

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059154.D
 Acq On : 11 Nov 2019 12:41
 Operator : JC/SP
 Sample : VN1111WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Quant Time: Nov 12 00:40:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	467278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	754038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	680492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	298338	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	305594	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
35) Dibromofluoromethane	7.57	113	231627	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
50) Toluene-d8	10.08	98	894977	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	318808	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	91459	19.426	ug/l	99
3) Chloromethane	2.04	50	122900	19.204	ug/l	100
4) Vinyl Chloride	2.17	62	125858	20.284	ug/l	99
5) Bromomethane	2.54	94	70343	19.701	ug/l	96
6) Chloroethane	2.68	64	75756	20.640	ug/l	98
7) Trichlorofluoromethane	3.00	101	153731	20.714	ug/l	99
8) Diethyl Ether	3.39	74	60687	20.125	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	89416	19.982	ug/l	97
10) Methyl Iodide	3.93	142	104017	18.780	ug/l	98
11) Tert butyl alcohol	4.76	59	115358	105.379	ug/l	98
12) 1,1-Dichloroethene	3.71	96	86038	19.738	ug/l	100
13) Acrolein	3.58	56	43890	77.764	ug/l	97
14) Allyl chloride	4.30	41	173120	19.335	ug/l	96
15) Acrylonitrile	4.95	53	285850	104.926	ug/l	98
16) Acetone	3.79	43	293694	98.323	ug/l	97
17) Carbon Disulfide	4.03	76	246372	18.208	ug/l	99
18) Methyl Acetate	4.30	43	153569	21.660	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	319122	21.264	ug/l	99
20) Methylene Chloride	4.53	84	104397	20.061	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	94351	20.165	ug/l	99
22) Diisopropyl ether	5.92	45	351525	20.785	ug/l	95
23) Vinyl Acetate	5.87	43	1465777	111.827	ug/l	100
24) 1,1-Dichloroethane	5.82	63	193888	20.526	ug/l	98
25) 2-Butanone	6.81	43	410610	104.303	ug/l	100
26) 2,2-Dichloropropane	6.80	77	173082	20.955	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	111750	20.587	ug/l	99
28) Bromochloromethane	7.17	49	58607	20.622	ug/l	99
29) Tetrahydrofuran	7.19	42	264706	105.824	ug/l	100
30) Chloroform	7.35	83	191308	21.112	ug/l	99
31) Cyclohexane	7.63	56	173516	19.404	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	164425	21.583	ug/l	99
36) 1,1-Dichloropropene	7.77	75	139070	19.732	ug/l	99
37) Ethyl Acetate	6.91	43	166793	21.273	ug/l	100
38) Carbon Tetrachloride	7.75	117	142003	20.243	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	160783	19.656	ug/l	99
40) Benzene	8.02	78	426175	20.080	ug/l	100
41) Methacrylonitrile	7.18	41	234117	68.666	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	155348	21.341	ug/l	99
43) Isopropyl Acetate	8.15	43	251951	20.156	ug/l	99
44) Trichloroethene	8.82	130	104101	19.953	ug/l	98
45) 1,2-Dichloropropane	9.10	63	115834	20.093	ug/l	99
46) Dibromomethane	9.19	93	71407	19.877	ug/l	99
47) Bromodichloromethane	9.39	83	148952	20.765	ug/l	99
48) Methyl methacrylate	9.18	41	113530	20.305	ug/l	99
49) 1,4-Dioxane	9.18	88	38475	387.208	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	802810	113.505	ug/l	98
52) Toluene	10.14	92	259418	20.393	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	166774	20.123	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	181129	20.318	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	107100	20.803	ug/l	98
56) Ethyl methacrylate	10.42	69	160176	19.828	ug/l	98
57) 1,3-Dichloropropane	10.70	76	183411	20.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	304493	106.273	ug/l	100
59) 2-Hexanone	10.74	43	592036	109.055	ug/l	99
60) Dibromochloromethane	10.90	129	111022	20.396	ug/l	100
61) 1,2-Dibromoethane	11.00	107	107635	20.652	ug/l	99
64) Tetrachloroethene	10.63	164	89516	19.345	ug/l	98
65) Chlorobenzene	11.43	112	275765	20.788	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	102409	20.580	ug/l	99
67) Ethyl Benzene	11.51	91	490706	20.849	ug/l	98
68) m/p-Xylenes	11.62	106	360277	40.865	ug/l	97
69) o-Xylene	11.95	106	174286	20.456	ug/l	98
70) Styrene	11.96	104	272185	20.313	ug/l	98
71) Bromoform	12.12	173	78564	20.297	ug/l #	99
73) Isopropylbenzene	12.25	105	472735	21.784	ug/l	99
74) N-amyl acetate	12.07	43	196271	21.344	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	163752	22.158	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	212754	31.323	ug/l #	100
77) Bromobenzene	12.53	156	113409	20.800	ug/l	100
78) n-propylbenzene	12.59	91	537114	21.616	ug/l	100
79) 2-Chlorotoluene	12.67	91	330516	21.442	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	393969	21.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53292	20.724	ug/l	95
82) 4-Chlorotoluene	12.77	91	329246	21.296	ug/l	99
83) tert-Butylbenzene	12.99	119	342916	21.594	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	385271	21.656	ug/l	100
85) sec-Butylbenzene	13.17	105	445963	21.594	ug/l	100
86) p-Isopropyltoluene	13.29	119	391786	21.485	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	192864	20.657	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	189427	20.278	ug/l	99
89) n-Butylbenzene	13.62	91	314484	19.704	ug/l	99
90) Hexachloroethane	13.88	117	75440	20.602	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	194126	21.136	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32899	22.328	ug/l	93

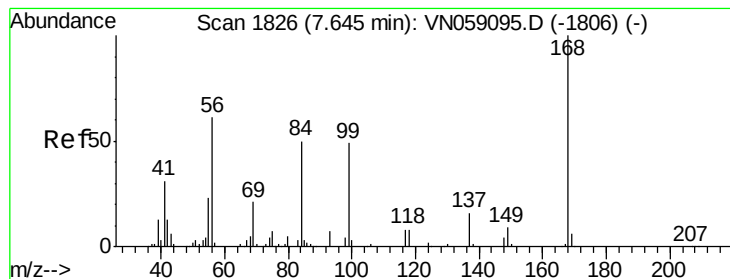
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	91349	18.441	ug/l	99
94) Hexachlorobutadiene	15.01	225	61777	19.508	ug/l	99
95) Naphthalene	15.13	128	252888	18.406	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	92582	17.987	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

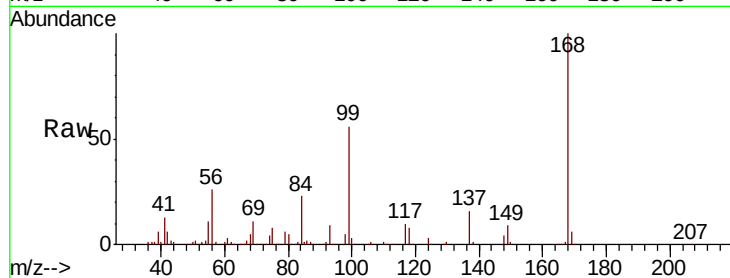
VN1111WBS01

Tot Ion:168 Resp: 467278

Ion Ratio Lower Upper

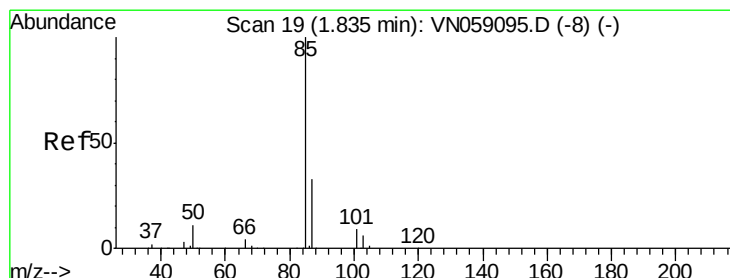
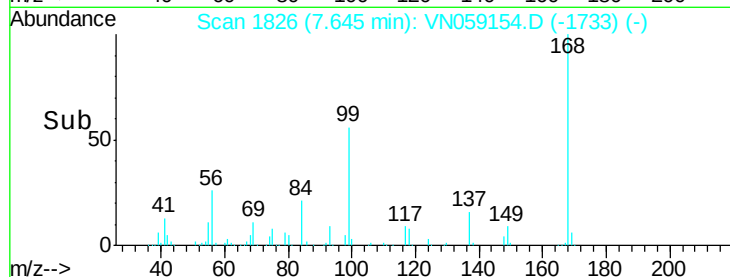
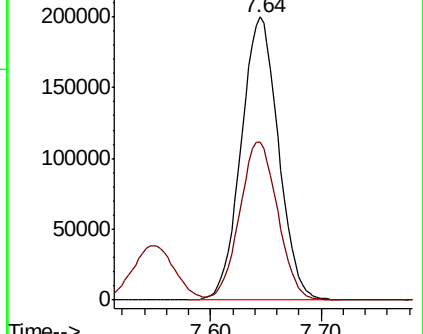
168 100

99 55.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.426 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059154.D

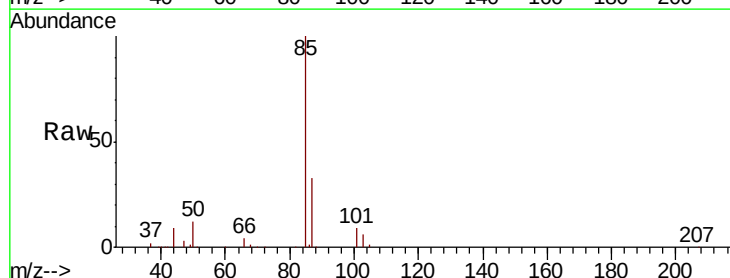
Acq: 11 Nov 2019 12:41

Tgt Ion: 85 Resp: 91459

Ion Ratio Lower Upper

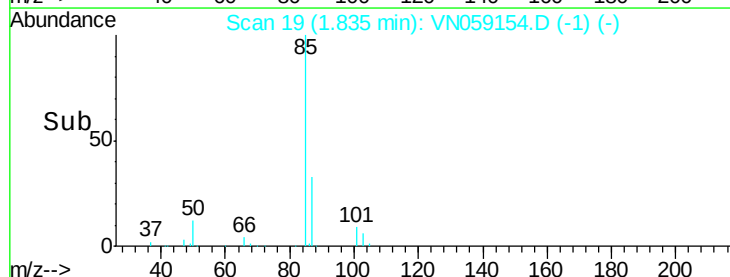
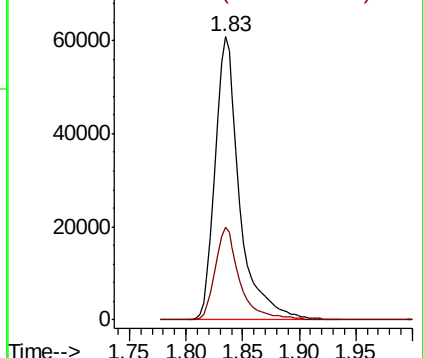
85 100

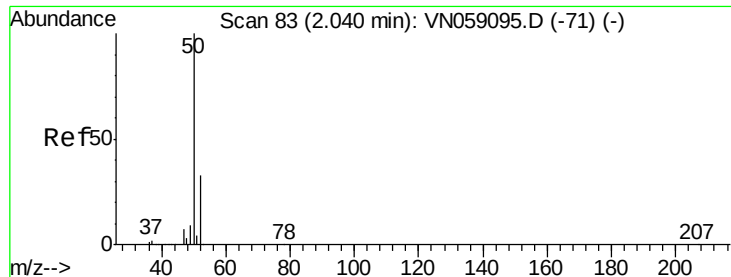
87 32.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.204 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

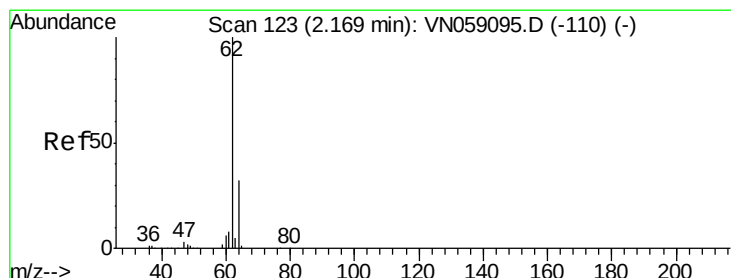
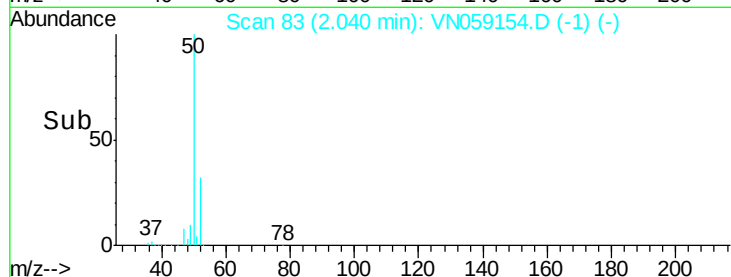
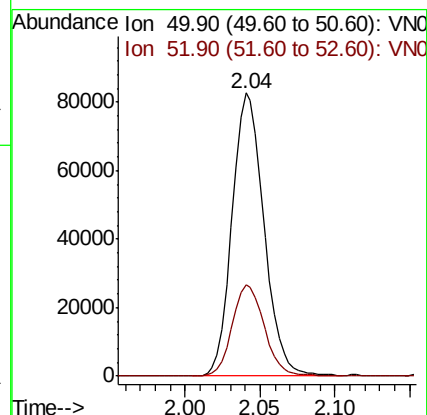
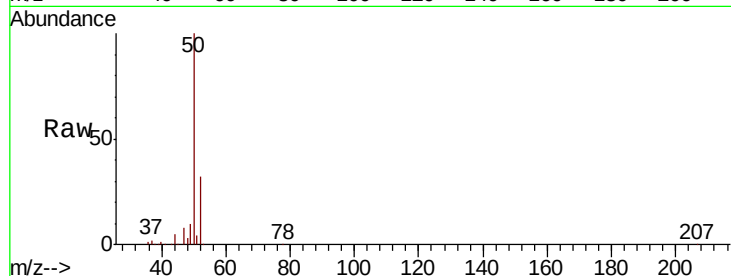
VN1111WBS01

Tot Ion: 50 Resp: 122900

Ion Ratio Lower Upper

50 100

52 32.2 26.0 39.0



#4

Vinyl Chloride

Concen: 20.284 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059154.D

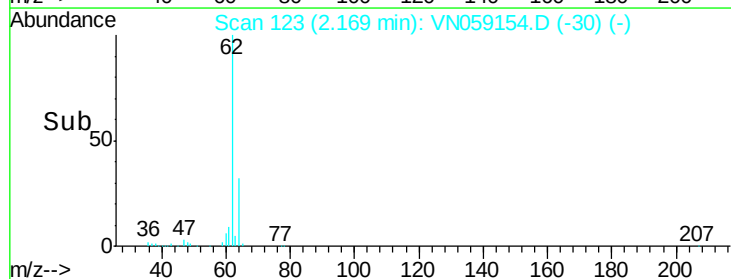
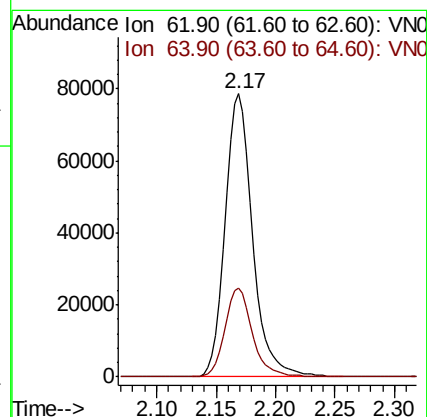
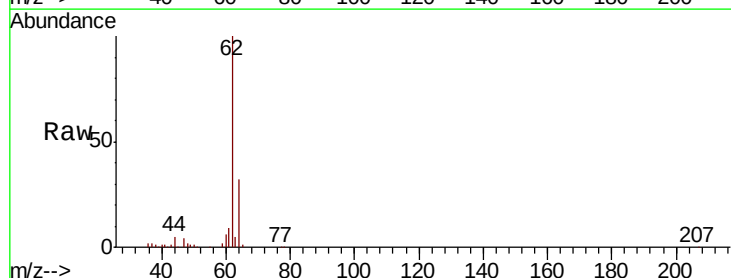
Acq: 11 Nov 2019 12:41

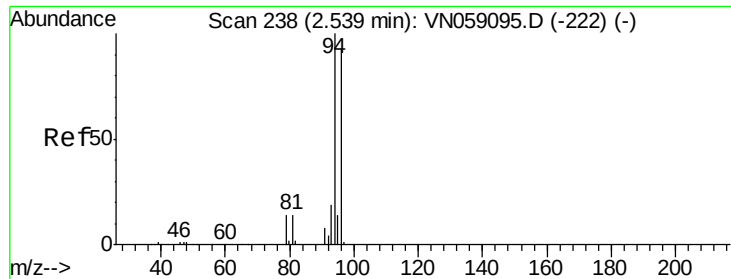
Tgt Ion: 62 Resp: 125858

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 19.701 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

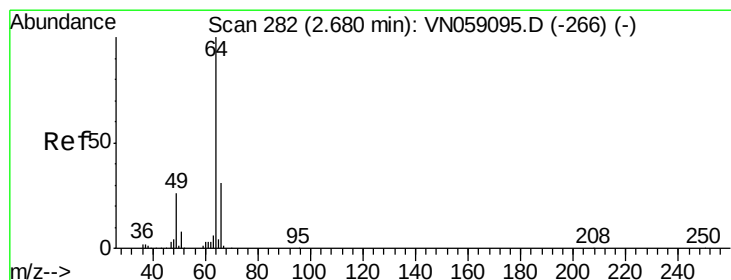
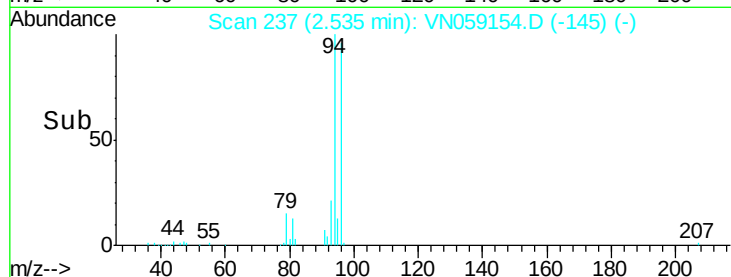
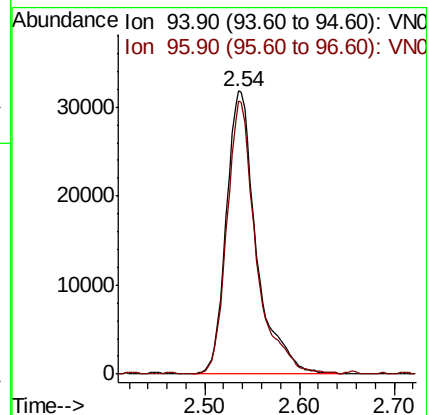
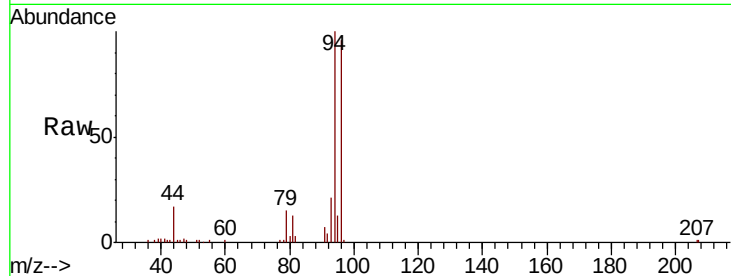
VN1111WBS01

Tot Ion: 94 Resp: 70343

Ion Ratio Lower Upper

94 100

96 96.5 74.2 111.2



#6

Chloroethane

Concen: 20.640 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059154.D

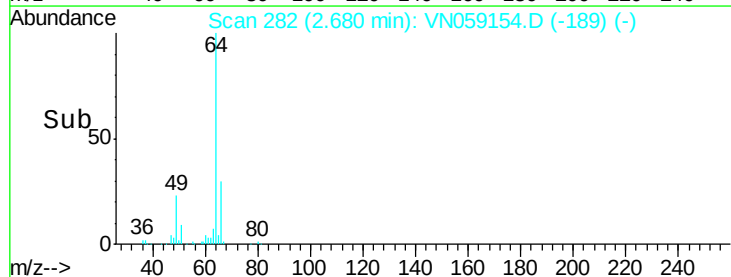
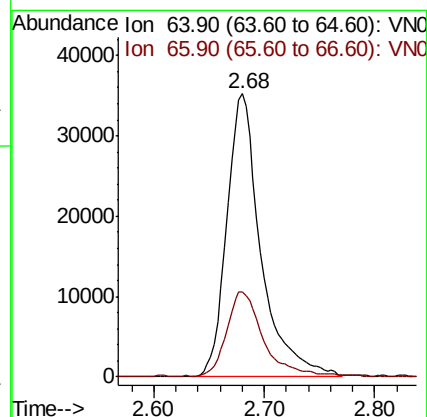
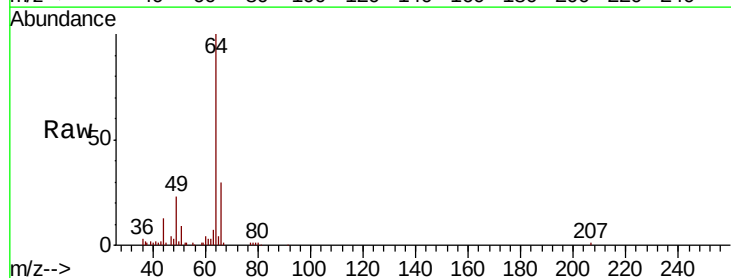
Acq: 11 Nov 2019 12:41

