	91	493823	22.171	ug/l	98
79) 2-Chlorotoluene	12.68	91	296622	21.309	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	355079	21.423	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	33712	21.614	ug/l	97
82) 4-Chlorotoluene	12.78	91	304937	20.840	ug/l	100
83) tert-Butylbenzene	13.00	119	311622	21.083	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	354139	21.470	ug/l	98
85) sec-Butylbenzene	13.18	105	420009	21.730	ug/l	99
86) p-Isopropyltoluene	13.30	119	372194	21.660	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	186808	20.744	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	185931	20.224	ug/l	98
89) n-Butylbenzene	13.62	91	332394	20.403	ug/l	99
90) Hexachloroethane	13.88	117	59470	21.445	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	187667	20.775	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26764	22.649	ug/l	96

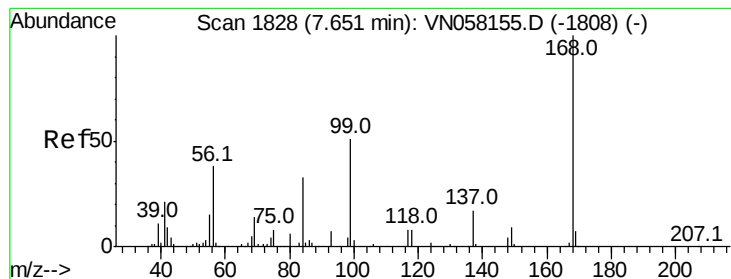
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	109095	18.902	ug/l	99
94) Hexachlorobutadiene	15.02	225	51527	18.471	ug/l	99
95) Naphthalene	15.13	128	311301	20.812	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	107542	19.714	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

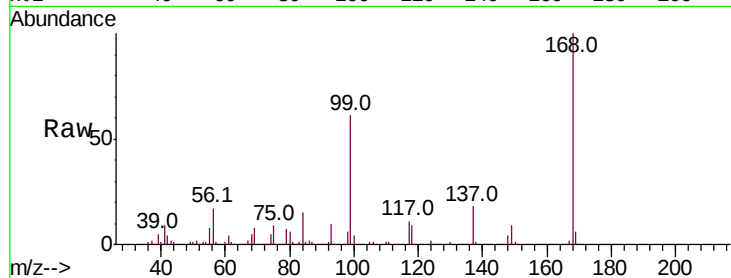
VN0923WBS01

Tot Ion:168 Resp: 434697

Ion Ratio Lower Upper

168 100

99 60.2 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

100000

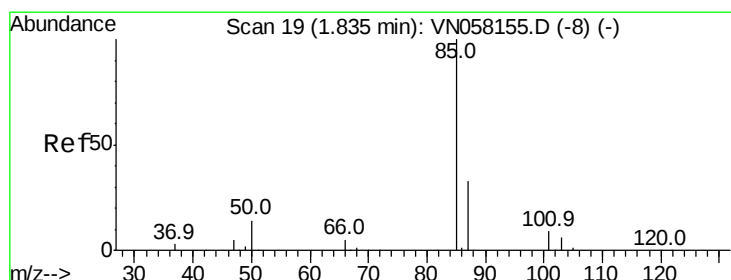
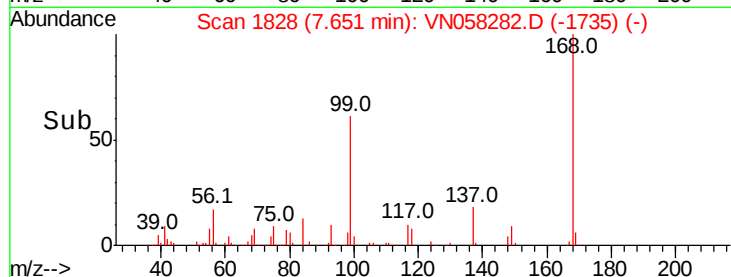
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.184 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058282.D

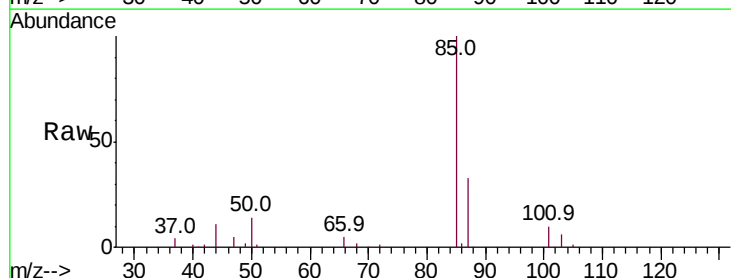
Acq: 23 Sep 2019 11:28

Tgt Ion: 85 Resp: 64933

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

30000

20000

10000

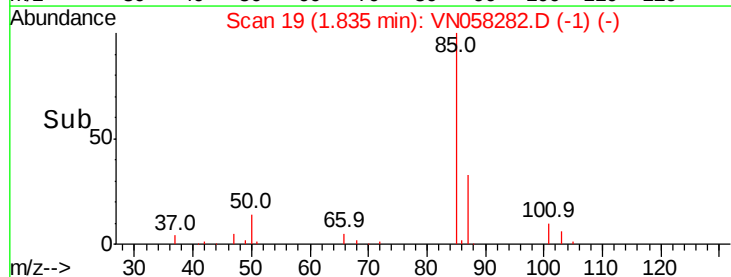
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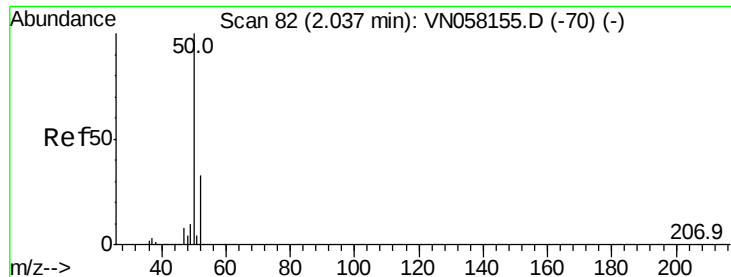
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 20.351 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

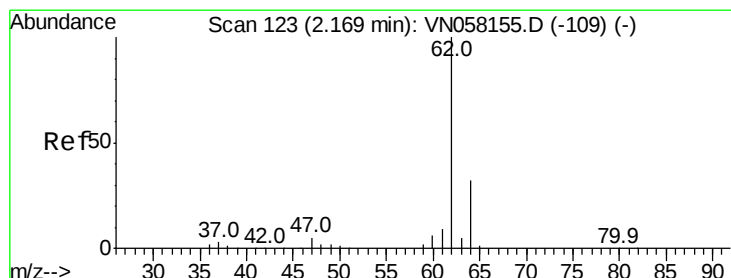
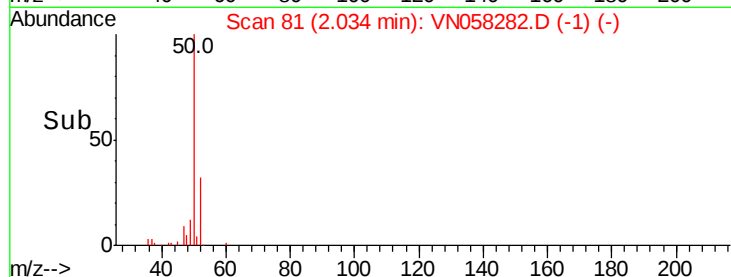
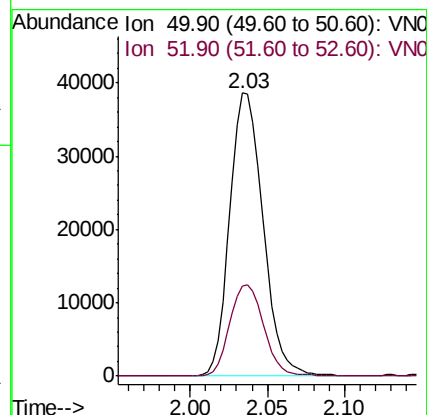
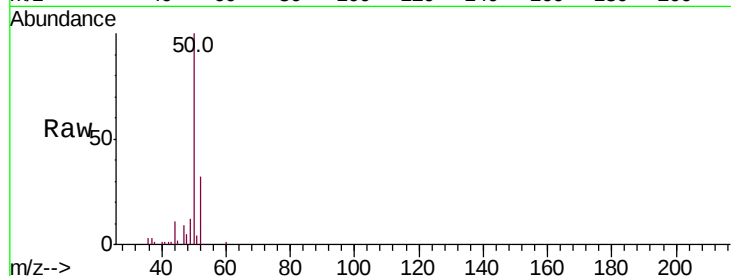
VN0923WBS01

Tot Ion: 50 Resp: 57703

Ion Ratio Lower Upper

50 100

52 31.9 26.3 39.5



#4

Vinyl Chloride

Concen: 20.230 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058282.D

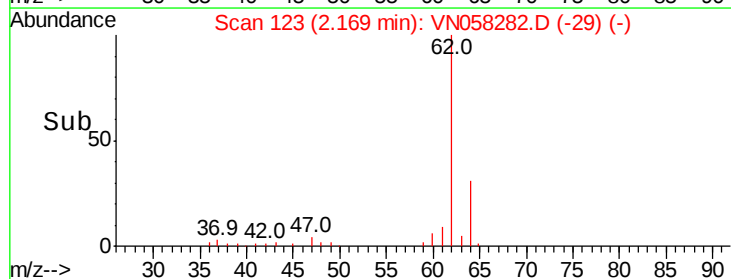
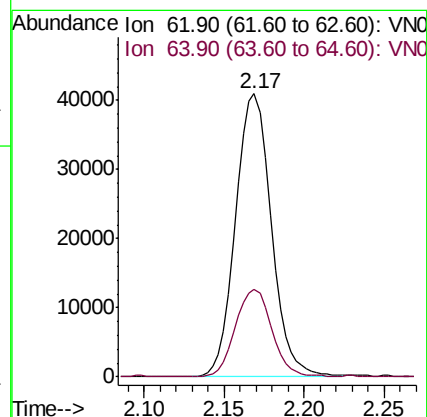
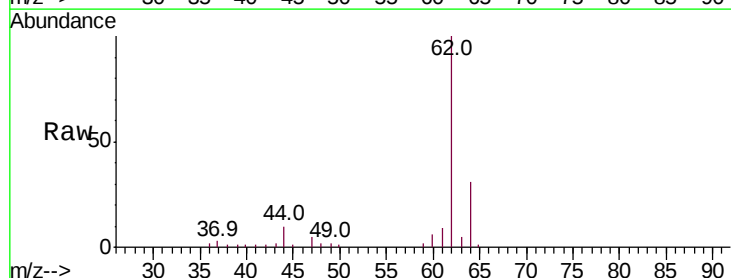
Acq: 23 Sep 2019 11:28

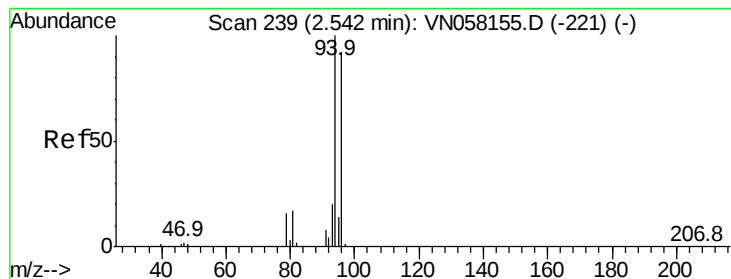
Tgt Ion: 62 Resp: 62516

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.2





#5

Bromomethane

Concen: 21.676 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

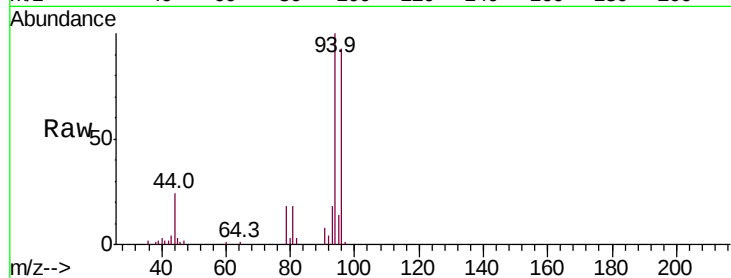
VN0923WBS01

Tot Ion: 94 Resp: 33875

Ion Ratio Lower Upper

94 100

96 92.9 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

20000

15000

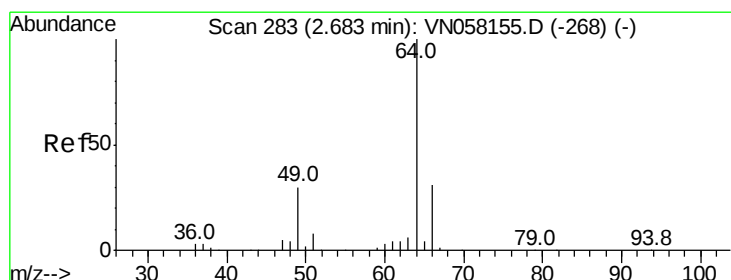
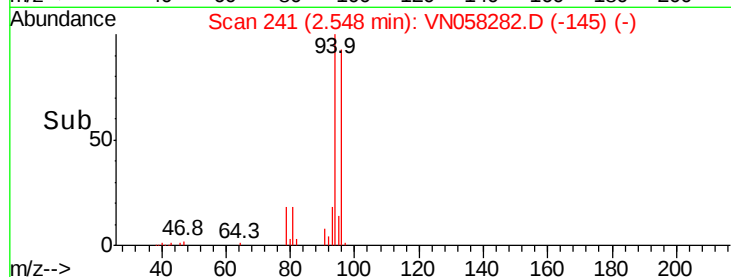
10000

5000

0

Time--> 2.45 2.50 2.55 2.60 2.65

2.55



#6

Chloroethane

Concen: 21.161 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058282.D

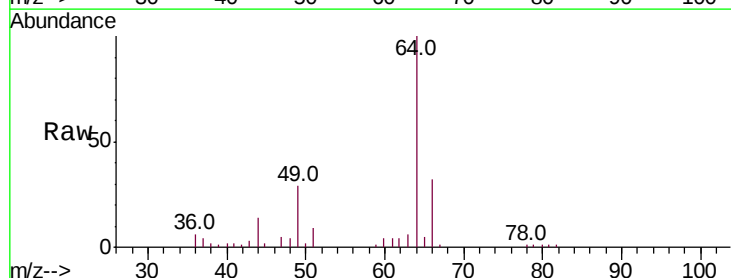
Acq: 23 Sep 2019 11:28

Tgt Ion: 64 Resp: 42748

Ion Ratio Lower Upper

64 100

66 31.9 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

25000

20000

15000

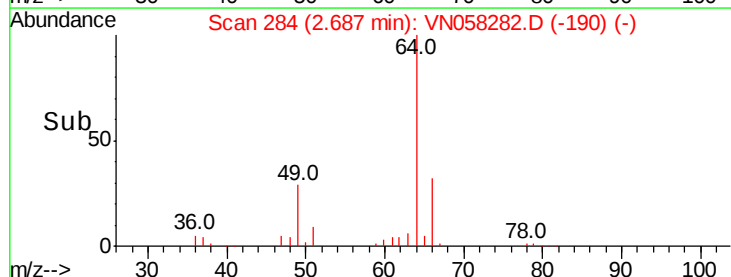
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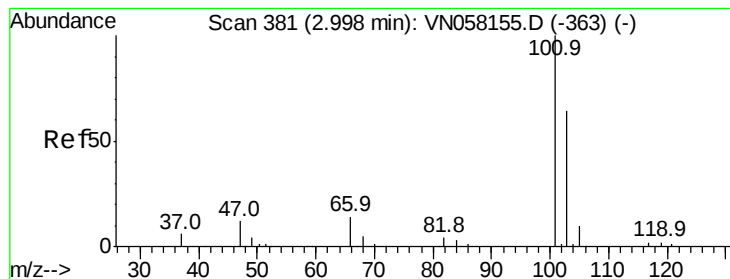
5000

0

Time--> 2.60 2.65 2.70 2.75

2.69



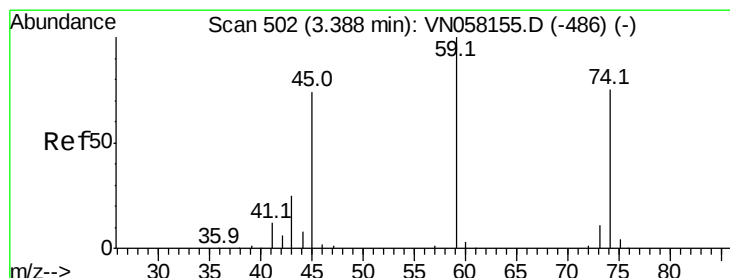
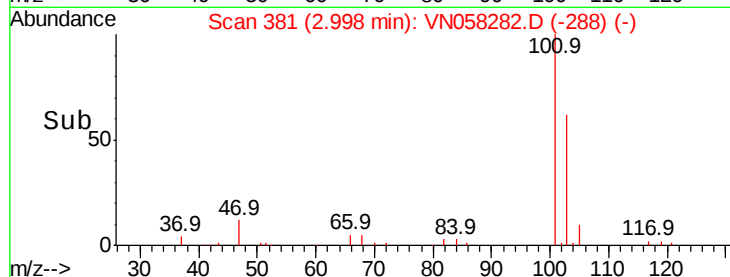
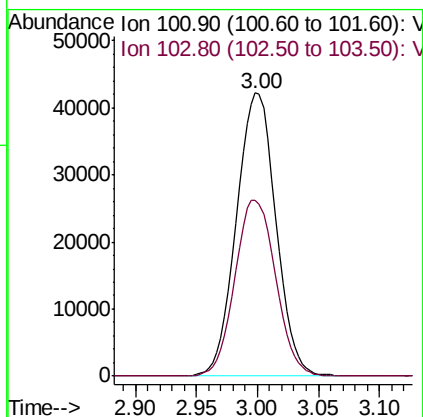
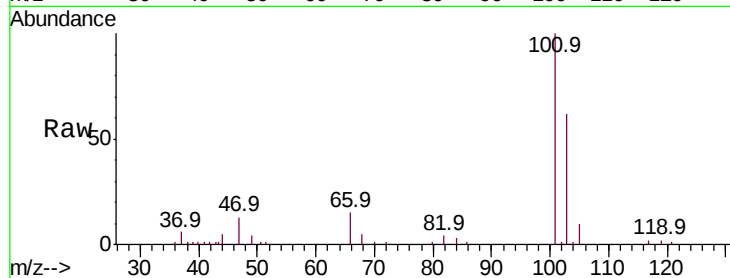


#7

Trichlorofluoromethane
 Concen: 19.350 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Instrument :
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 VN0923WBS01

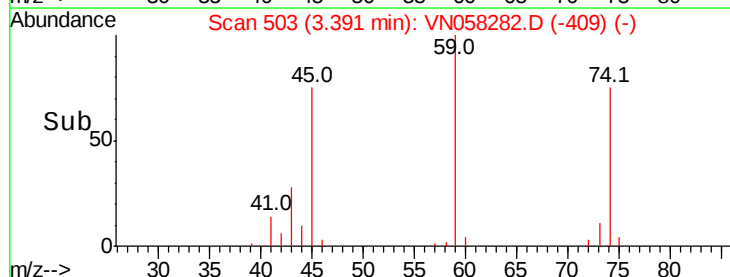
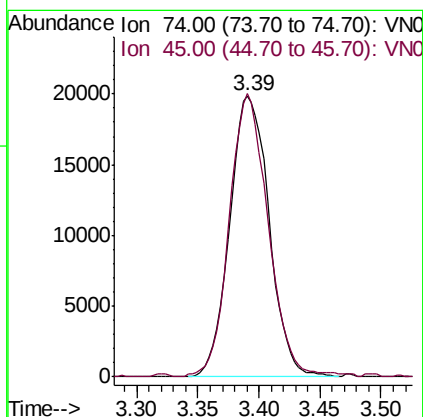
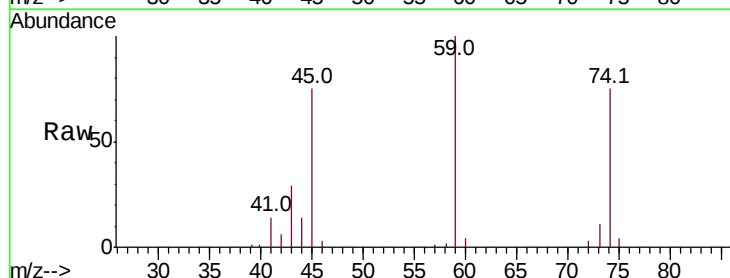
Tot Ion:101 Resp: 94316
 Ion Ratio Lower Upper
 101 100
 103 62.3 51.0 76.6

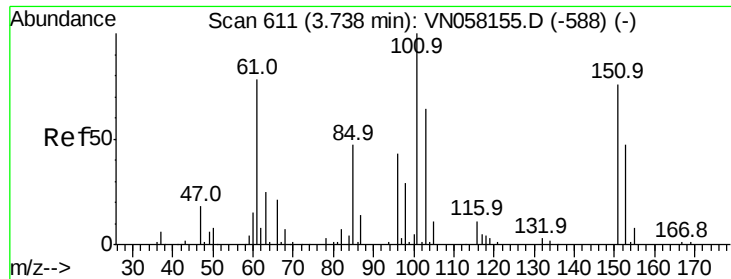


#8

Diethyl Ether
 Concen: 19.908 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion: 74 Resp: 44462
 Ion Ratio Lower Upper
 74 100
 45 100.0 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.049 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

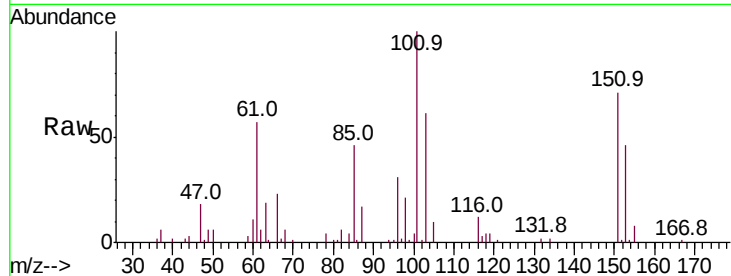
Tot Ion:101 Resp: 70458

Ion Ratio Lower Upper

101 100

85 47.1 37.3 55.9

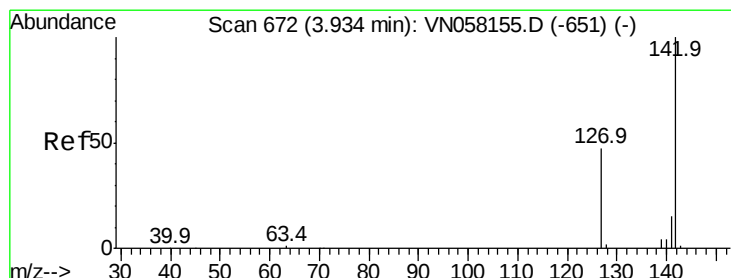
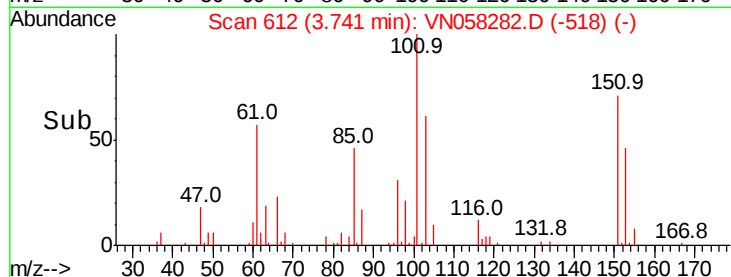
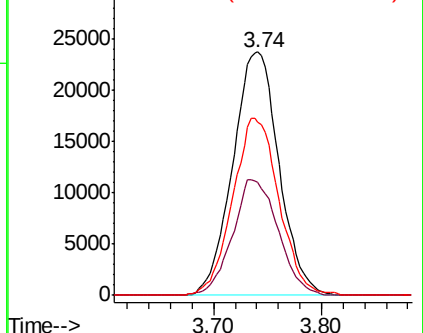
151 73.0 59.6 89.4



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: 17.910 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

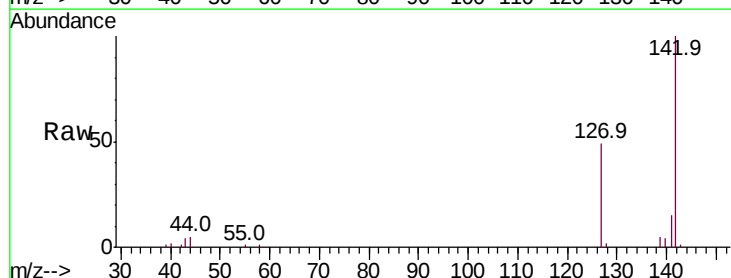
Tgt Ion:142 Resp: 52740

Ion Ratio Lower Upper

142 100

127 46.5 37.5 56.3

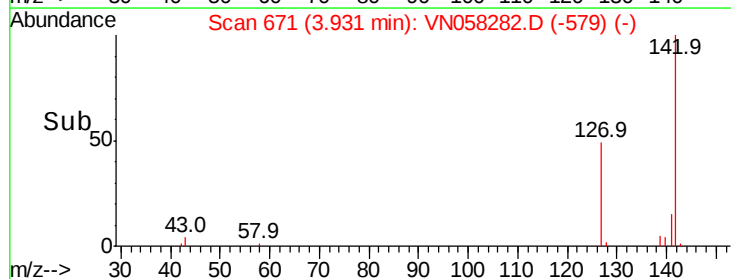
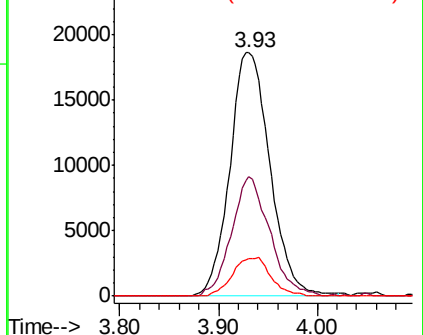
141 15.1 11.4 17.2

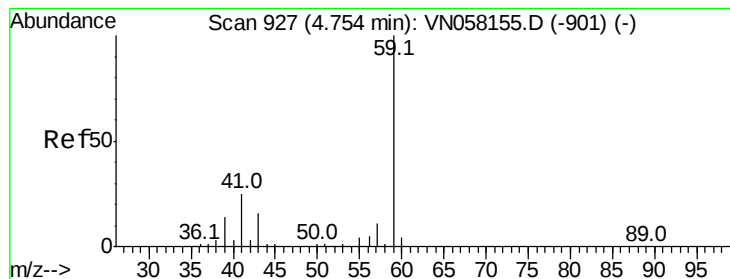


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



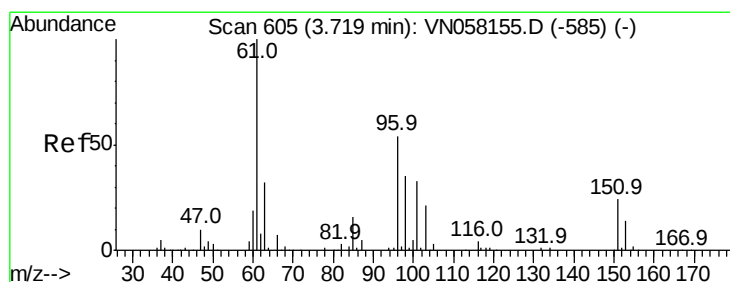
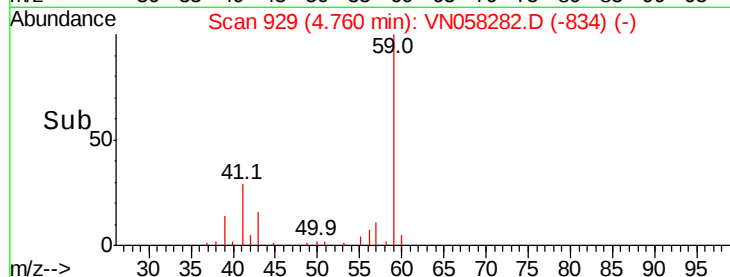
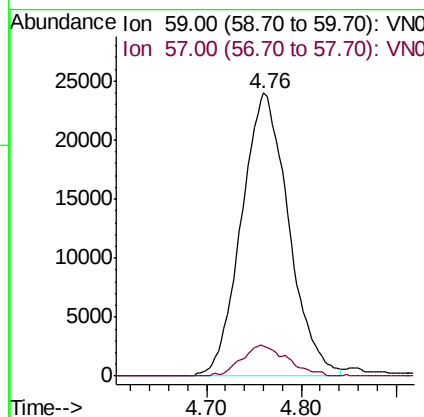
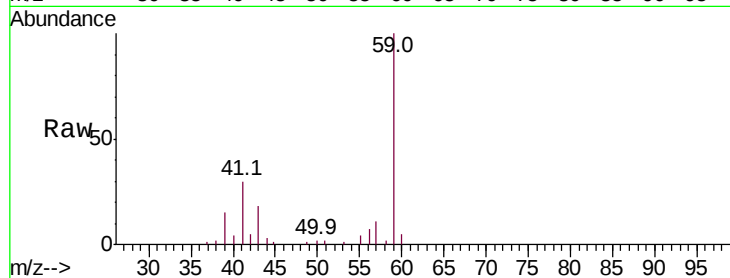


#11

Tert butyl alcohol
 Concen: 115.449 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBS01

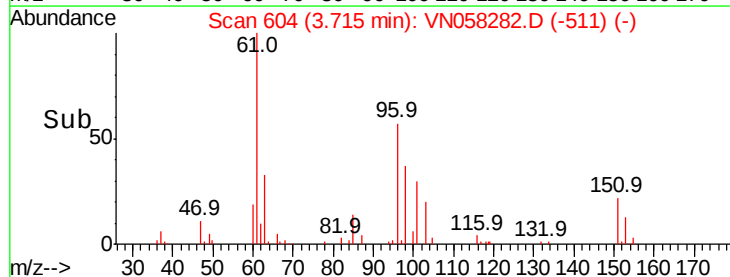
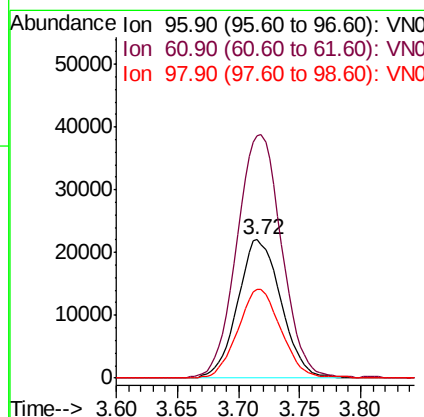
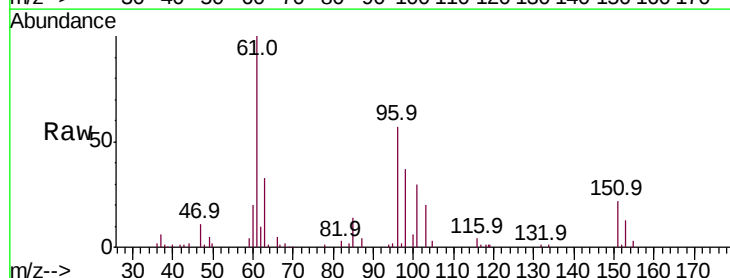
Tot Ion: 59 Resp: 83146
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.6 13.0