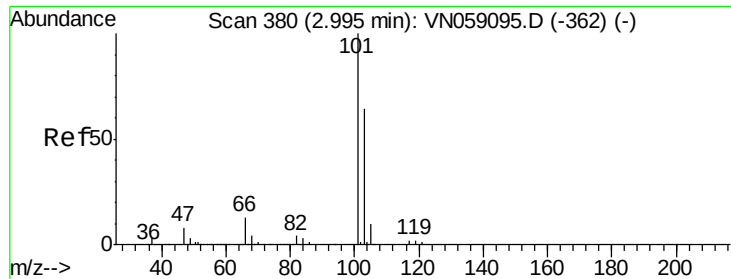
Tgt Ion: 64 Resp: 75756

Ion Ratio Lower Upper

64 100

66 30.2 25.2 37.8



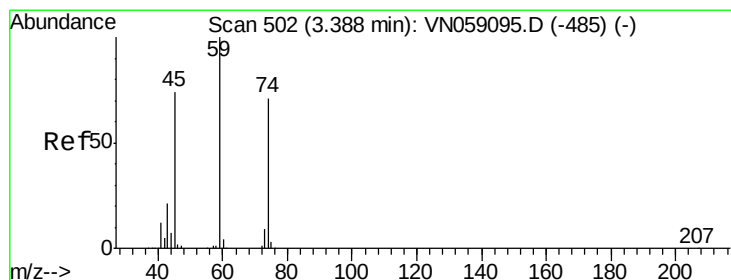
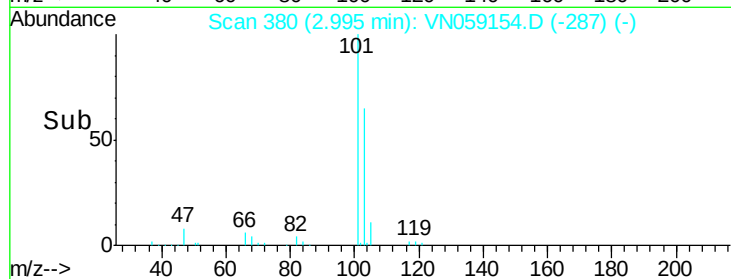
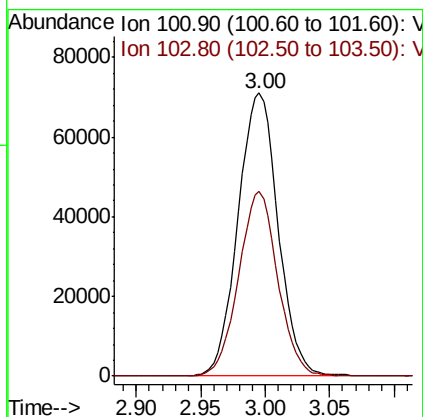
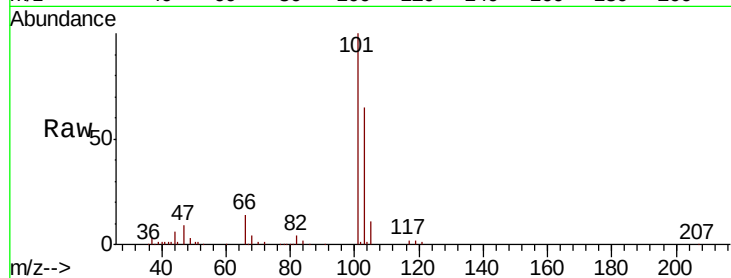


#7

Trichlorofluoromethane
 Concen: 20.714 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Instrument :
 MSVOA_N
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 VN1111WBS01

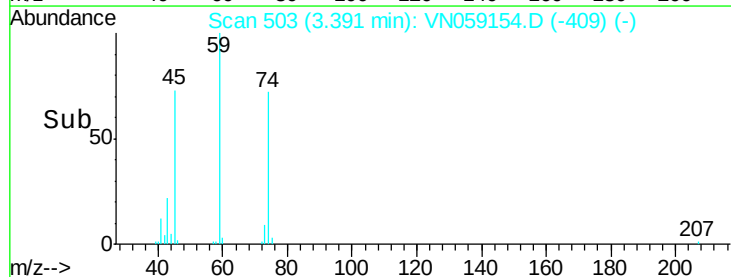
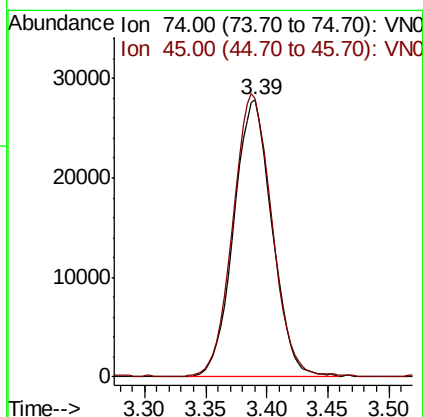
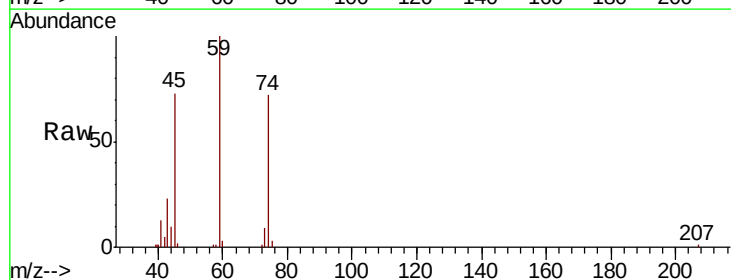
Tot Ion:101 Resp: 153731
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.2 76.8

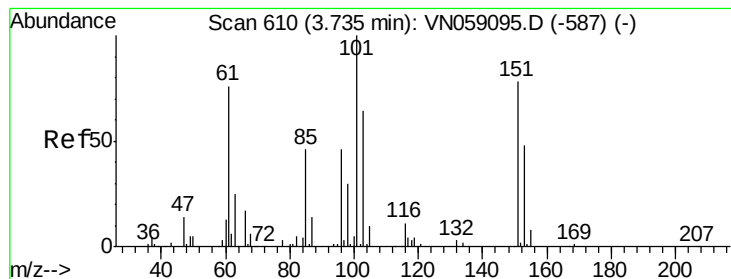


#8

Diethyl Ether
 Concen: 20.125 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Tgt Ion: 74 Resp: 60687
 Ion Ratio Lower Upper
 74 100
 45 103.7 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.982 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

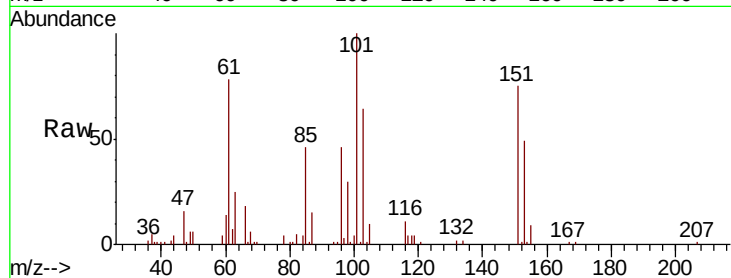
Tot Ion:101 Resp: 89416

Ion Ratio Lower Upper

101 100

85 45.9 35.5 53.3

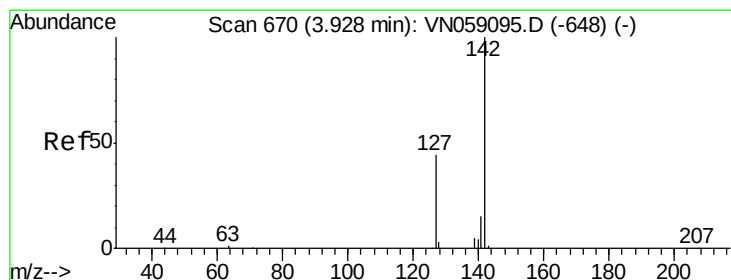
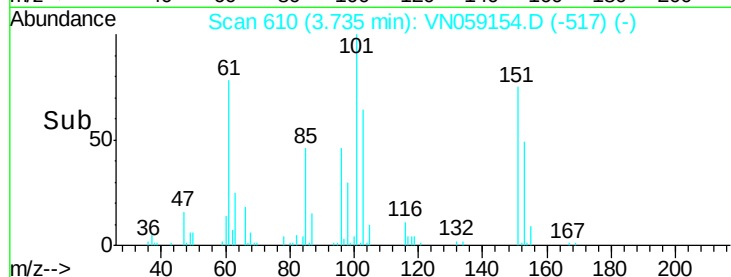
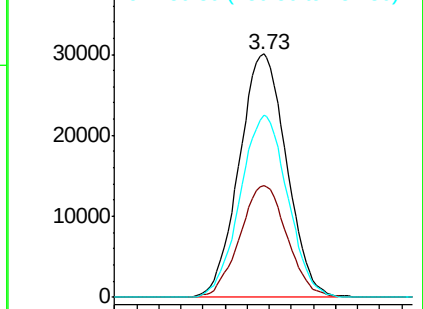
151 74.9 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.780 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

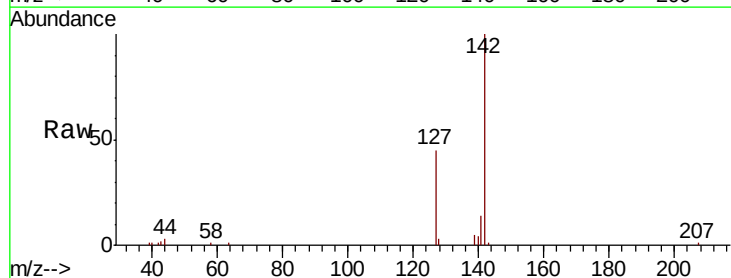
Tgt Ion:142 Resp: 104017

Ion Ratio Lower Upper

142 100

127 44.7 34.2 51.2

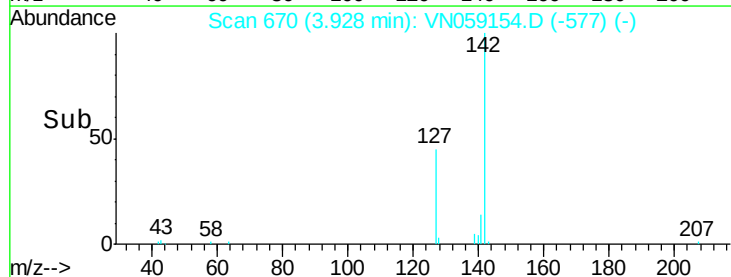
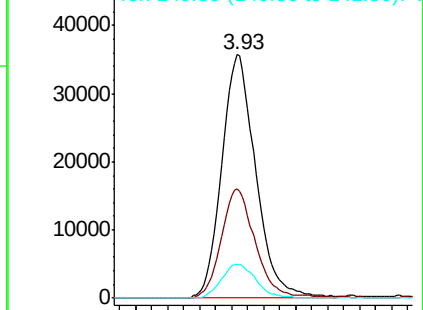
141 14.1 11.4 17.0

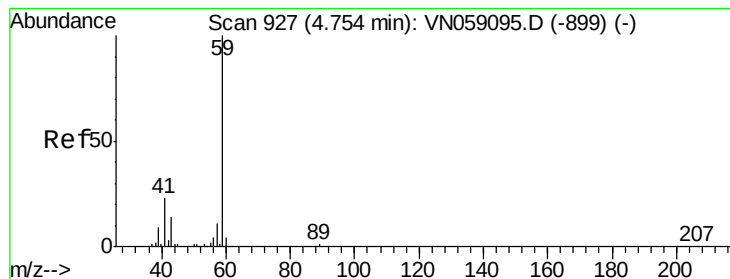


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



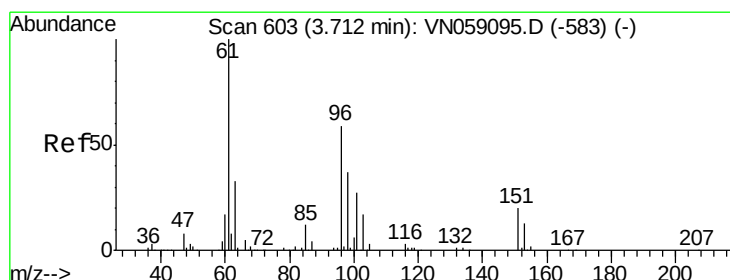
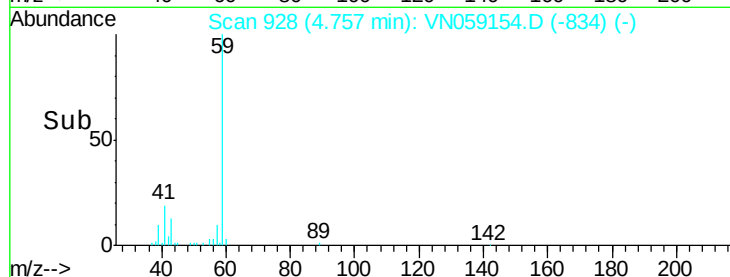
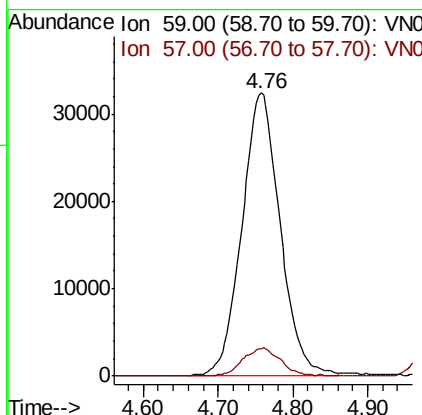
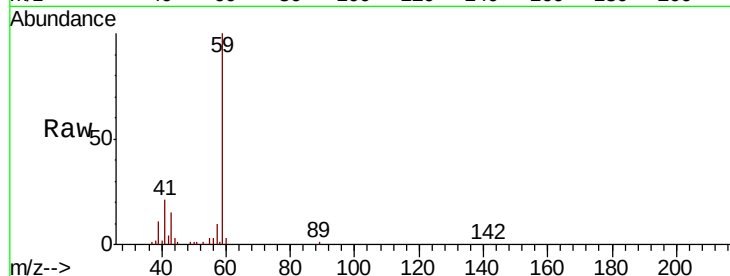


#11

Tert butyl alcohol
 Concen: 105.379 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

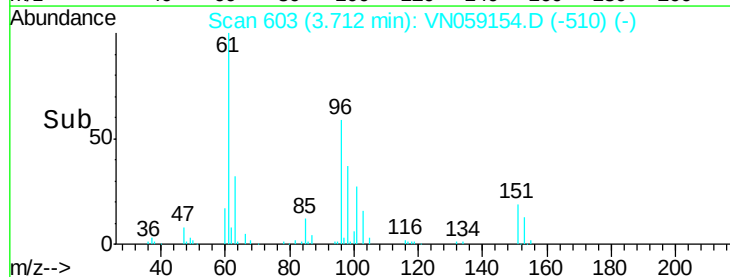
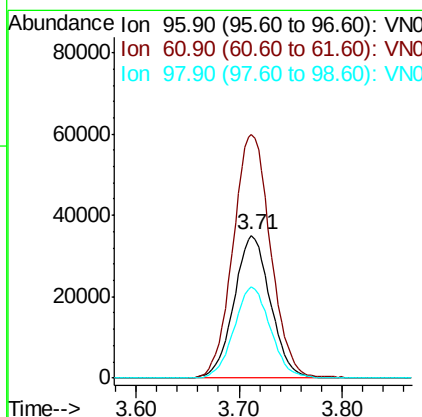
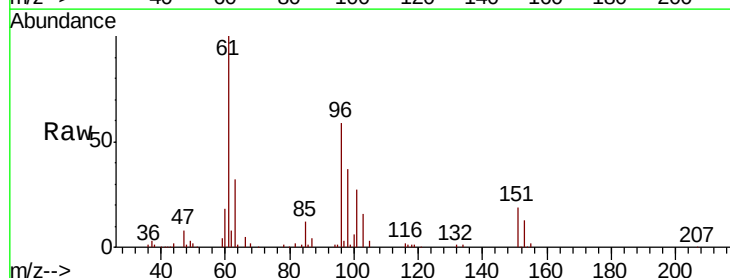
Tot Ion: 59 Resp: 115358
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.3 12.5

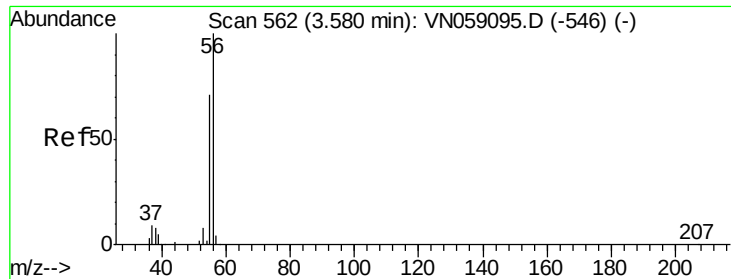


#12

1,1-Dichloroethene
 Concen: 19.738 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Tgt Ion: 96 Resp: 86038
 Ion Ratio Lower Upper
 96 100
 61 170.4 136.5 204.7
 98 63.7 50.2 75.4





#13

Acrolein

Concen: 77.764 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

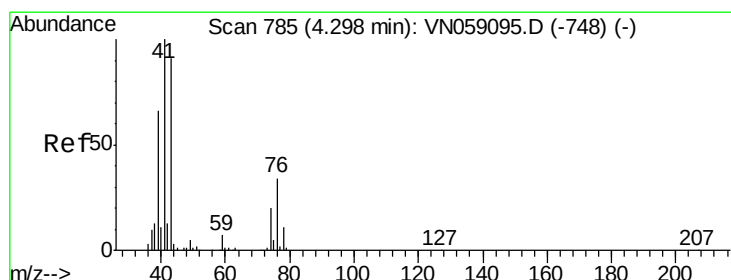
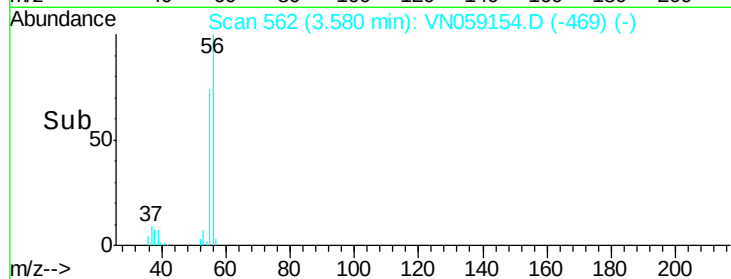
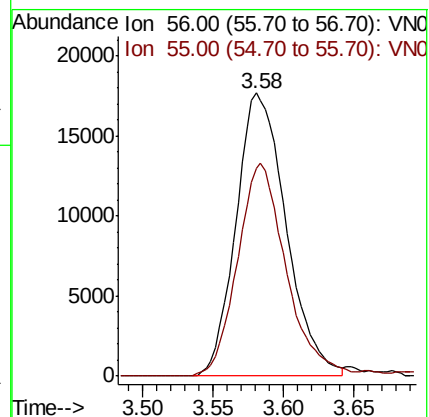
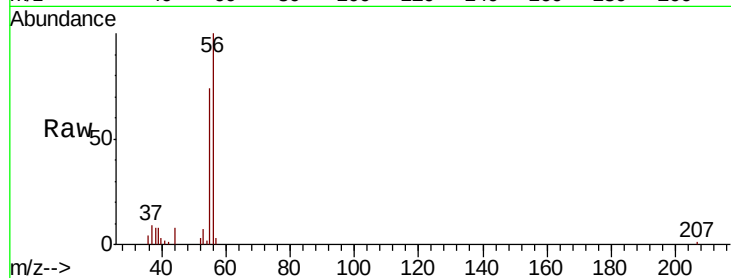
VN1111WBS01

Tot Ion: 56 Resp: 43890

Ion Ratio Lower Upper

56 100

55 73.0 56.4 84.6



#14

Allyl chloride

Concen: 19.335 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

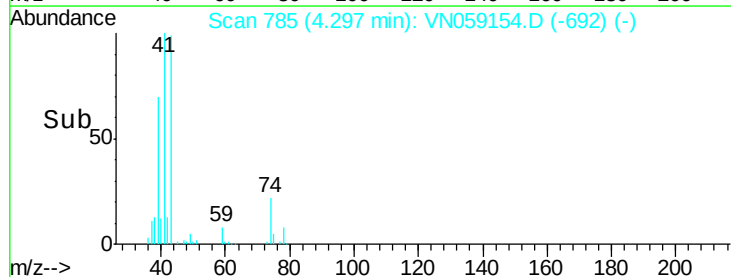
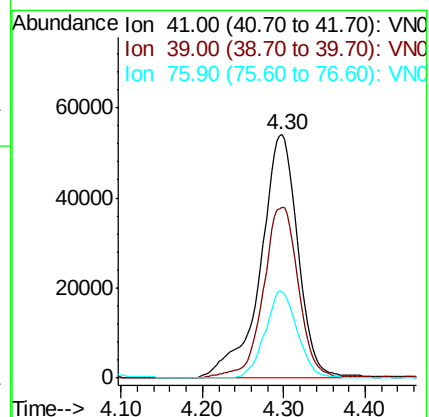
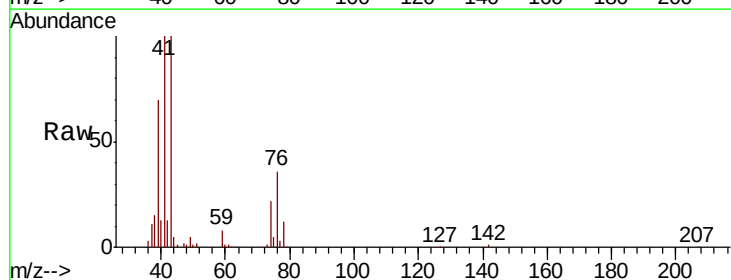
Tgt Ion: 41 Resp: 173120

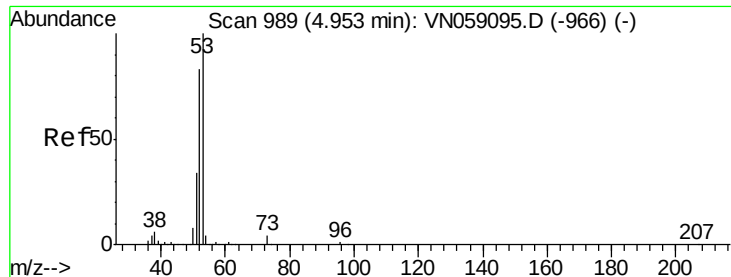
Ion Ratio Lower Upper

41 100

39 66.1 49.1 73.7

76 31.0 24.9 37.3





#15

Acrylonitrile

Concen: 104.926 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampled :