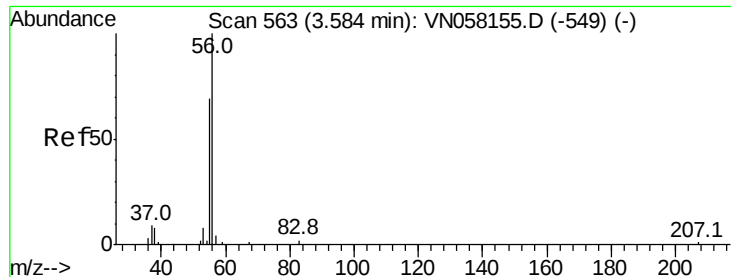


#12

1,1-Dichloroethene
 Concen: 20.212 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion: 96 Resp: 54468
 Ion Ratio Lower Upper
 96 100
 61 174.4 149.5 224.3
 98 64.2 52.4 78.6





#13

Acrolein

Concen: 85.477 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

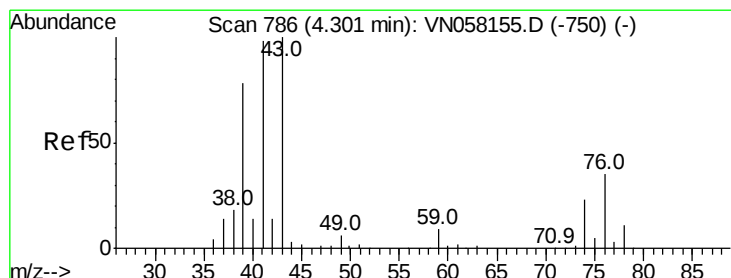
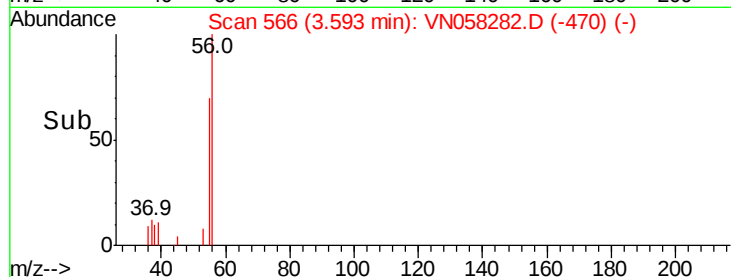
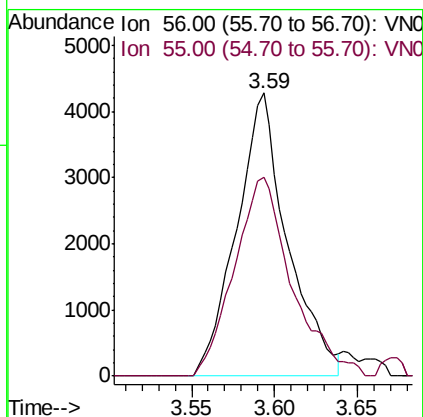
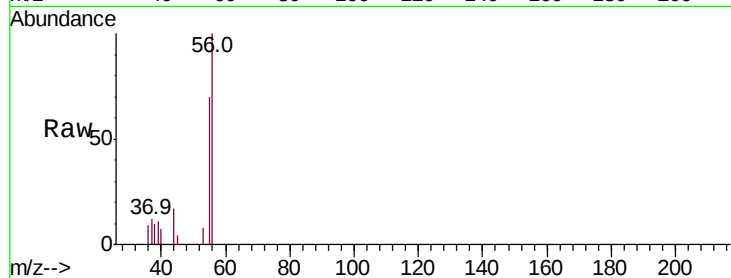
VN0923WBS01

Tot Ion: 56 Resp: 9123

Ion Ratio Lower Upper

56 100

55 79.4 56.1 84.1



#14

Allyl chloride

Concen: 19.052 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

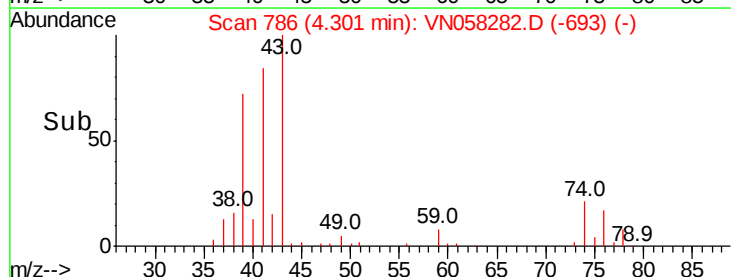
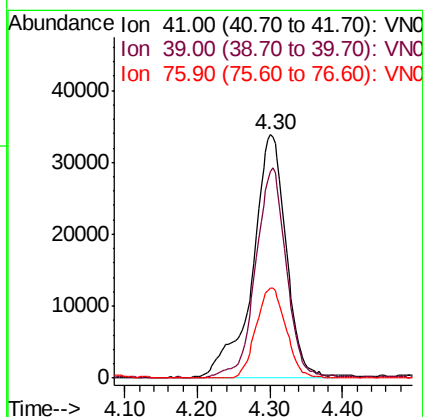
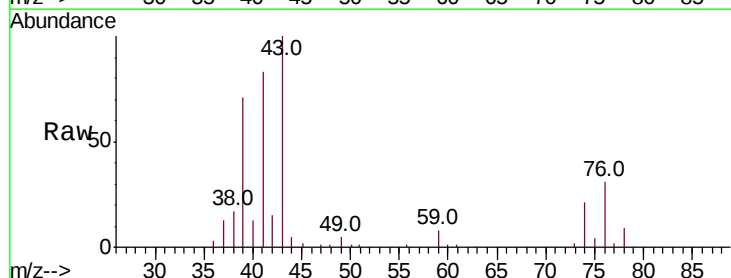
Tgt Ion: 41 Resp: 109559

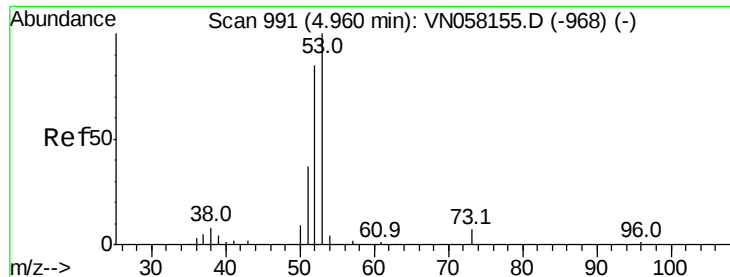
Ion Ratio Lower Upper

41 100

39 78.1 59.1 88.7

76 32.8 25.1 37.7





#15

Acrylonitrile

Concen: 114.951 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

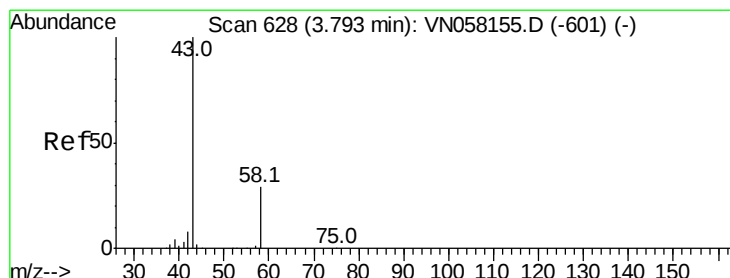
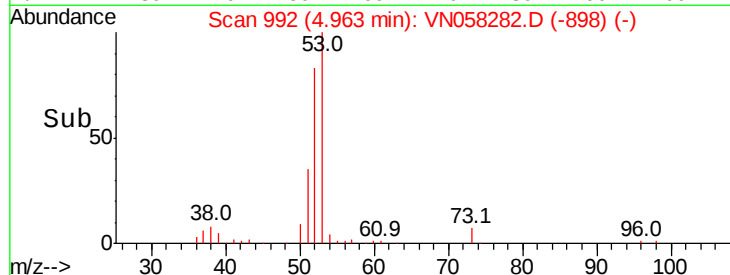
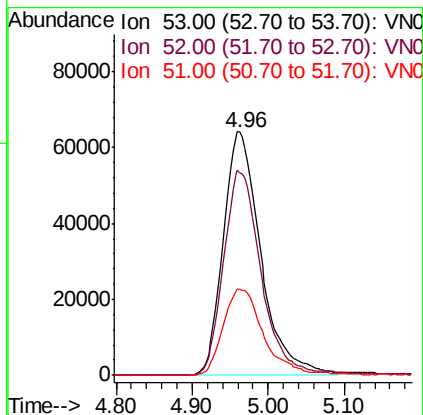
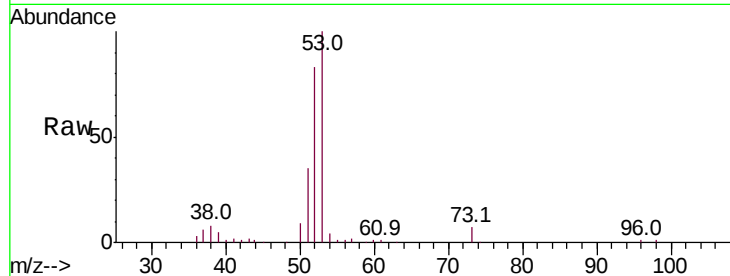
Tot Ion: 53 Resp: 220568

Ion Ratio Lower Upper

53 100

52 83.5 66.6 100.0

51 37.7 29.7 44.5



#16

Acetone

Concen: 98.501 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058282.D

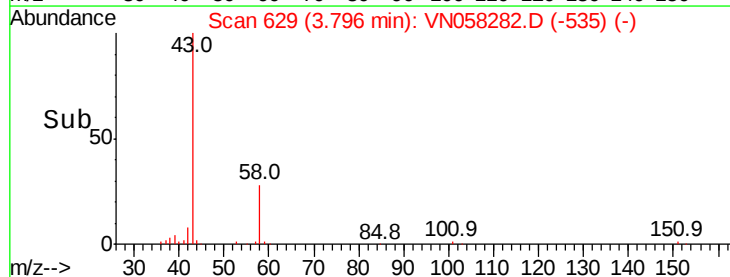
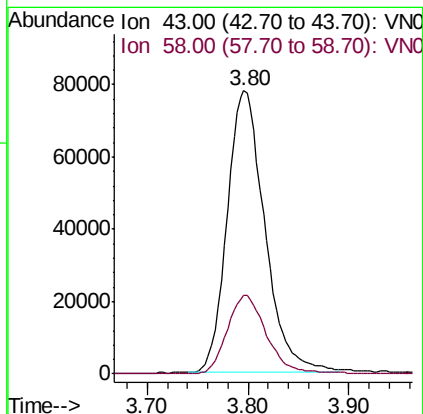
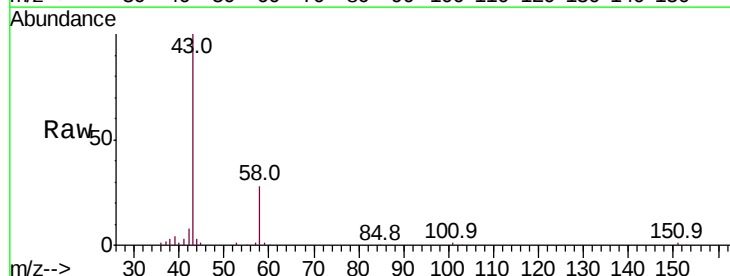
Acq: 23 Sep 2019 11:28

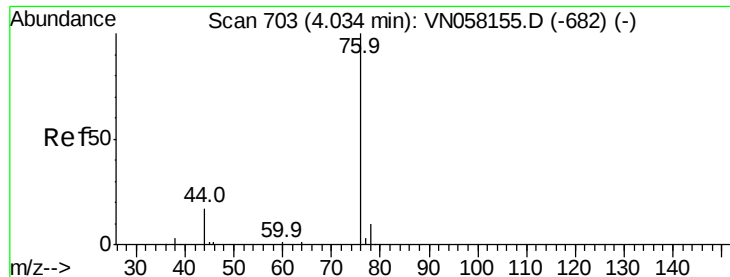
Tgt Ion: 43 Resp: 202432

Ion Ratio Lower Upper

43 100

58 27.8 23.4 35.2

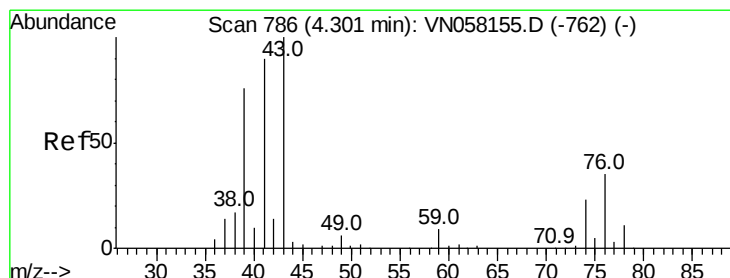
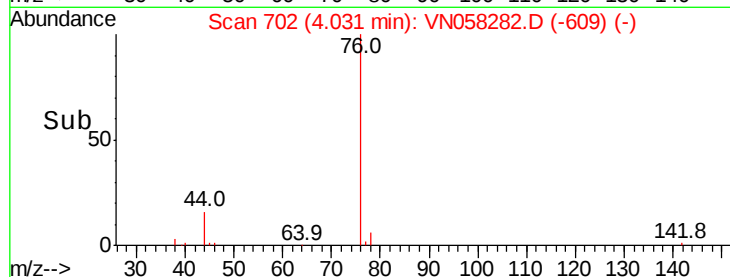
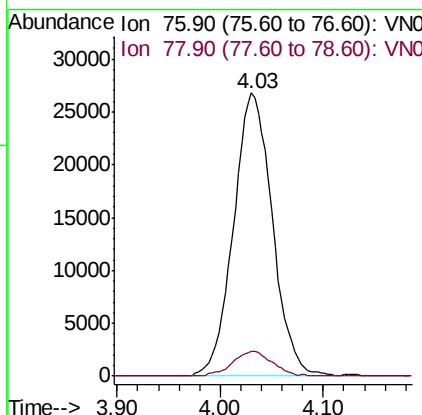
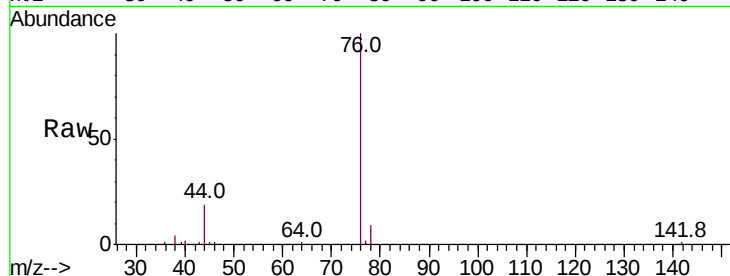




#17
Carbon Disulfide
Concen: 18.857 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

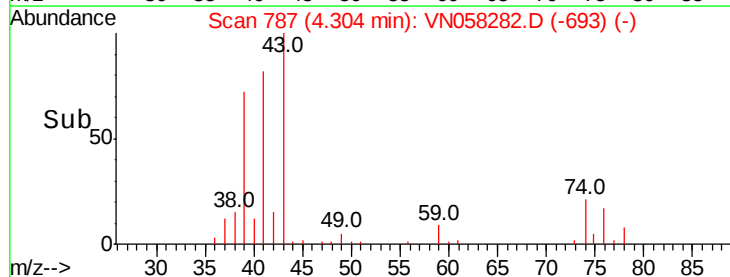
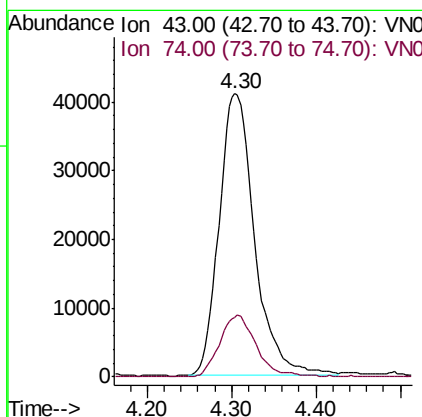
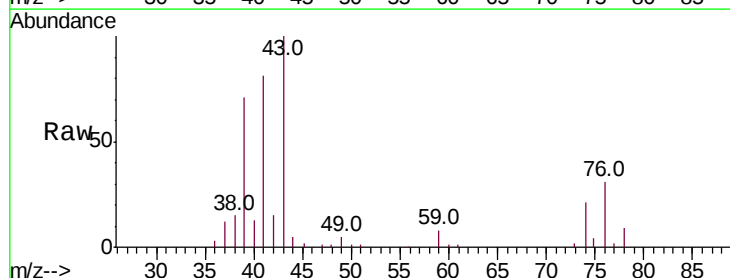
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

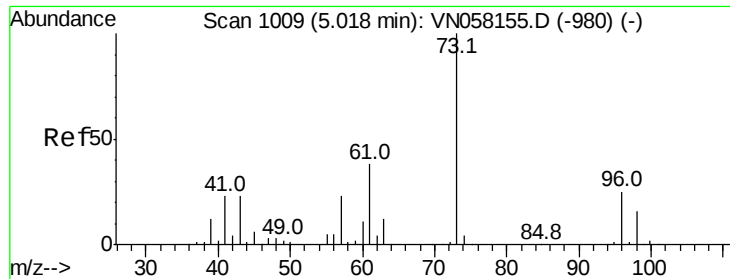
Tot Ion: 76 Resp: 70149
Ion Ratio Lower Upper
76 100
78 8.8 7.7 11.5



#18
Methyl Acetate
Concen: 22.131 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion: 43 Resp: 119678
Ion Ratio Lower Upper
43 100
74 22.6 18.0 27.0

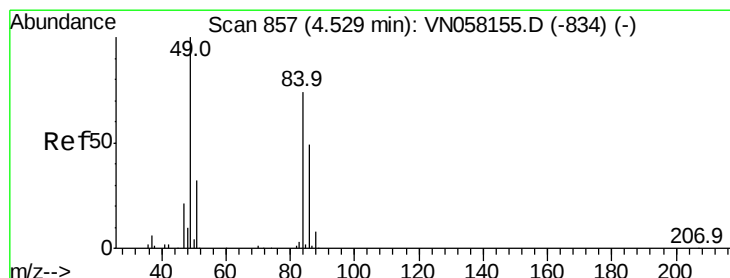
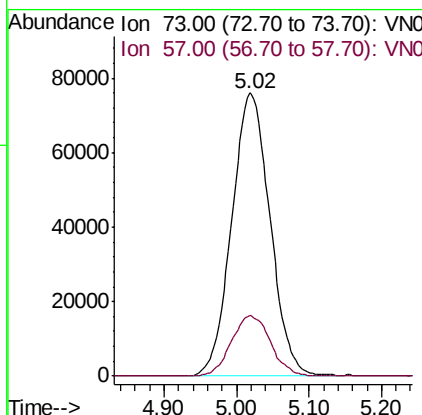
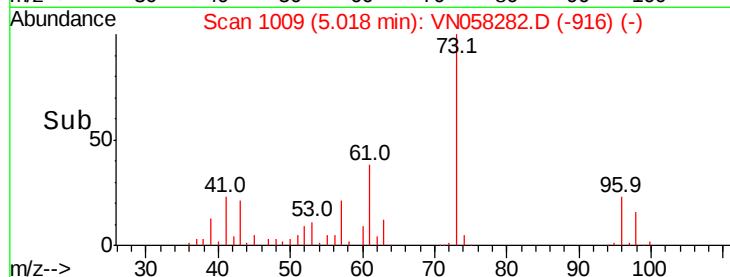
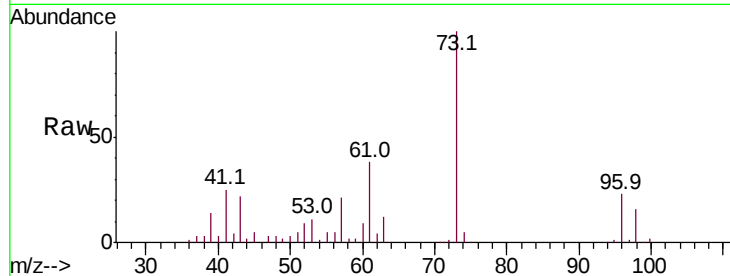




#19
Methyl tert-butyl Ether
Concen: 21.048 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

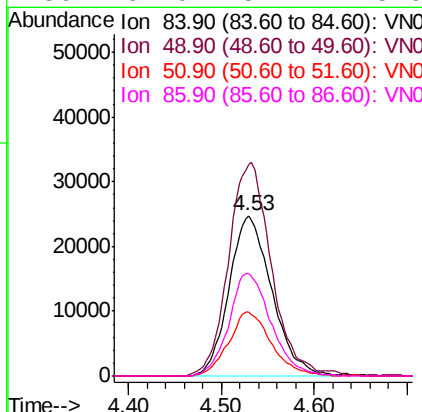
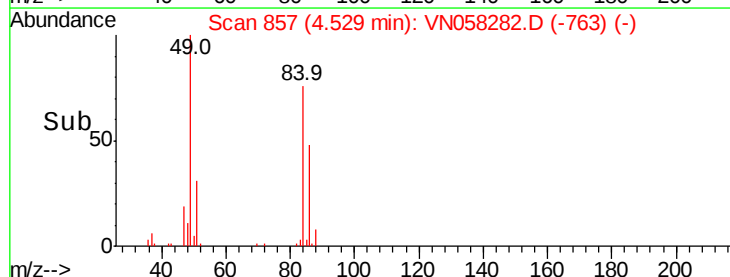
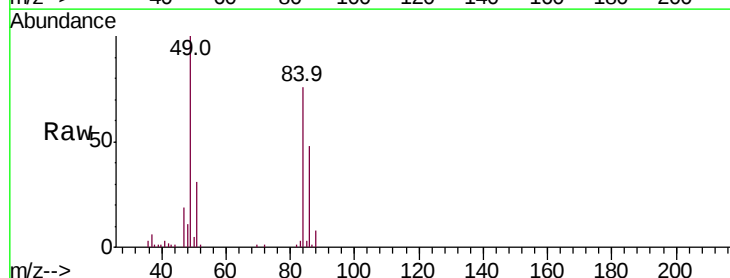
Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

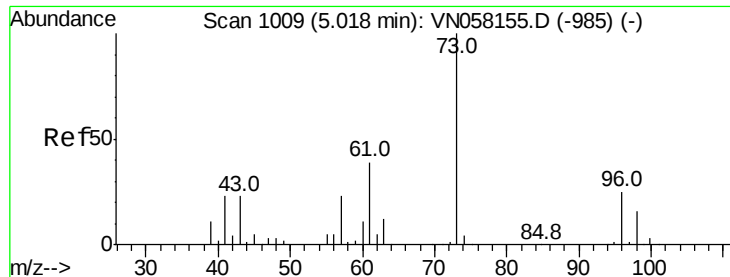
Tot Ion: 73 Resp: 278983
Ion Ratio Lower Upper
73 100
57 21.4 18.1 27.1



#20
Methylene Chloride
Concen: 21.899 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion: 84 Resp: 79244
Ion Ratio Lower Upper
84 100
49 131.2 107.5 161.3
51 40.3 33.9 50.9
86 64.0 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 20.086 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampled :

VN0923WBS01

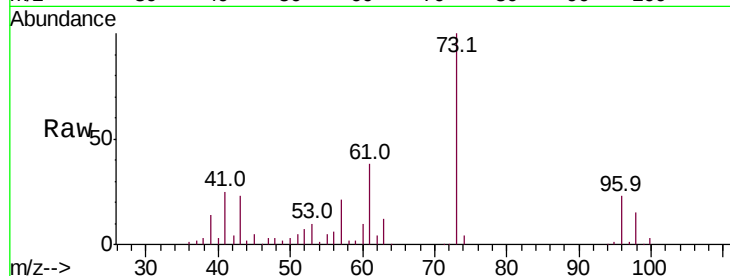
Tot Ion: 96 Resp: 59072

Ion Ratio Lower Upper

96 100

61 161.7 122.2 183.4

98 66.2 49.9 74.9

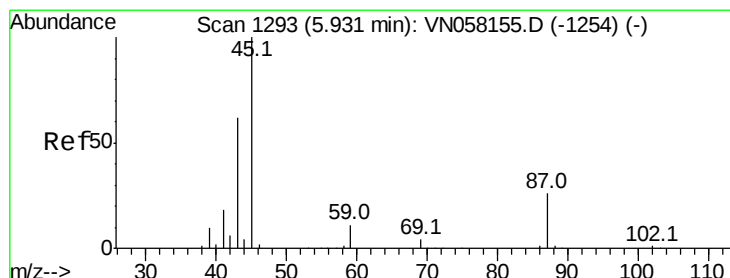
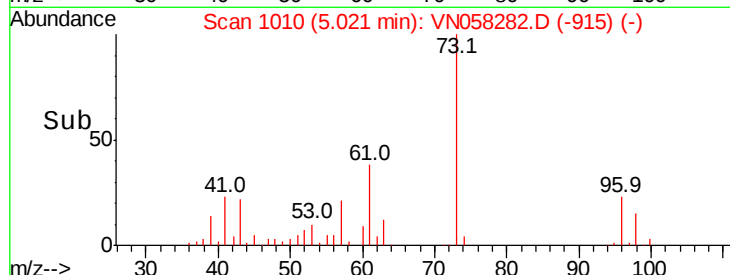
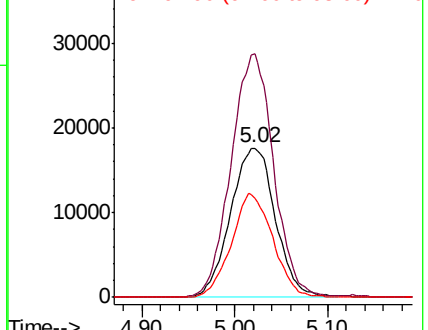


Abundance

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



#22

Diisopropyl ether

Concen: 20.581 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Tgt Ion: 45 Resp: 300632

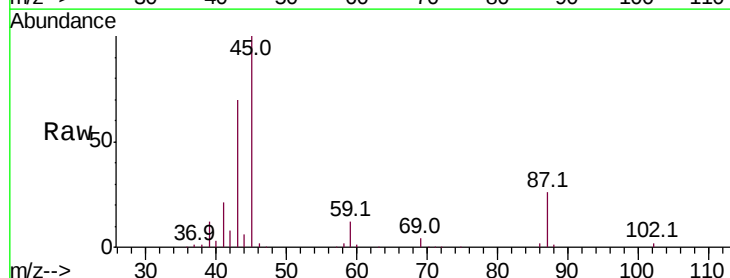
Ion Ratio Lower Upper

45 100

43 66.9 49.7 74.5

87 25.7 20.7 31.1

59 11.9 9.1 13.7



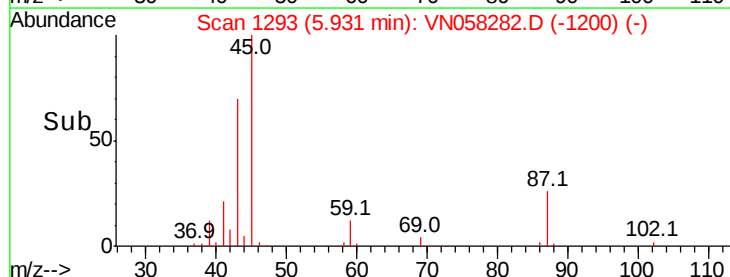
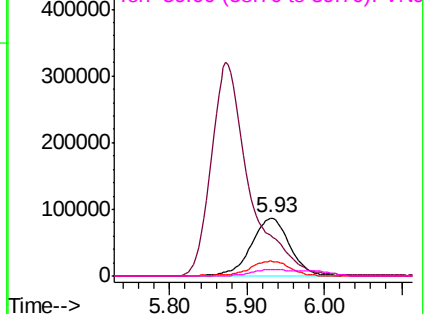
Abundance

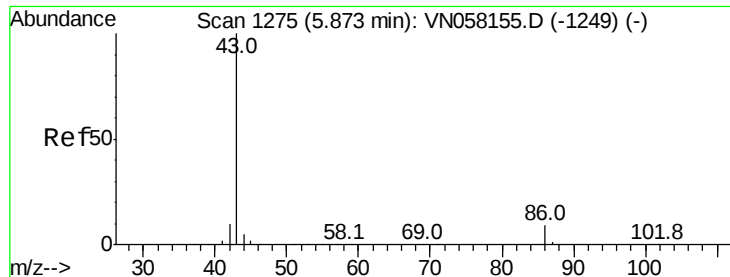
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

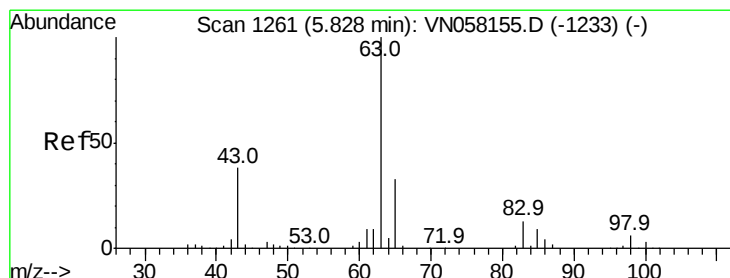
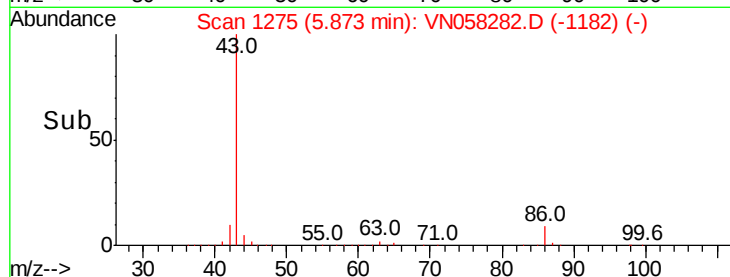
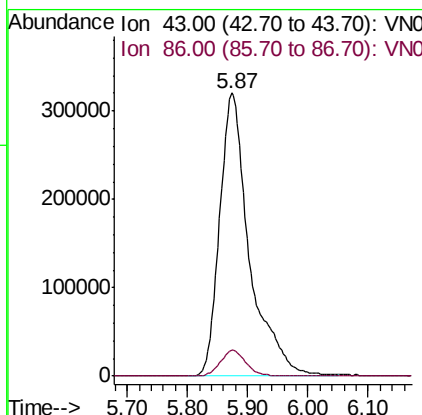
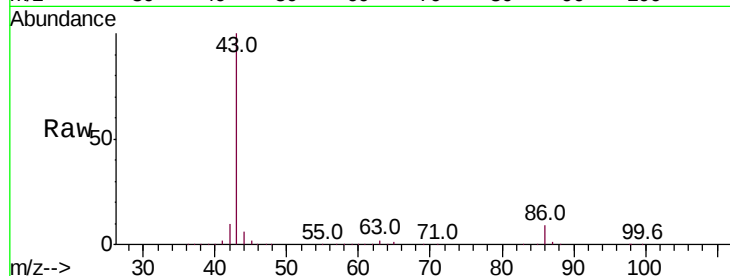




#23
 Vinyl Acetate
 Concen: 110.080 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

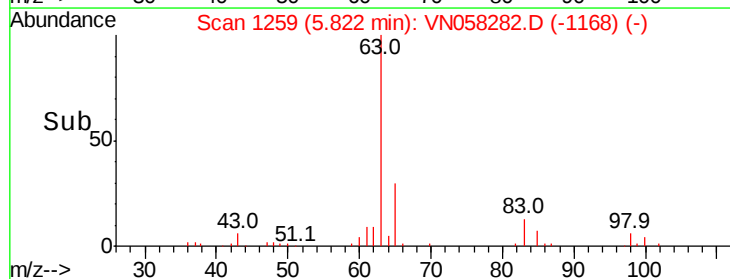
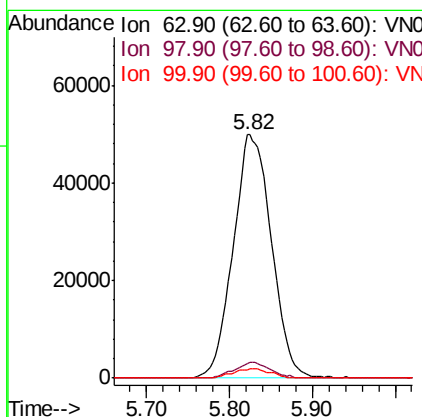
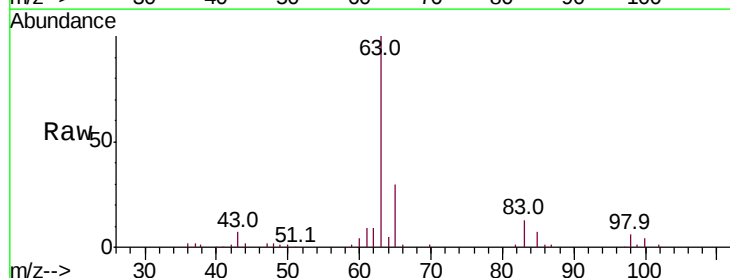
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

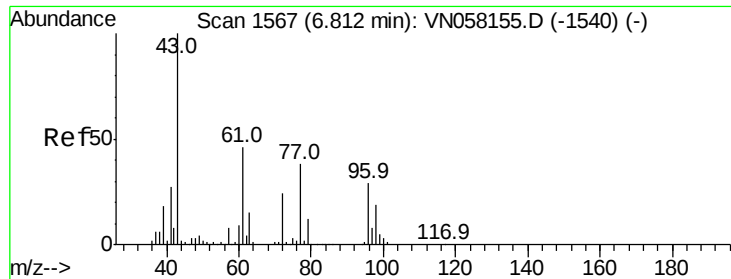
Tot Ion: 43 Resp: 1100256
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 20.492 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion: 63 Resp: 159756
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.6
 100 3.5 1.8 5.3





#25

2-Butanone

Concen: 111.308 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

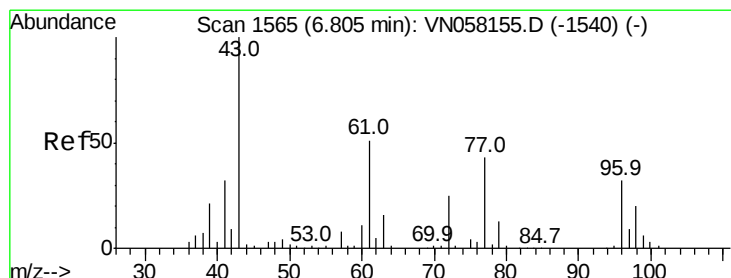
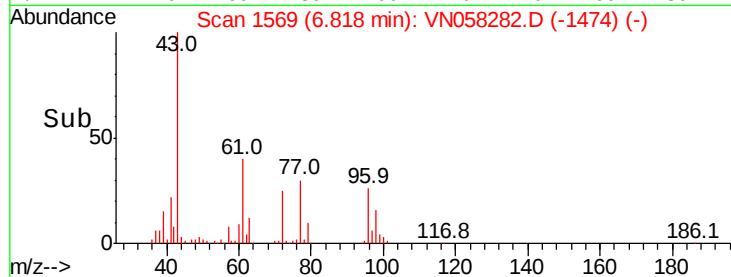
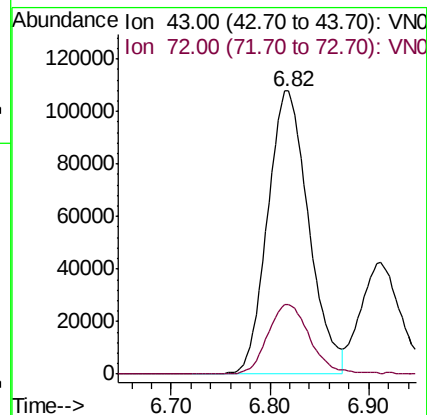
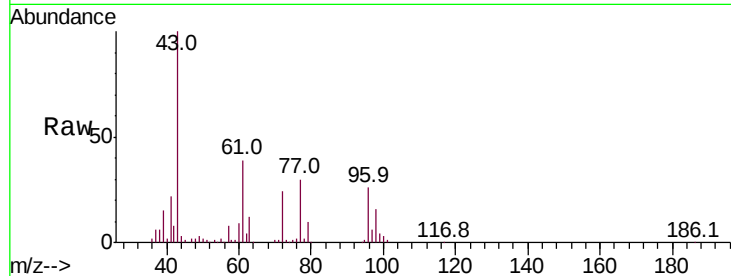
VN0923WBS01

Tot Ion: 43 Resp: 311648

Ion Ratio Lower Upper

43 100

72 24.4 19.5 29.3



#26

2,2-Dichloropropane

Concen: 18.839 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058282.D

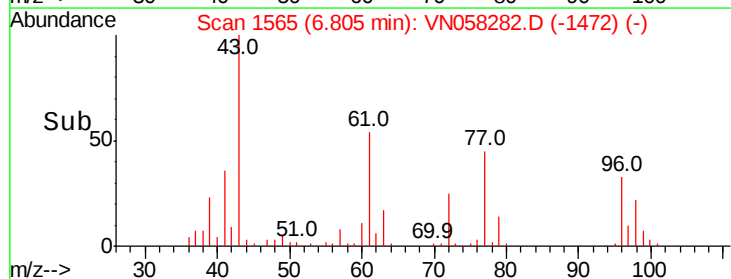
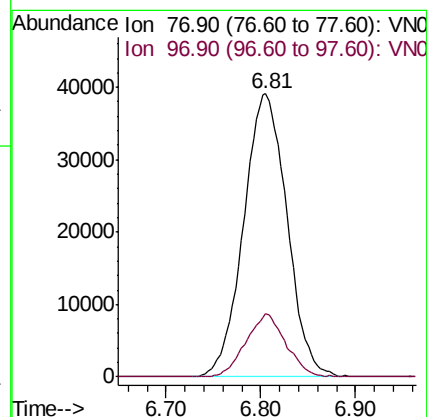
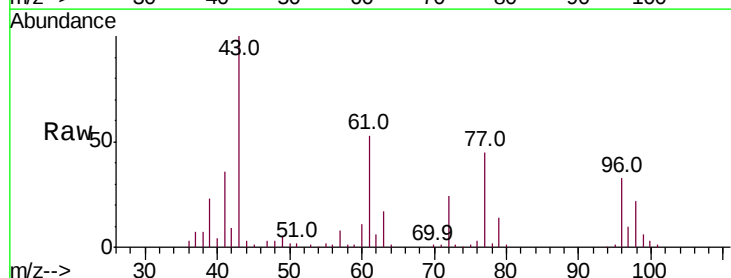
Acq: 23 Sep 2019 11:28

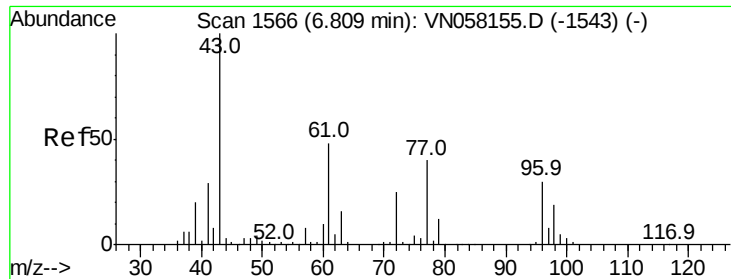
Tgt Ion: 77 Resp: 124599

Ion Ratio Lower Upper

77 100

97 20.4 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 20.107 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

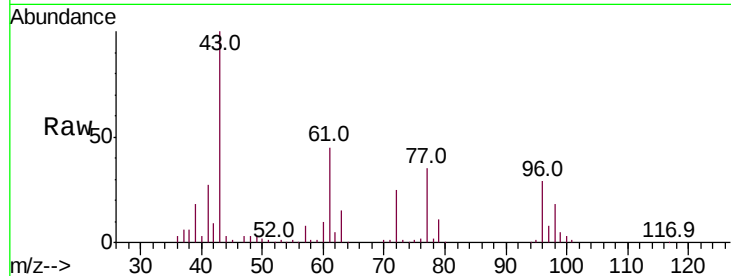
Tot Ion: 96 Resp: 88637

Ion Ratio Lower Upper

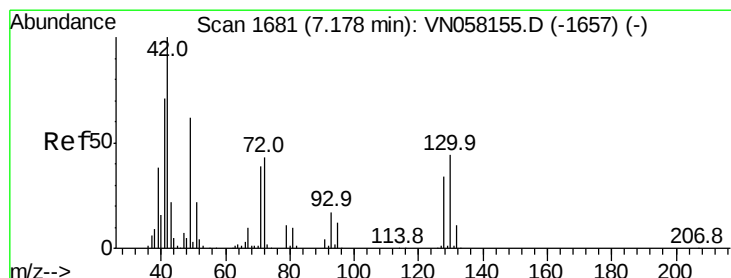
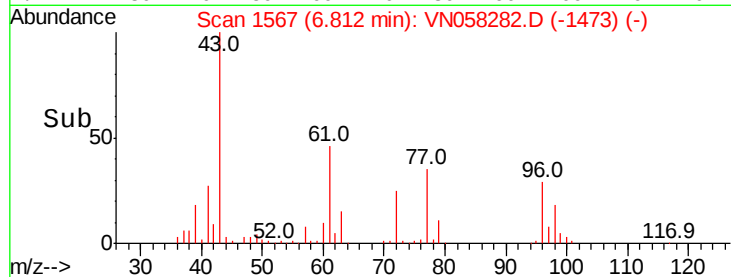
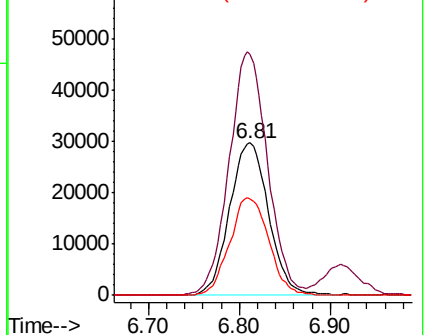
96 100

61 157.4 0.0 319.0

98 64.1 0.0 126.6



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



#28

Bromochloromethane

Concen: 22.883 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

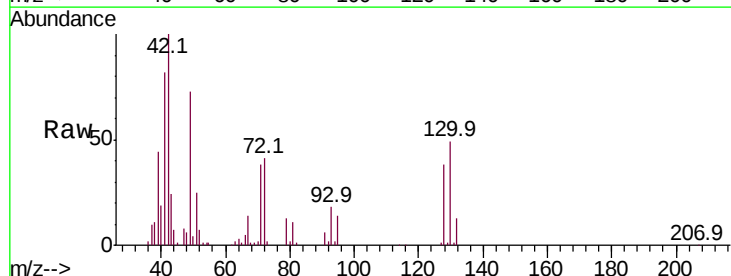
Tgt Ion: 49 Resp: 84395

Ion Ratio Lower Upper

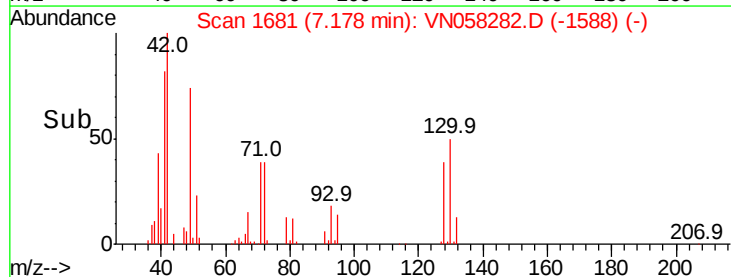
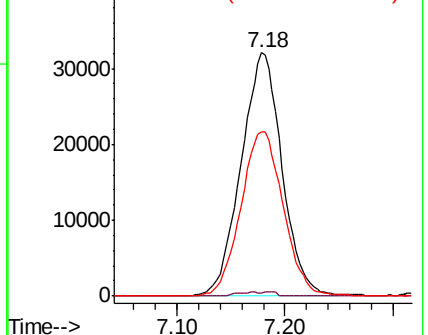
49 100

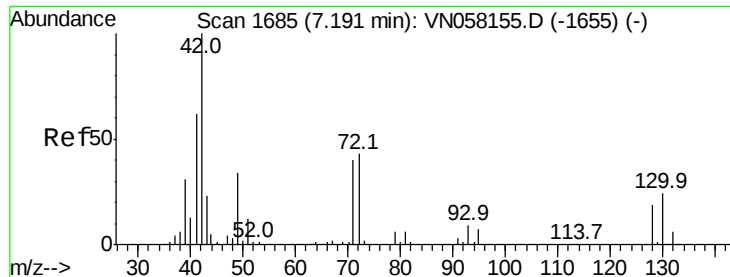
129 0.9 0.0 1.8

130 70.1 55.4 83.2



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





#29

Tetrahydrofuran

Concen: 111.326 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

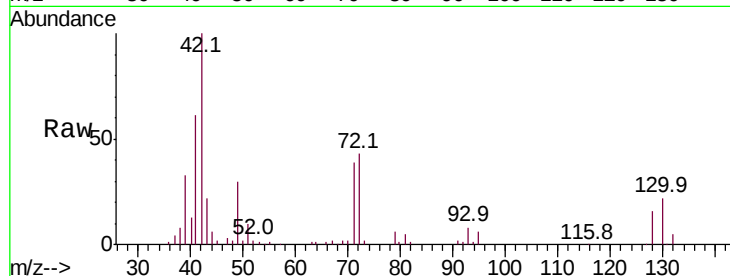
Tot Ion: 42 Resp: 191998

Ion Ratio Lower Upper

42 100

72 41.9 33.8 50.6

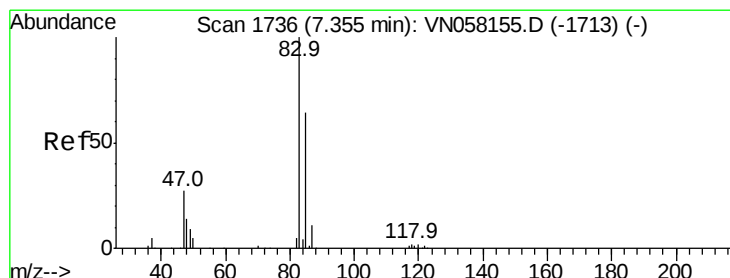
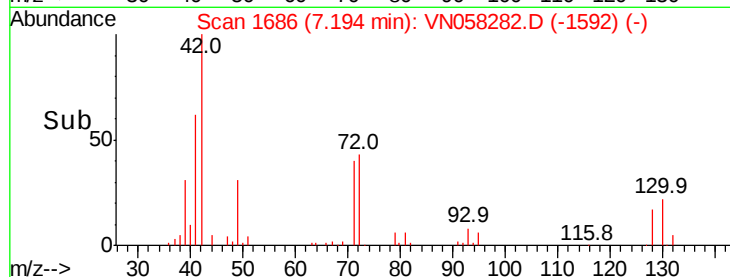
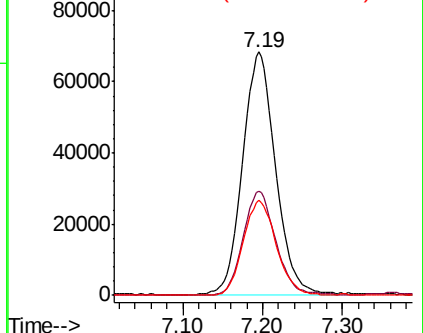
71 38.8 31.4 47.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.536 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN058282.D

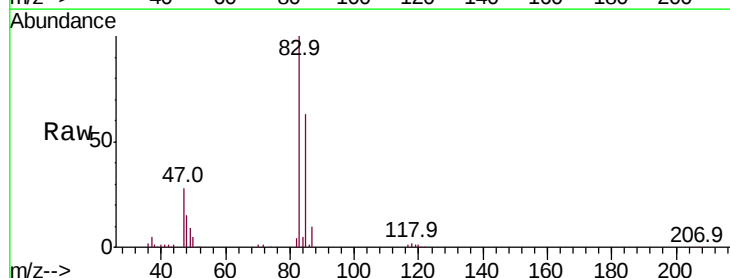
Acq: 23 Sep 2019 11:28

Tgt Ion: 83 Resp: 172333

Ion Ratio Lower Upper

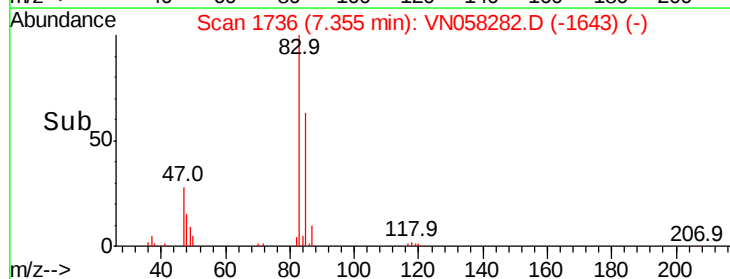
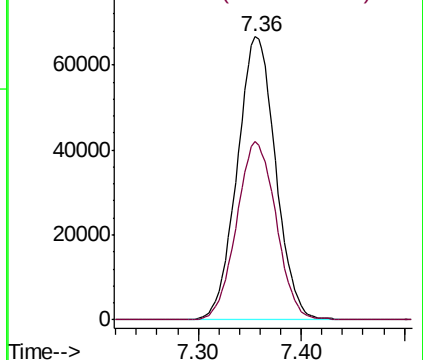
83 100

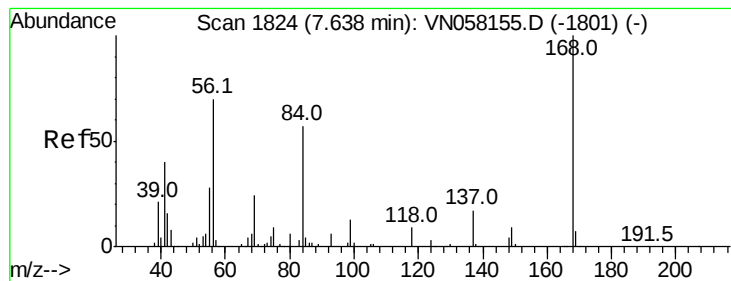
85 63.2 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.025 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

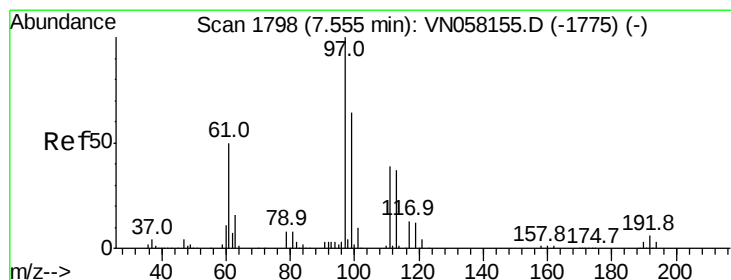
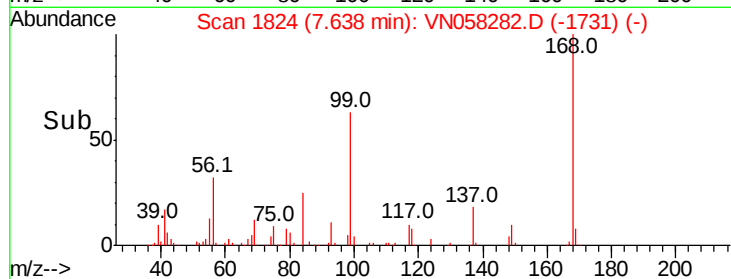
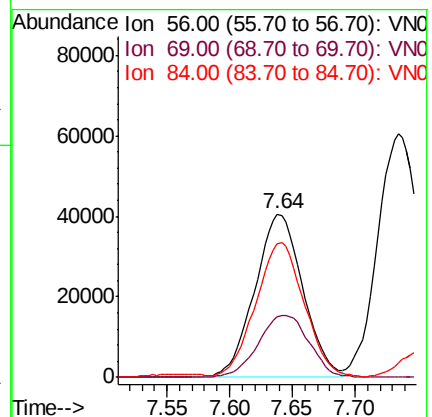
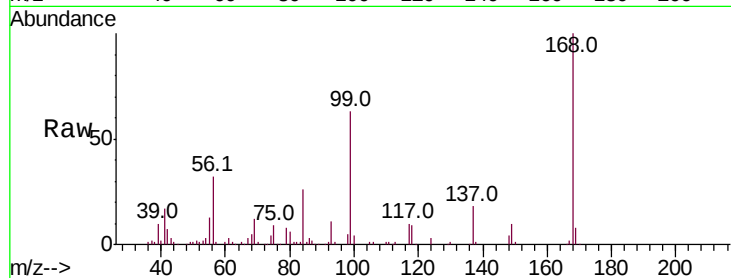
Tot Ion: 56 Resp: 108210

Ion Ratio Lower Upper

56 100

69 37.1 27.3 40.9

84 80.2 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 20.836 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

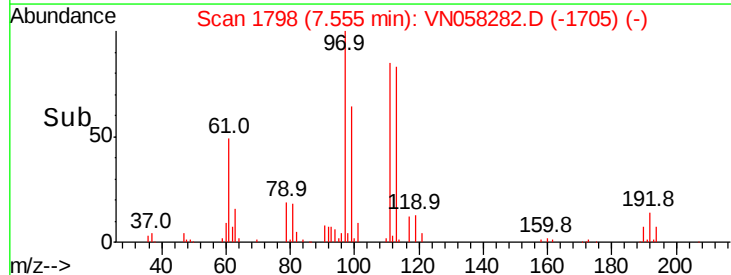
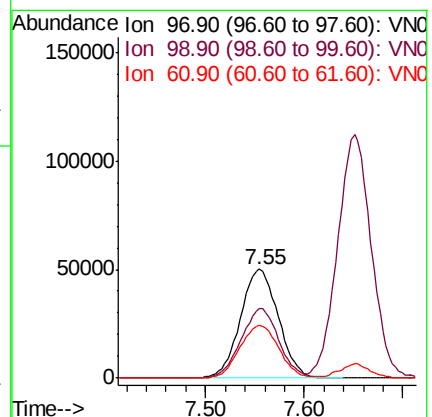
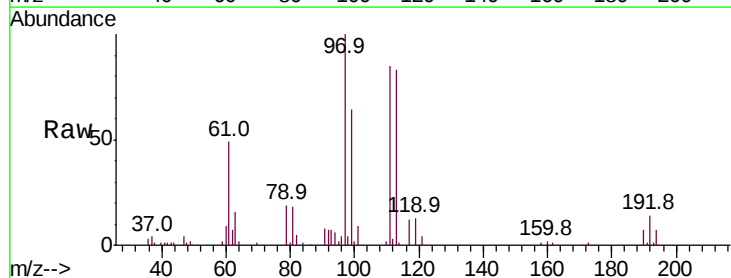
Tgt Ion: 97 Resp: 133111

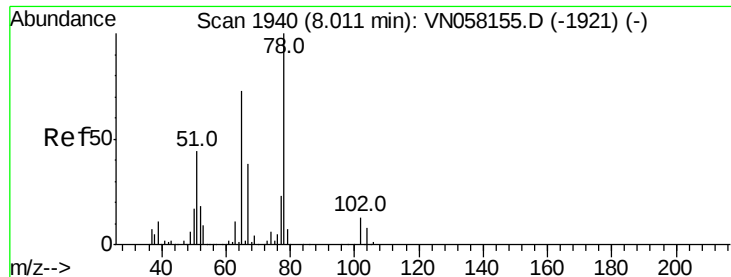
Ion Ratio Lower Upper

97 100

99 63.5 50.9 76.3

61 50.2 39.2 58.8





#33

1,2-Dichloroethane-d4

Concen: 54.048 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

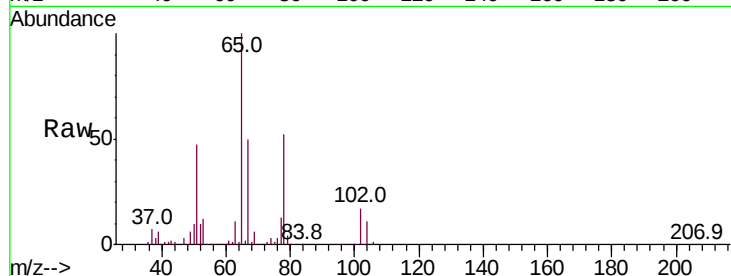
VN0923WBS01

Tot Ion: 65 Resp: 327229

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

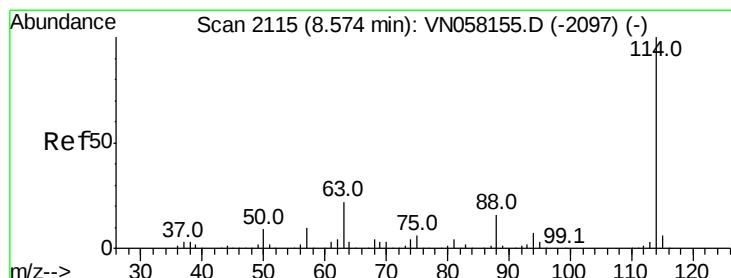
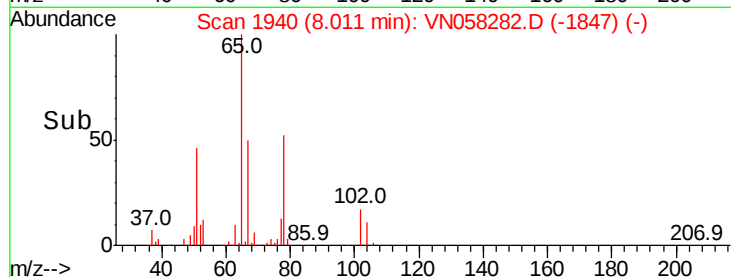
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

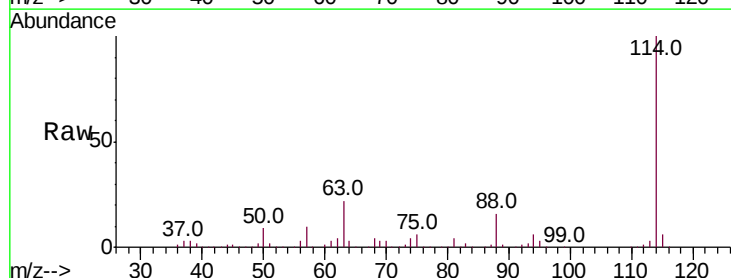
Tgt Ion: 114 Resp: 760119

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.2

88 15.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.57

500000

400000

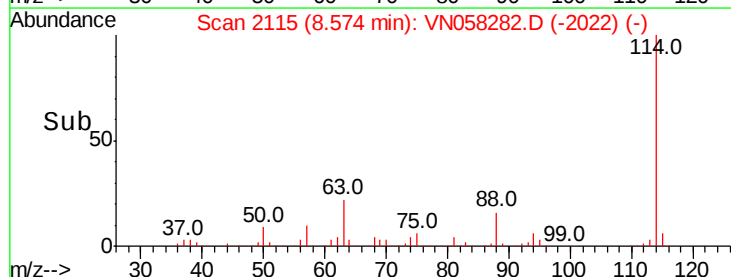
300000

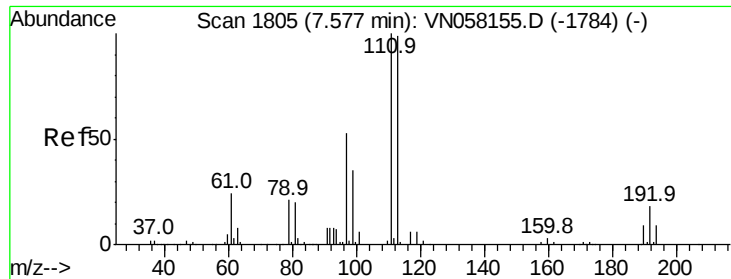
200000

100000

0

Time--> 8.40 8.50 8.60 8.70 8.80

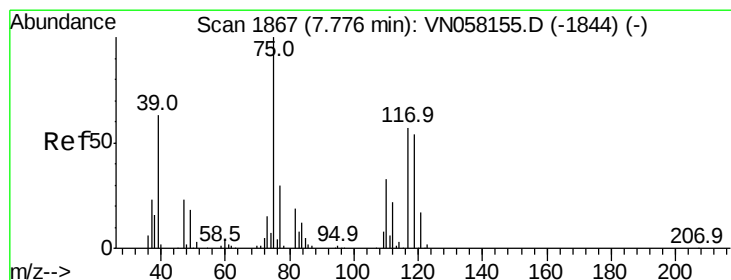
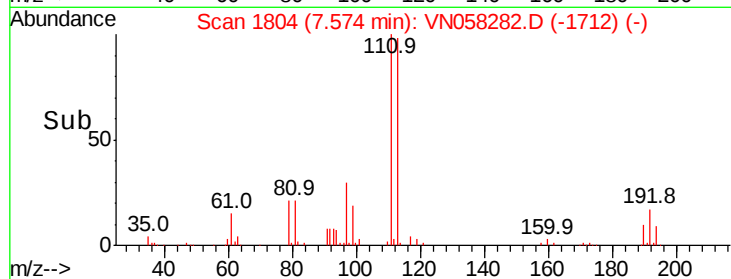
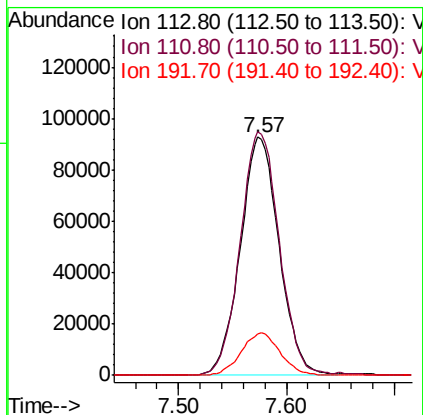
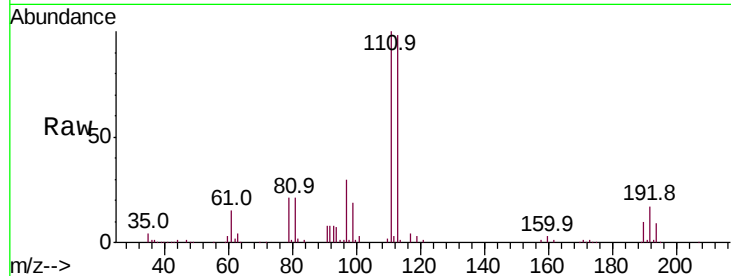




#35
Dibromofluoromethane
Concen: 50.200 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