VN1111WBS01

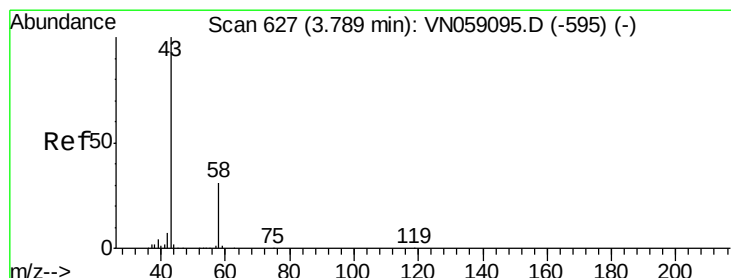
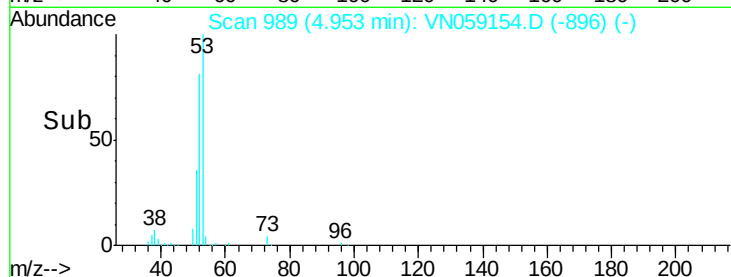
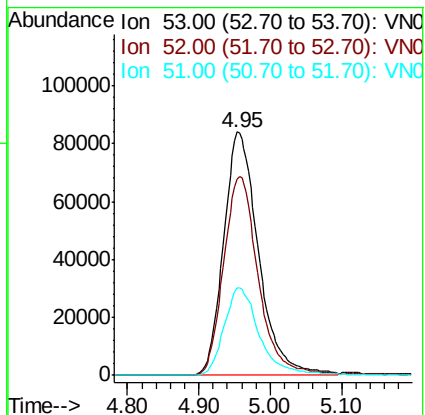
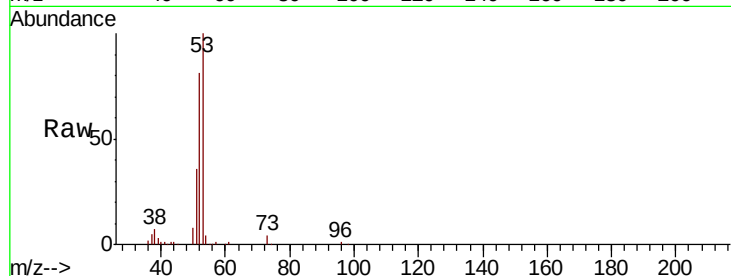
Tot Ion: 53 Resp: 285850

Ion Ratio Lower Upper

53 100

52 79.7 65.0 97.6

51 36.4 28.0 42.0



#16

Acetone

Concen: 98.323 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059154.D

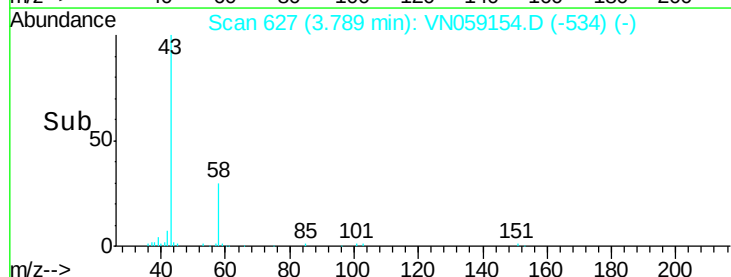
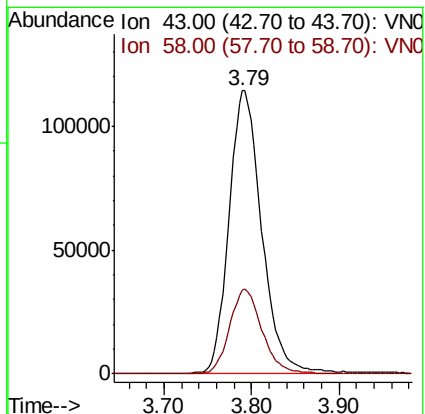
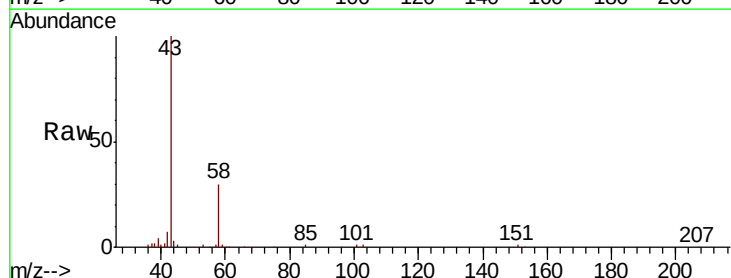
Acq: 11 Nov 2019 12:41

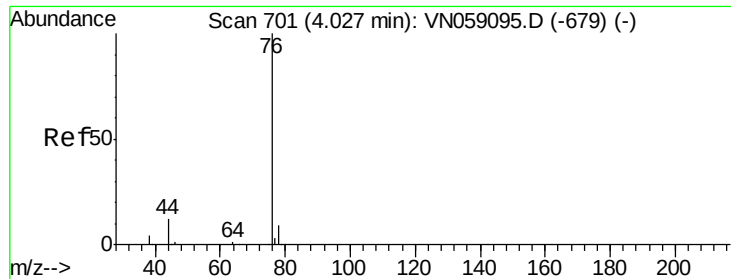
Tgt Ion: 43 Resp: 293694

Ion Ratio Lower Upper

43 100

58 29.7 24.9 37.3

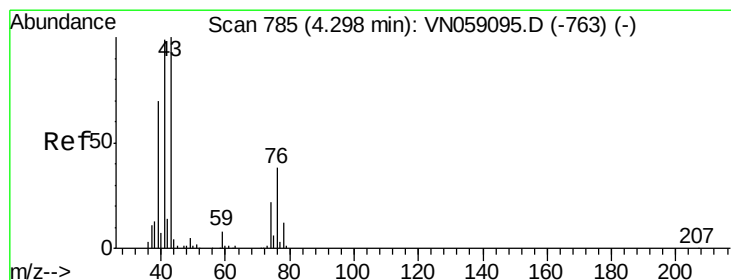
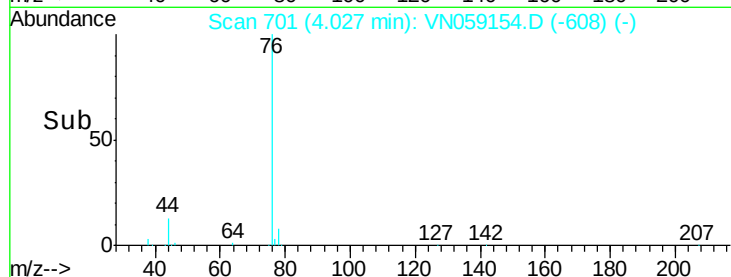
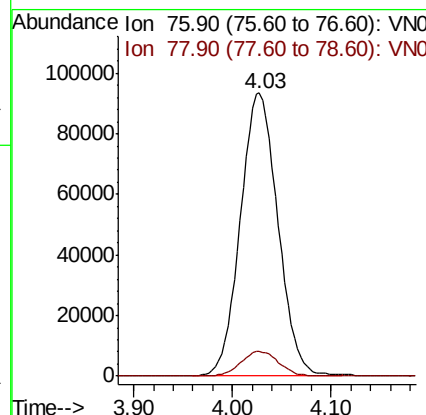
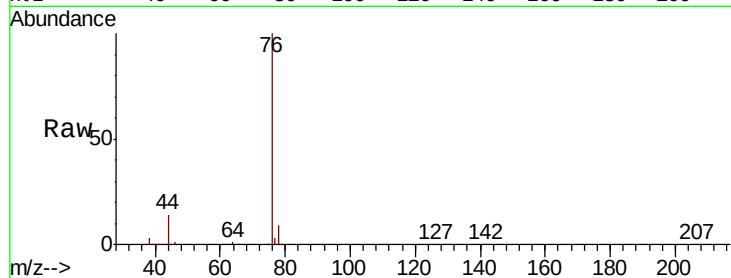




#17
Carbon Disulfide
Concen: 18.208 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

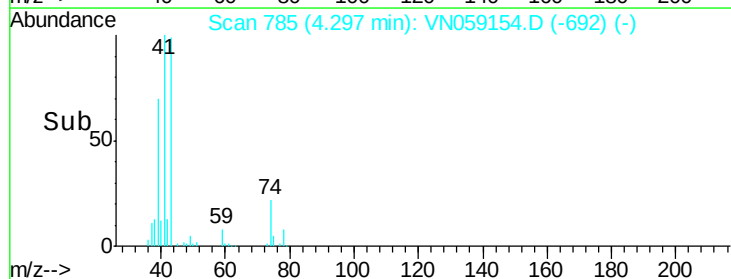
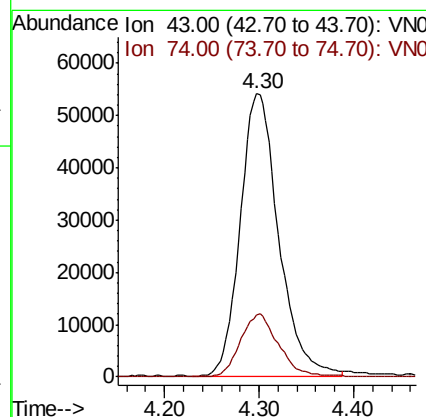
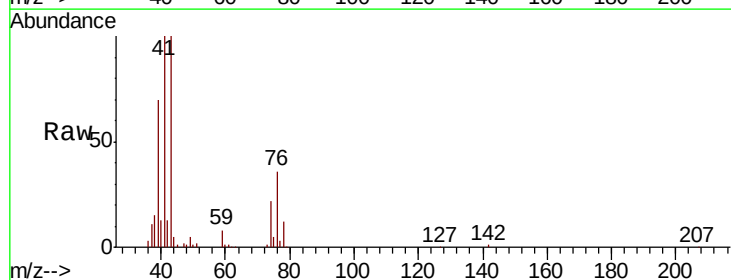
Instrument :
MSVOA_N
ClientSampled :
VN1111WBS01

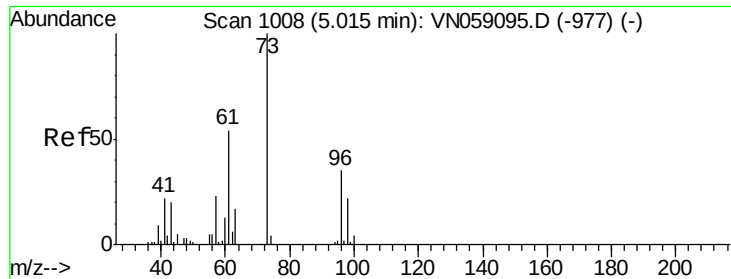
Tot Ion: 76 Resp: 246372
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 21.660 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion: 43 Resp: 153569
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.8

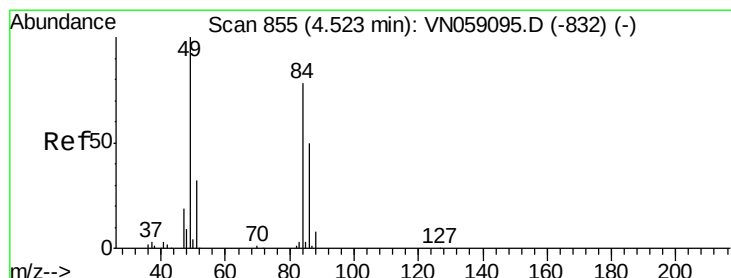
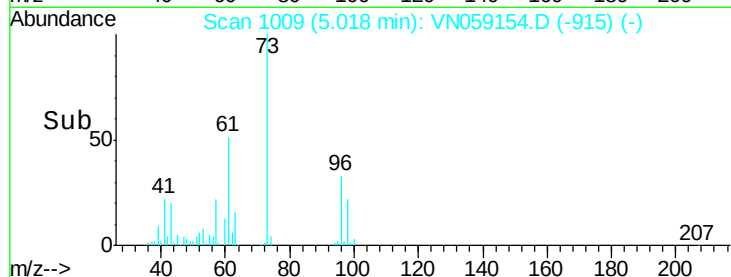
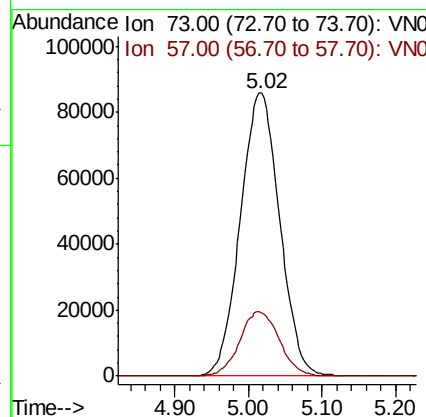
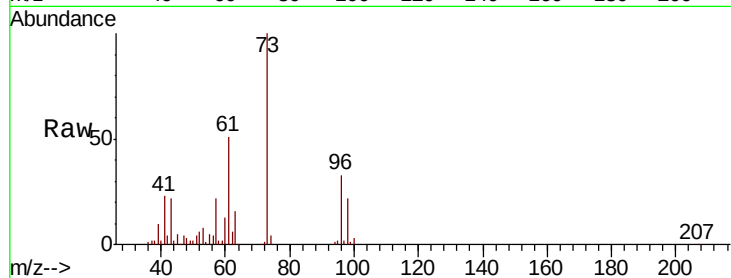




#19
Methyl tert-butyl Ether
Concen: 21.264 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

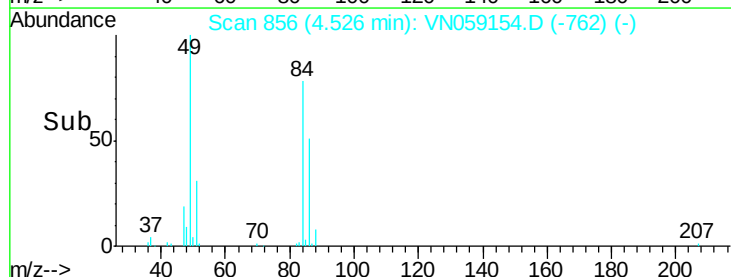
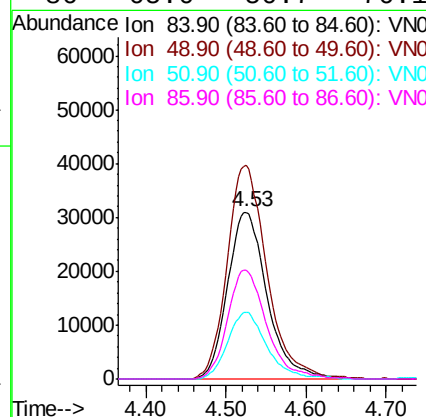
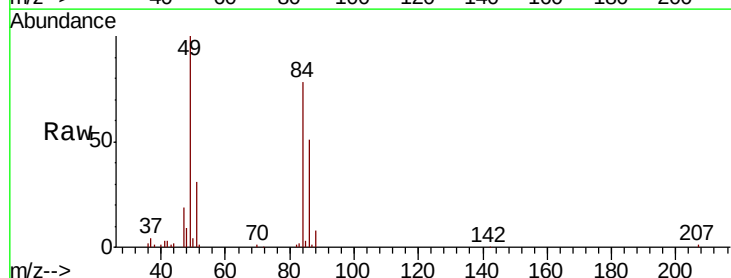
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

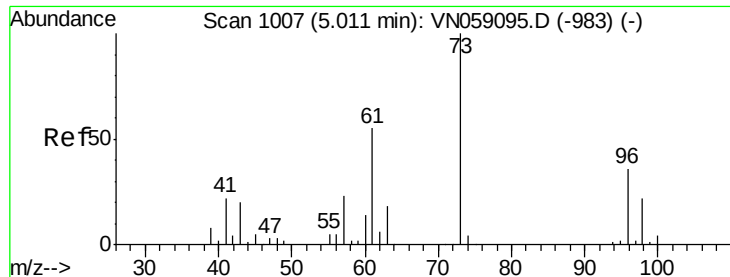
Tot Ion: 73 Resp: 319122
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6



#20
Methylene Chloride
Concen: 20.061 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion: 84 Resp: 104397
Ion Ratio Lower Upper
84 100
49 127.9 102.0 153.0
51 40.2 32.2 48.2
86 65.0 50.7 76.1

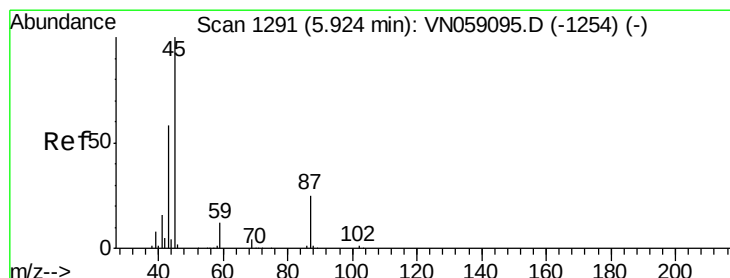
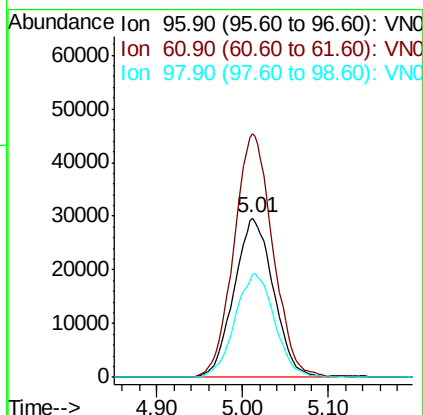
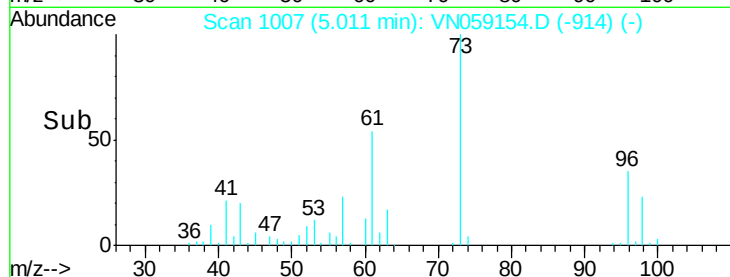
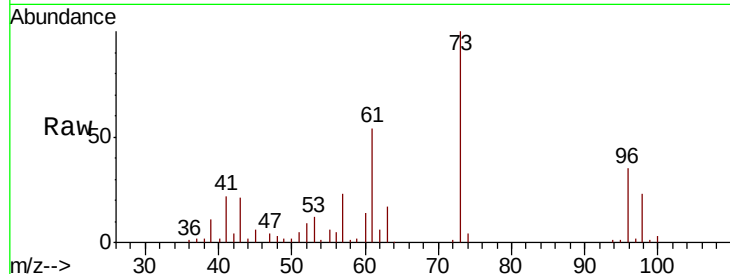




#21
trans-1,2-Dichloroethene
Concen: 20.165 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

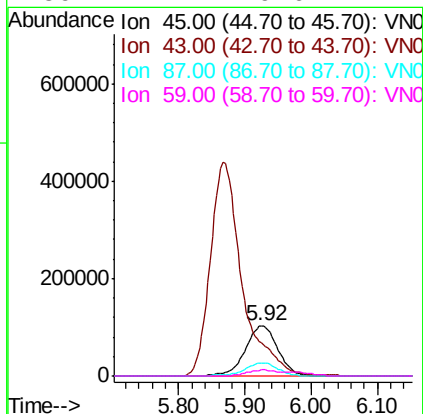
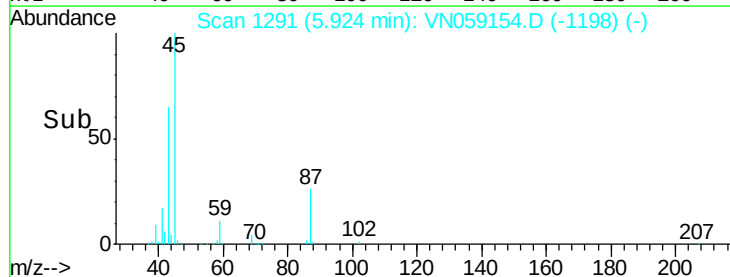
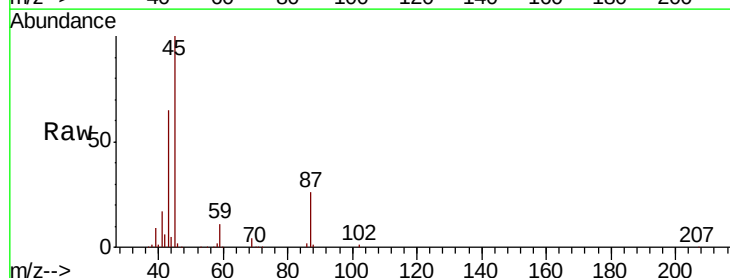
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

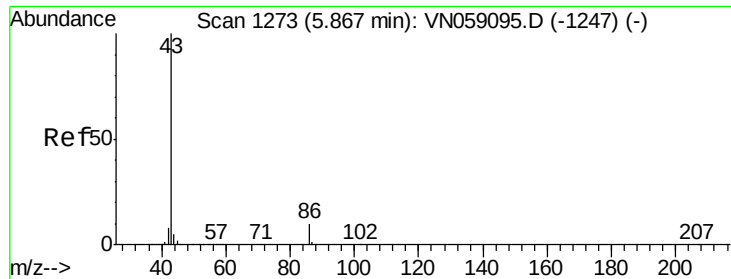
Tot Ion: 96 Resp: 94351
Ion Ratio Lower Upper
96 100
61 153.0 122.6 183.8
98 64.4 50.3 75.5



#22
Diisopropyl ether
Concen: 20.785 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion: 45 Resp: 351525
Ion Ratio Lower Upper
45 100
43 64.0 46.7 70.1
87 25.9 20.5 30.7
59 11.2 9.6 14.4