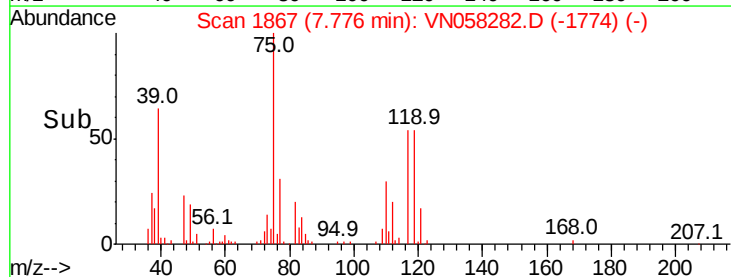
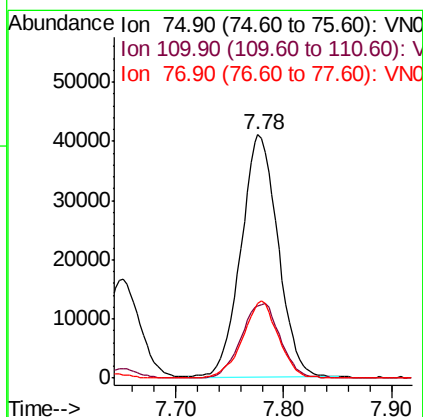
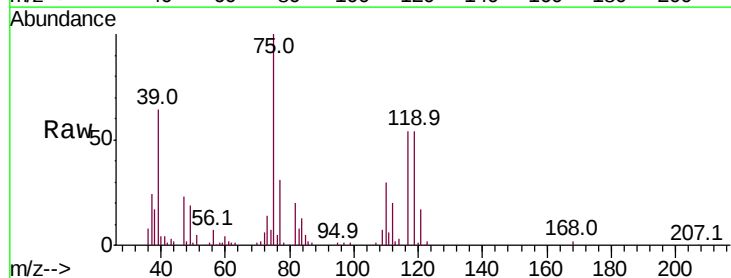
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

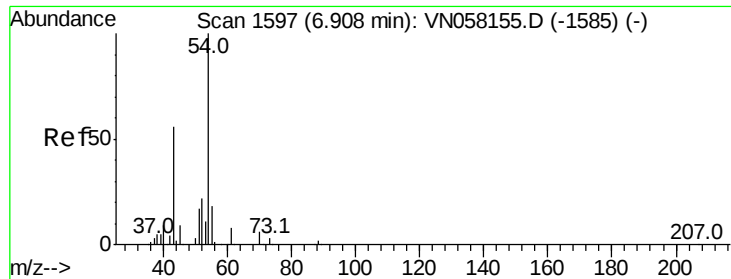
Tot Ion:113 Resp: 231967
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 17.8 14.5 21.7



#36
1,1-Dichloropropene
Concen: 17.776 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion: 75 Resp: 97439
Ion Ratio Lower Upper
75 100
110 32.3 16.6 49.7
77 30.9 24.3 36.5

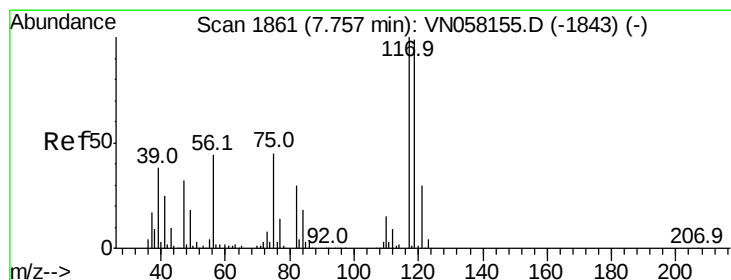
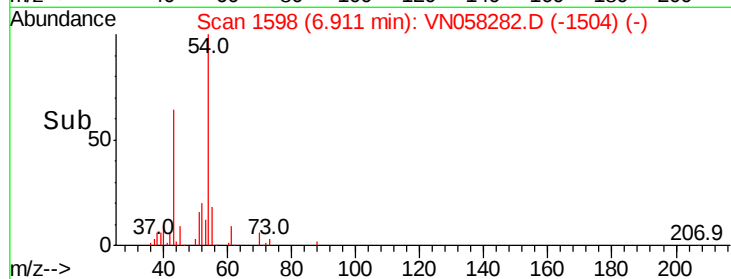
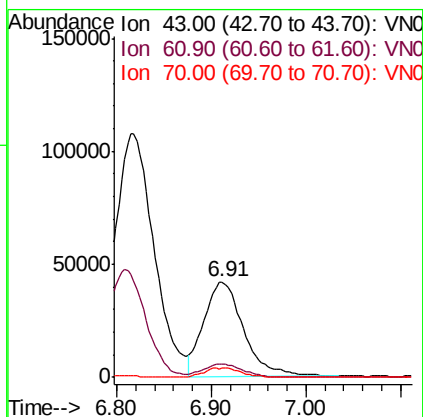
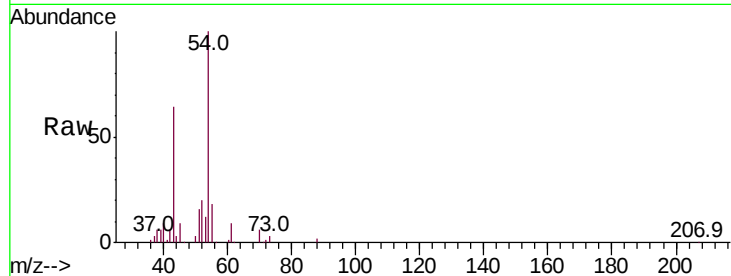




#37
Ethyl Acetate
Concen: 21.386 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

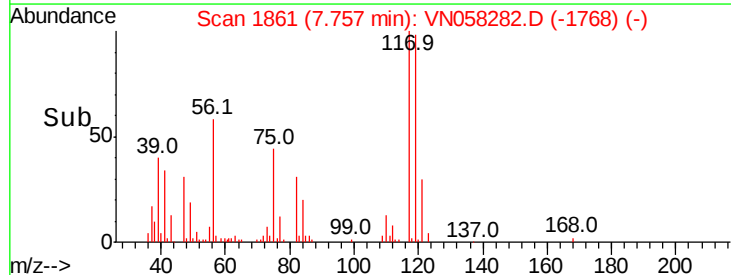
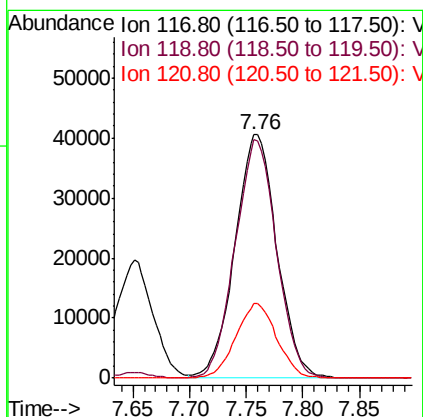
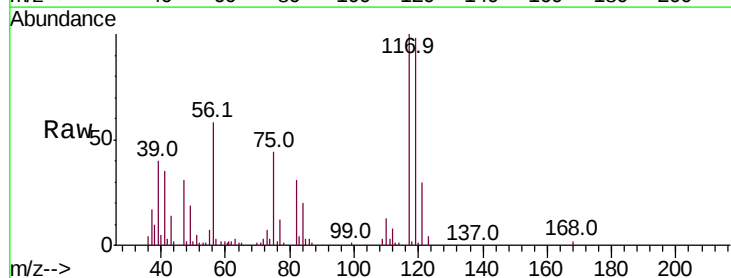
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

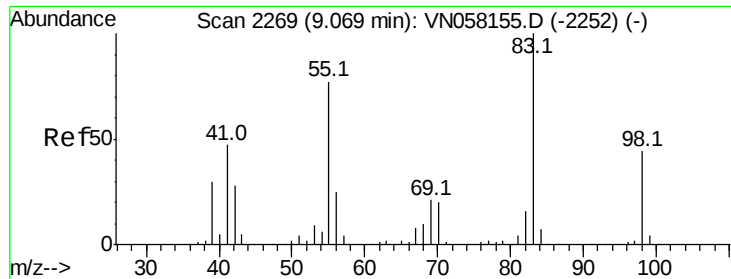
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.7	16.1
70	4.1	7.6	11.4



#38
Carbon Tetrachloride
Concen: 19.019 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.6	117.8
121	30.5	24.1	36.1

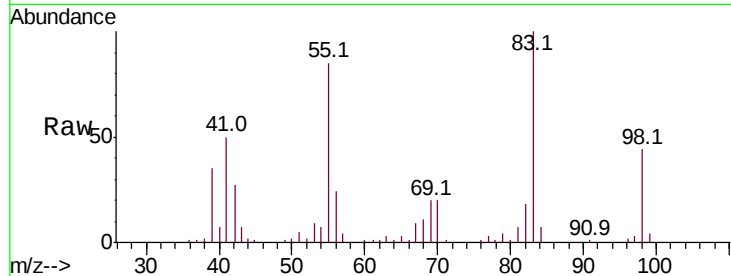




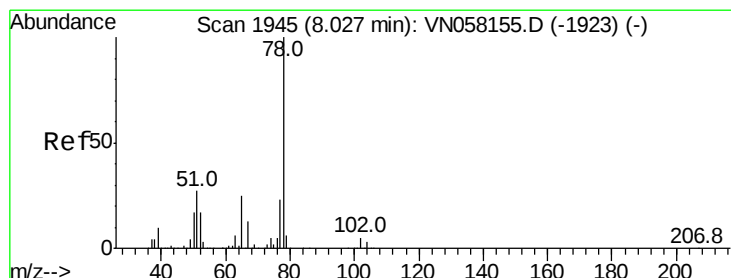
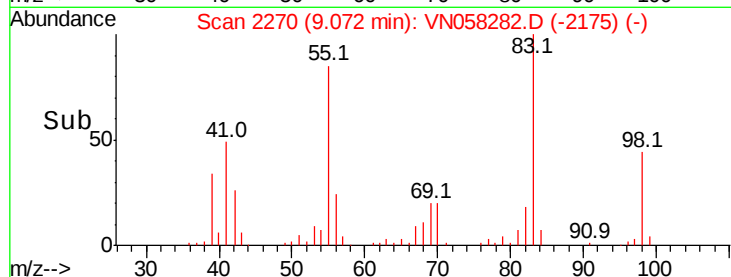
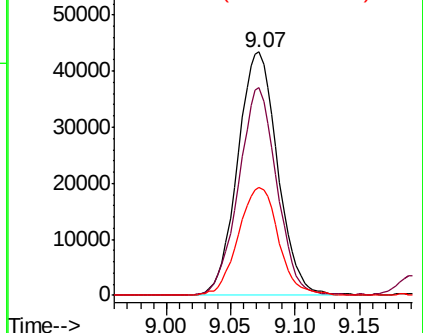
#39
Methvlcvclohexane
Concen: 17.729 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

Tot Ion: 83 Resp: 93719
Ion Ratio Lower Upper
83 100
55 85.3 61.9 92.9
98 44.4 35.4 53.2

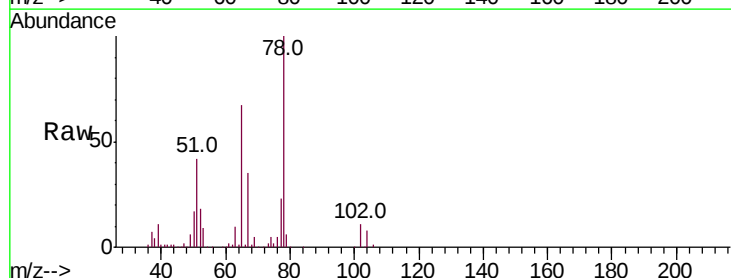


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

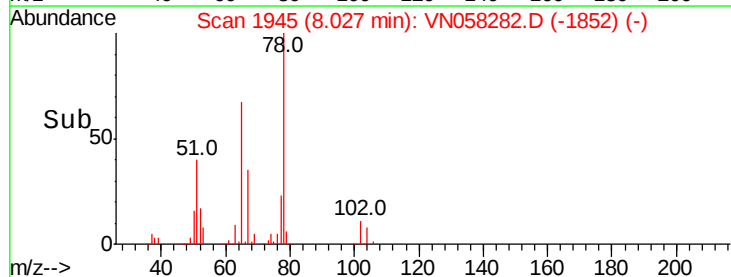
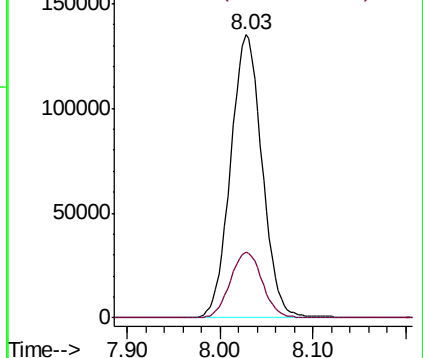


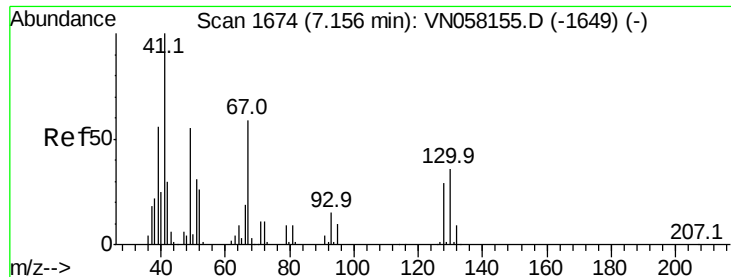
#40
Benzene
Concen: 19.051 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion: 78 Resp: 318969
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 20.699 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

Tot Ion: 41 Resp: 57761

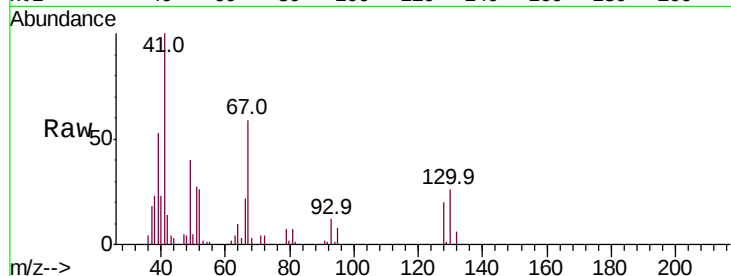
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 85.0 0.0 0.0#

52 36.7 0.0 0.0#

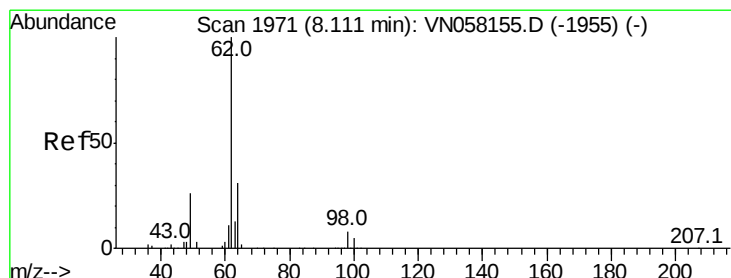
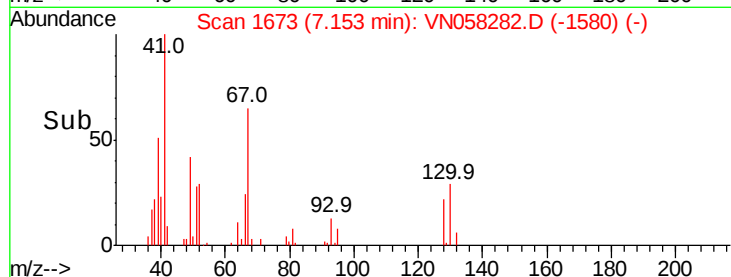
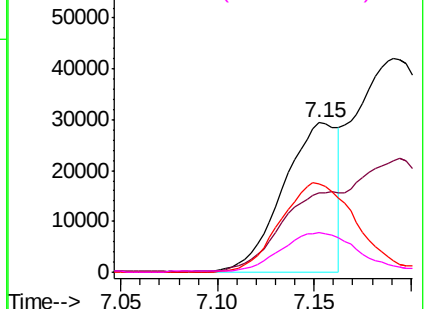


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 19.954 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN058282.D

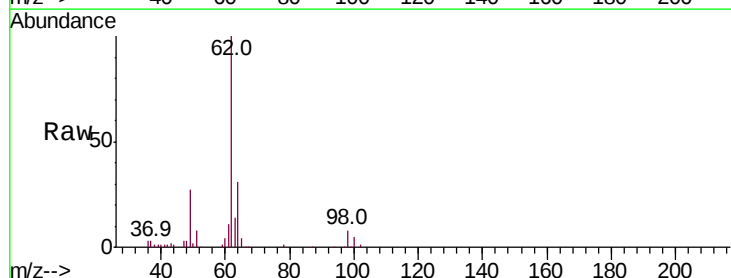
Acq: 23 Sep 2019 11:28

Tgt Ion: 62 Resp: 140183

Ion Ratio Lower Upper

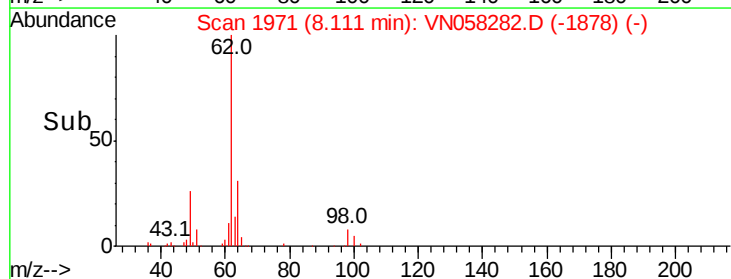
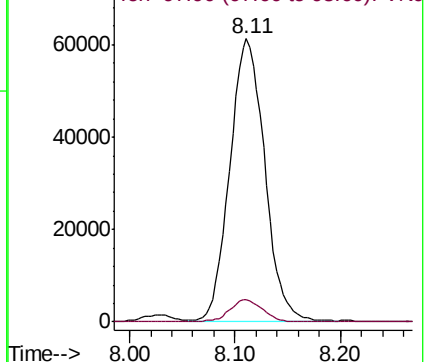
62 100

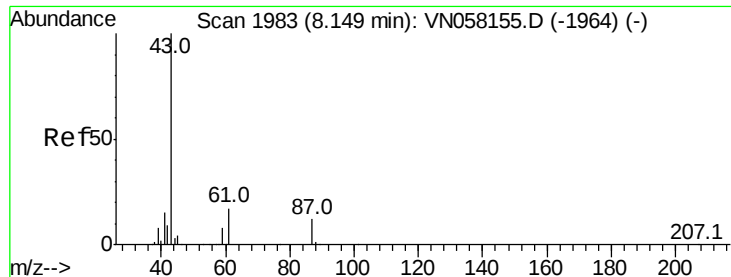
98 7.5 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 19.079 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

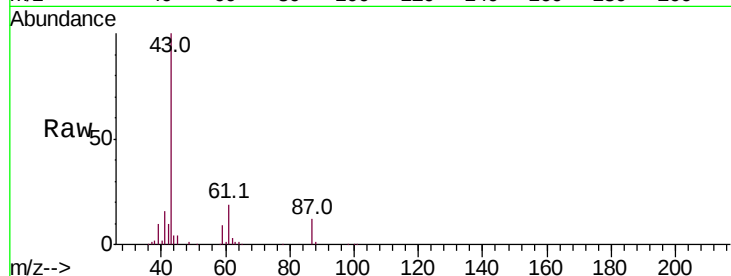
Tot Ion: 43 Resp: 202697

Ion Ratio Lower Upper

43 100

61 19.6 19.7 29.5#

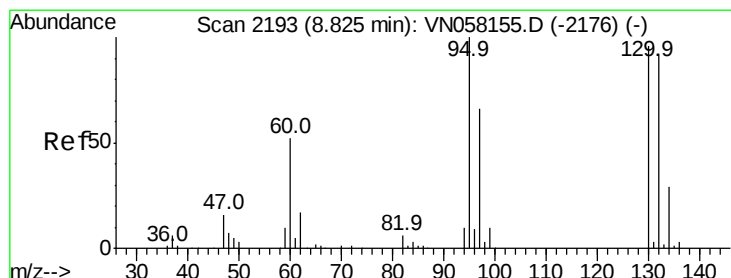
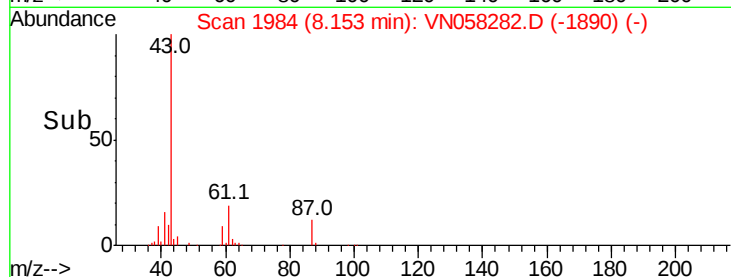
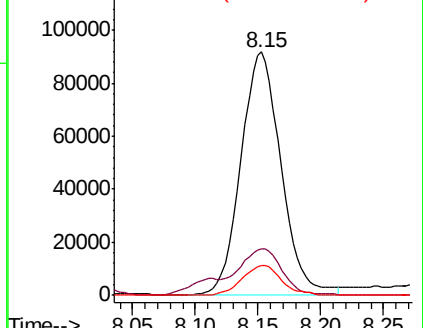
87 12.2 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN058155.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN058155.D (-1964) (-)



#44

Trichloroethene

Concen: 18.947 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058282.D

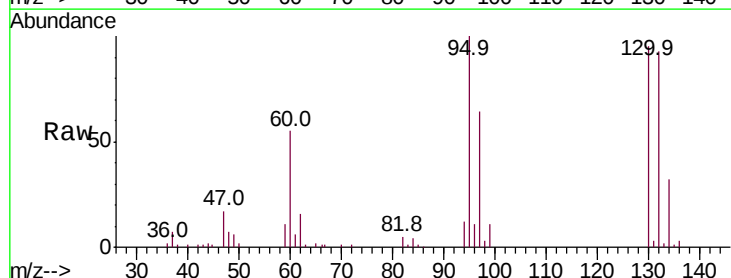
Acq: 23 Sep 2019 11:28

Tgt Ion:130 Resp: 77630

Ion Ratio Lower Upper

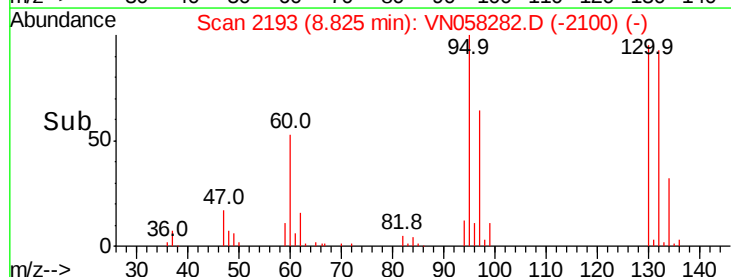
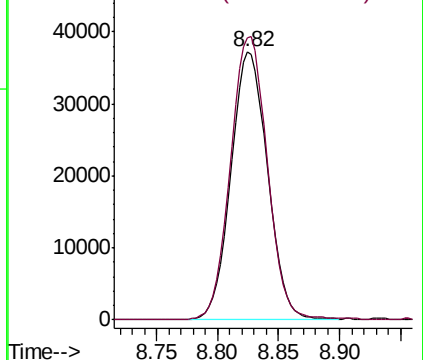
130 100

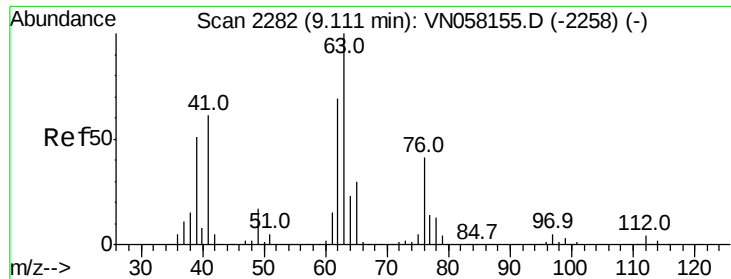
95 105.3 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058155.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058155.D (-2176) (-)

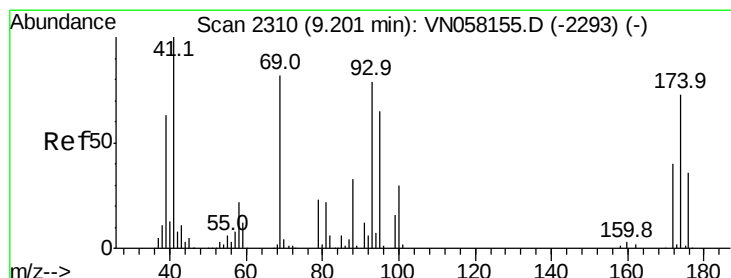
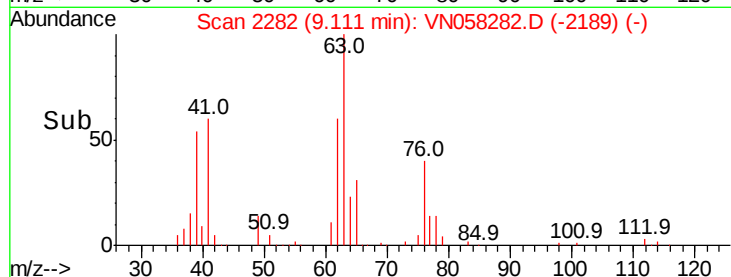
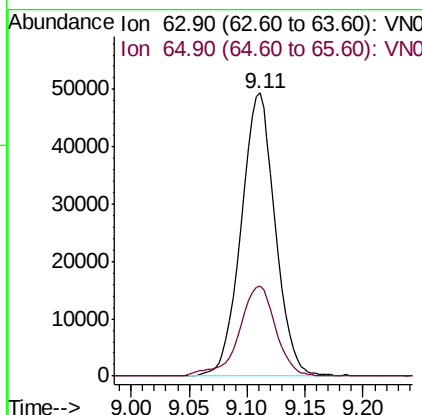
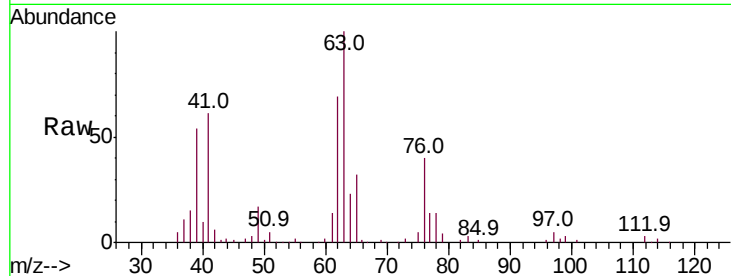




#45
 1,2-Dichloropropane
 Concen: 20.156 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

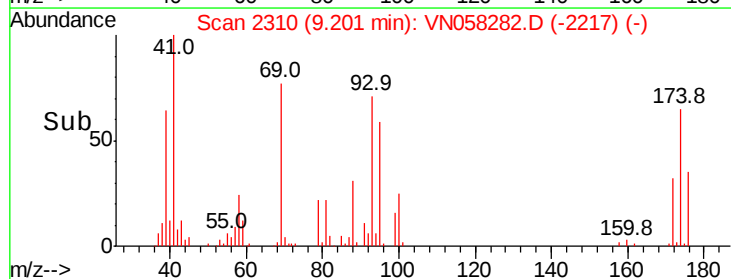
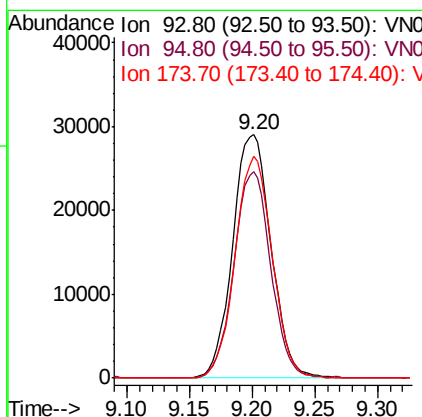
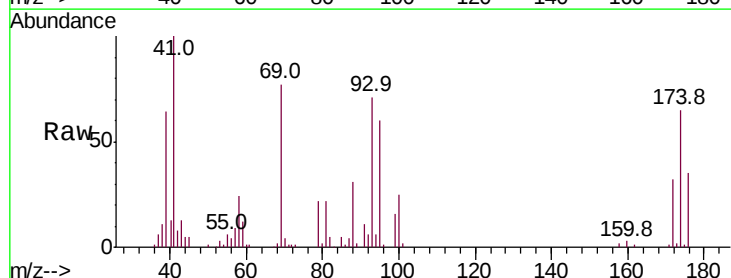
Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBS01

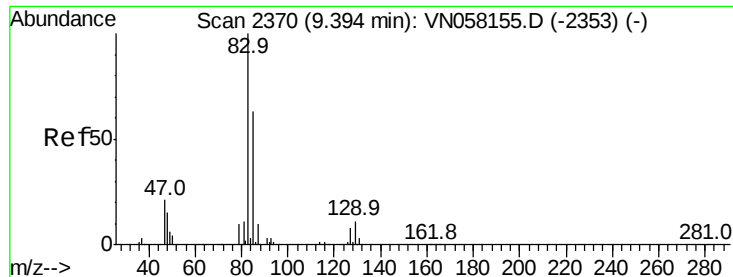
Tot Ion: 63 Resp: 100779
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.8 35.6



#46
 Dibromomethane
 Concen: 20.337 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion: 93 Resp: 61823
 Ion Ratio Lower Upper
 93 100
 95 81.4 66.8 100.2
 174 87.8 73.8 110.8





#47

Bromodichloromethane

Concen: 20.362 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

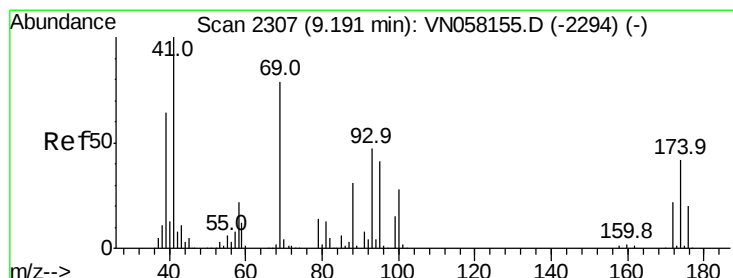
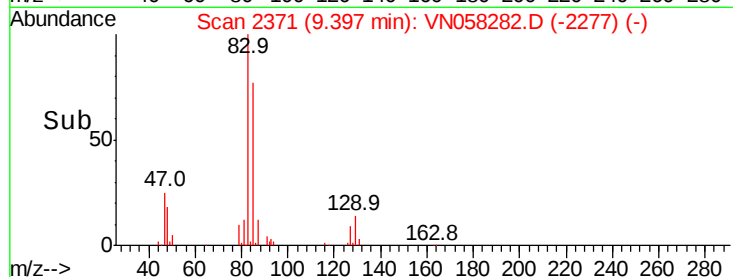
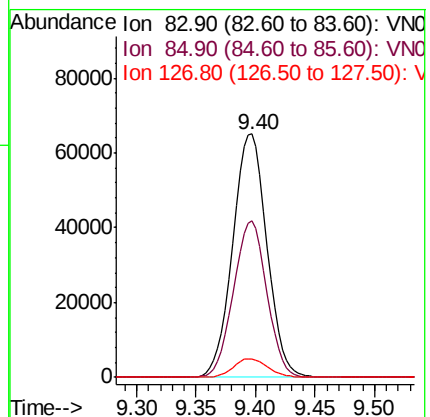
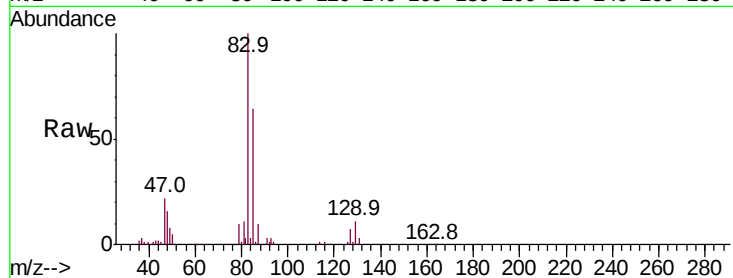
Tot Ion: 83 Resp: 129674