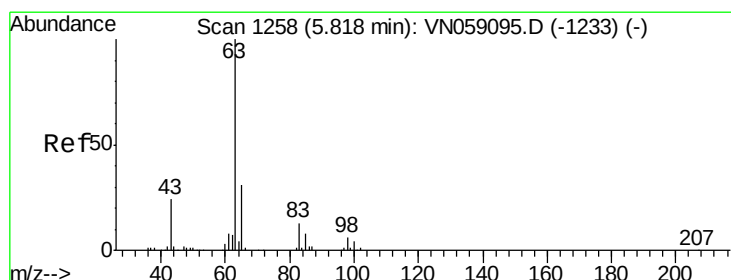
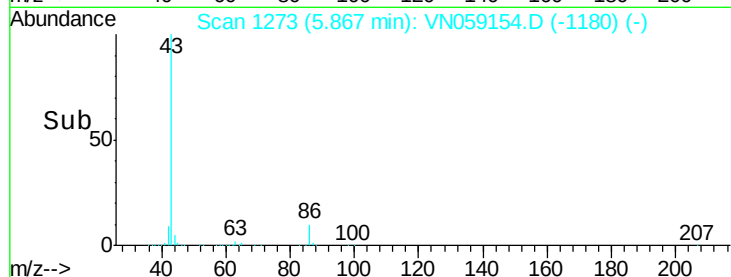
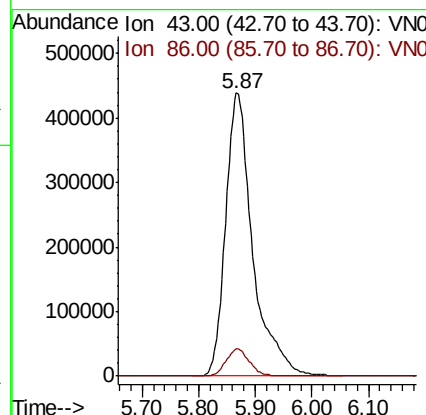
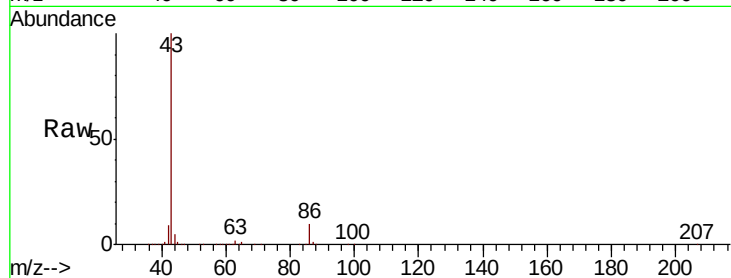




#23
 Vinyl Acetate
 Concen: 111.827 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

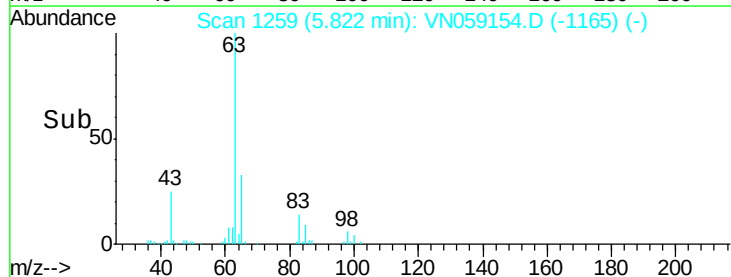
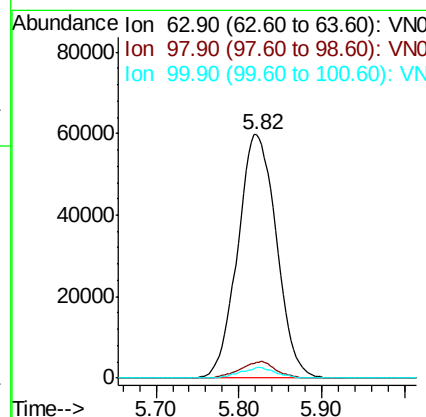
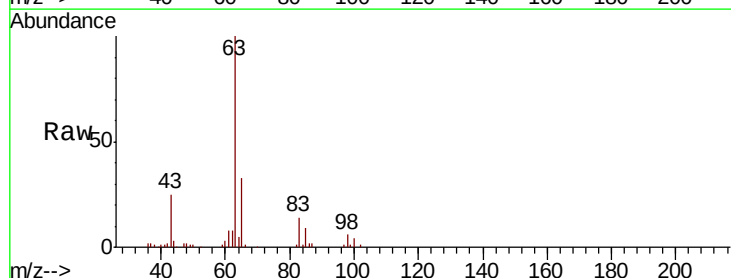
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

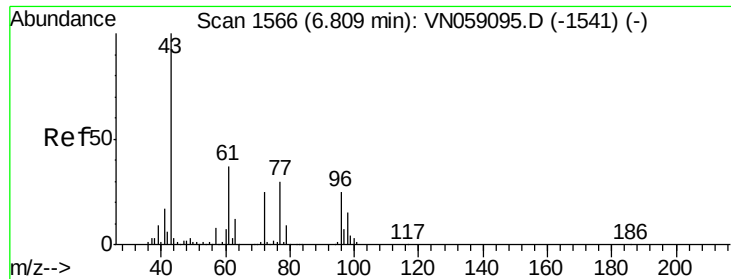
Tot Ion: 43 Resp: 1465777
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 20.526 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Tgt Ion: 63 Resp: 193888
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.8 8.4
 100 4.2 1.9 5.7





#25

2-Butanone

Concen: 104.303 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

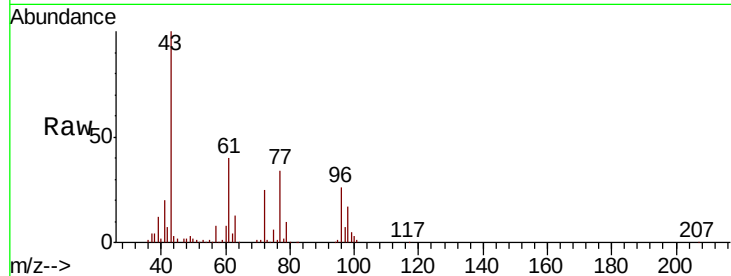
VN1111WBS01

Tot Ion: 43 Resp: 410610

Ion Ratio Lower Upper

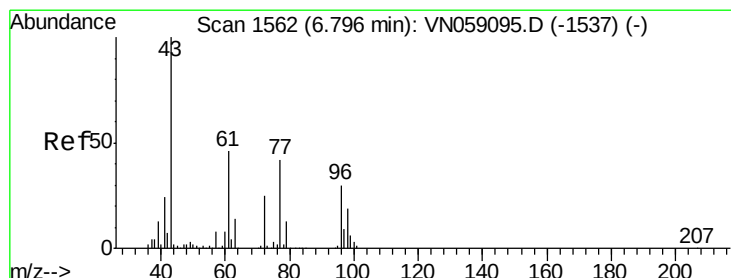
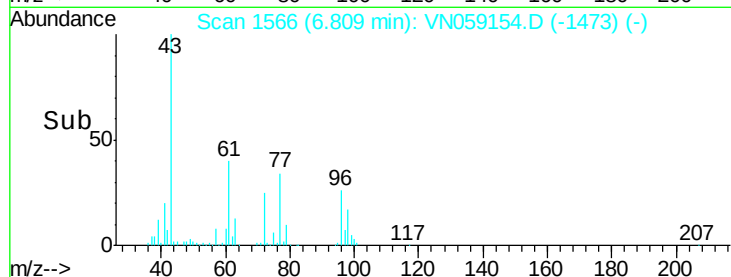
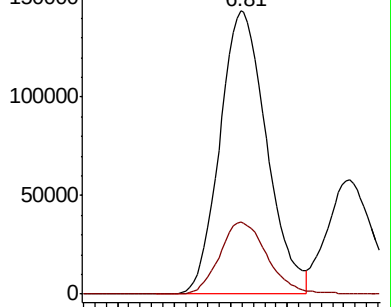
43 100

72 25.3 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.955 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059154.D

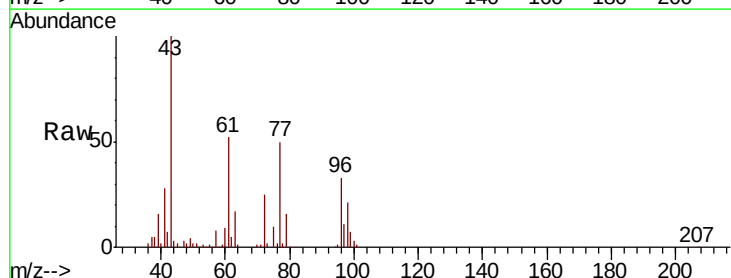
Acq: 11 Nov 2019 12:41

Tgt Ion: 77 Resp: 173082

Ion Ratio Lower Upper

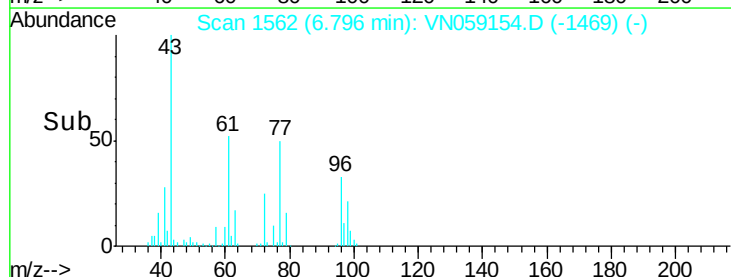
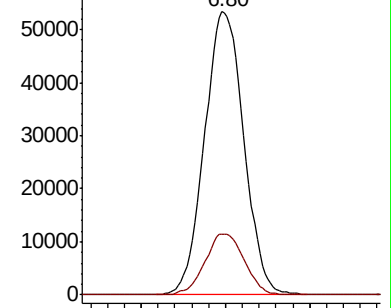
77 100

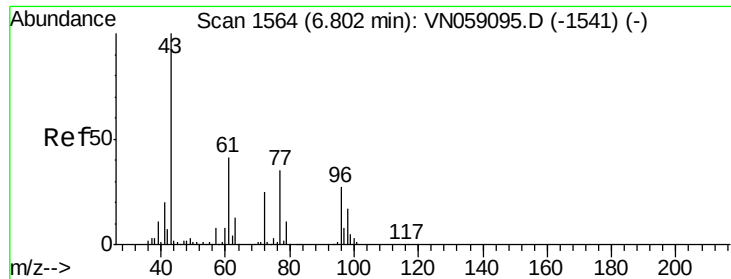
97 21.6 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

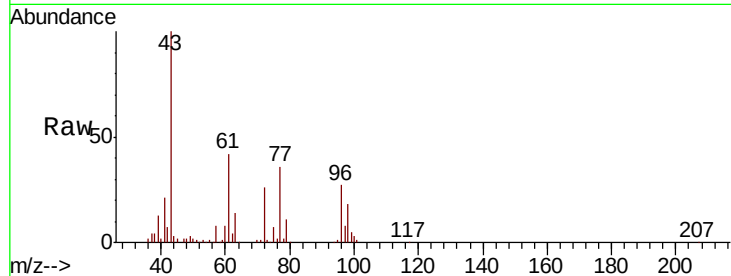




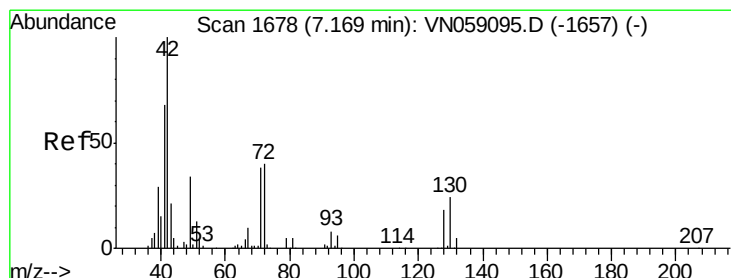
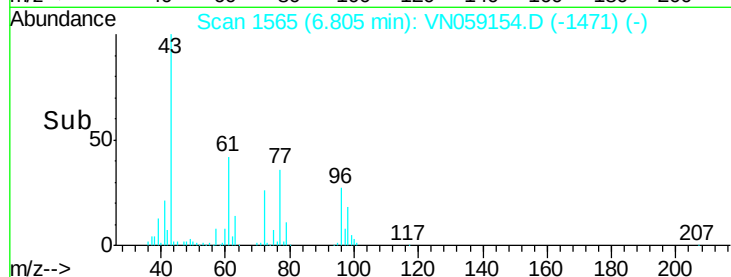
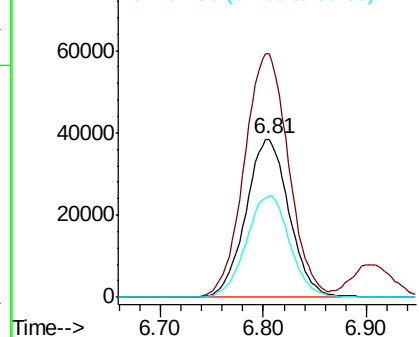
#27
 cis-1,2-Dichloroethene
 Concen: 20.587 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Tot Ion: 96 Resp: 111750
 Ion Ratio Lower Upper
 96 100
 61 157.7 0.0 311.6
 98 64.7 0.0 129.8

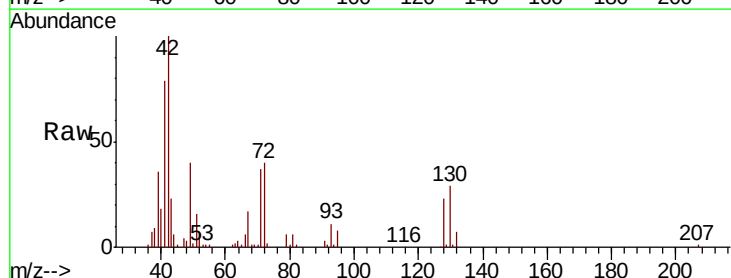


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

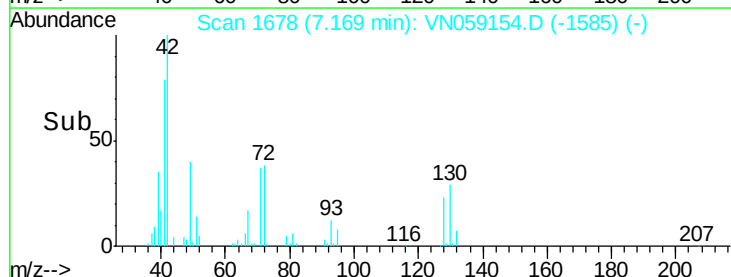
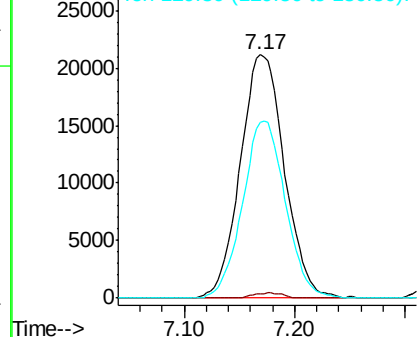


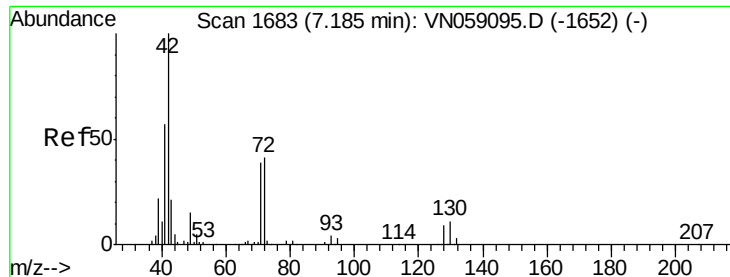
#28
 Bromochloromethane
 Concen: 20.622 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Tgt Ion: 49 Resp: 58607
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 3.8
 130 70.7 55.6 83.4



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





#29

Tetrahydrofuran

Concen: 105.824 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

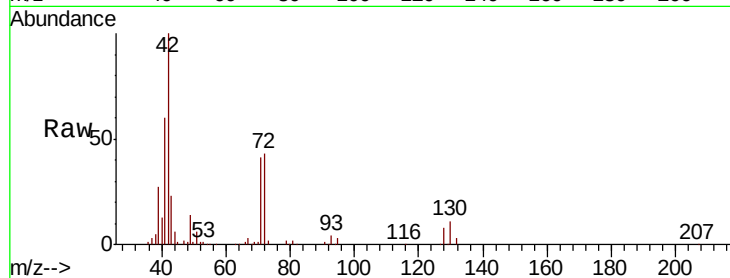
Tot Ion: 42 Resp: 264706

Ion Ratio Lower Upper

42 100

72 41.2 33.1 49.7

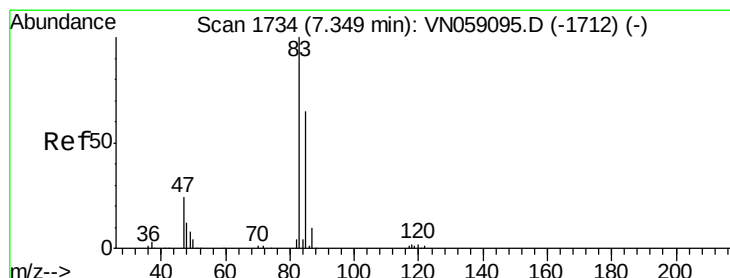
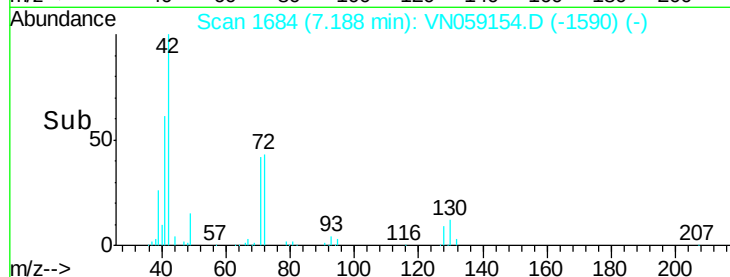
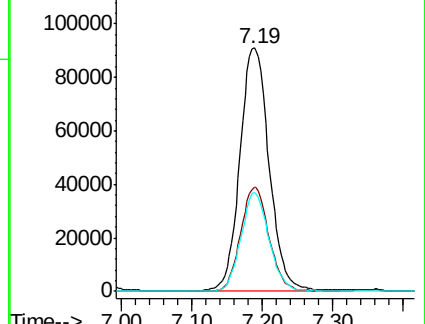
71 38.7 30.9 46.3



Abundance Ion 42.00 (41.70 to 42.70): VN059154.D (-1590) (-)

Ion 72.00 (71.70 to 72.70): VN059154.D (-1590) (-)

Ion 71.00 (70.70 to 71.70): VN059154.D (-1590) (-)



#30

Chloroform

Concen: 21.112 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN059154.D

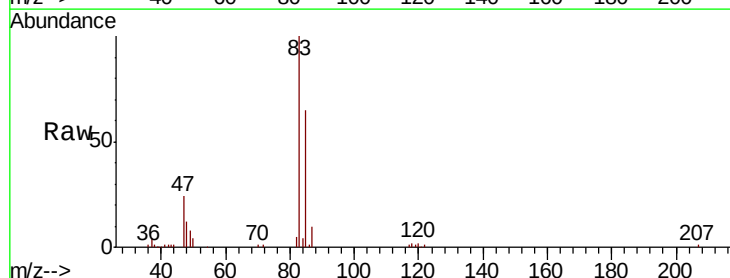
Acq: 11 Nov 2019 12:41

Tgt Ion: 83 Resp: 191308

Ion Ratio Lower Upper

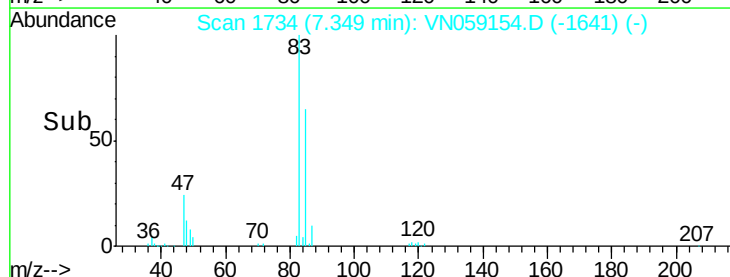
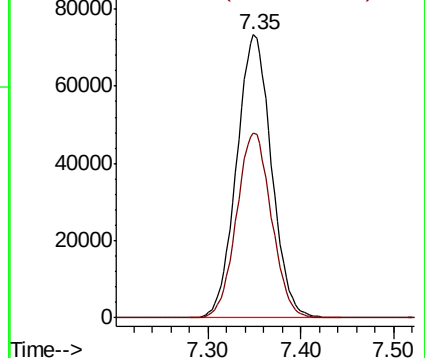
83 100

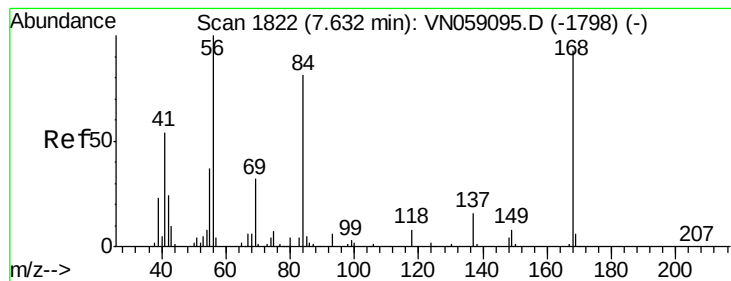
85 65.3 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN059154.D (-1641) (-)

Ion 84.90 (84.60 to 85.60): VN059154.D (-1641) (-)





#31

Cyclohexane

Concen: 19.404 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

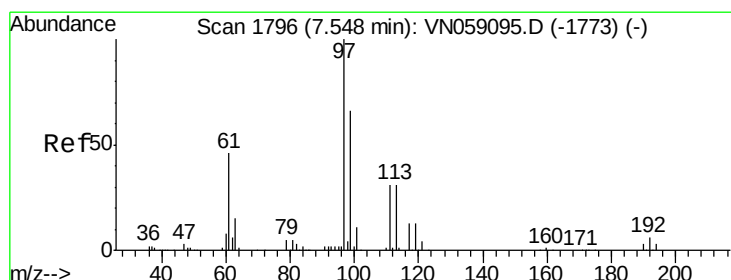
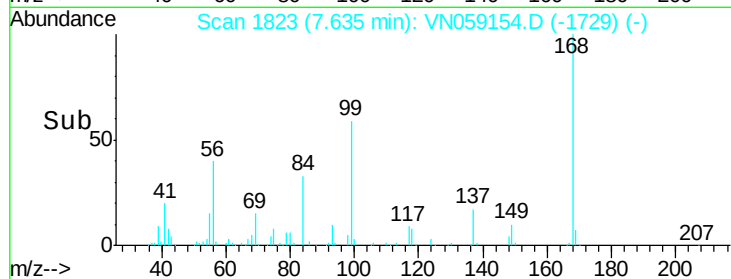
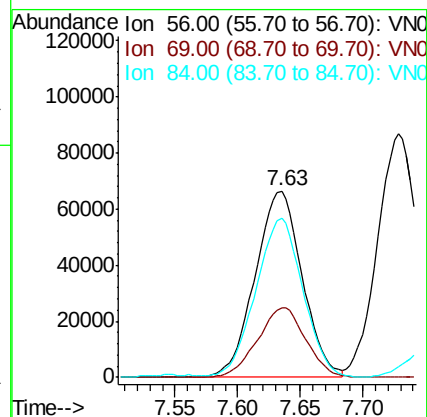
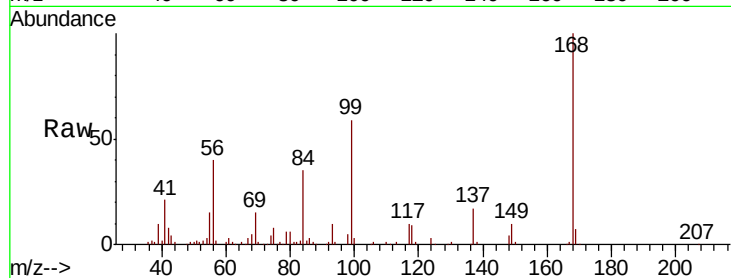
Tot Ion: 56 Resp: 173516

Ion Ratio Lower Upper

56 100

69 37.0 25.8 38.8

84 84.6 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 21.583 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

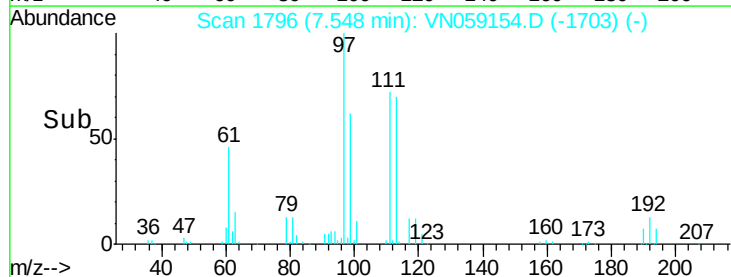
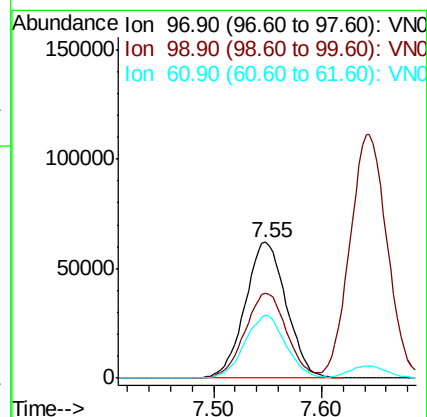
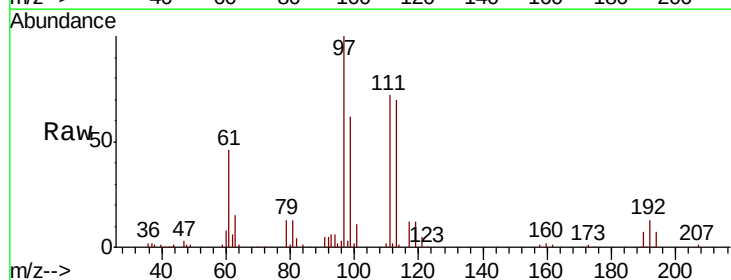
Tgt Ion: 97 Resp: 164425

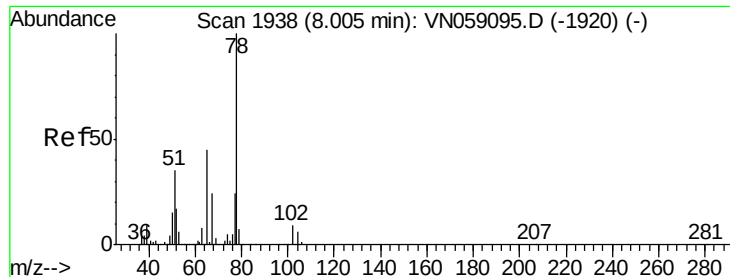
Ion Ratio Lower Upper

97 100

99 63.2 51.0 76.6

61 46.0 35.8 53.8

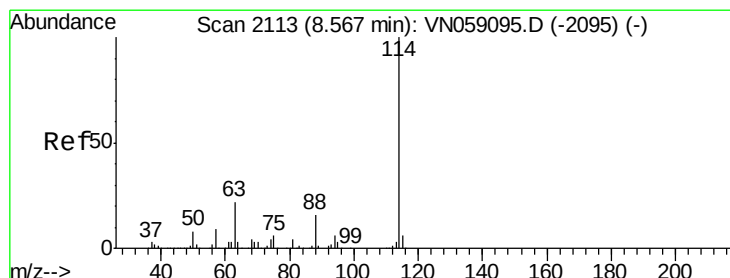
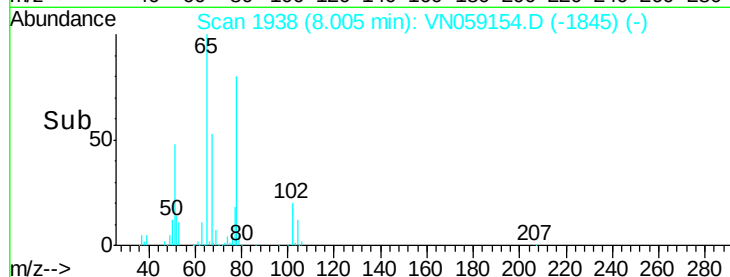
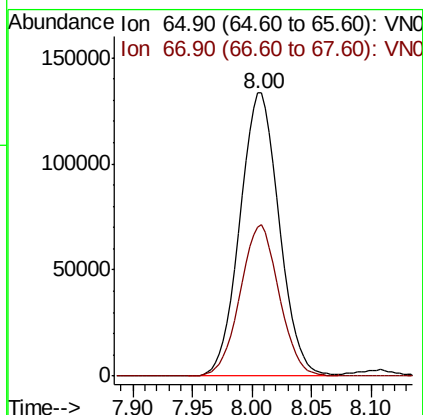
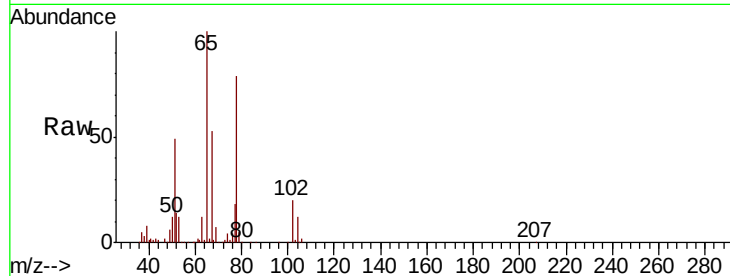




#33
 1,2-Dichloroethane-d4
 Concen: 53.202 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

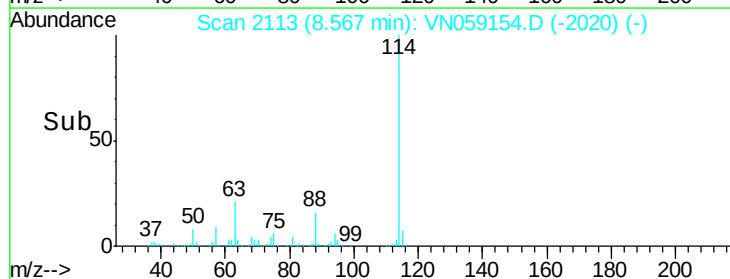
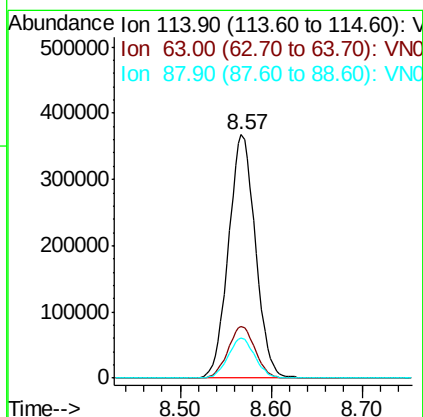
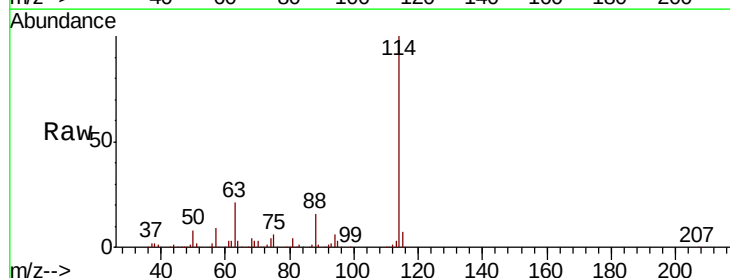
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

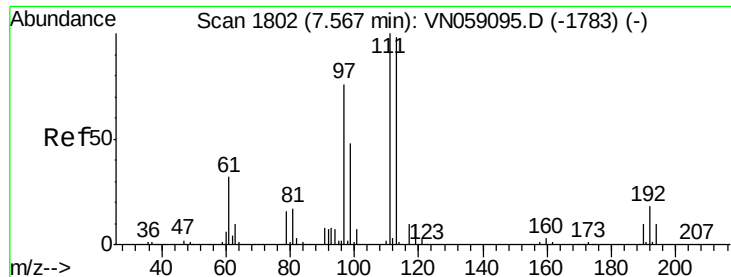
Tot Ion: 65 Resp: 305594
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Tgt Ion: 114 Resp: 754038
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.4
 88 16.5 0.0 32.2

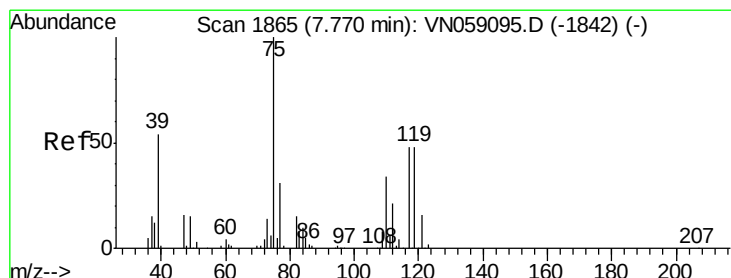
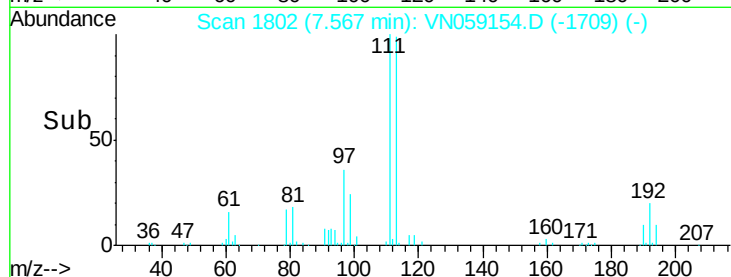
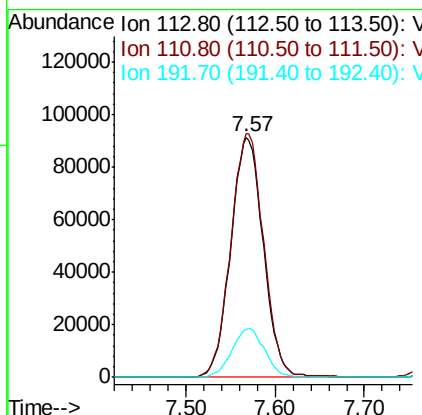
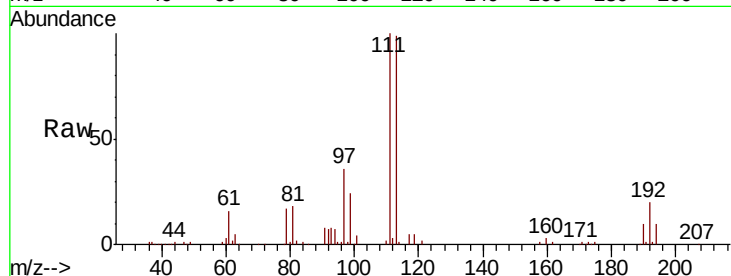




#35
 Dibromofluoromethane
 Concen: 51.446 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

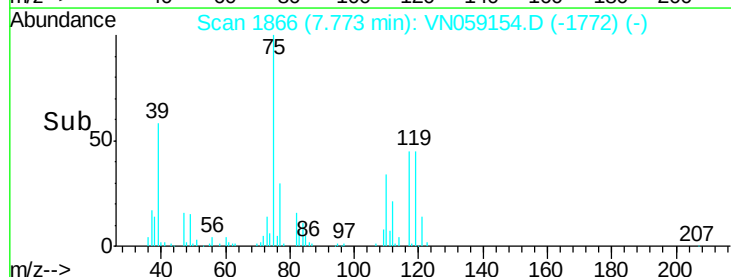
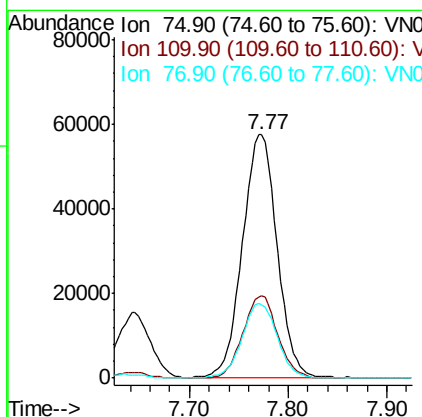
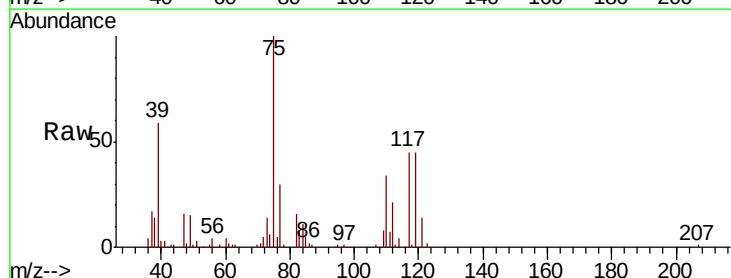
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

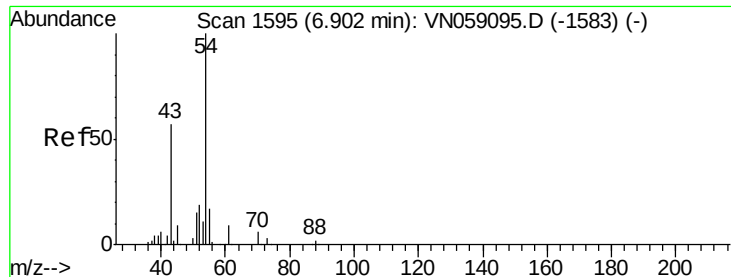
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.8	124.2
192	20.2	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 19.732 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.1	51.2
77	31.4	24.8	37.2

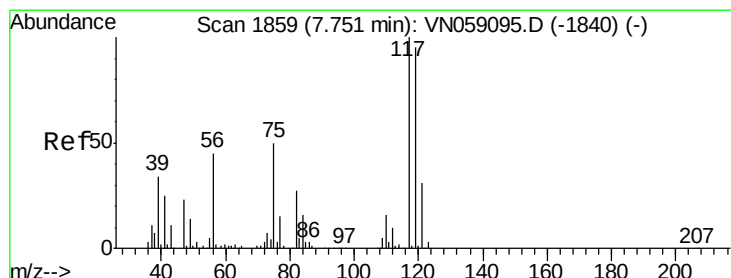
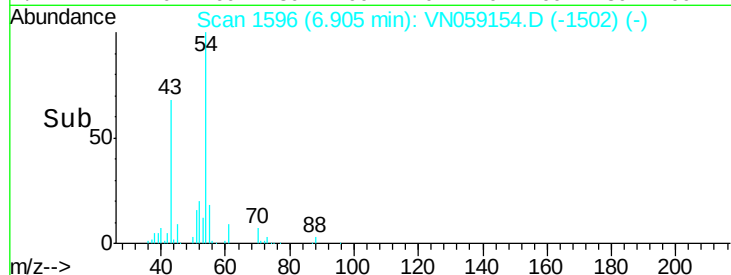
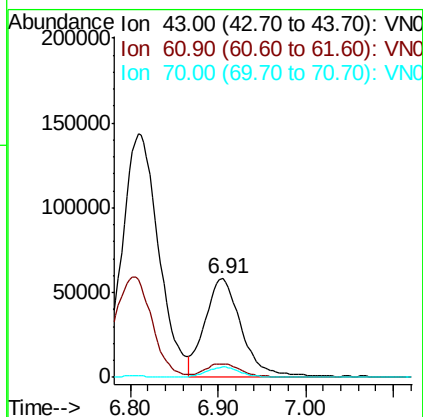
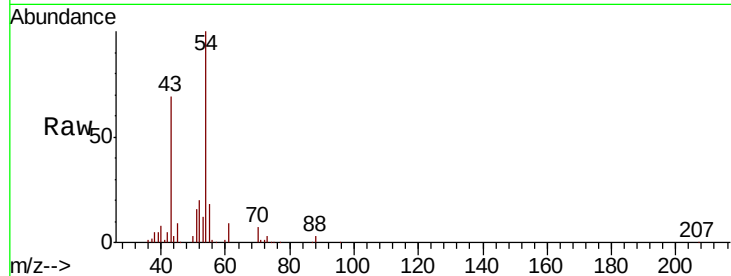




#37
Ethyl Acetate
Concen: 21.273 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

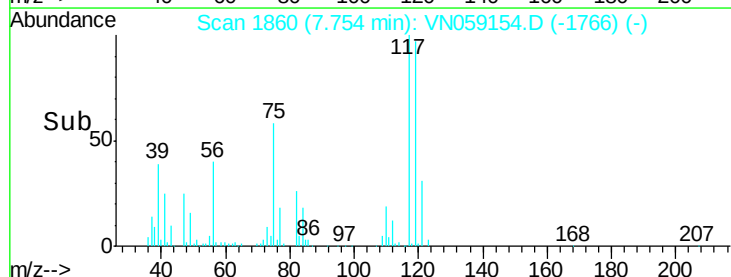
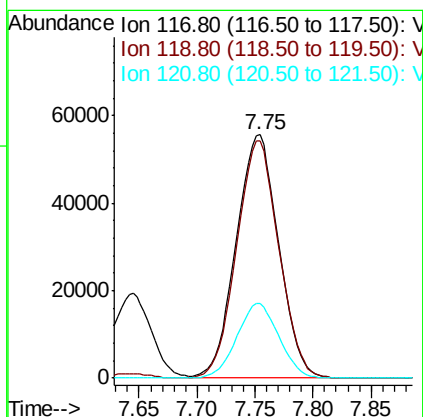
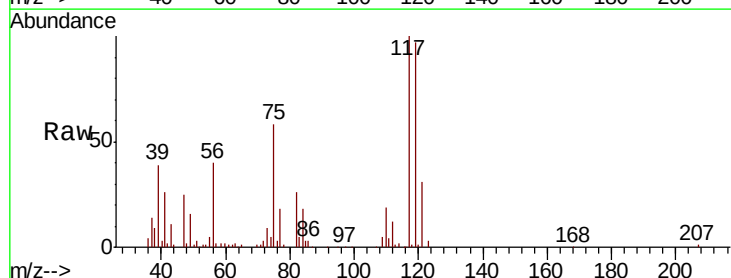
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

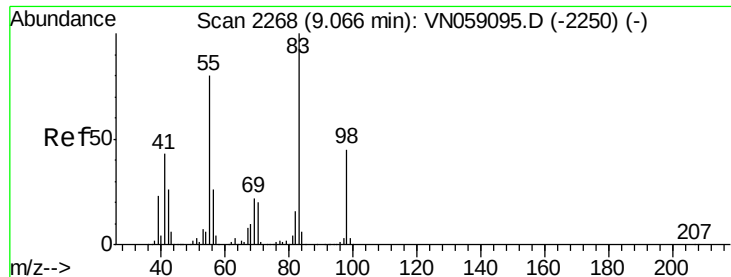
Tot Ion: 43 Resp: 166793
Ion Ratio Lower Upper
43 100
61 14.0 11.2 16.8
70 9.8 7.8 11.8



#38
Carbon Tetrachloride
Concen: 20.243 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion: 117 Resp: 142003
Ion Ratio Lower Upper
117 100
119 97.4 75.6 113.4
121 30.7 24.6 36.8

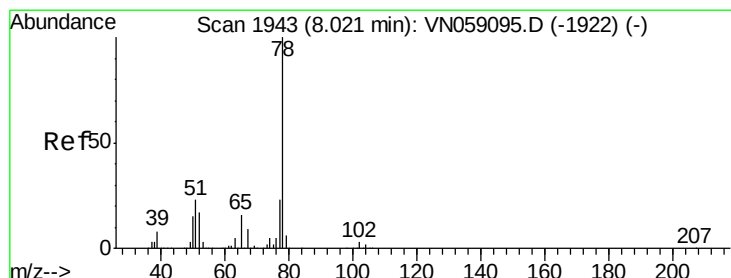
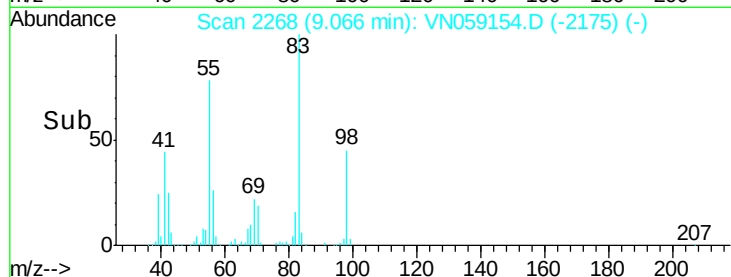
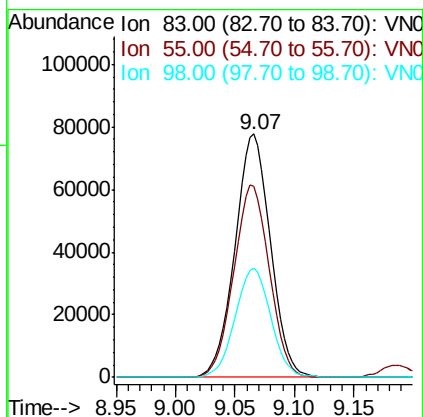
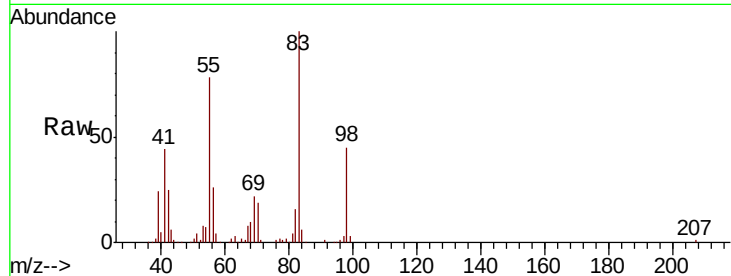




#39
Methylvlcyclohexane
Concen: 19.656 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