Ion Ratio Lower Upper

83 100

85 64.3 50.1 75.1

127 7.5 6.4 9.6



#48

Methyl methacrylate

Concen: 20.422 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

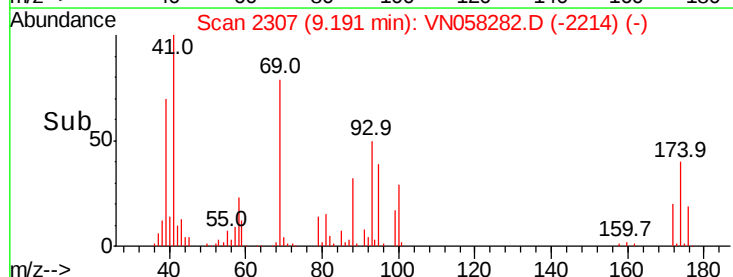
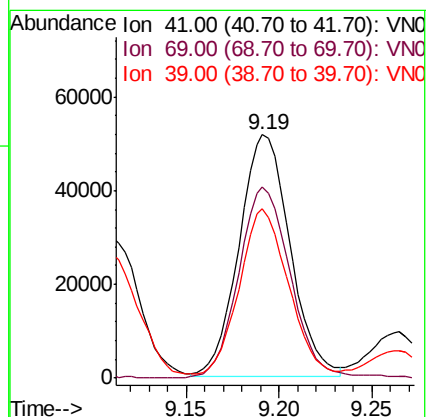
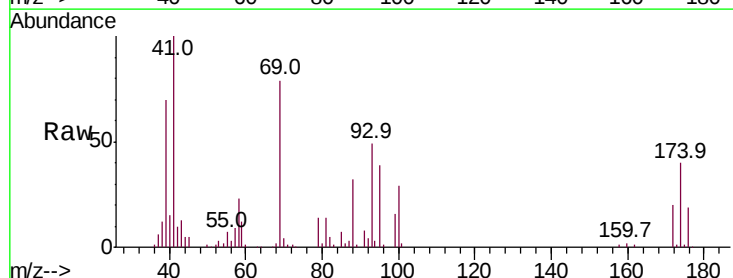
Tgt Ion: 41 Resp: 98514

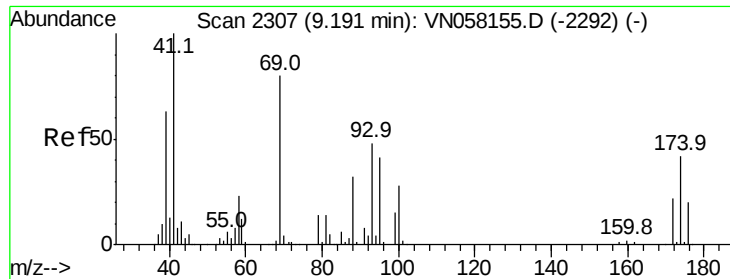
Ion Ratio Lower Upper

41 100

69 80.4 62.5 93.7

39 67.7 52.3 78.5

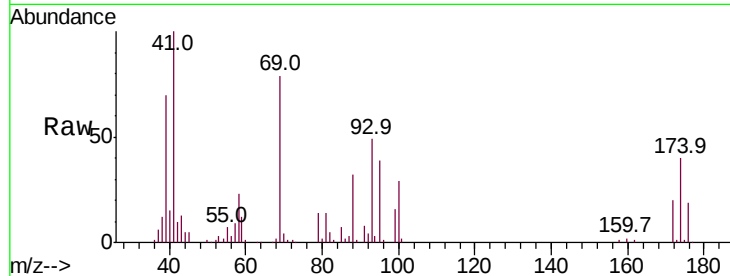




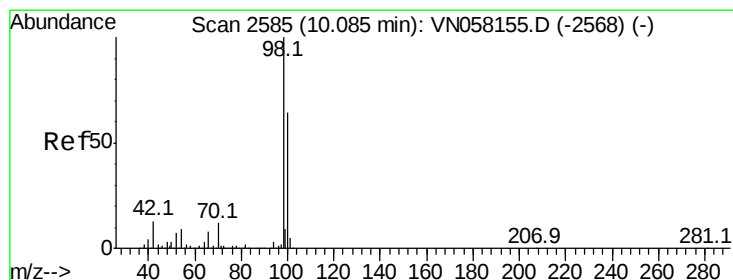
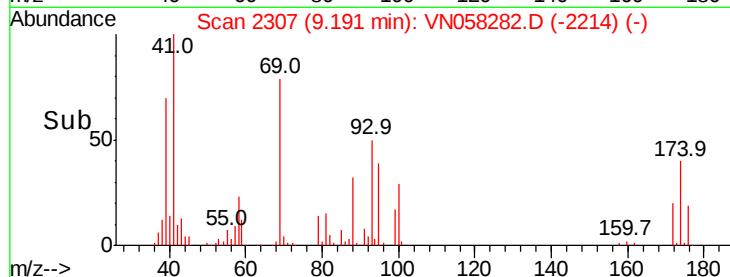
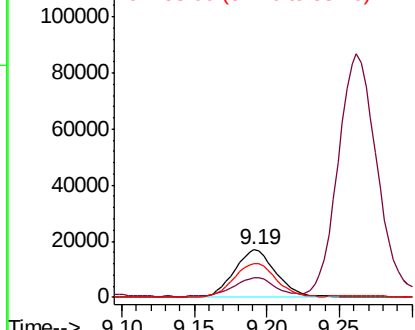
#49
1,4-Dioxane
Concen: 431.195 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tot Ion: 88 Resp: 34150
Ion Ratio Lower Upper
88 100
43 39.4 27.8 41.8
58 72.8 55.0 82.4

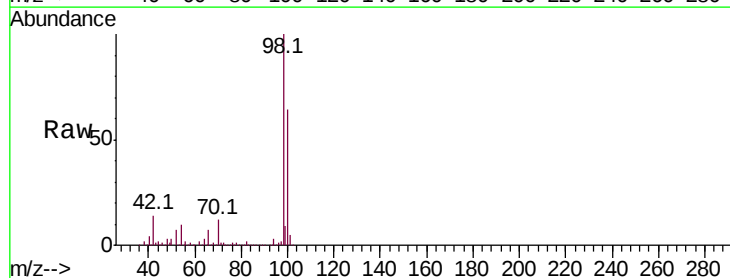


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

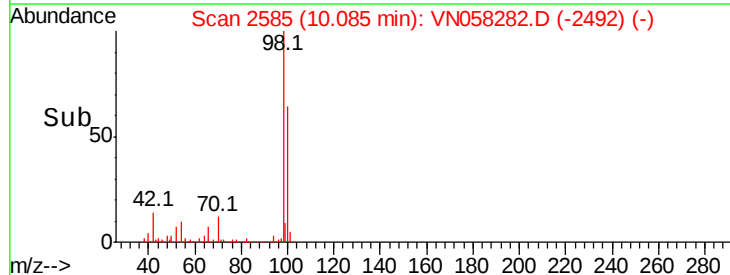
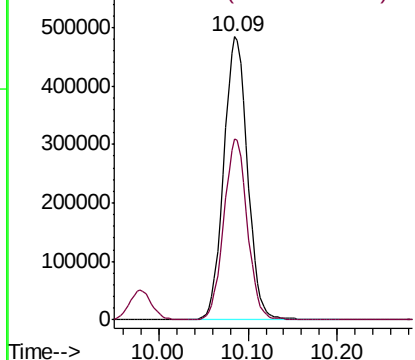


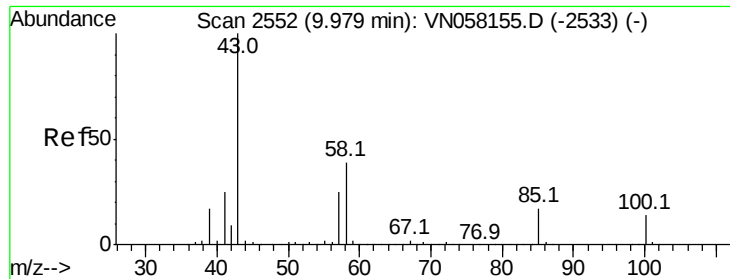
#50
Toluene-d8
Concen: 49.690 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion: 98 Resp: 894610
Ion Ratio Lower Upper
98 100
100 62.8 51.1 76.7



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: 118.833 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampled :

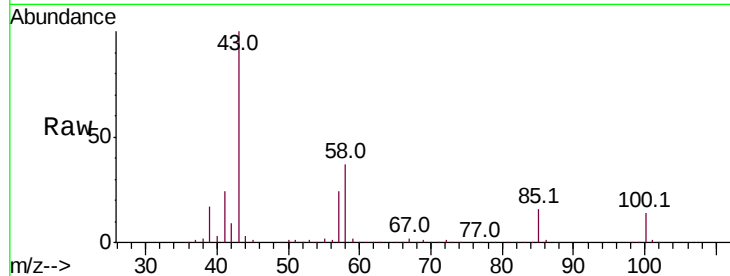
VN0923WBS01

Tot Ion: 43 Resp: 670589

Ion Ratio Lower Upper

43 100

58 36.8 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

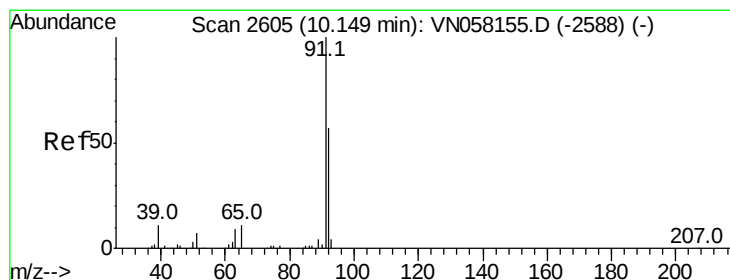
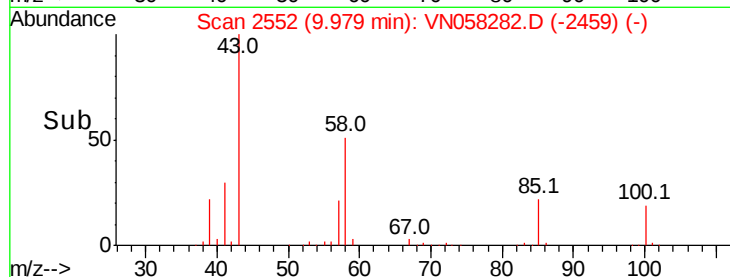
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.939 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058282.D

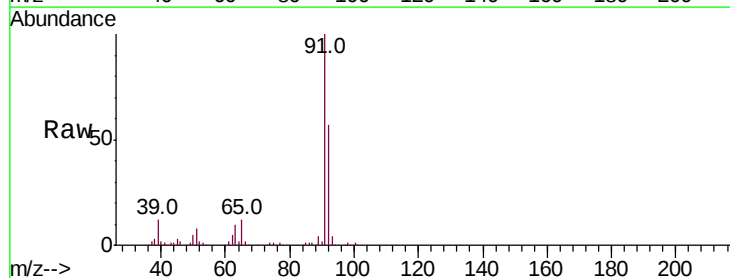
Acq: 23 Sep 2019 11:28

Tgt Ion: 92 Resp: 198725

Ion Ratio Lower Upper

92 100

91 175.3 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

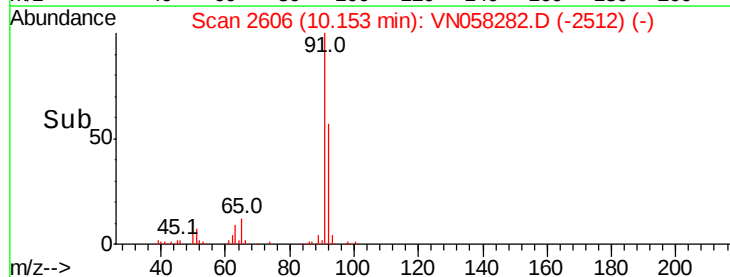
150000

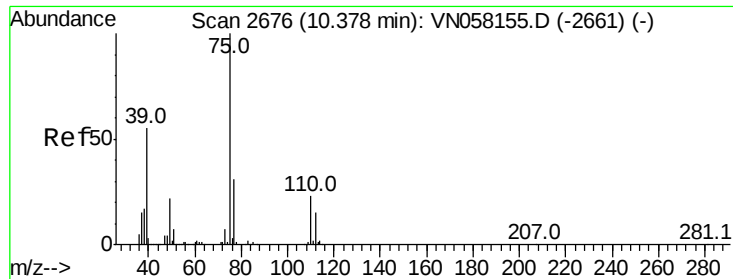
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.396 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

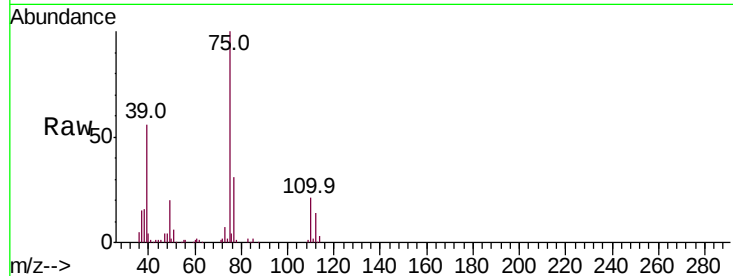
VN0923WBS01

Tot Ion: 75 Resp: 126531

Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

60000

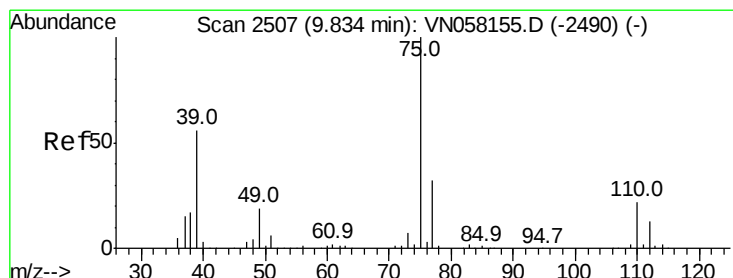
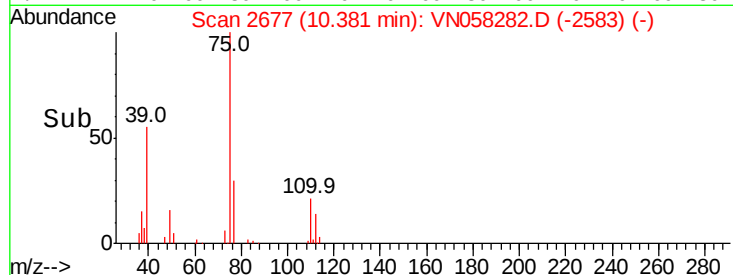
40000

20000

0

Time-->

10.30 10.35 10.40 10.45



#54

cis-1,3-Dichloropropene

Concen: 19.440 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

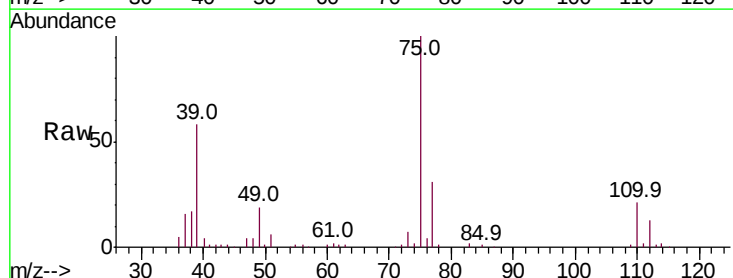
Tgt Ion: 75 Resp: 140013

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 57.7 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

100000

80000

60000

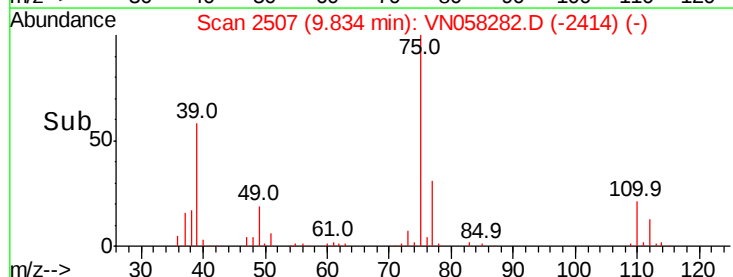
40000

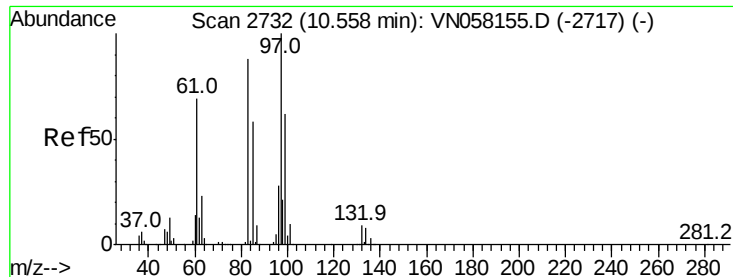
20000

0

Time-->

9.75 9.80 9.85 9.90 9.95





#55

1,1,2-Trichloroethane

Concen: 20.857 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

Tot Ion: 97 Resp: 97121

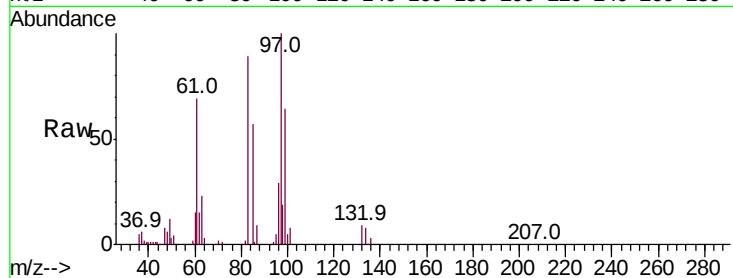
Ion Ratio Lower Upper

97 100

83 88.6 70.4 105.6

85 56.6 46.8 70.2

99 63.5 49.9 74.9

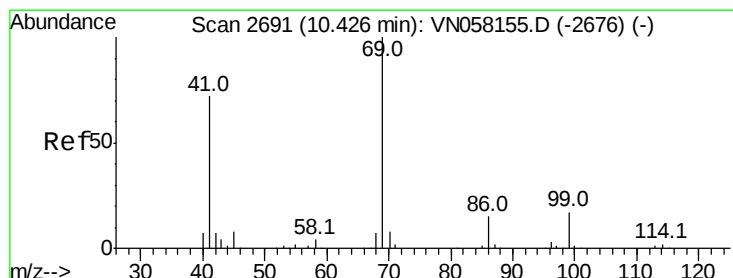
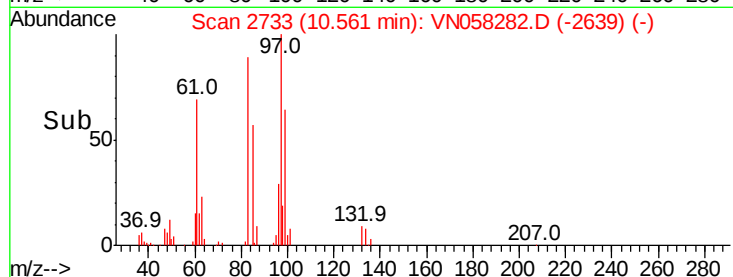
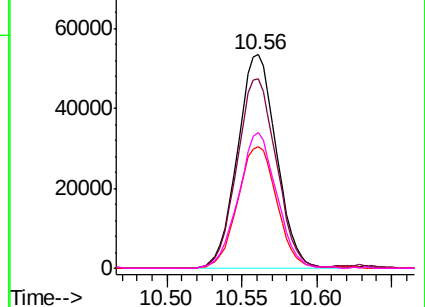


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.348 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

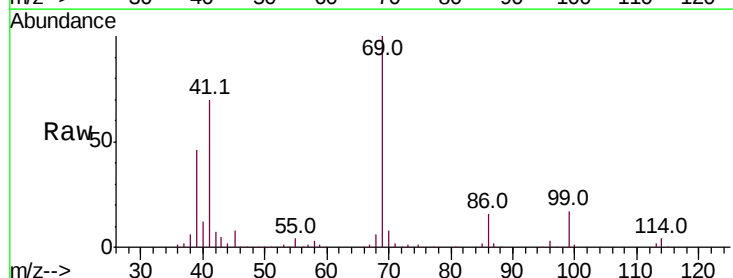
Tgt Ion: 69 Resp: 136705

Ion Ratio Lower Upper

69 100

41 70.5 57.5 86.3

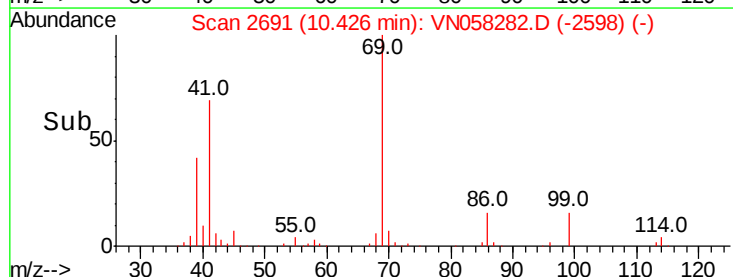
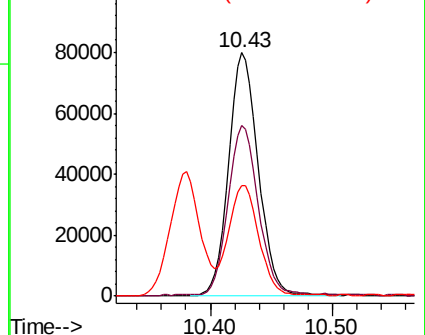
39 45.4 36.1 54.1

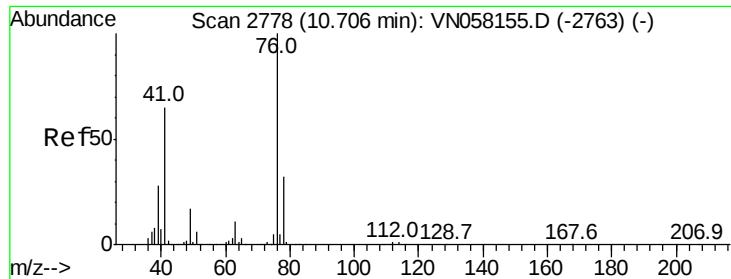


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.438 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampled :

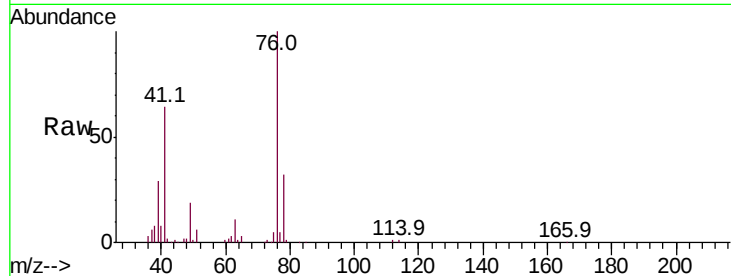
VN0923WBS01

Tot Ion: 76 Resp: 163607

Ion Ratio Lower Upper

76 100

78 32.2 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

100000

80000

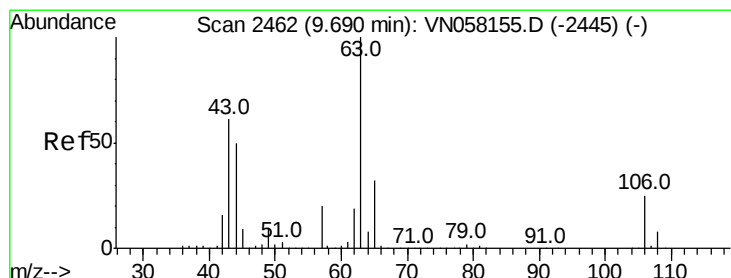
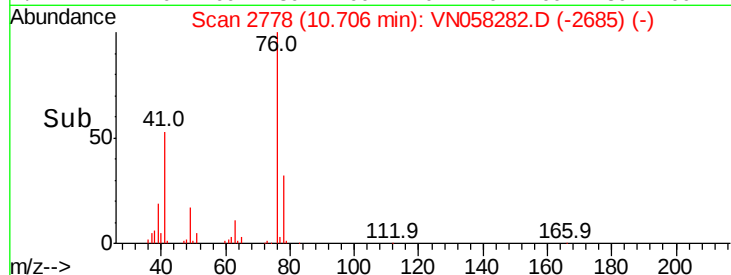
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 113.019 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058282.D

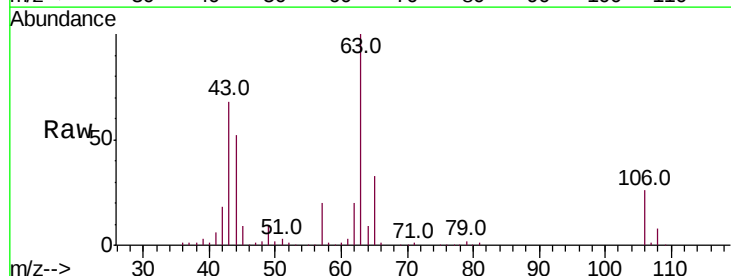
Acq: 23 Sep 2019 11:28

Tgt Ion: 63 Resp: 361680

Ion Ratio Lower Upper

63 100

106 25.2 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

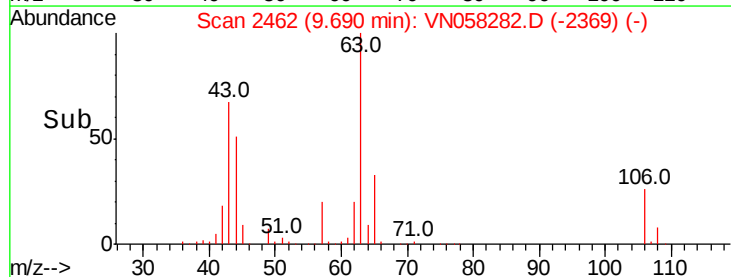
150000

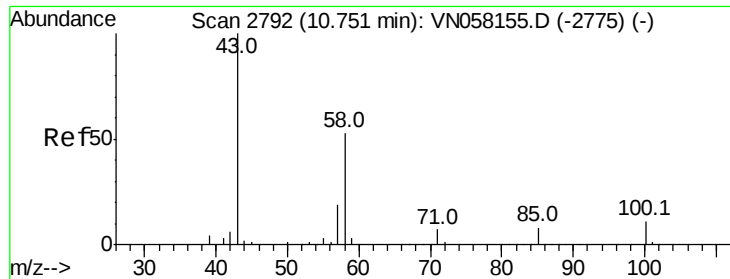
100000

50000

0

Time-->





#59

2-Hexanone

Concen: 114.595 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

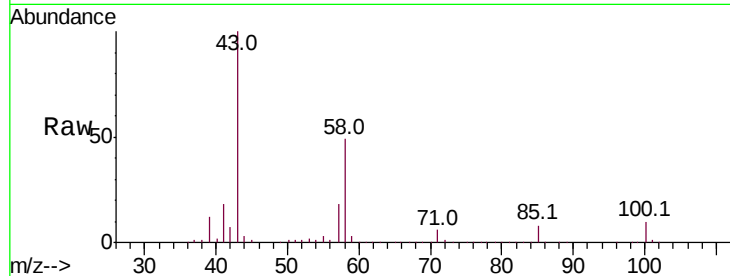
VN0923WBS01

Tot Ion: 43 Resp: 480279

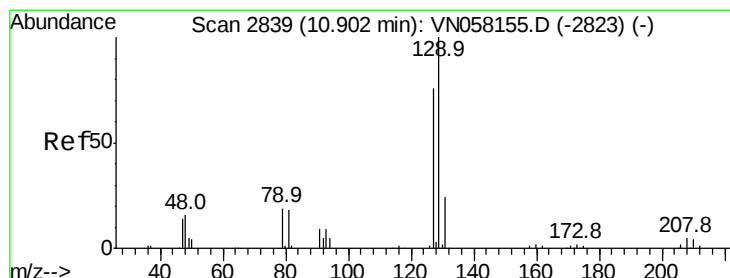
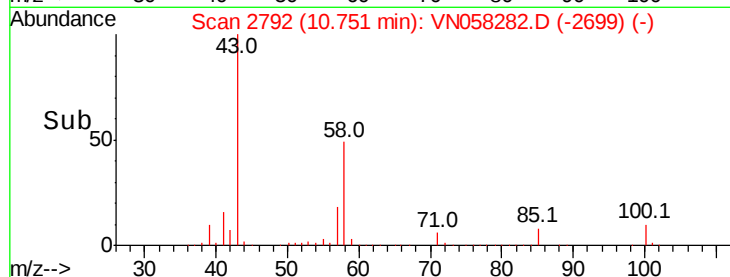
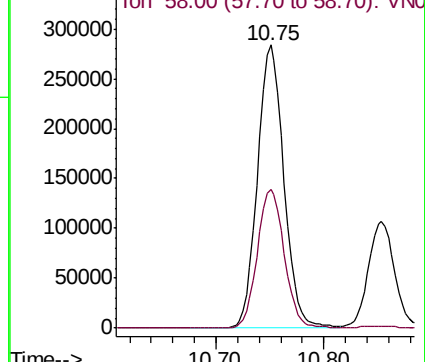
Ion Ratio Lower Upper

43 100

58 50.3 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VN0



#60

Dibromochloromethane

Concen: 20.144 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058282.D

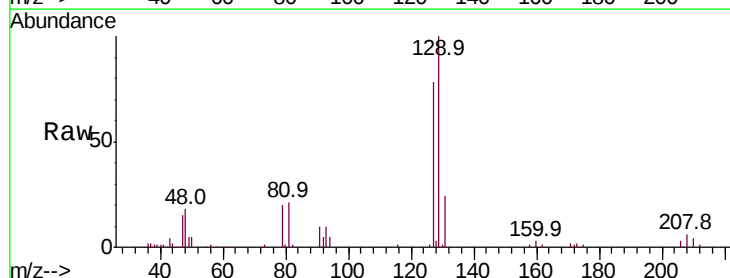
Acq: 23 Sep 2019 11:28

Tgt Ion: 129 Resp: 90241

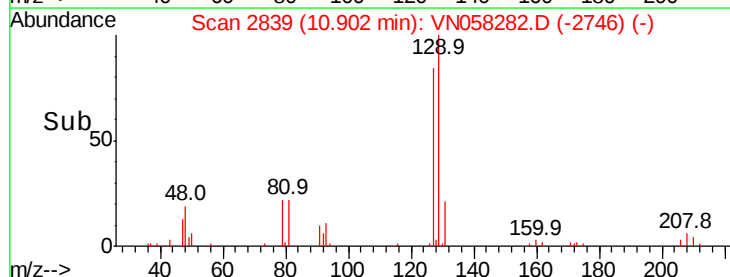
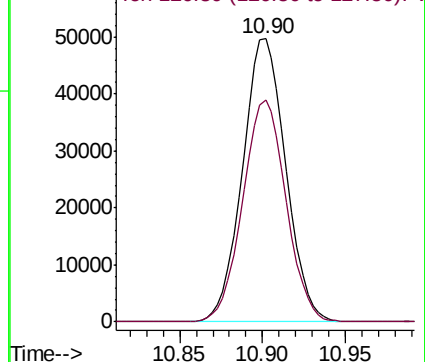
Ion Ratio Lower Upper