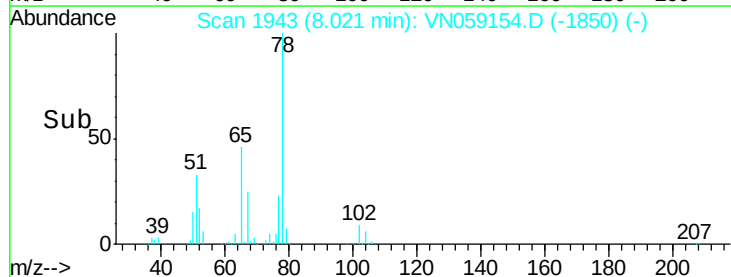
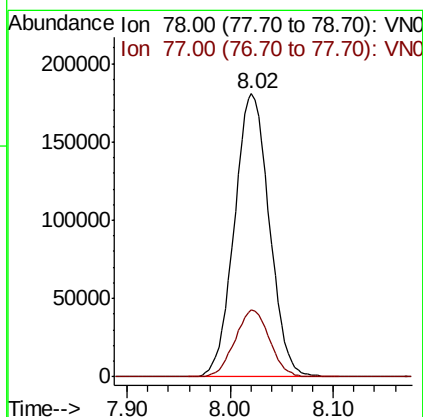
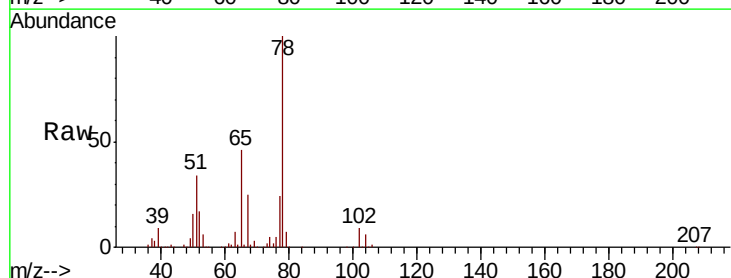
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

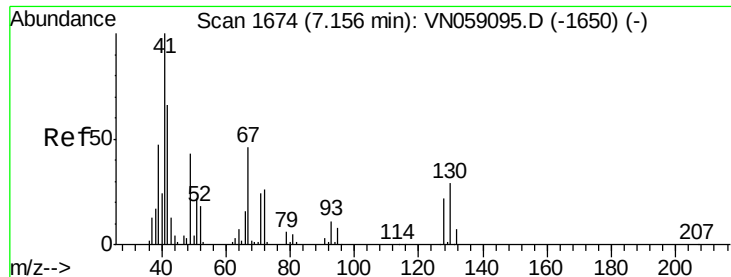
Tot Ion: 83 Resp: 160783
Ion Ratio Lower Upper
83 100
55 78.4 63.9 95.9
98 44.9 35.6 53.4



#40
Benzene
Concen: 20.080 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion: 78 Resp: 426175
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2





#41

Methacrylonitrile

Concen: 68.666 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.03 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 41 Resp: 234117

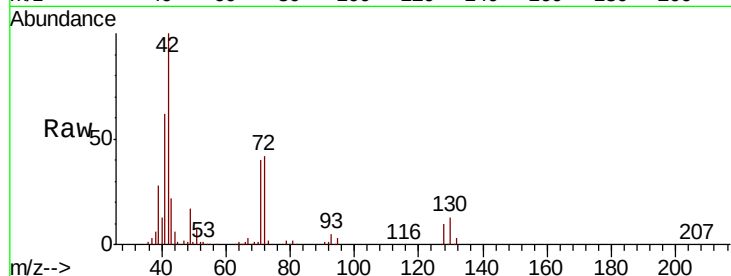
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

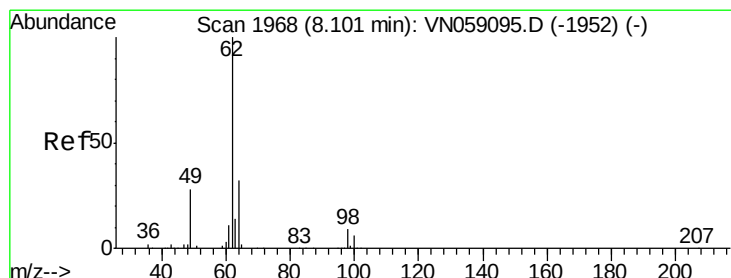
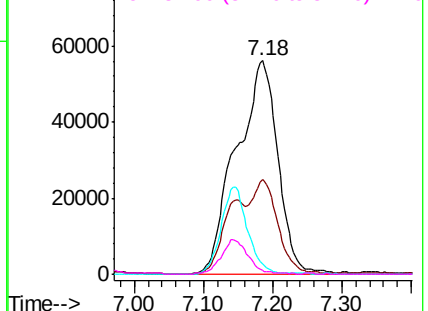
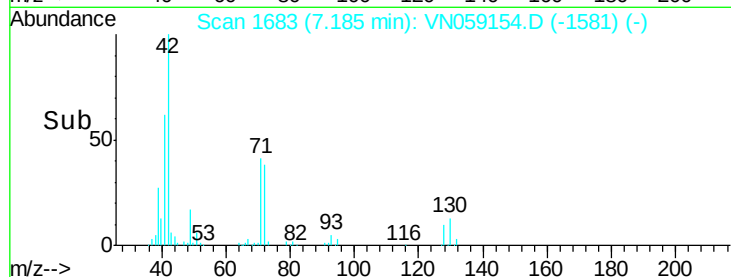


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 21.341 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059154.D

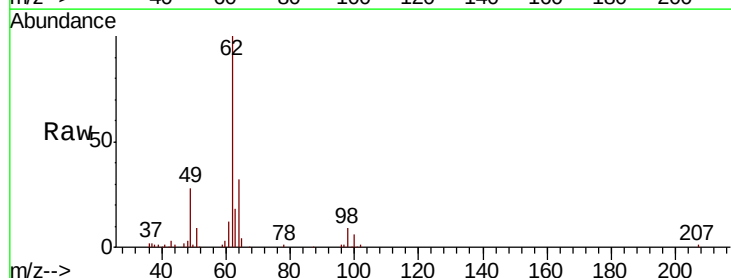
Acq: 11 Nov 2019 12:41

Tgt Ion: 62 Resp: 155348

Ion Ratio Lower Upper

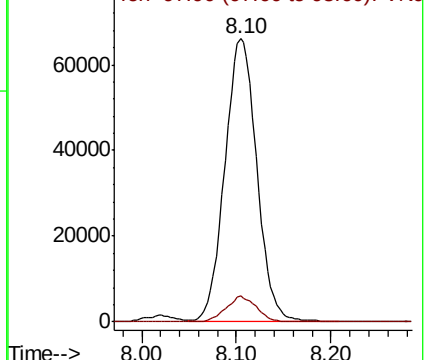
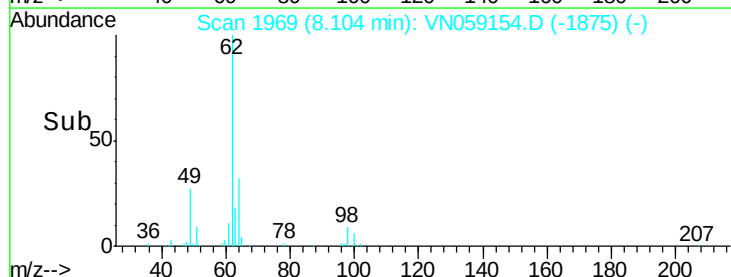
62 100

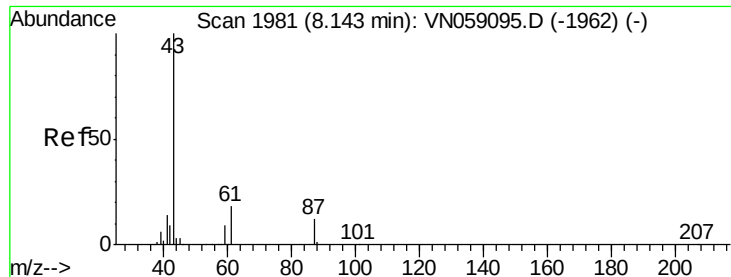
98 8.4 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.156 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

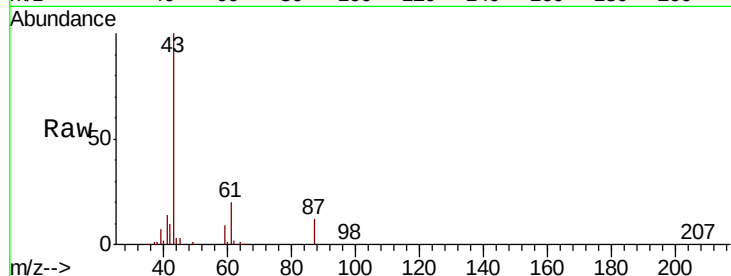
Tot Ion: 43 Resp: 251951

Ion Ratio Lower Upper

43 100

61 25.6 21.0 31.6

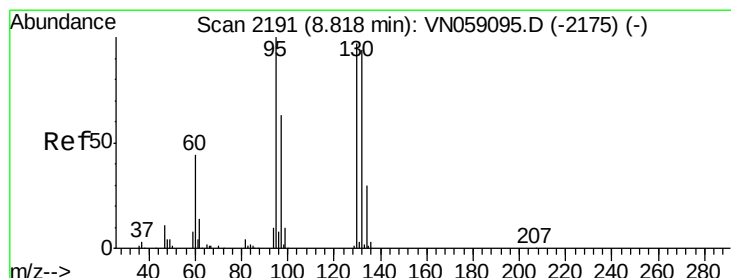
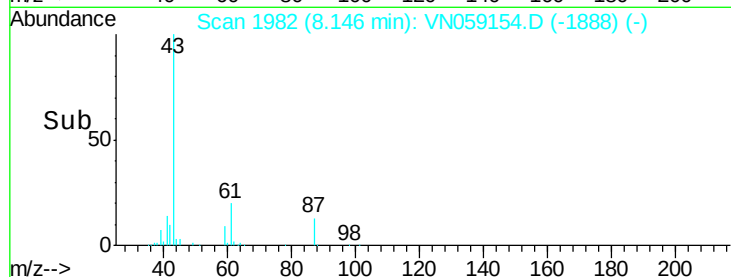
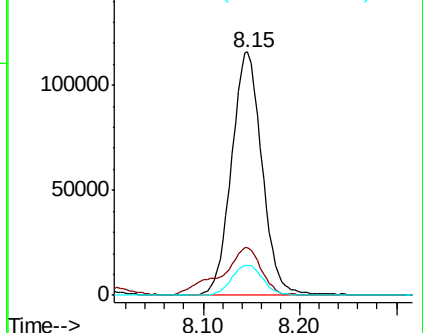
87 12.8 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059154.D (-1888) (-)

Ion 61.00 (60.70 to 61.70): VN059154.D (-1888) (-)

Ion 87.00 (86.70 to 87.70): VN059154.D (-1888) (-)



#44

Trichloroethene

Concen: 19.953 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059154.D

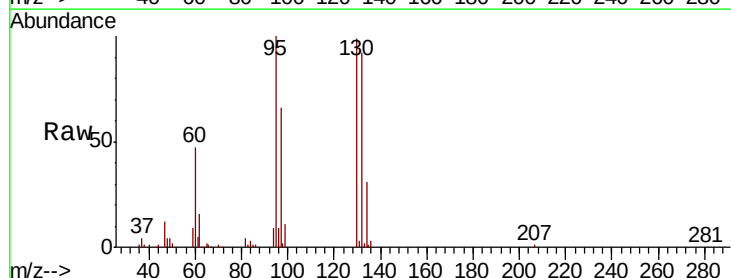
Acq: 11 Nov 2019 12:41

Tgt Ion:130 Resp: 104101

Ion Ratio Lower Upper

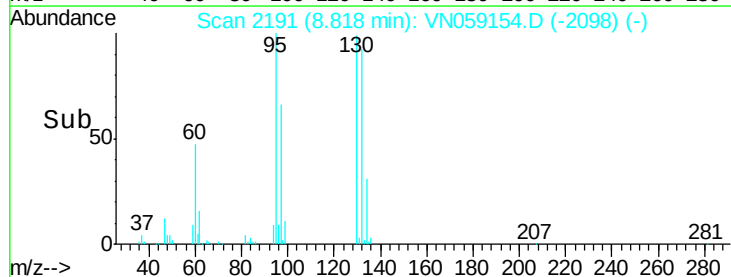
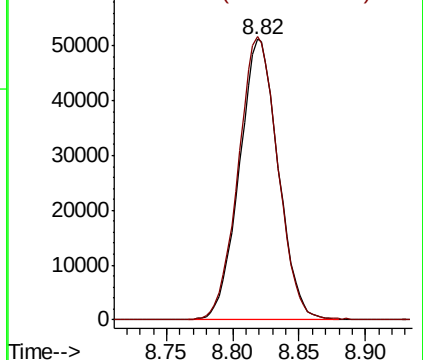
130 100

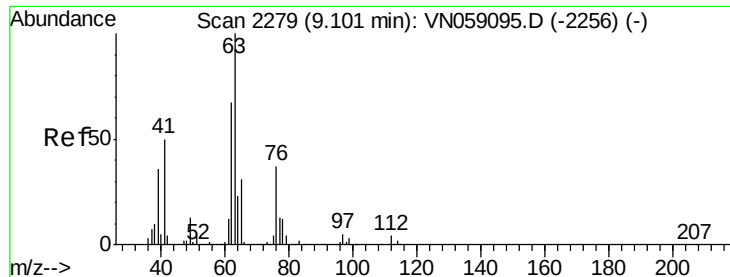
95 100.8 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059154.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059154.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 20.093 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

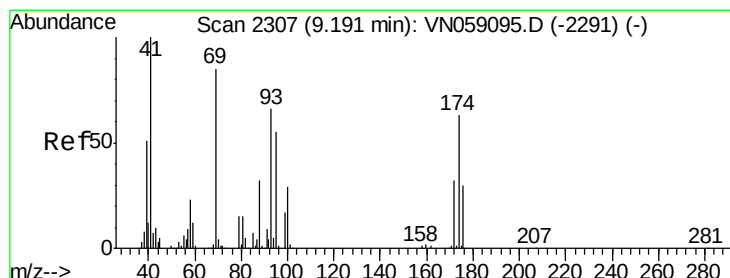
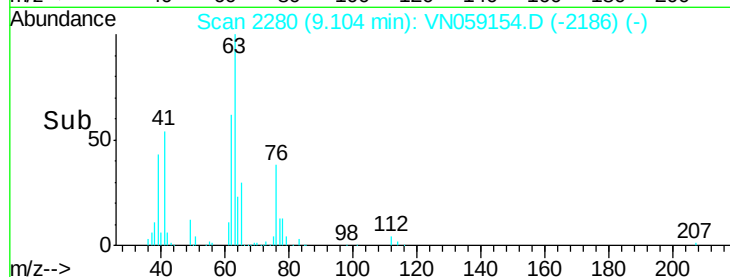
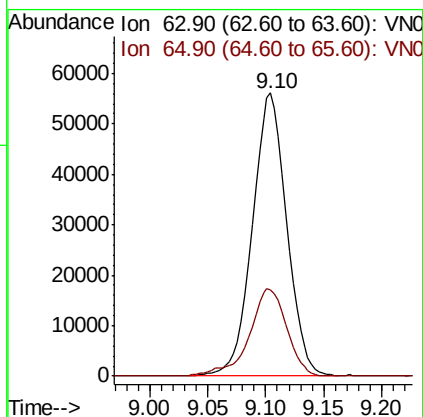
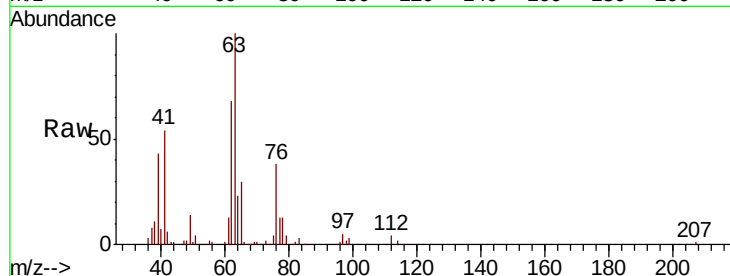
VN1111WBS01

Tot Ion: 63 Resp: 115834

Ion Ratio Lower Upper

63 100

65 30.5 24.6 37.0



#46

Dibromomethane

Concen: 19.877 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

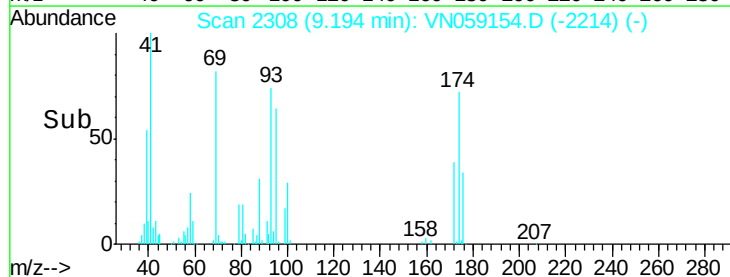
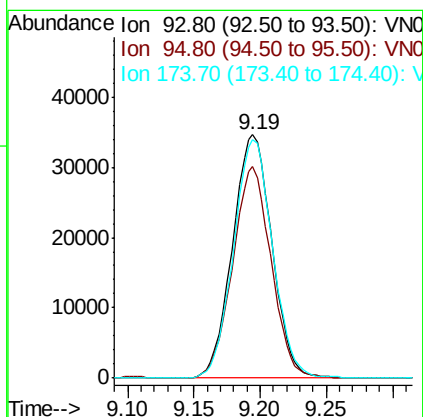
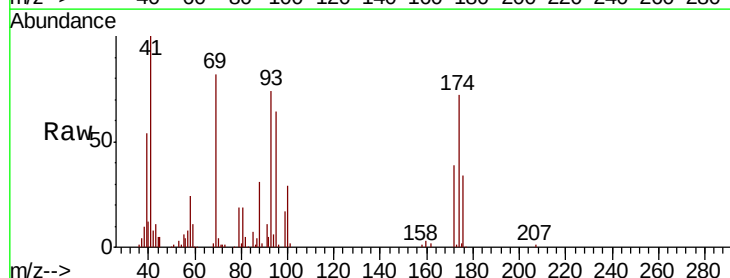
Tgt Ion: 93 Resp: 71407

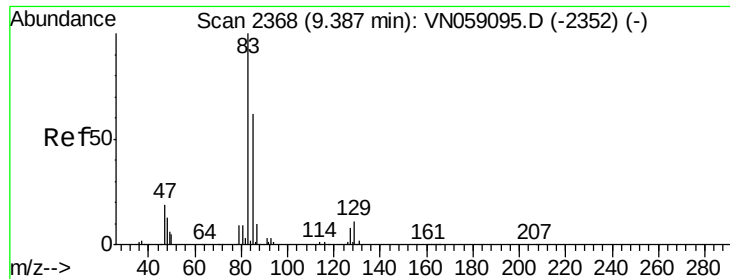
Ion Ratio Lower Upper

93 100

95 85.0 66.6 100.0

174 97.4 78.2 117.2





#47

Bromodichloromethane

Concen: 20.765 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

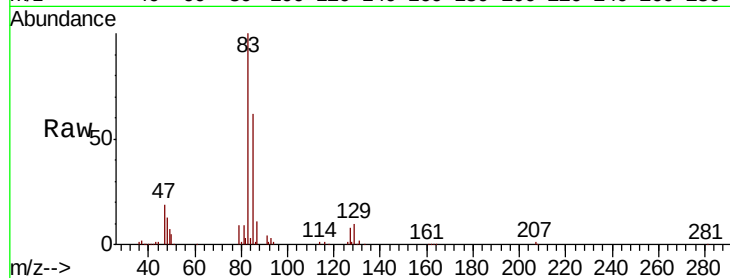
Tot Ion: 83 Resp: 148952

Ion Ratio Lower Upper

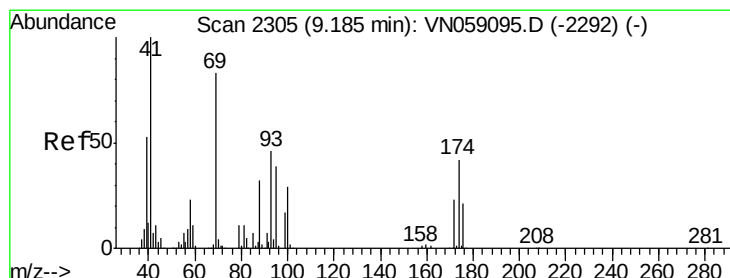
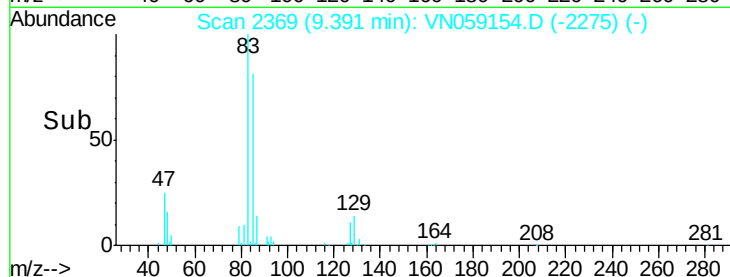
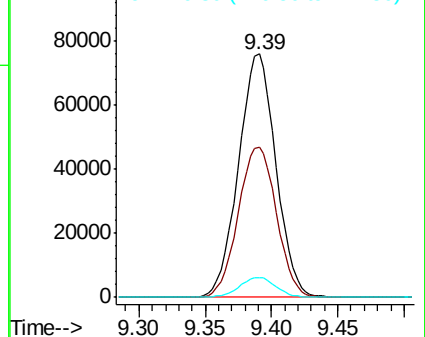
83 100