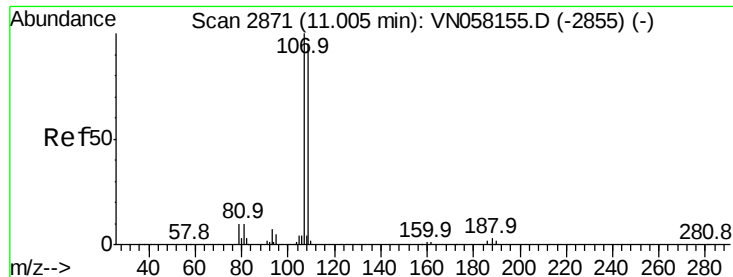
129 100

127 78.5 38.7 116.1



Abundance Ion 128.80 (128.50 to 129.50): V

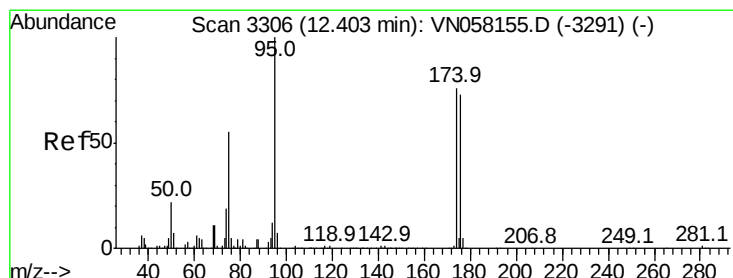
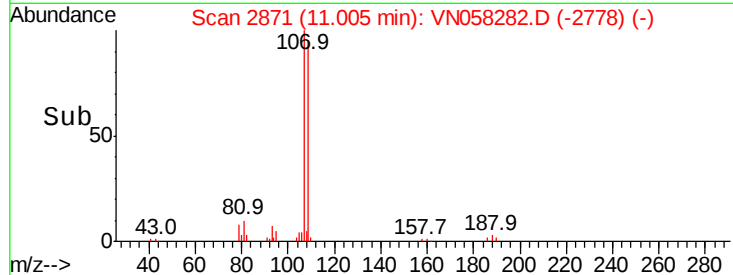
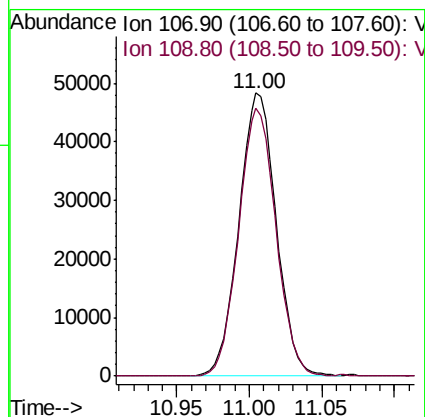
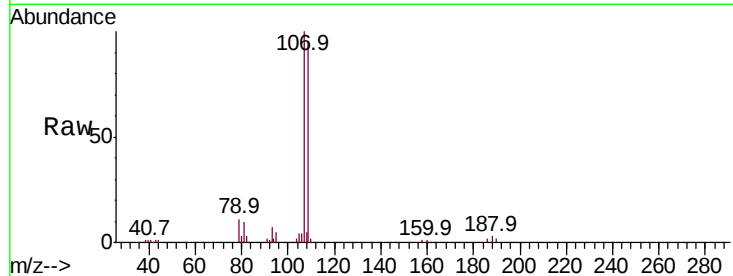




#61
 1,2-Dibromoethane
 Concen: 20.024 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

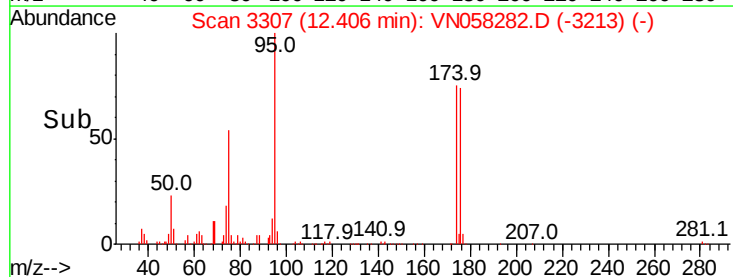
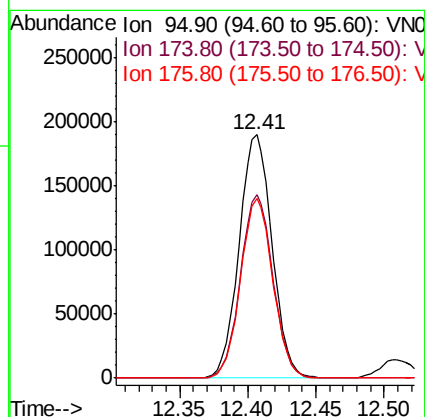
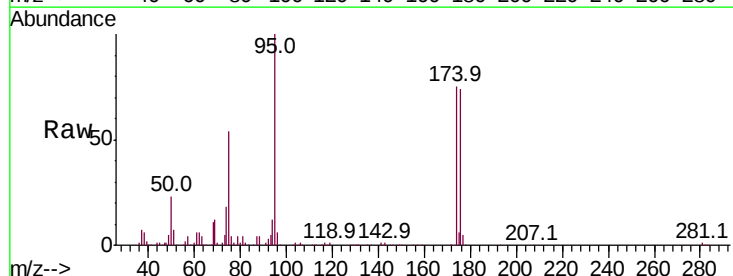
Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBS01

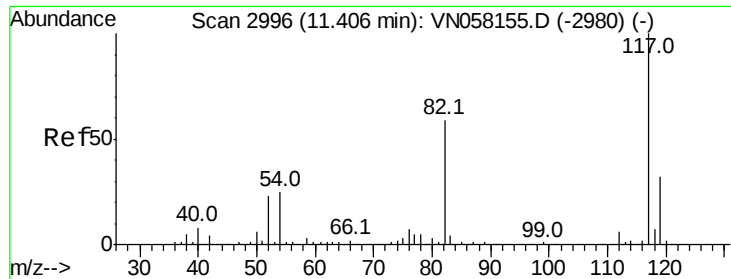
Tot Ion:107 Resp: 86411
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 47.634 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion: 95 Resp: 318564
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 152.2
 176 72.3 0.0 148.0

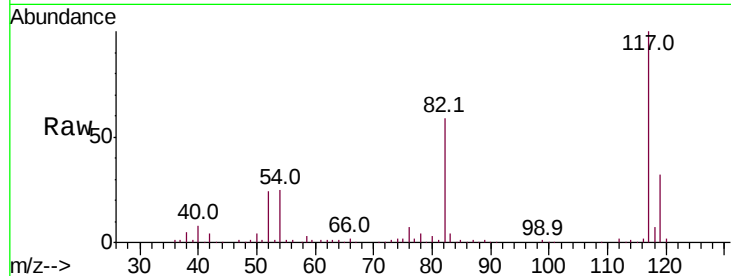




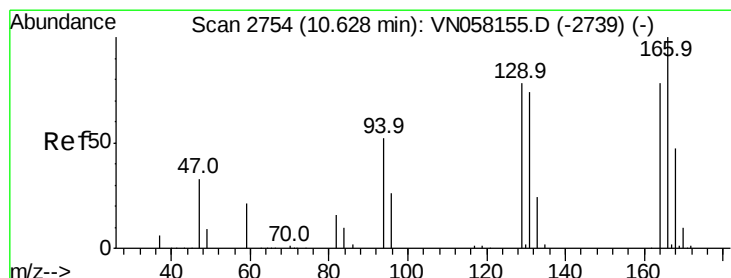
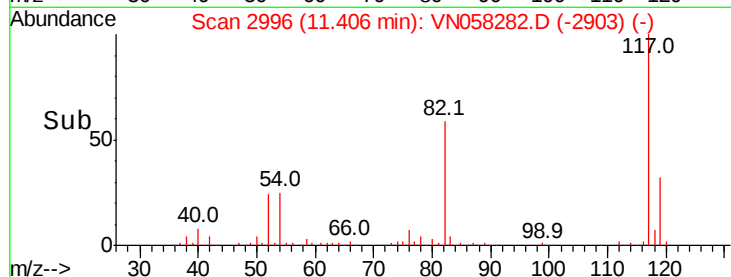
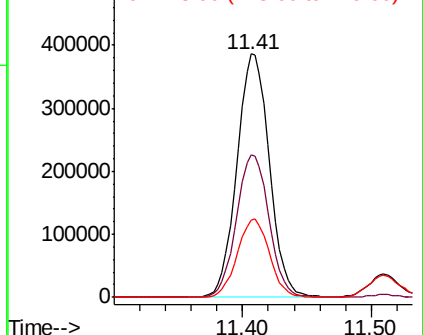
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tot Ion:117 Resp: 675716
Ion Ratio Lower Upper
117 100
82 58.7 46.9 70.3
119 31.7 25.3 37.9

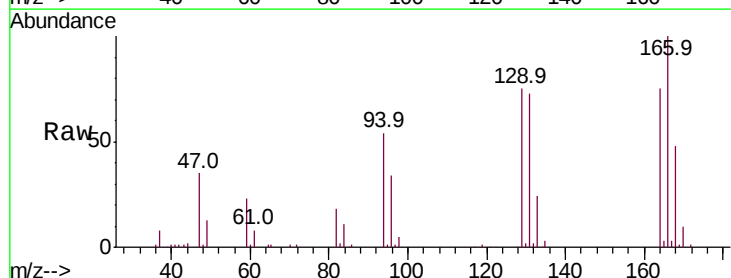


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

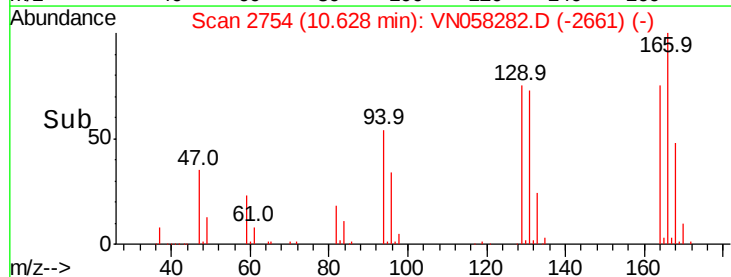
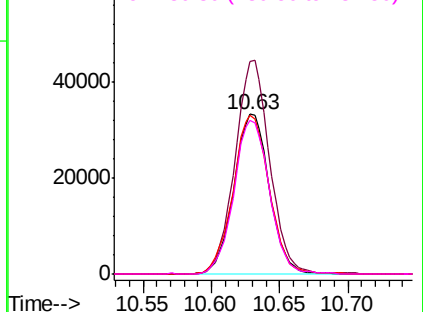


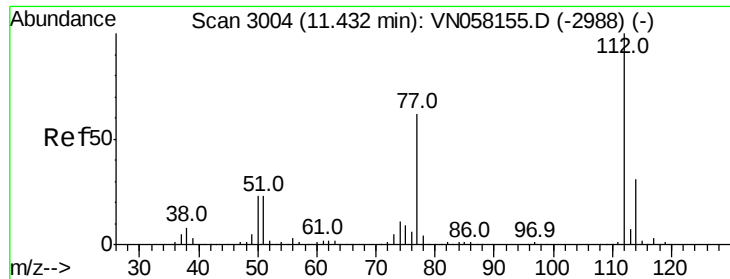
#64
Tetrachloroethene
Concen: 18.236 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion:164 Resp: 60069
Ion Ratio Lower Upper
164 100
166 132.9 102.2 153.4
129 99.3 79.6 119.4
131 96.6 76.0 114.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

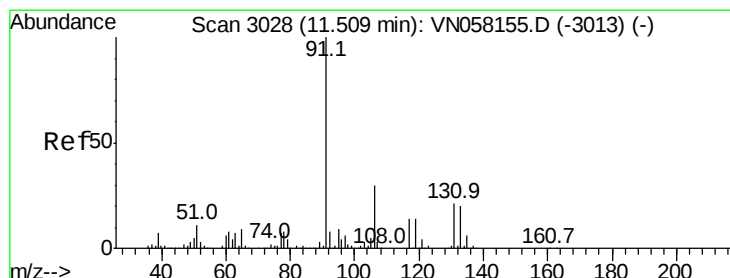
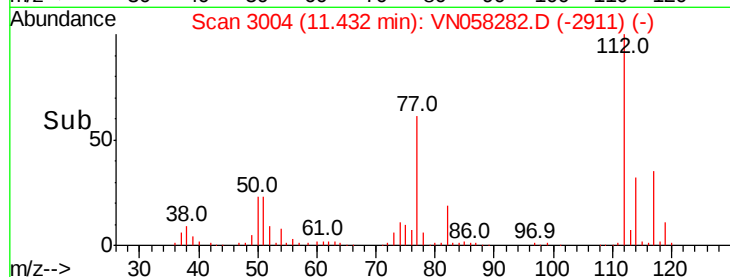
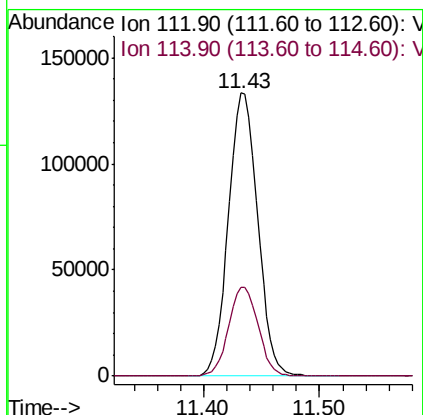
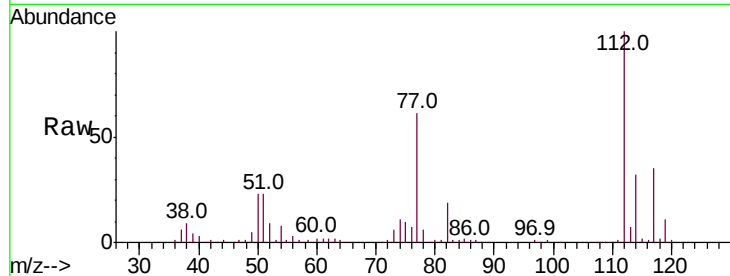




#65
Chlorobenzene
Concen: 19.701 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

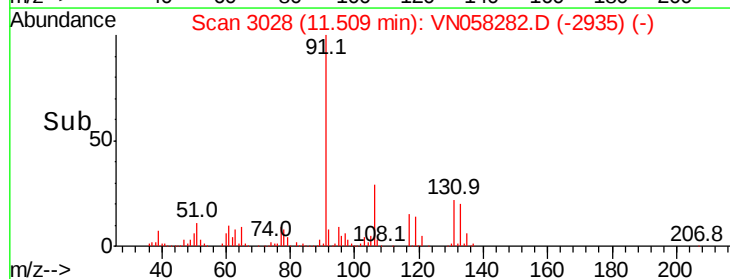
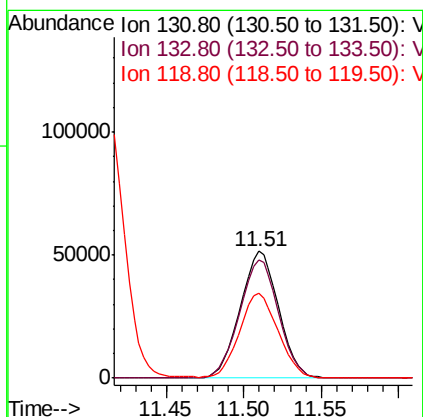
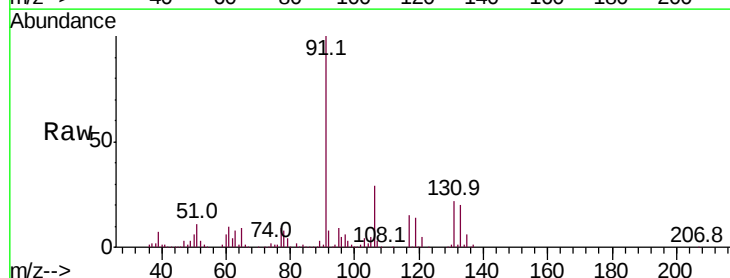
Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

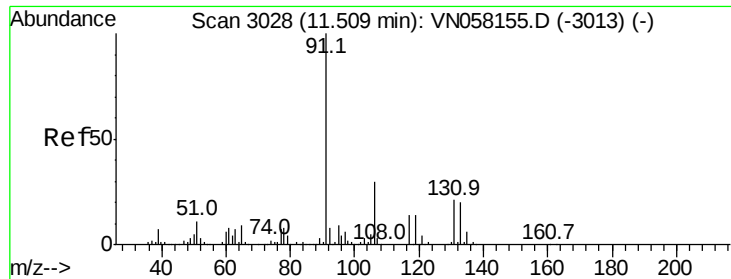
Tot Ion:112 Resp: 234155
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.687 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion:131 Resp: 89155
Ion Ratio Lower Upper
131 100
133 94.5 47.8 143.3
119 67.0 33.1 99.3

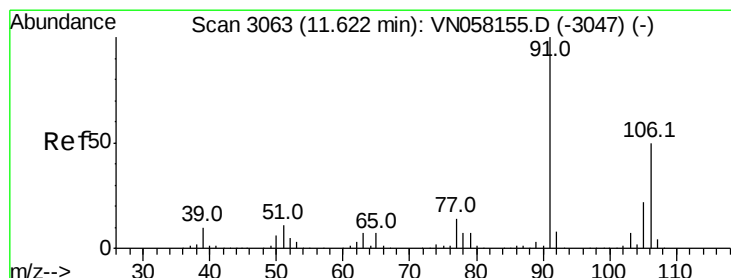
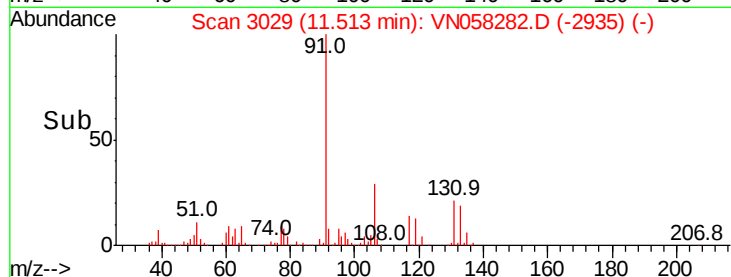
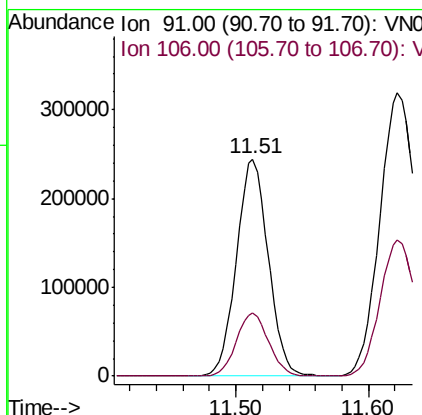
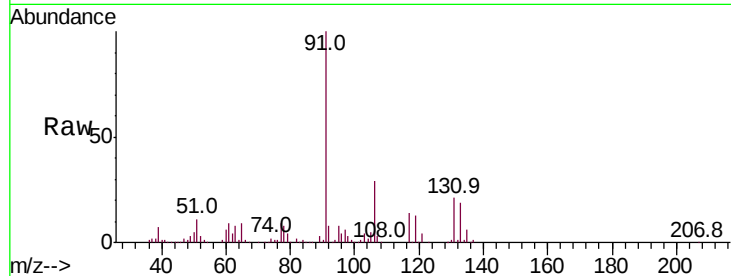




#67
Ethyl Benzene
Concen: 20.009 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

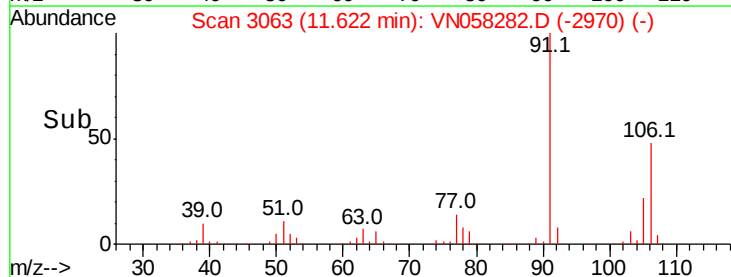
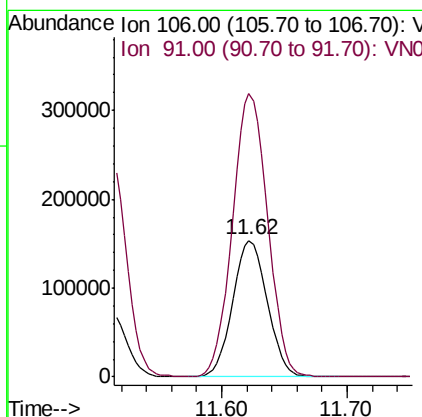
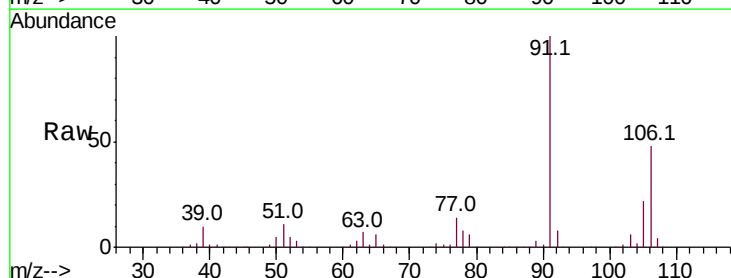
Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

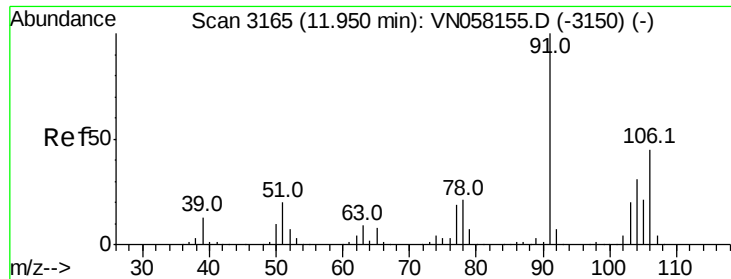
Tot Ion: 91 Resp: 407490
Ion Ratio Lower Upper
91 100
106 28.9 24.0 36.0



#68
m/p-Xylenes
Concen: 38.245 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion: 106 Resp: 293347
Ion Ratio Lower Upper
106 100
91 211.5 163.6 245.4

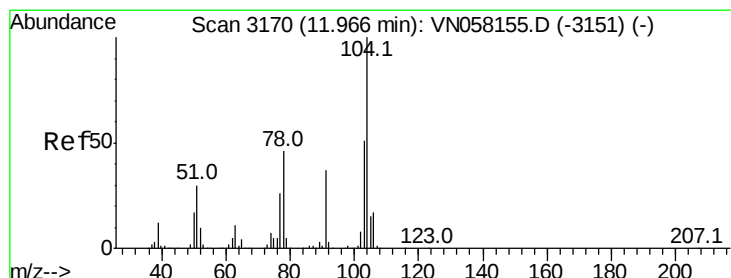
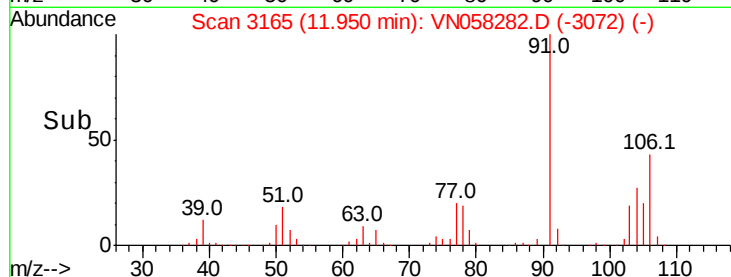
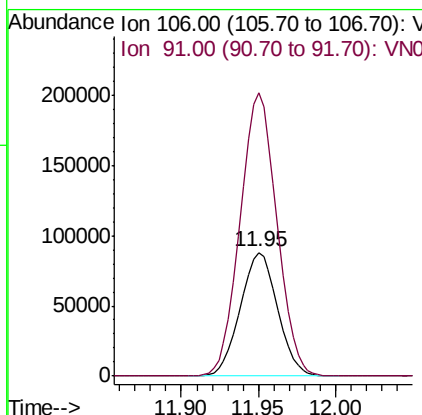
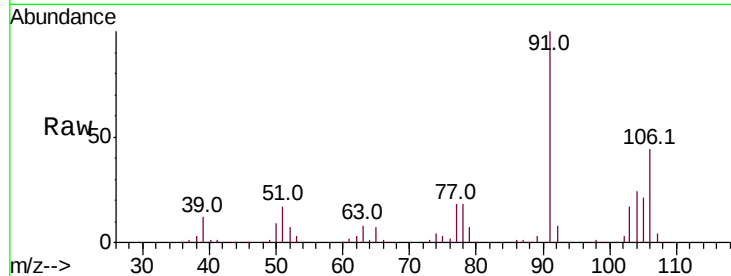




#69
o-Xylene
Concen: 19.583 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

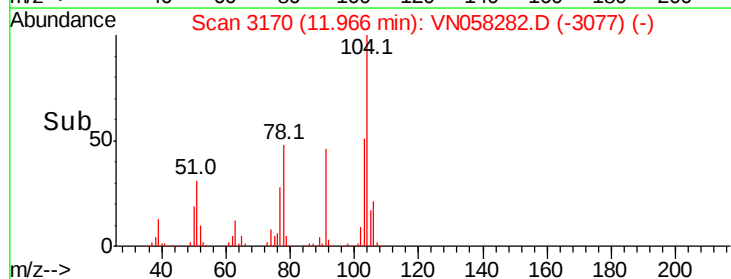
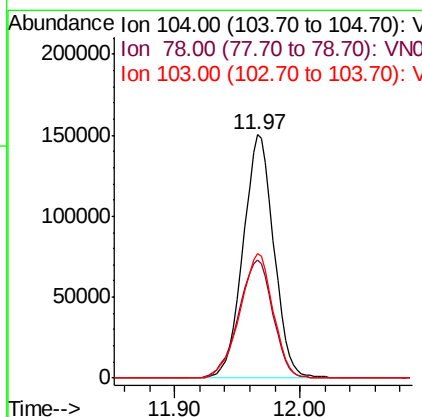
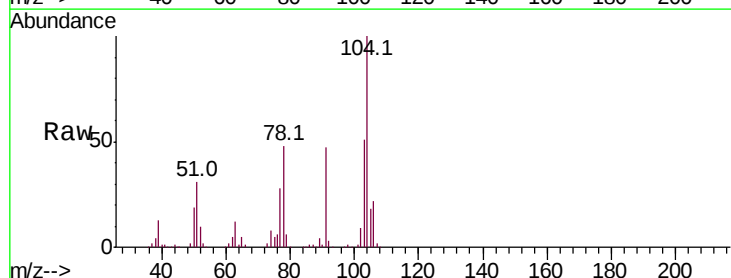
Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

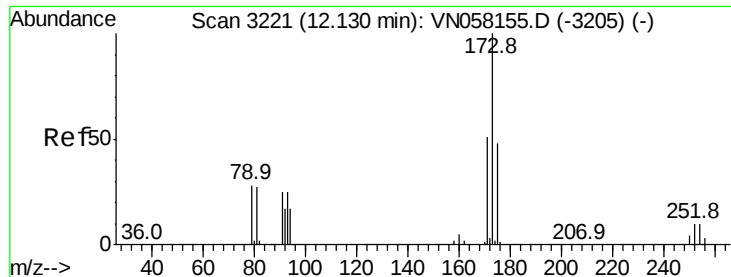
Tot Ion:106 Resp: 147696
Ion Ratio Lower Upper
106 100
91 226.1 111.8 335.3



#70
Styrene
Concen: 19.739 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion:104 Resp: 256501
Ion Ratio Lower Upper
104 100
78 54.3 41.8 62.8
103 55.2 44.2 66.2





#71

Bromoform

Concen: 19.810 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampled :

VN0923WBS01

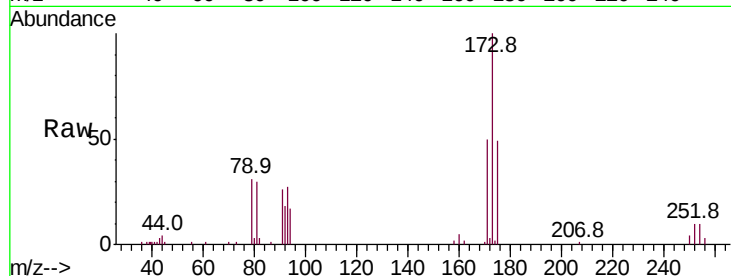
Tot Ion:173 Resp: 55824

Ion Ratio Lower Upper

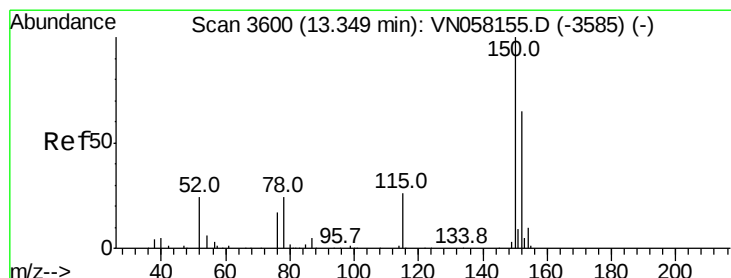
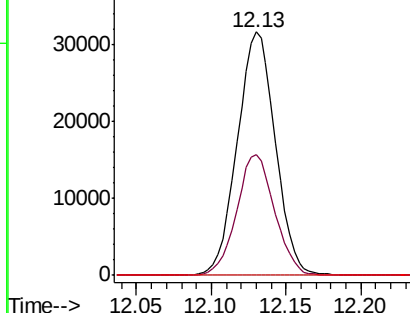
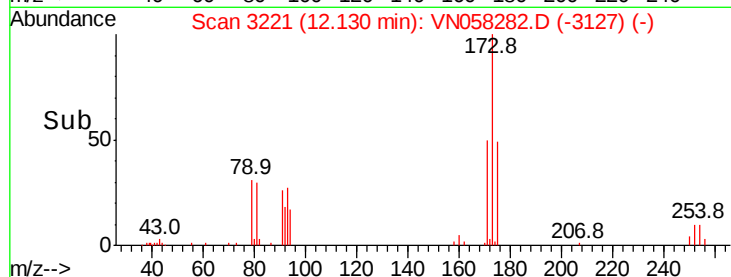
173 100

175 49.3 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# 3600

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

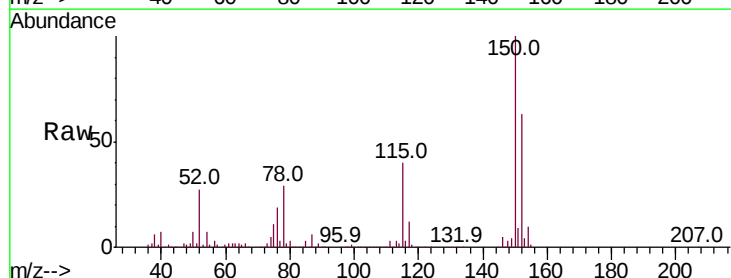
Tgt Ion:152 Resp: 313142

Ion Ratio Lower Upper

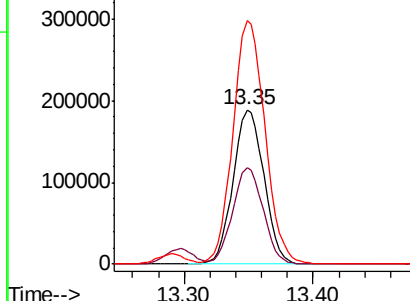
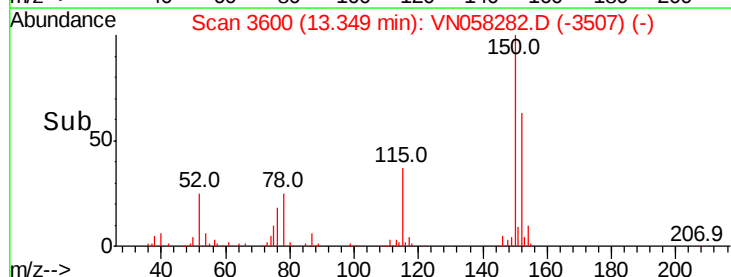
152 100