85 61.6 49.7 74.5

127 8.2 6.4 9.6



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



#48

Methyl methacrylate

Concen: 20.305 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

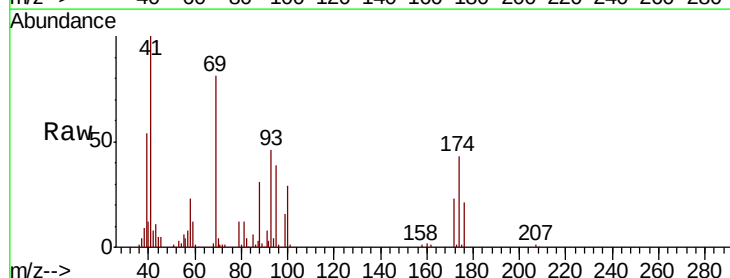
Tgt Ion: 41 Resp: 113530

Ion Ratio Lower Upper

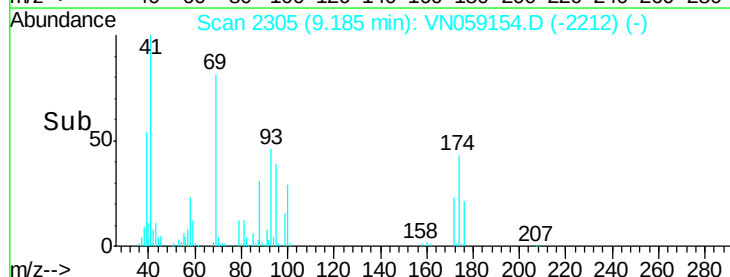
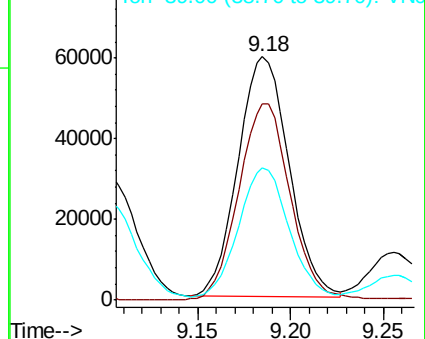
41 100

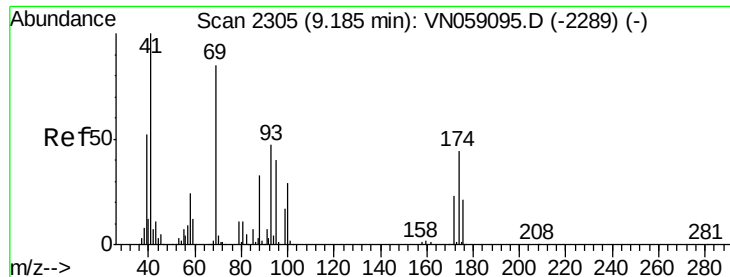
69 83.4 67.3 100.9

39 55.6 43.3 64.9



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

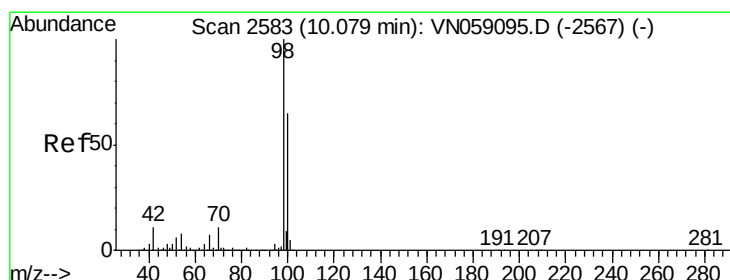
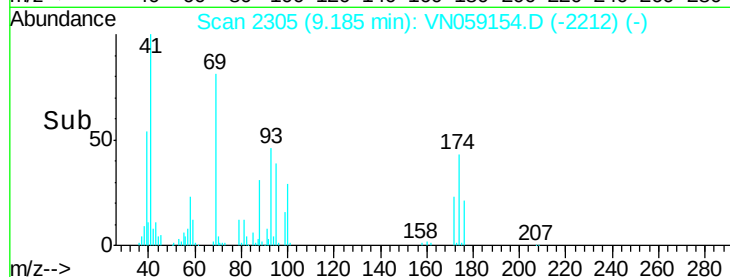
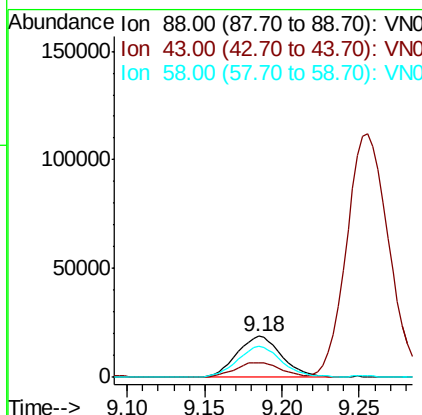
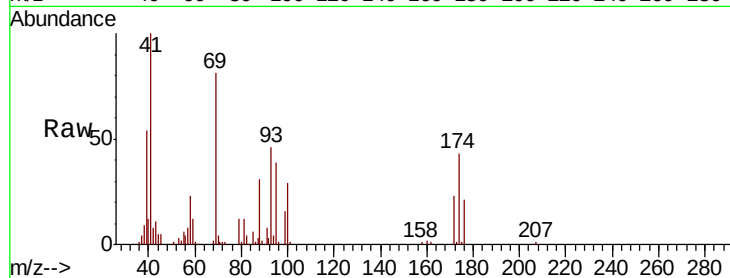




#49
1,4-Dioxane
Concen: 387.208 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

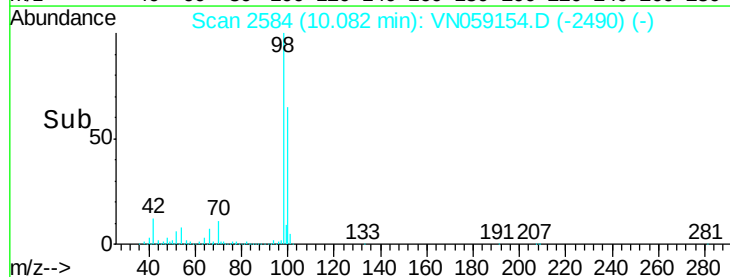
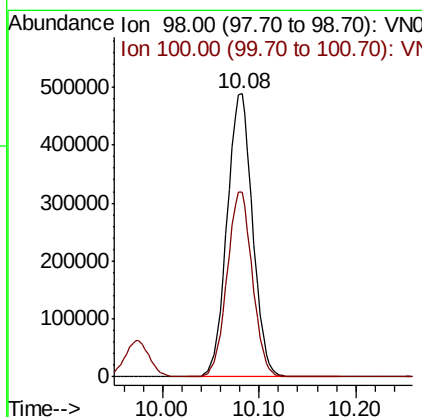
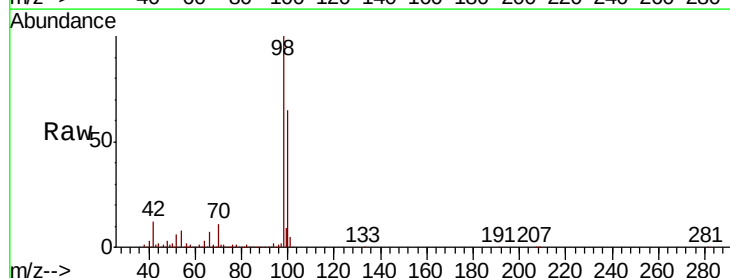
Instrument :
MSVOA_N
ClientSampled :
VN1111WBS01

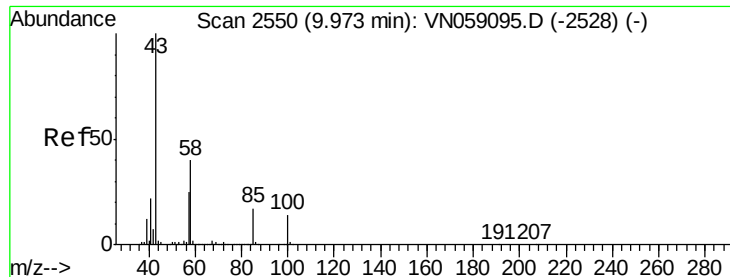
Tot Ion: 88 Resp: 38475
Ion Ratio Lower Upper
88 100
43 37.1 26.3 39.5
58 74.9 60.6 90.8



#50
Toluene-d8
Concen: 50.466 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion: 98 Resp: 894977
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2

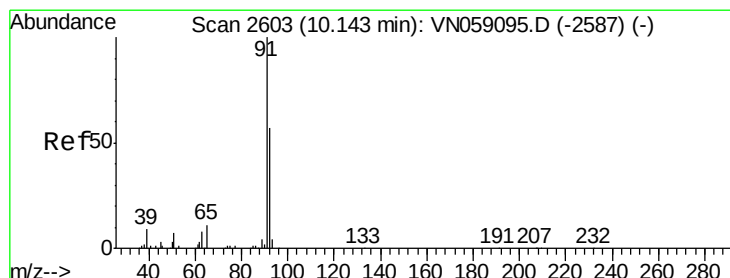
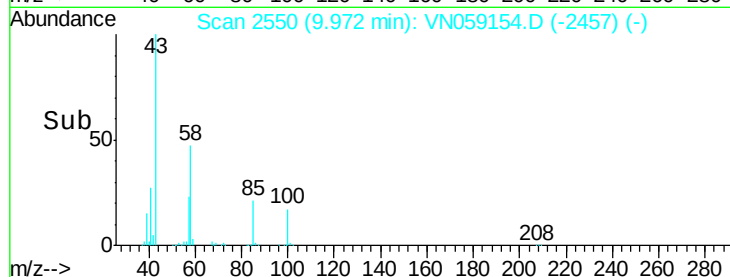
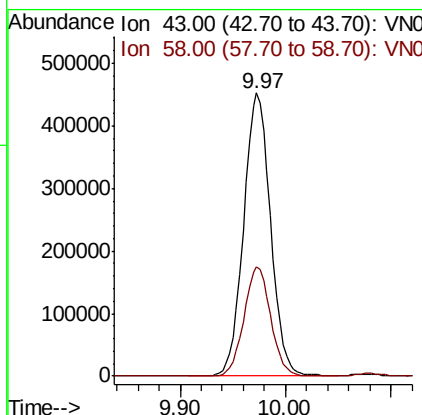
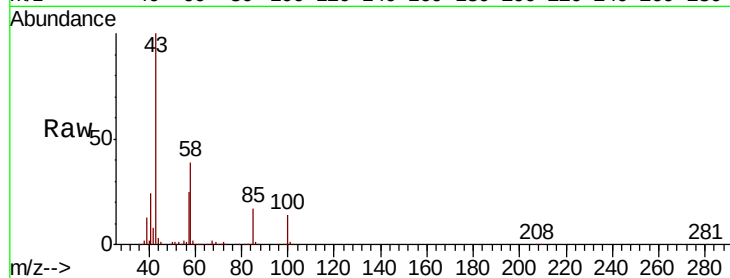




#51
 4-Methyl-2-Pentanone
 Concen: 113.505 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

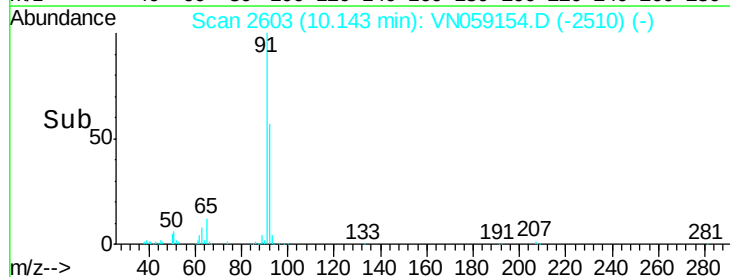
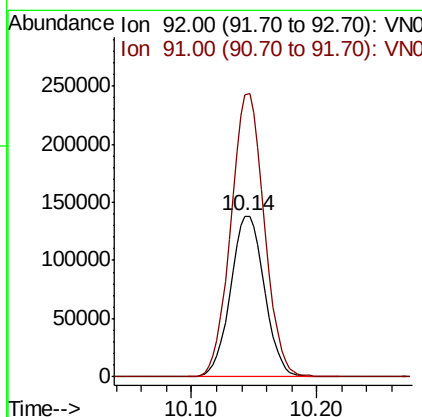
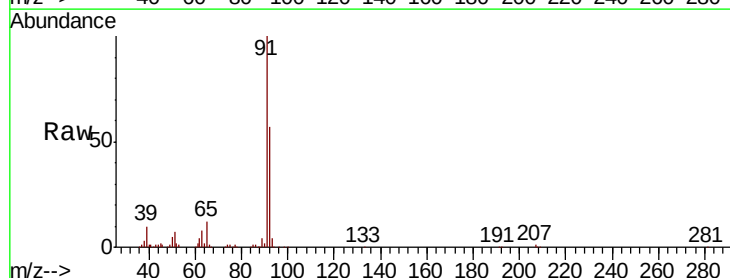
Instrument :
 MSVOA_N
 ClientSampled :
 VN1111WBS01

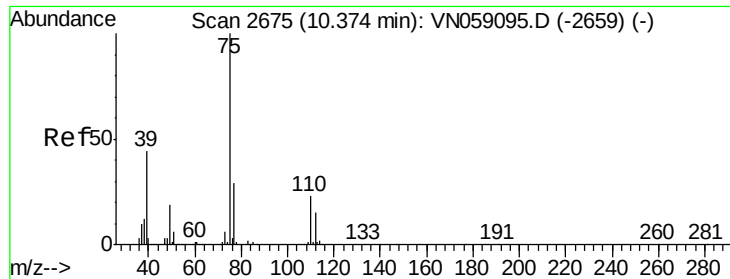
Tot Ion: 43 Resp: 802810
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.5 47.3



#52
 Toluene
 Concen: 20.393 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Tgt Ion: 92 Resp: 259418
 Ion Ratio Lower Upper
 92 100
 91 173.7 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 20.123 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

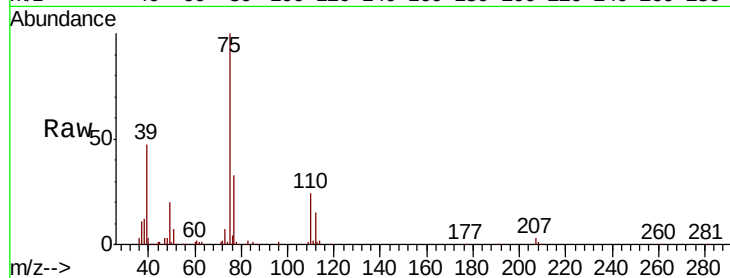
VN1111WBS01

Tot Ion: 75 Resp: 166774

Ion Ratio Lower Upper

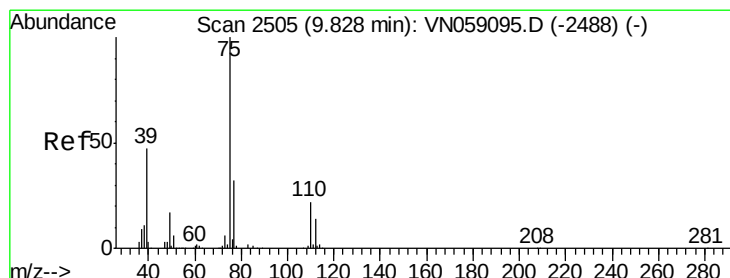
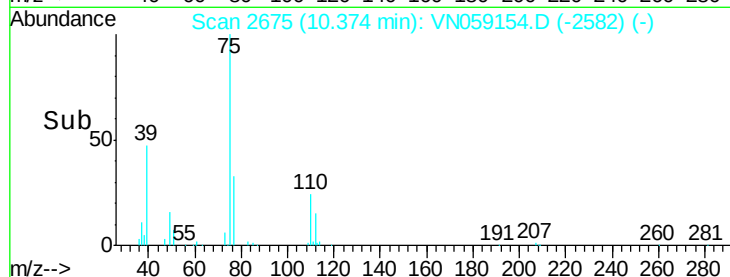
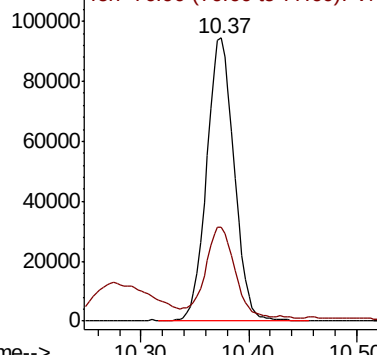
75 100

77 32.0 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.318 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

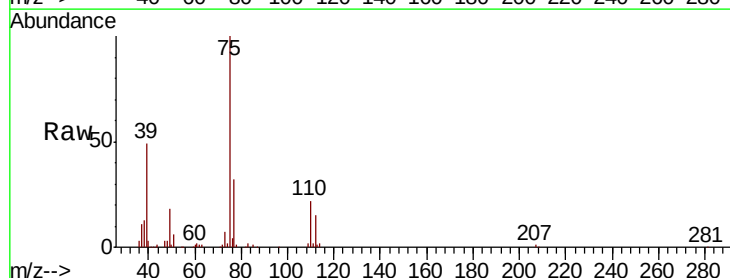
Tgt Ion: 75 Resp: 181129

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

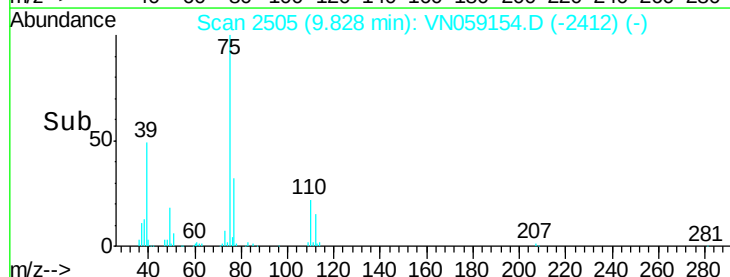
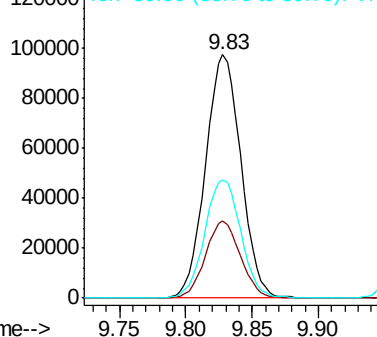
39 48.6 37.3 55.9

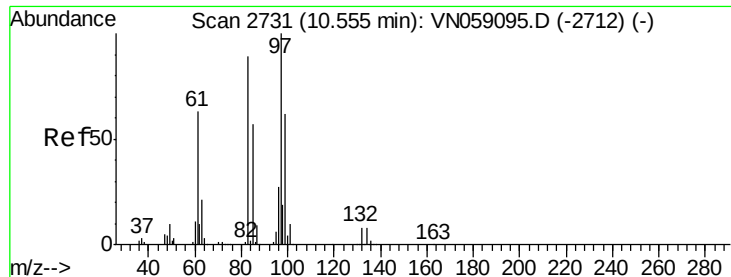


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

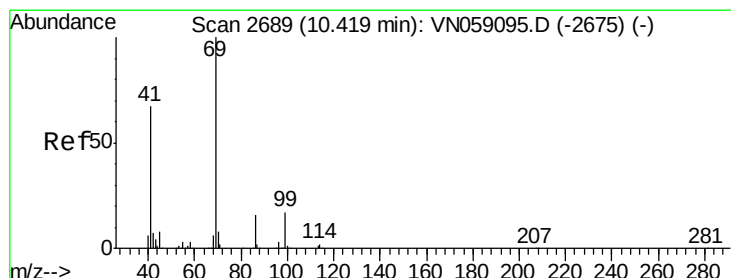
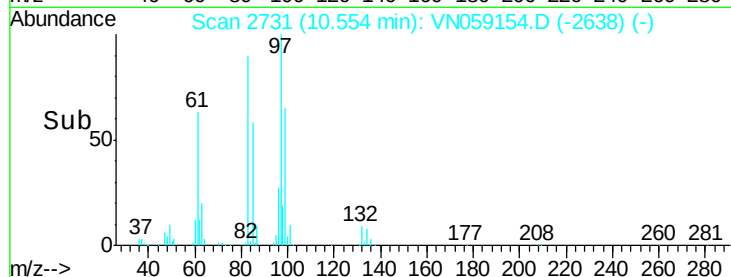
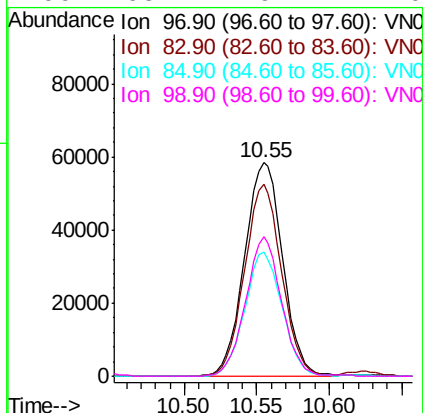
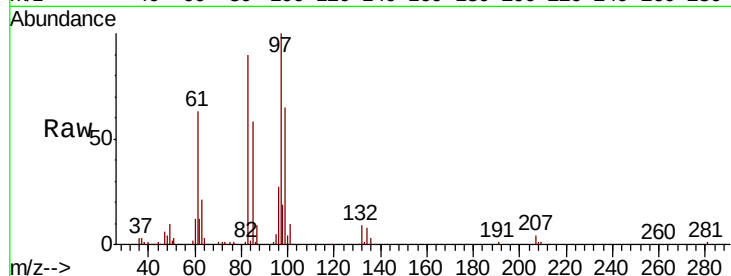




#55
 1,1,2-Trichloroethane
 Concen: 20.803 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

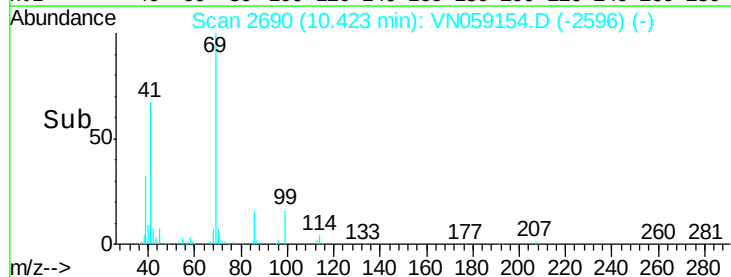
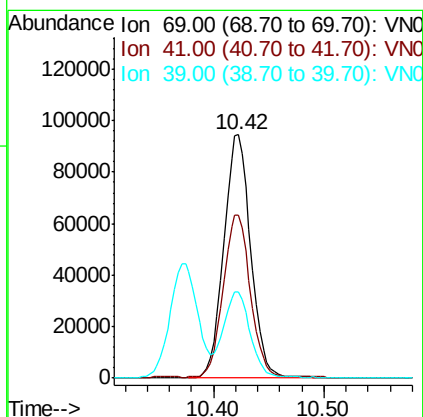
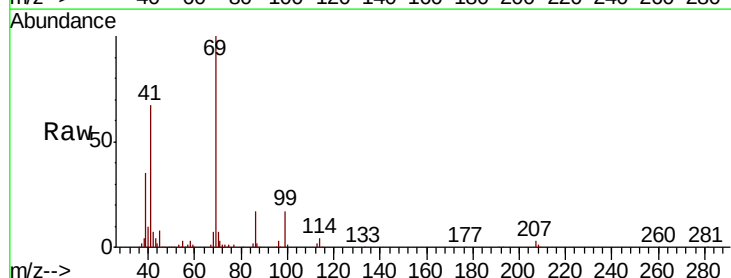
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