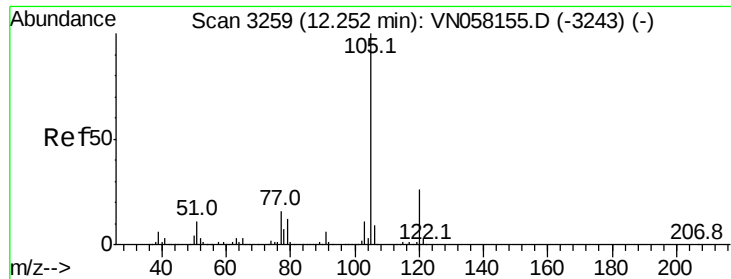
115 61.7 30.1 90.3

150 163.8 0.0 346.4



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

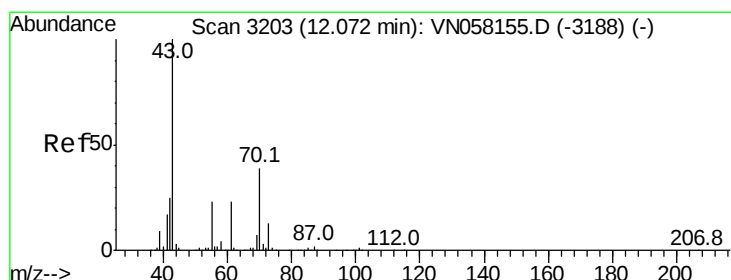
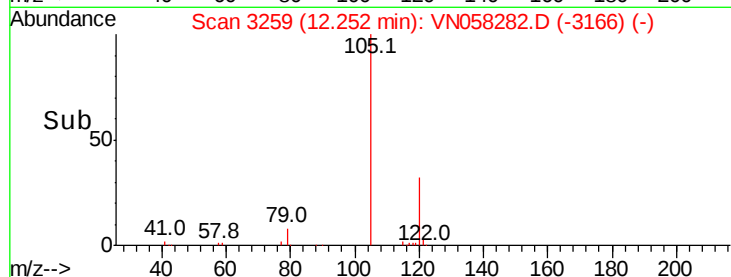
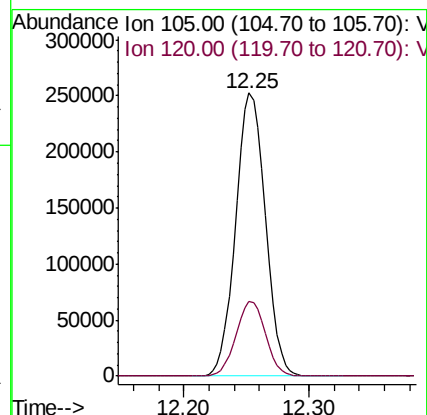
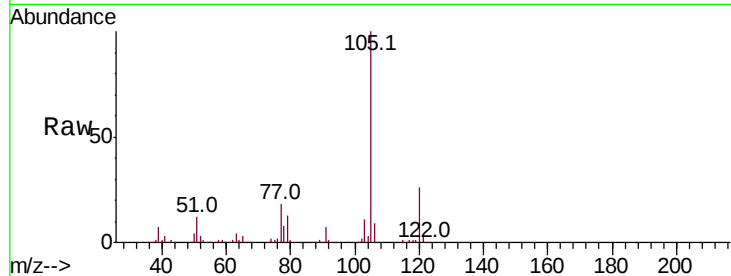




#73
Isopropylbenzene
Concen: 21.211 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

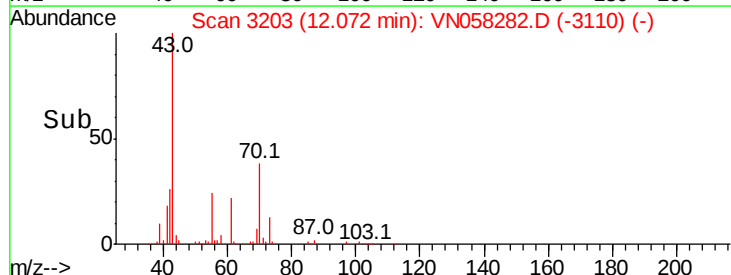
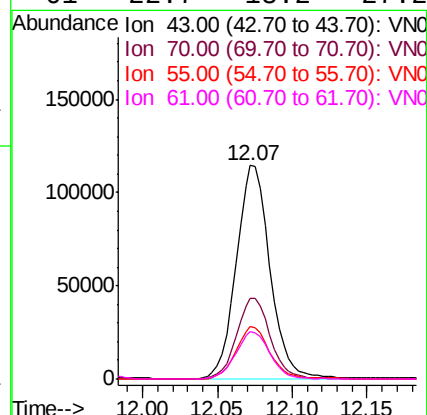
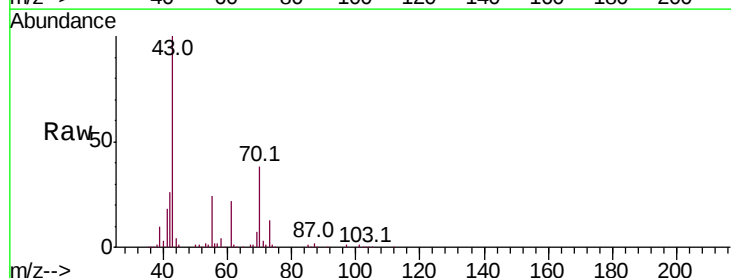
Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

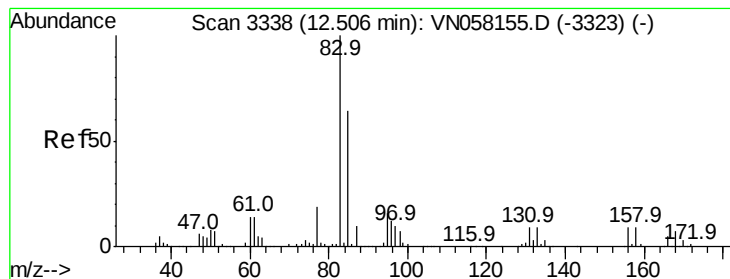
Tot Ion:105 Resp: 415744
Ion Ratio Lower Upper
105 100
120 26.2 12.8 38.3



#74
N-ethyl acetate
Concen: 21.841 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion: 43 Resp: 179094
Ion Ratio Lower Upper
43 100
70 38.5 31.0 46.6
55 24.4 18.5 27.7
61 22.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 23.319 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

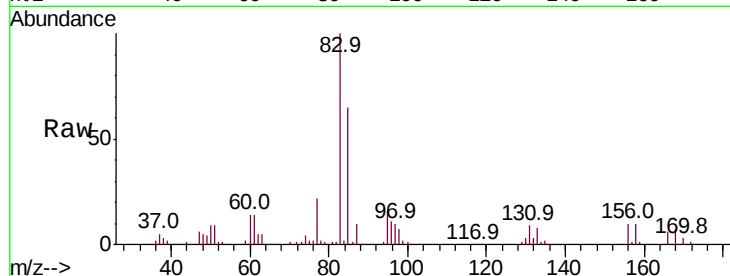
Tot Ion: 83 Resp: 153058

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

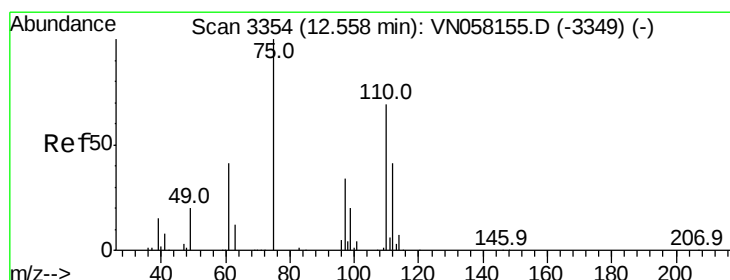
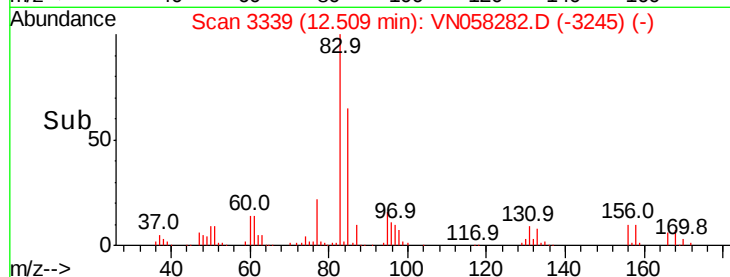
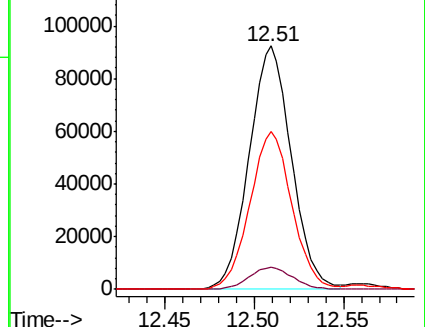
85 64.4 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 31.860 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058282.D

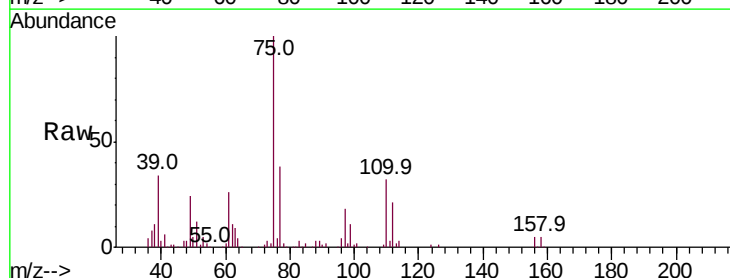
Acq: 23 Sep 2019 11:28

Tgt Ion: 75 Resp: 178554

Ion Ratio Lower Upper

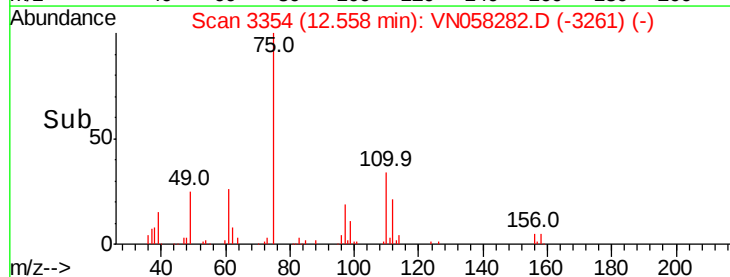
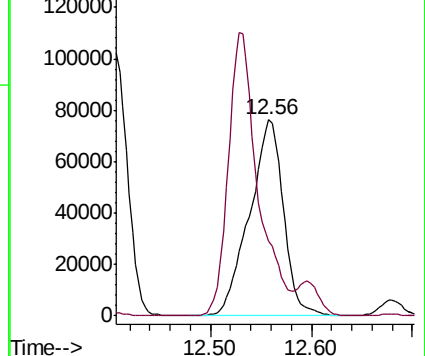
75 100

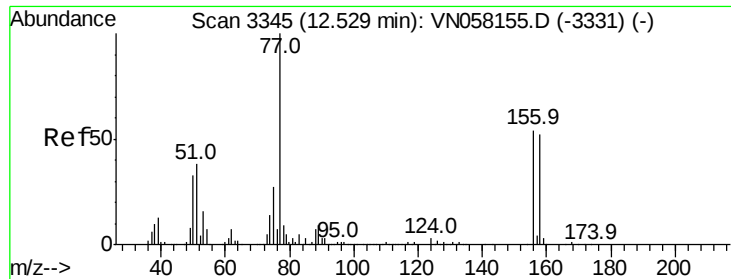
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC

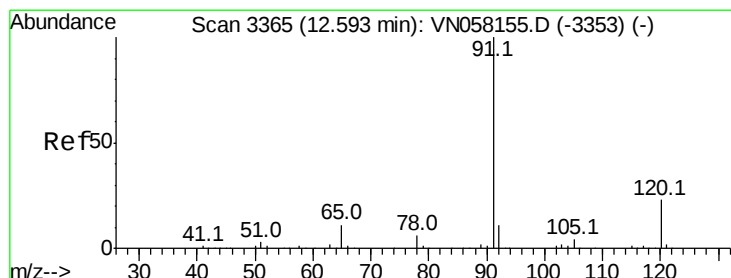
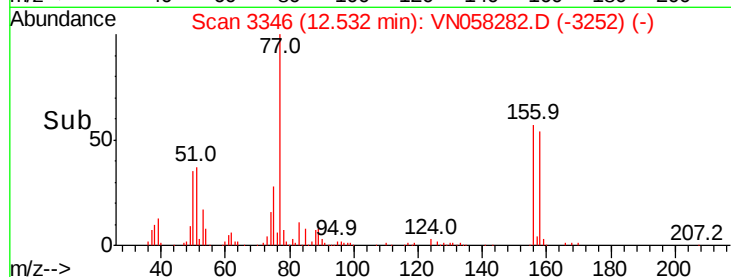
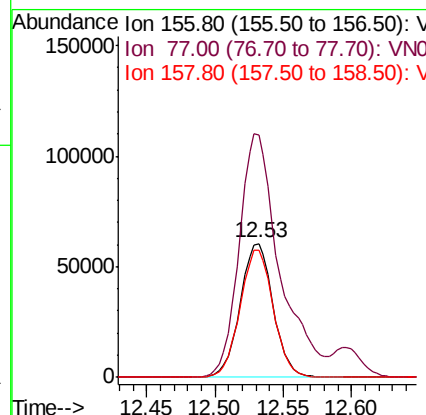
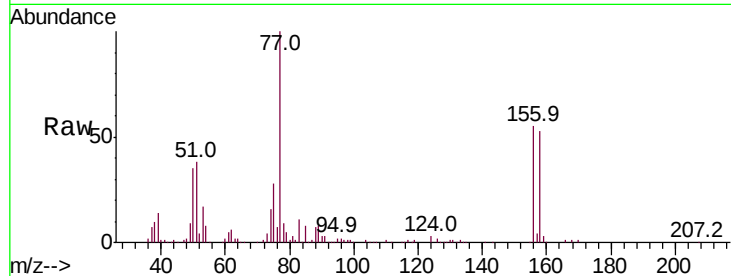




#77
Bromobenzene
Concen: 20.551 ug/l
RT: 12.53 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

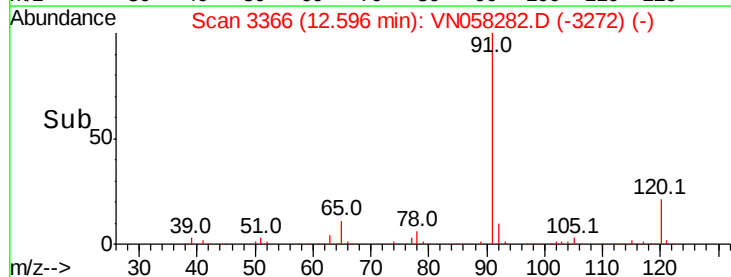
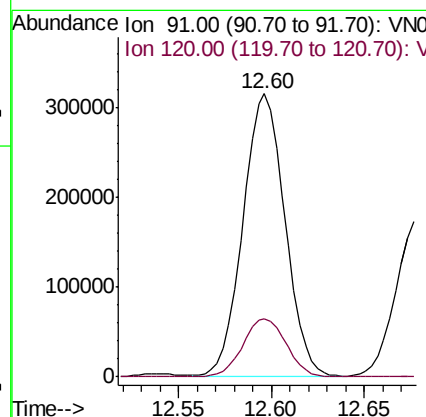
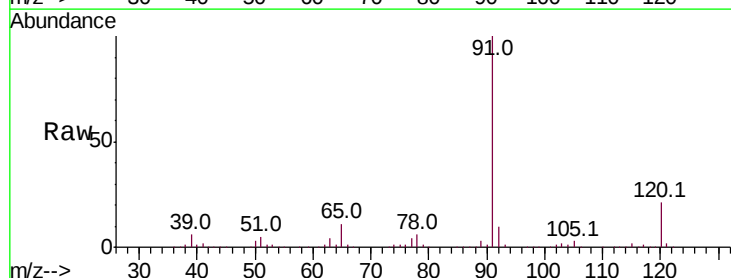
Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

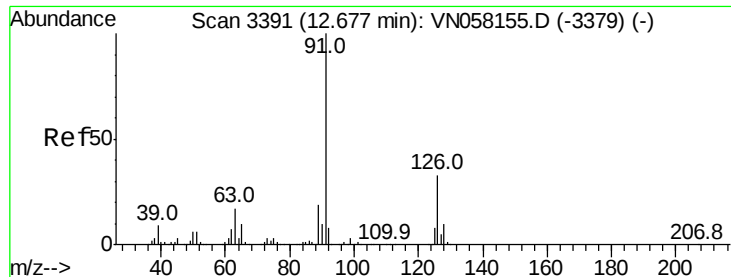
Tot Ion:156 Resp: 101326
Ion Ratio Lower Upper
156 100
77 223.8 111.7 335.1
158 96.0 47.9 143.8



#78
n-propylbenzene
Concen: 22.171 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion: 91 Resp: 493823
Ion Ratio Lower Upper
91 100
120 21.4 11.1 33.3





#79

2-Chlorotoluene

Concen: 21.309 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

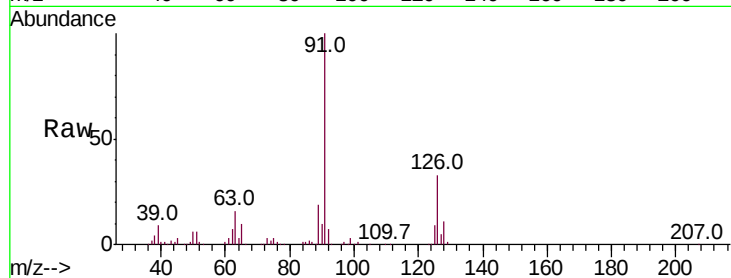
VN0923WBS01

Tot Ion: 91 Resp: 296622

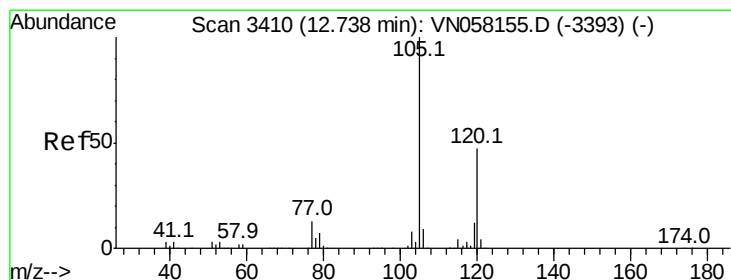
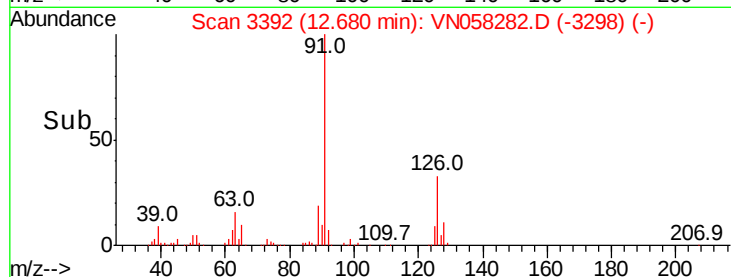
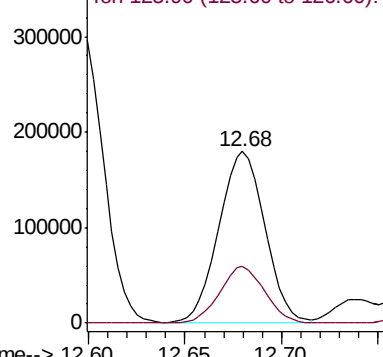
Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.423 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058282.D

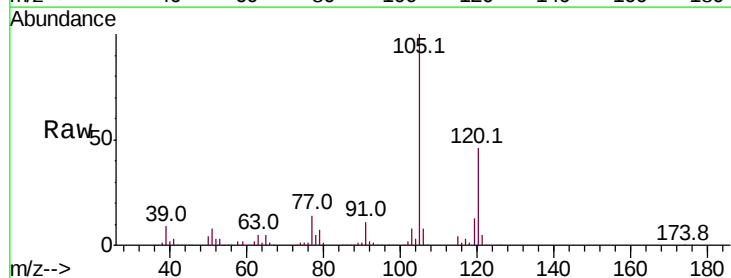
Acq: 23 Sep 2019 11:28

Tgt Ion: 105 Resp: 355079

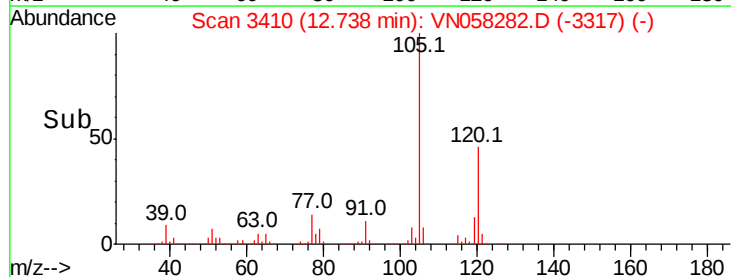
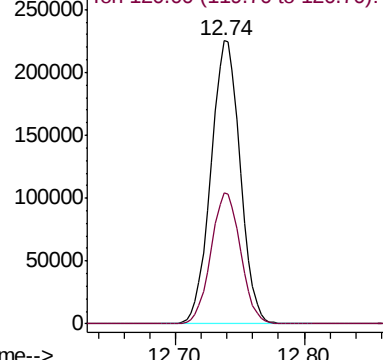
Ion Ratio Lower Upper

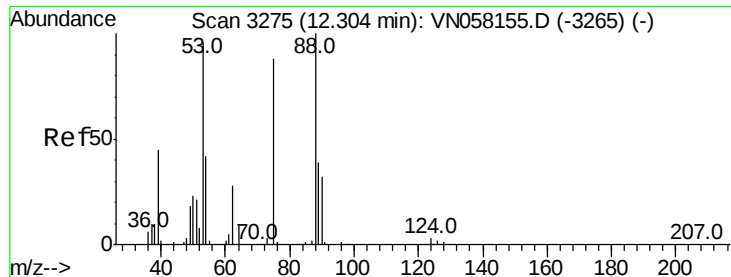
105 100

120 46.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.614 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

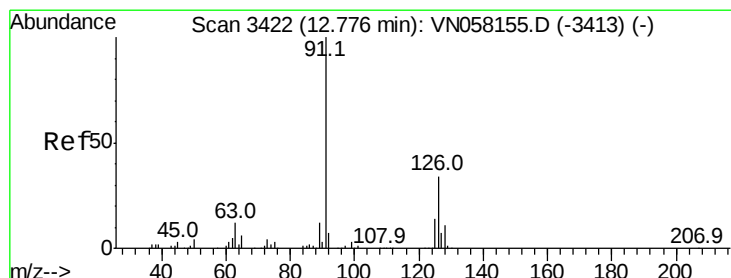
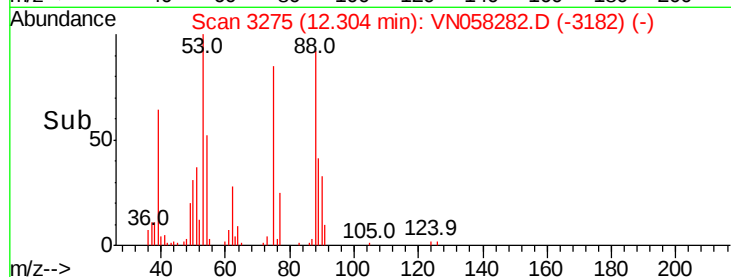
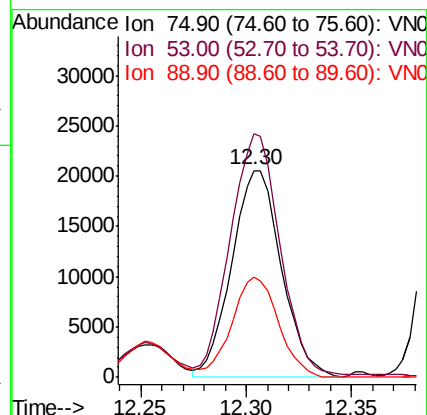
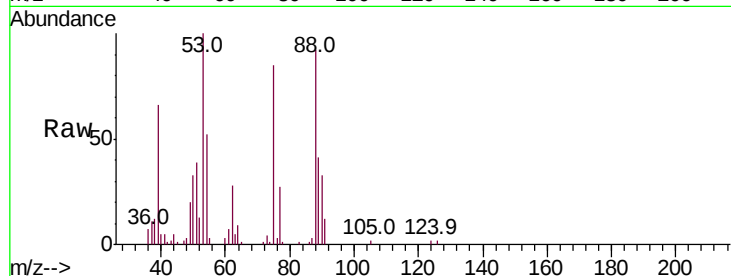
Tot Ion: 75 Resp: 33712

Ion Ratio Lower Upper

75 100

53 116.6 90.1 135.1

89 45.3 36.2 54.2



#82

4-Chlorotoluene

Concen: 20.840 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058282.D

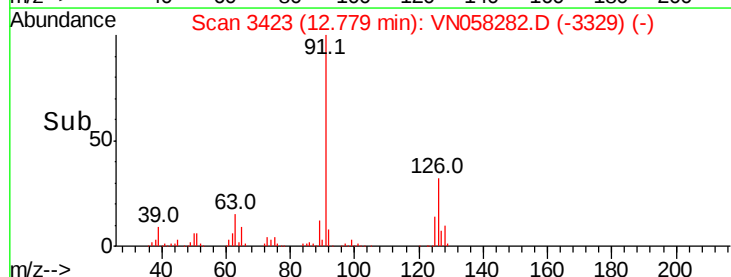
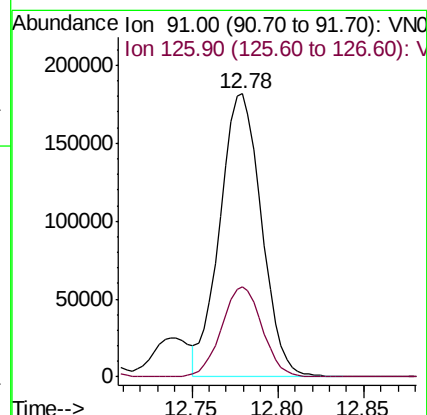
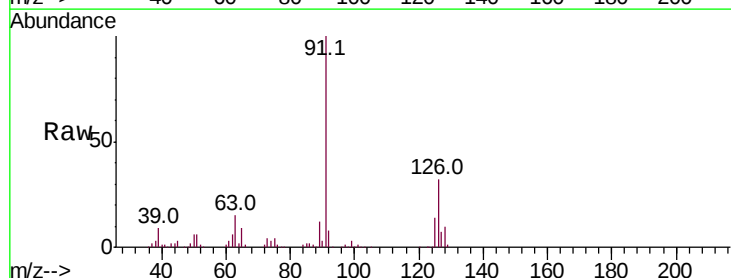
Acq: 23 Sep 2019 11:28

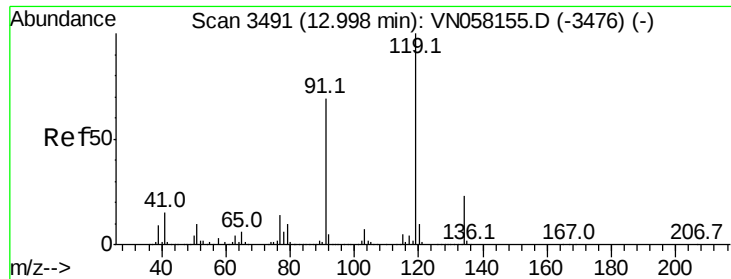
Tgt Ion: 91 Resp: 304937

Ion Ratio Lower Upper

91 100

126 31.1 15.7 47.1

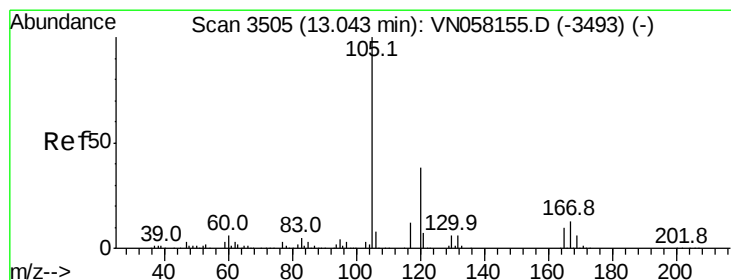
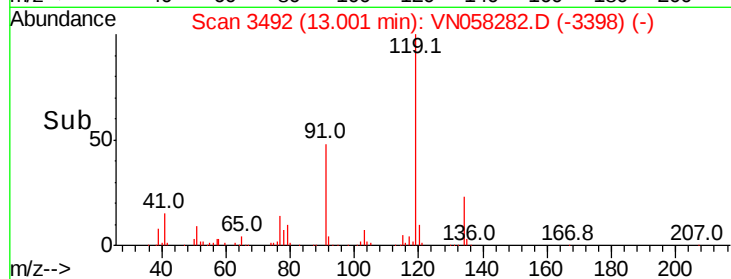
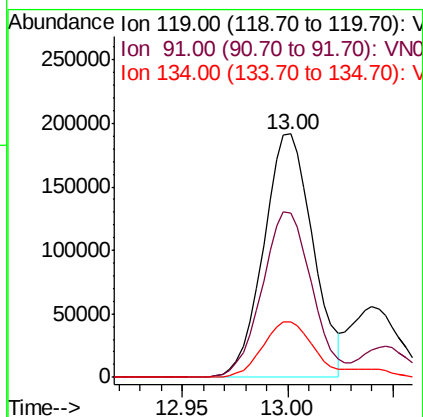
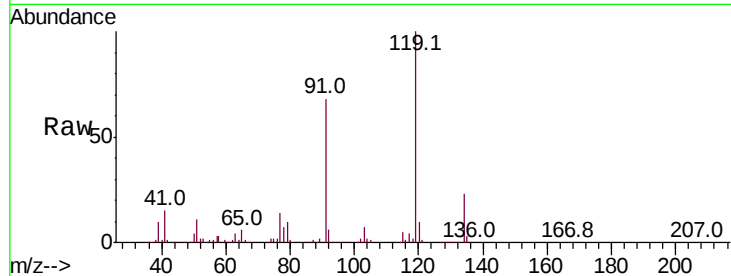




#83
tert-Butylbenzene
Concen: 21.083 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

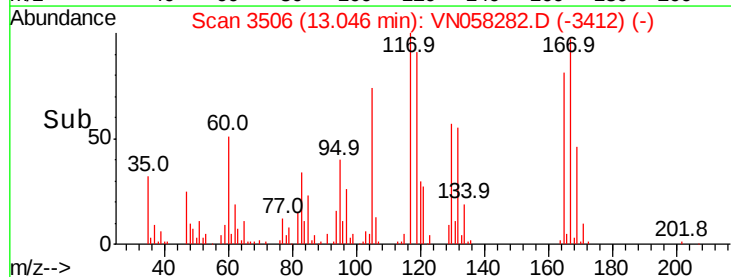
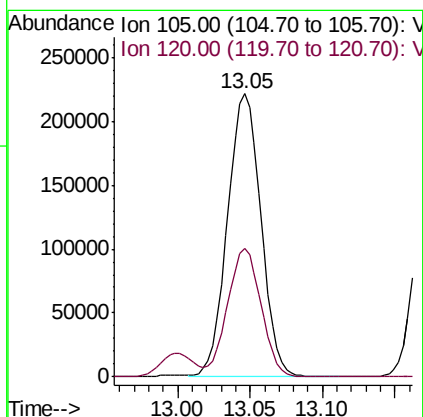
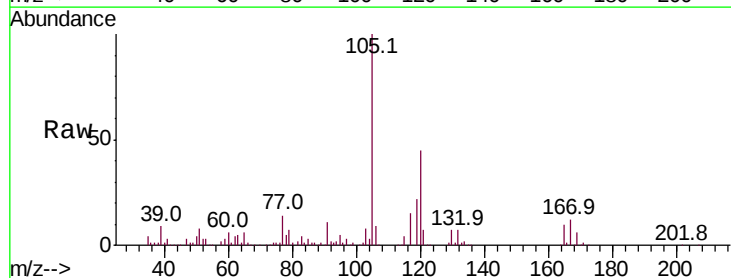
Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

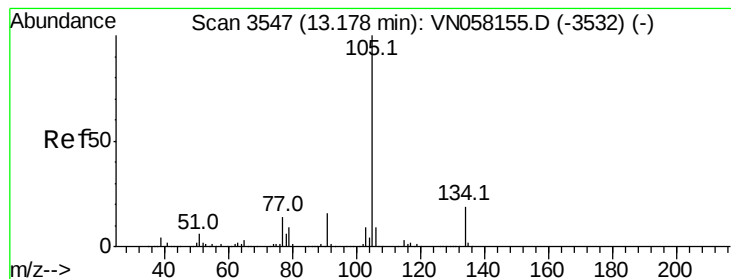
Tot Ion:119 Resp: 311622
Ion Ratio Lower Upper
119 100
91 68.6 33.8 101.3
134 23.6 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 21.470 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion:105 Resp: 354139
Ion Ratio Lower Upper
105 100
120 45.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 21.730 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

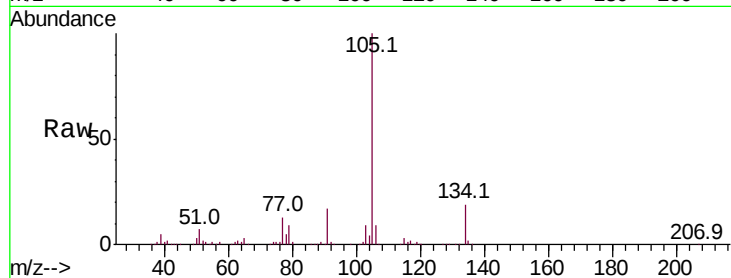
VN0923WBS01

Tot Ion:105 Resp: 420009

Ion Ratio Lower Upper

105 100

134 18.4 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

250000

200000

150000

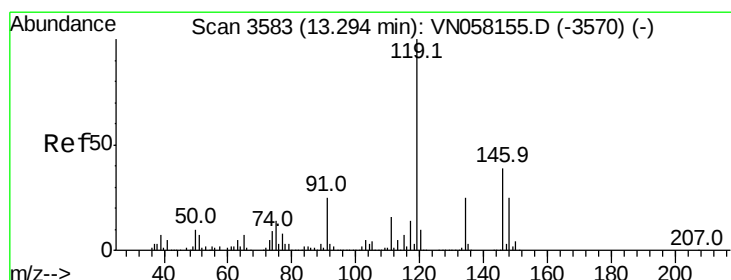
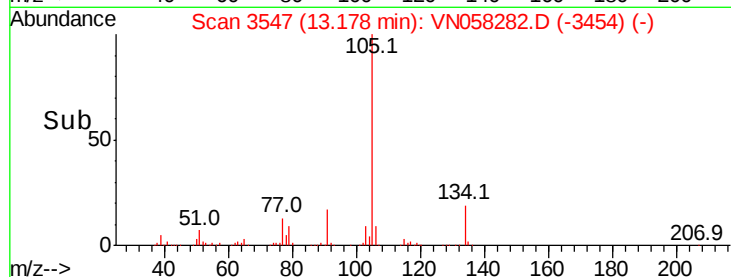
100000

50000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 21.660 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

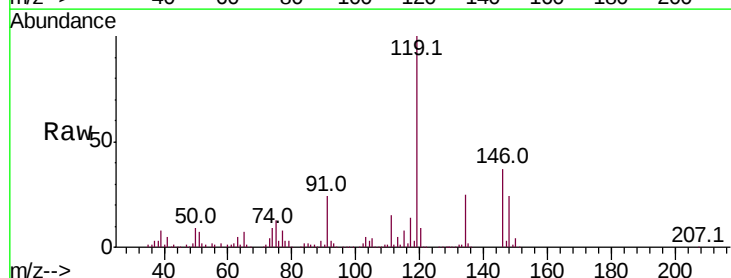
Tgt Ion:119 Resp: 372194

Ion Ratio Lower Upper

119 100

134 24.7 12.7 38.0

91 24.7 12.3 36.8



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

13.30

250000

200000

150000

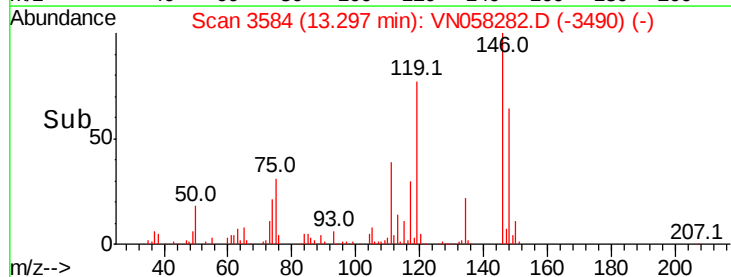
100000

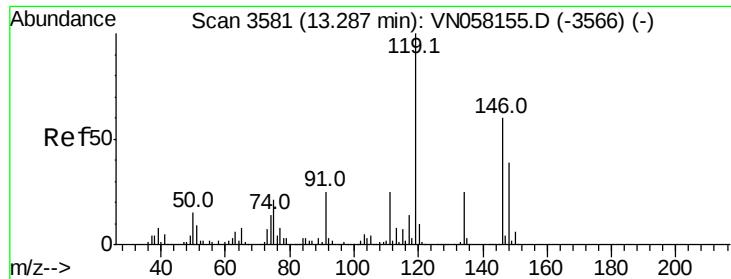
50000

0

Time-->

13.25 13.30 13.35

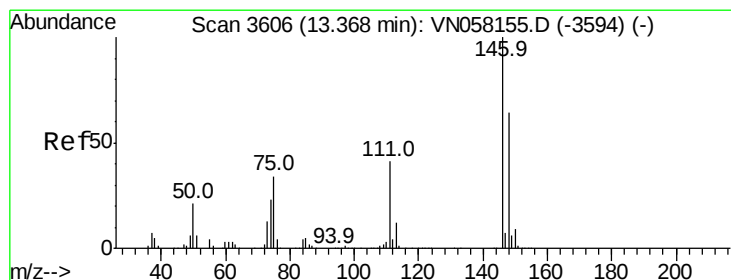
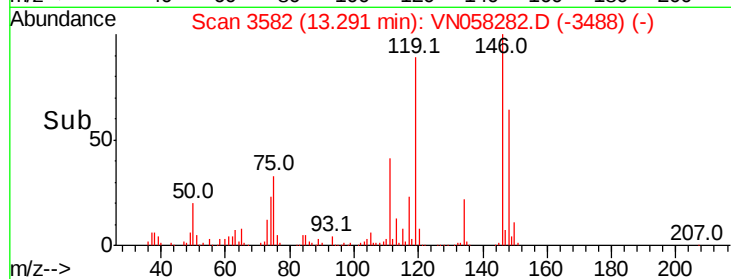
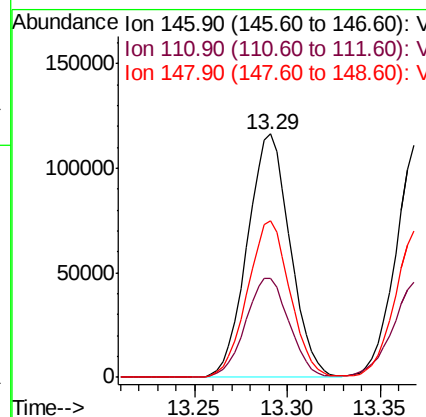
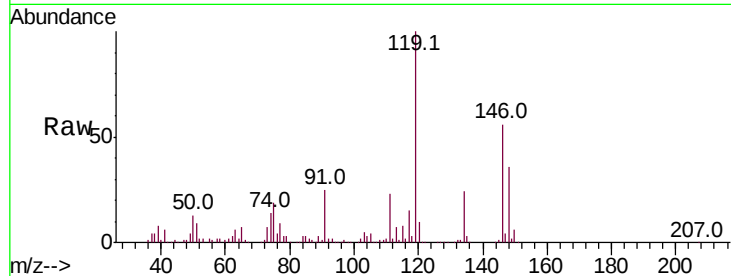




#87
 1,3-Dichlorobenzene
 Concen: 20.744 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

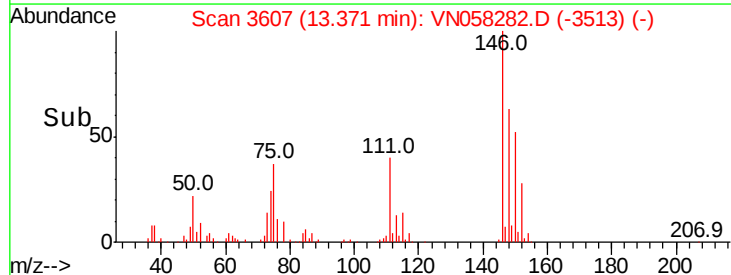
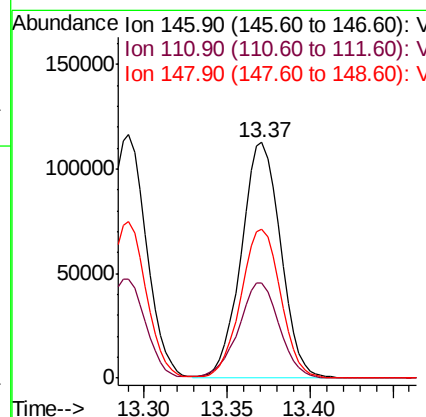
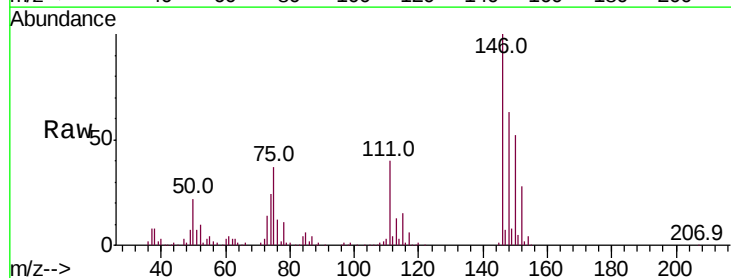
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

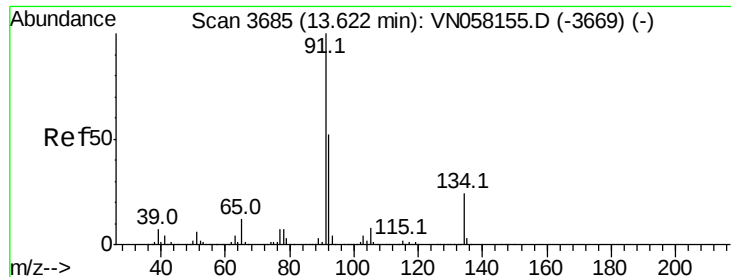
Tot Ion:146 Resp: 186808
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.9 62.8
 148 63.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.224 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion:146 Resp: 185931
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.5 61.5
 148 64.5 31.9 95.5

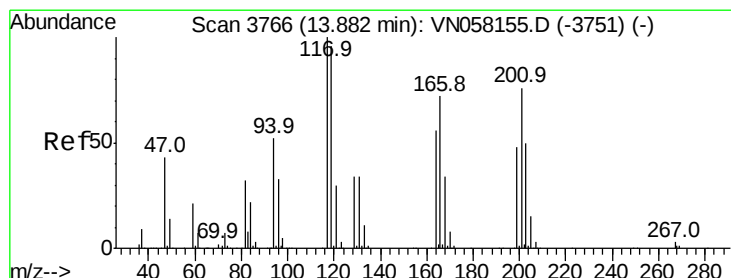
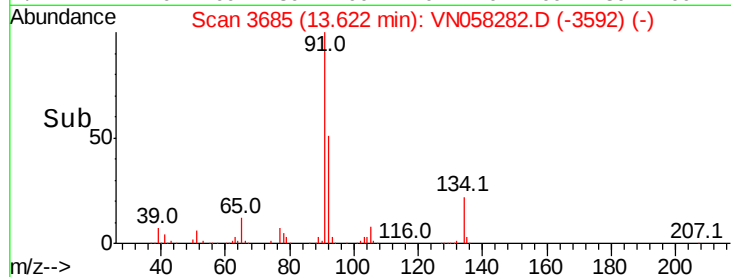
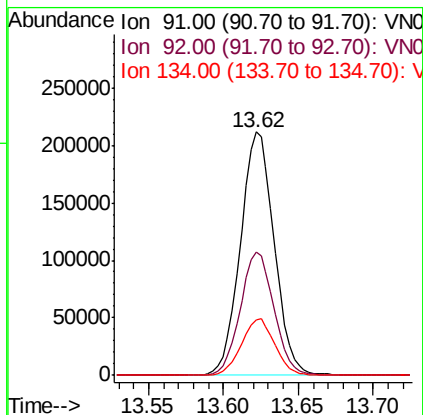
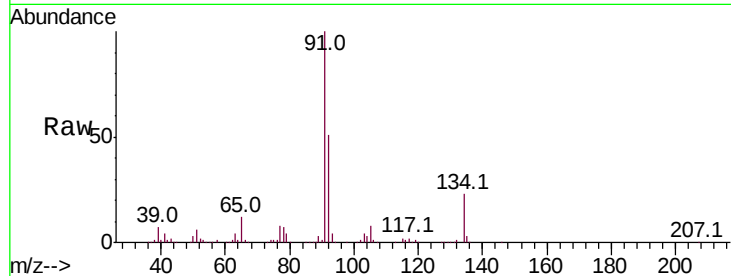




#89
n-Butylbenzene
Concen: 20.403 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

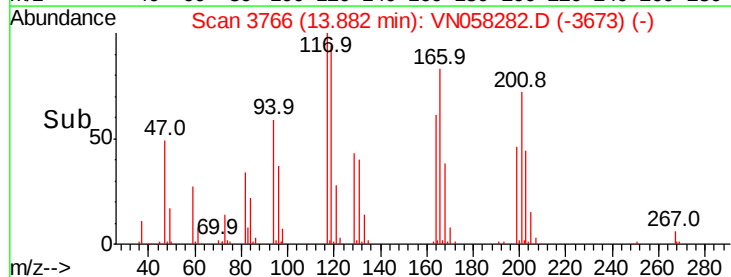
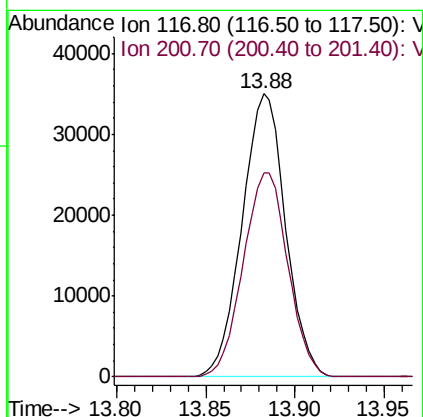
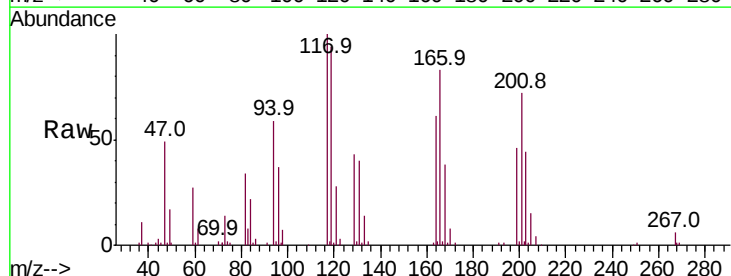
Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

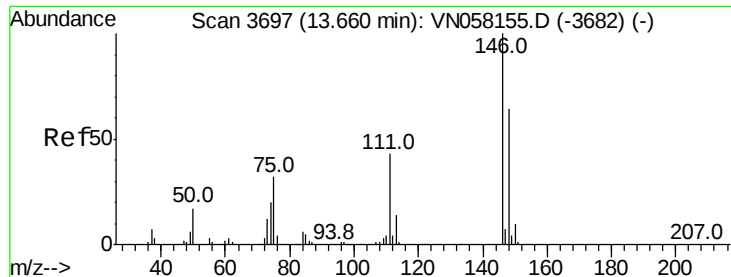
Tot Ion: 91 Resp: 332394
Ion Ratio Lower Upper
91 100
92 50.5 25.7 77.0
134 23.1 11.8 35.4



#90
Hexachloroethane
Concen: 21.445 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion: 117 Resp: 59470
Ion Ratio Lower Upper
117 100
201 74.2 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 20.775 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampled :

VN0923WBS01

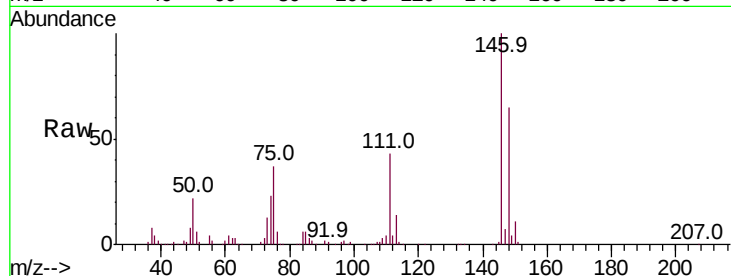
Tot Ion:146 Resp: 187667

Ion Ratio Lower Upper

146 100

111 43.7 21.1 63.1

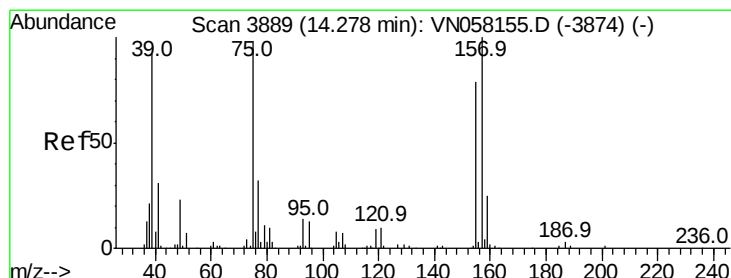
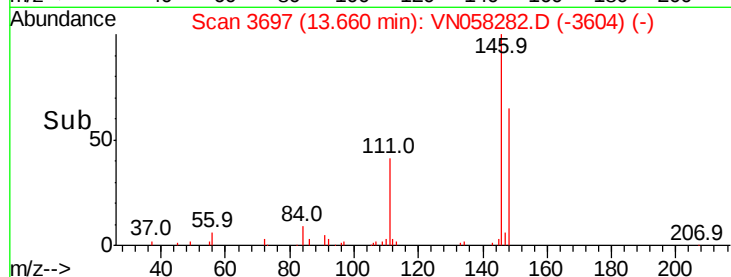
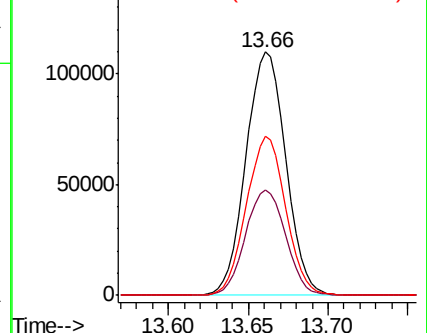
148 64.6 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

150000 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: 22.649 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

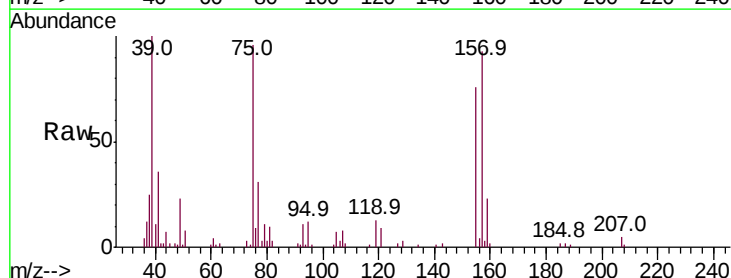
Tgt Ion: 75 Resp: 26764

Ion Ratio Lower Upper

75 100

155 72.4 38.3 114.8

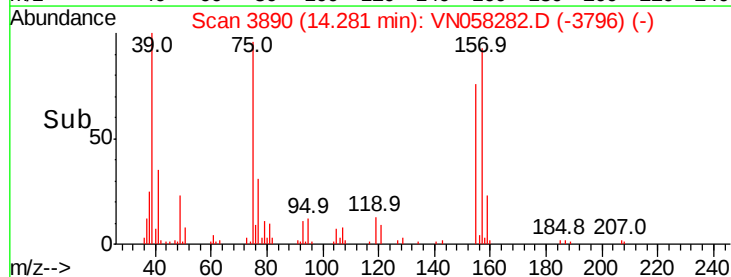
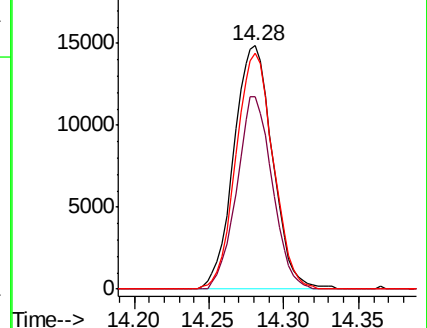
157 92.9 48.0 144.0

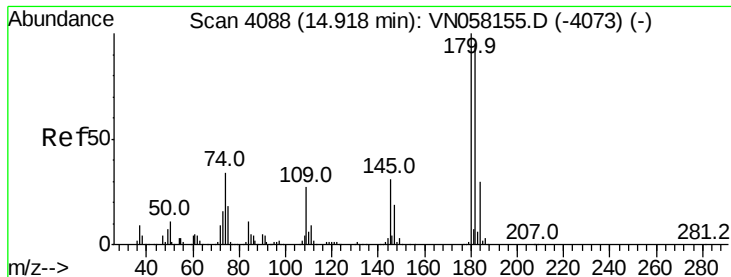


Abundance Ion 74.90 (74.60 to 75.60): V

20000 Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

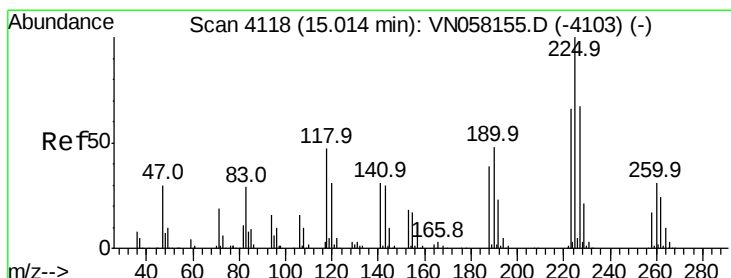
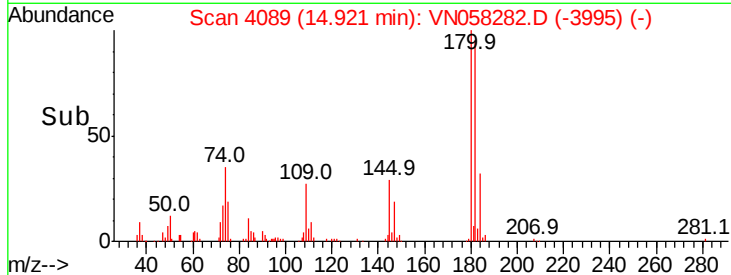
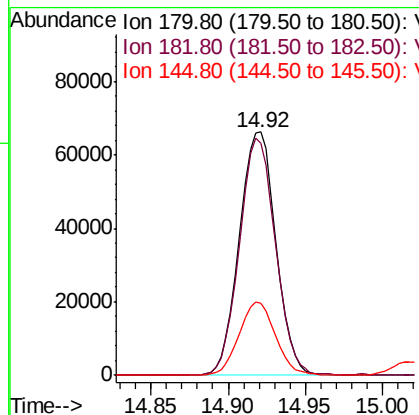
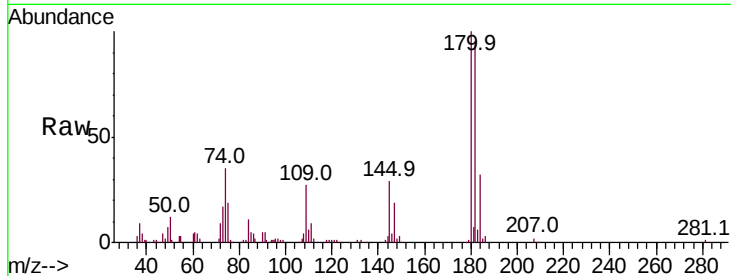




#93
 1,2,4-Trichlorobenzene
 Concen: 18.902 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

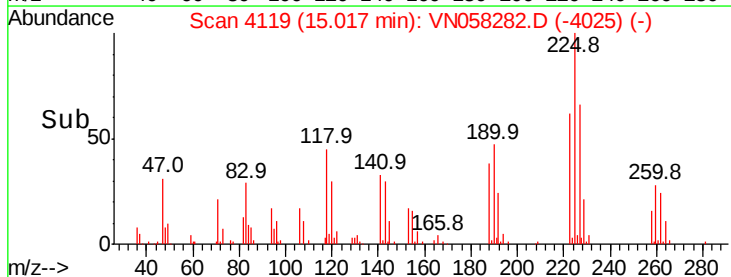
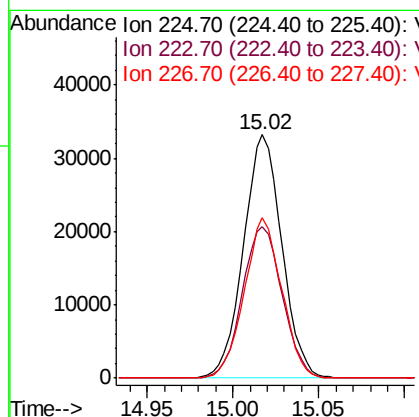
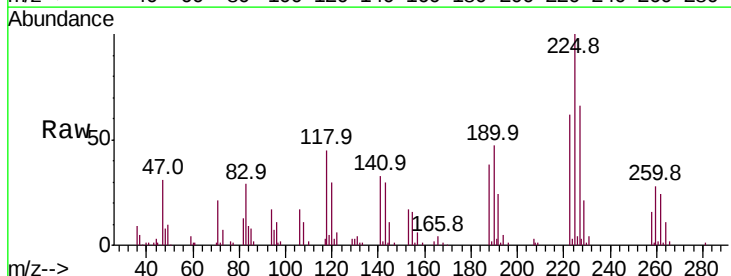
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

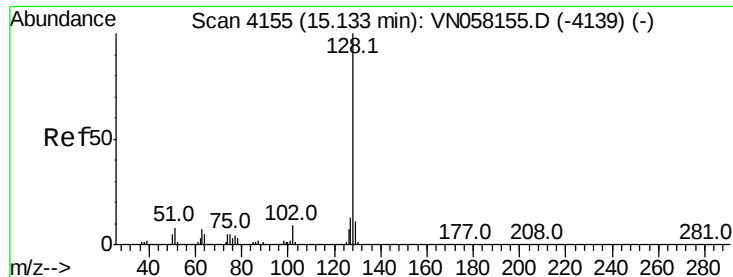
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.8	143.3
145	30.1	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 18.471 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	32.6	97.7
227	64.2	33.0	99.0





#95

Naphthalene

Concen: 20.812 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

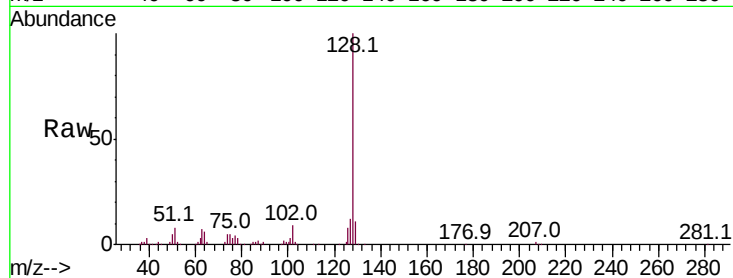
Tot Ion:128 Resp: 311301

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

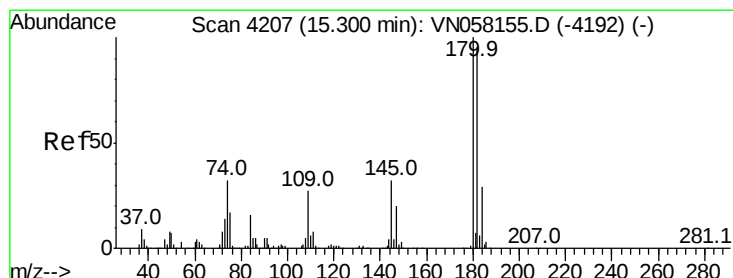
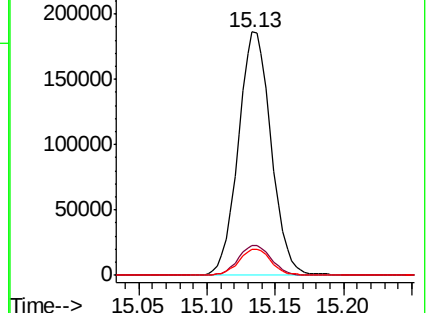
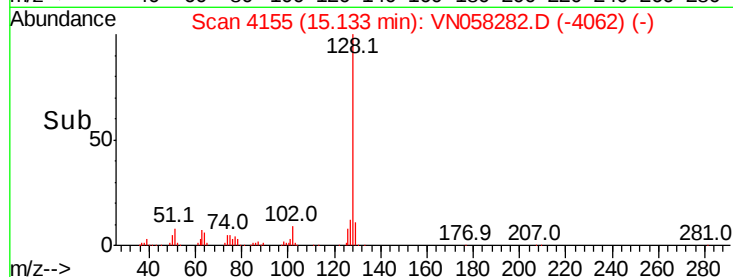
129 10.5 8.6 12.8



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: 19.714 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

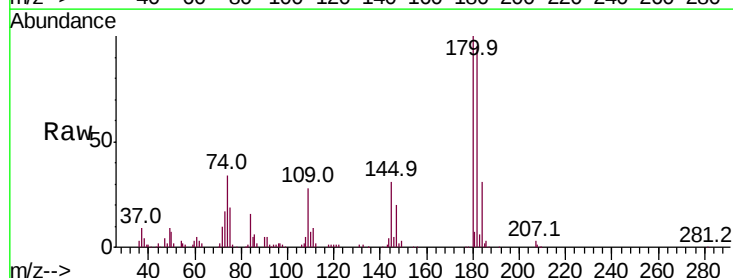
Tgt Ion:180 Resp: 107542

Ion Ratio Lower Upper

180 100

182 94.9 47.4 142.2

145 30.1 16.1 48.2



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