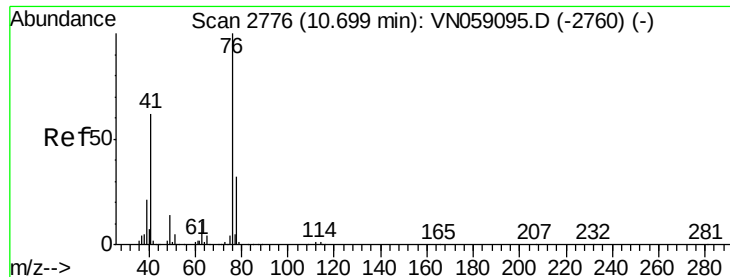
Tot Ion: 97 Resp: 107100
 Ion Ratio Lower Upper
 97 100
 83 89.8 71.0 106.4
 85 57.9 45.8 68.8
 99 65.1 49.4 74.0



#56
 Ethyl methacrylate
 Concen: 19.828 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Tgt Ion: 69 Resp: 160176
 Ion Ratio Lower Upper
 69 100
 41 67.1 53.6 80.4
 39 35.4 26.2 39.4





#57

1,3-Dichloropropane

Concen: 20.699 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

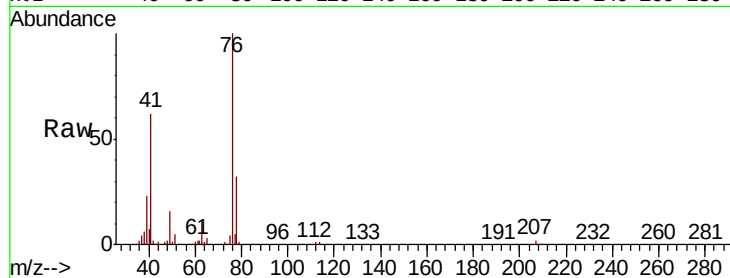
VN1111WBS01

Tot Ion: 76 Resp: 183411

Ion Ratio Lower Upper

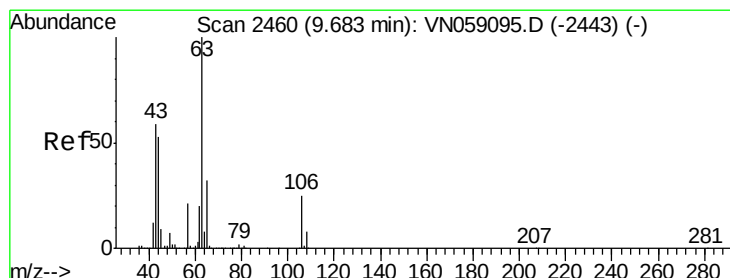
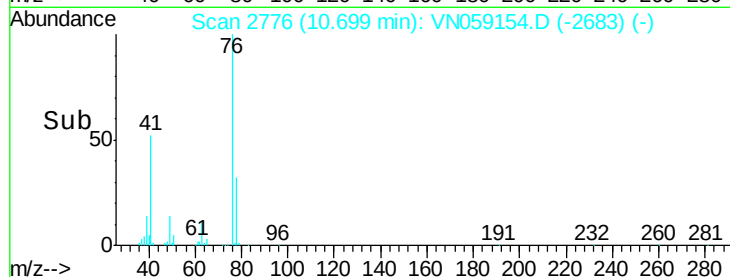
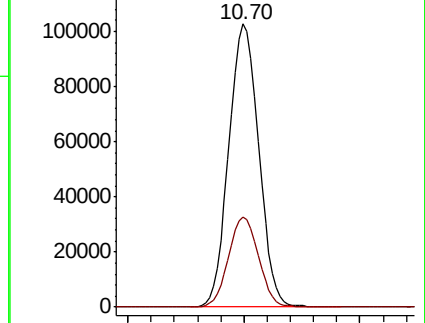
76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 106.273 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059154.D

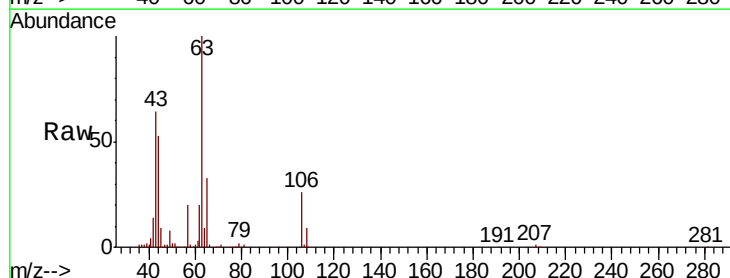
Acq: 11 Nov 2019 12:41

Tgt Ion: 63 Resp: 304493

Ion Ratio Lower Upper

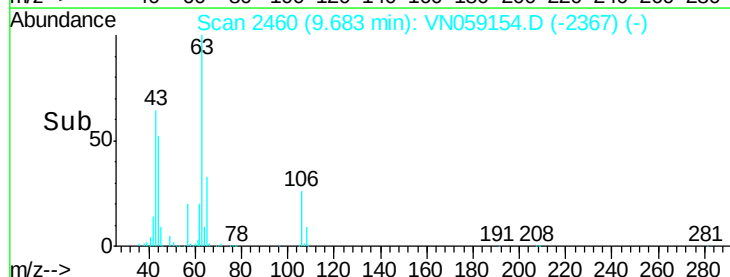
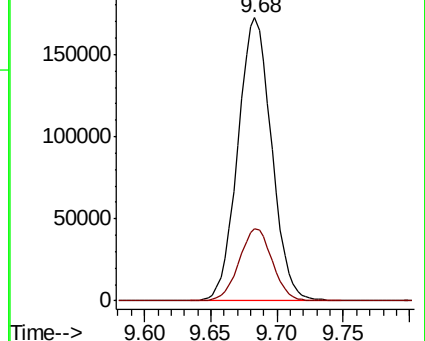
63 100

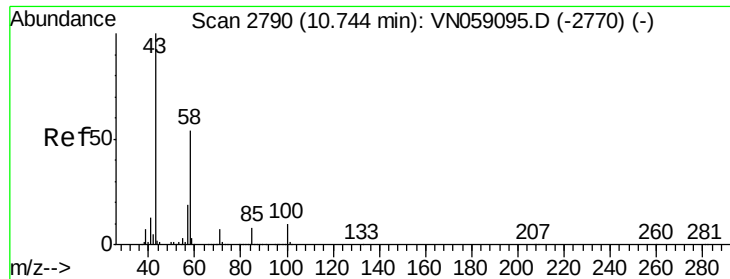
106 25.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

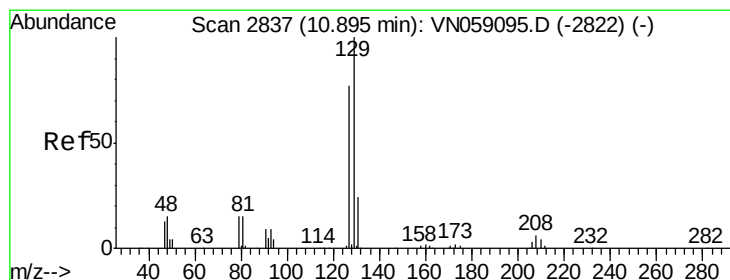
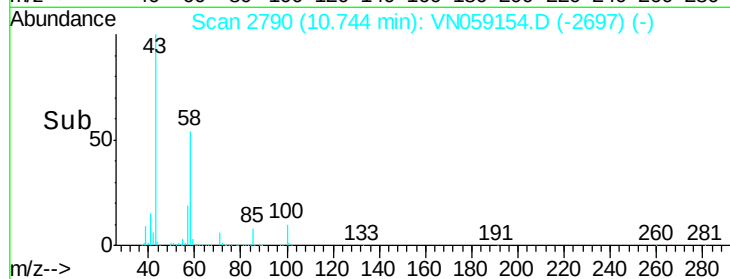
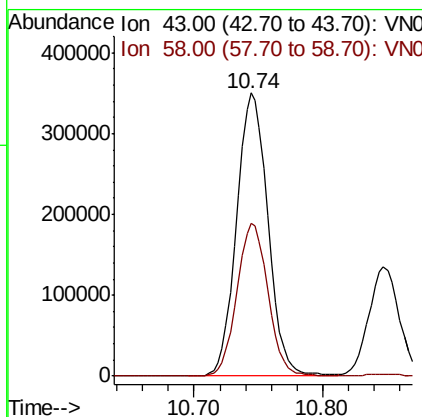
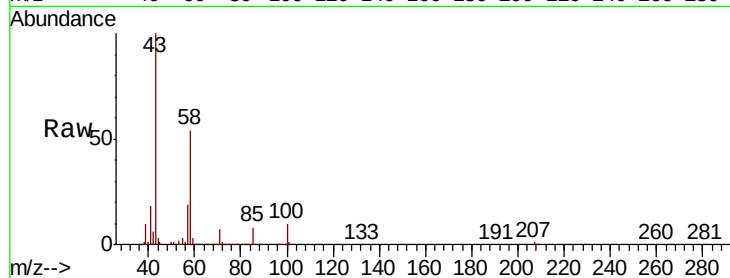




#59
2-Hexanone
Concen: 109.055 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

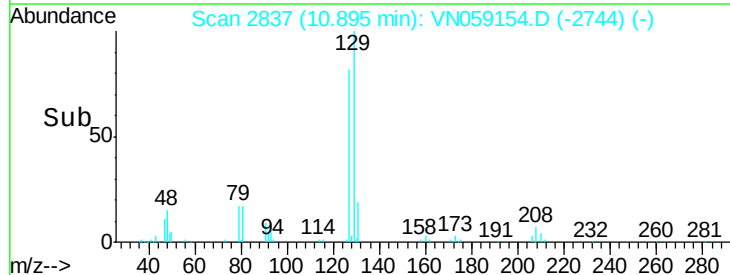
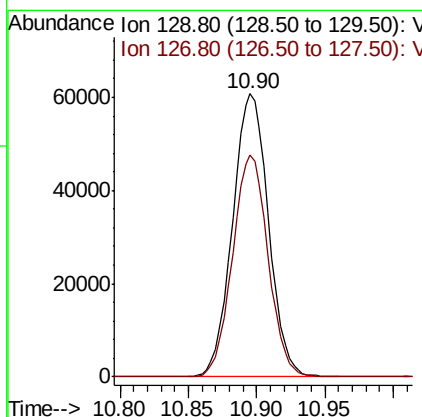
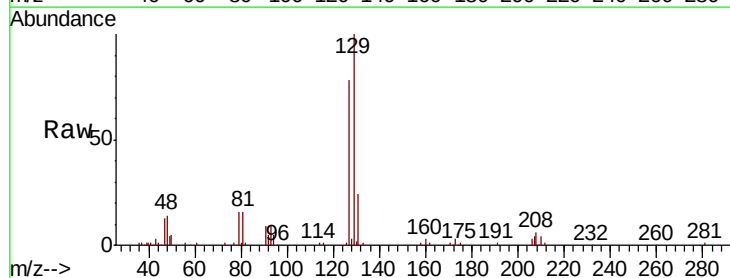
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

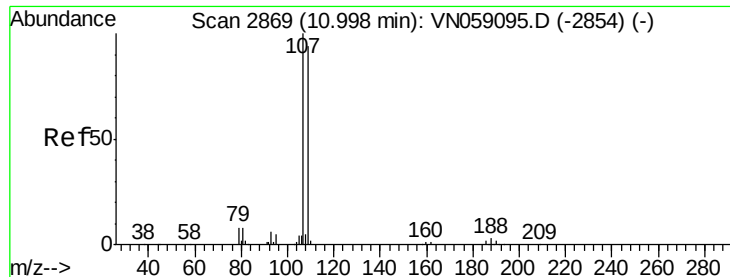
Tot Ion: 43 Resp: 592036
Ion Ratio Lower Upper
43 100
58 53.6 27.3 81.8



#60
Dibromochloromethane
Concen: 20.396 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion: 129 Resp: 111022
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.652 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

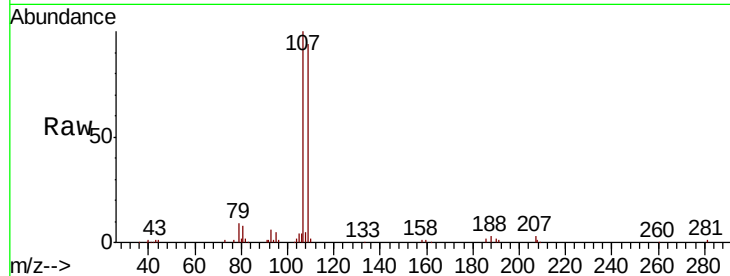
VN1111WBS01

Tot Ion: 107 Resp: 107635

Ion Ratio Lower Upper

107 100

109 93.0 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

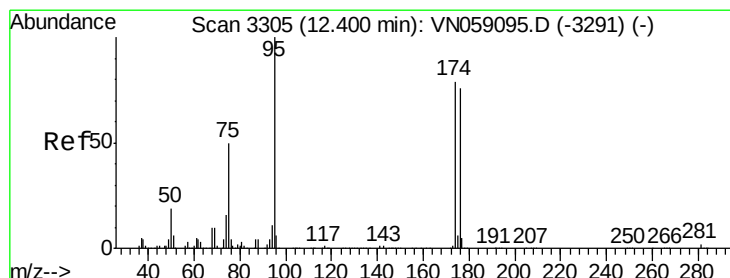
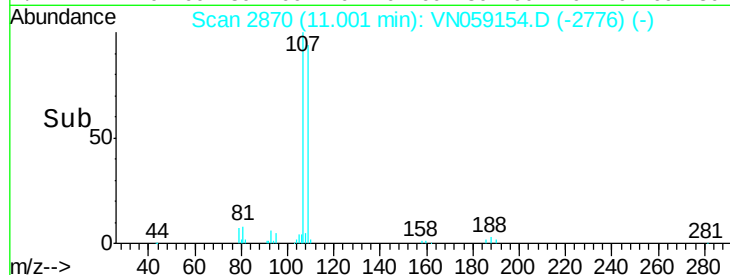
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.858 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

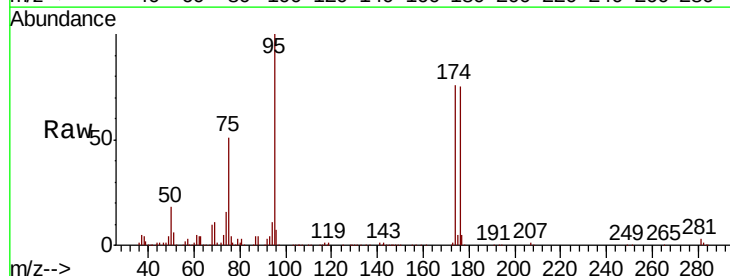
Tgt Ion: 95 Resp: 318808

Ion Ratio Lower Upper

95 100

174 77.3 0.0 158.2

176 75.5 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

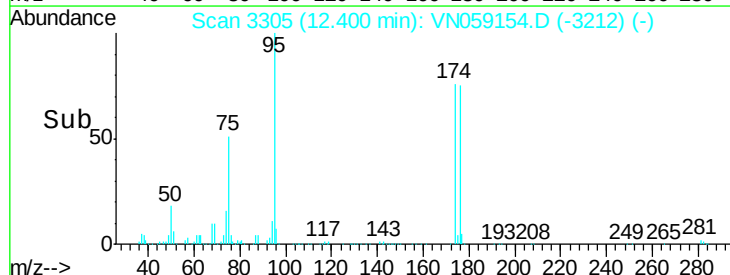
150000

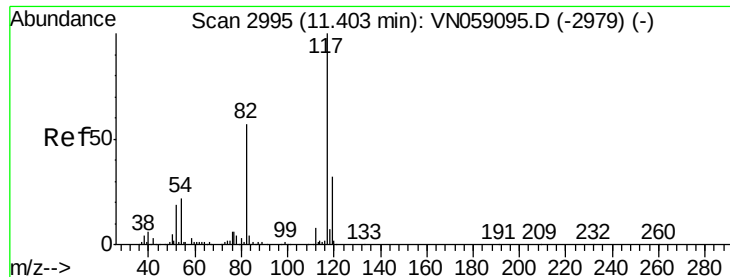
100000

50000

0

Time--> 12.35 12.40 12.45 12.50

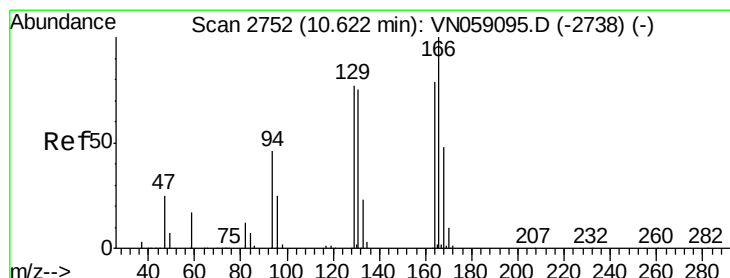
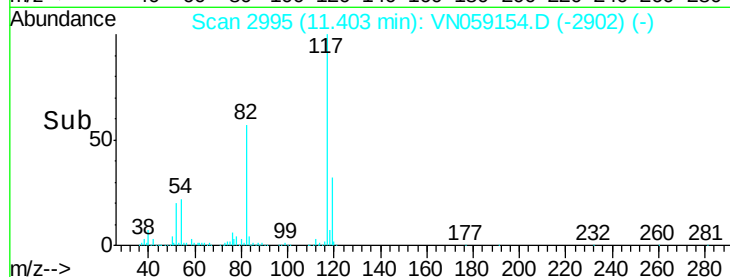
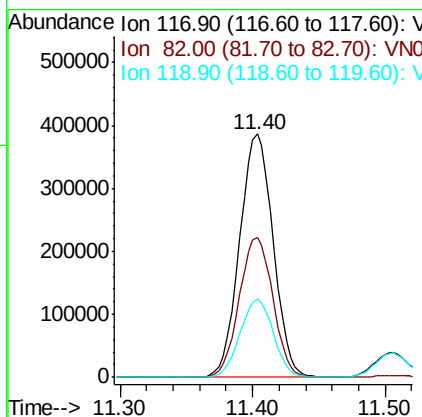
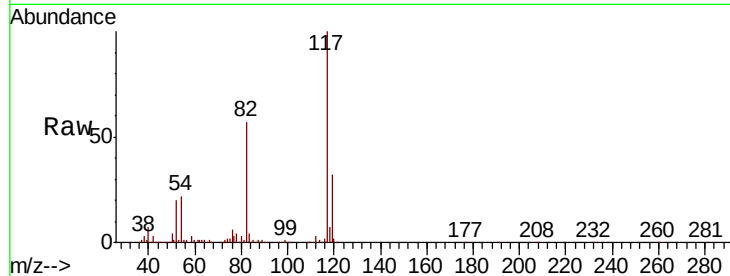




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

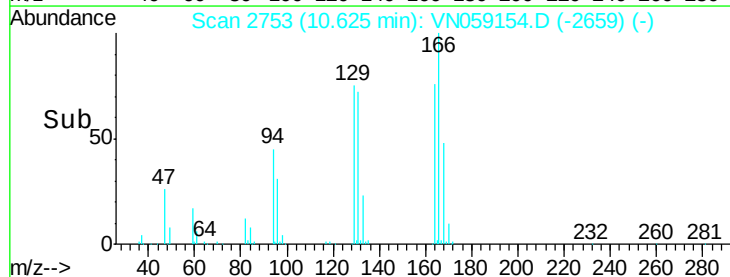
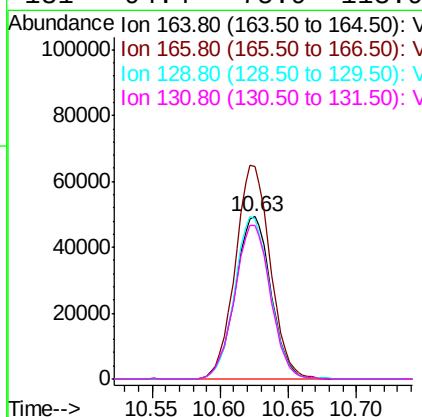
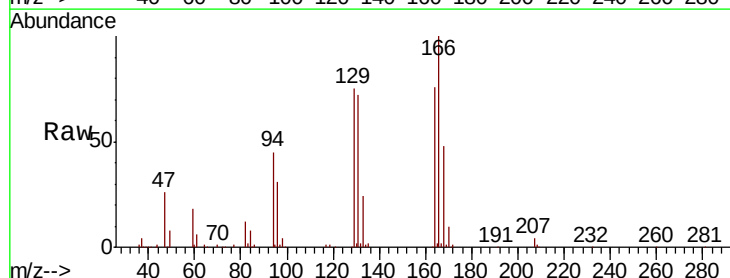
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

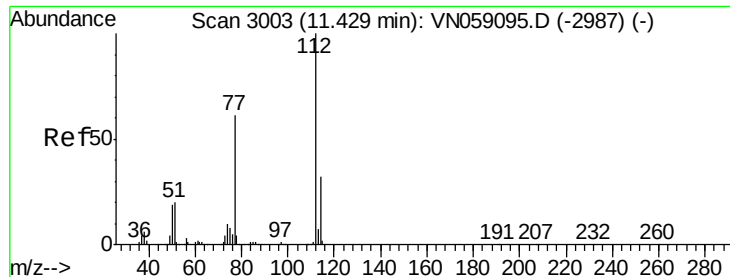
Tot Ion:117 Resp: 680492
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.8
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 19.345 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion:164 Resp: 89516
Ion Ratio Lower Upper
164 100
166 131.2 101.5 152.3
129 98.5 78.3 117.5
131 94.4 75.9 113.9





#65

Chlorobenzene

Concen: 20.788 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

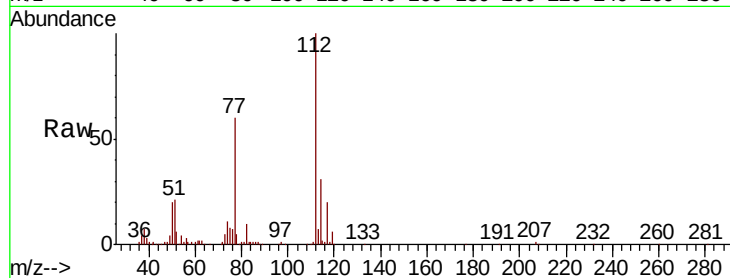
VN1111WBS01

Tot Ion:112 Resp: 275765

Ion Ratio Lower Upper

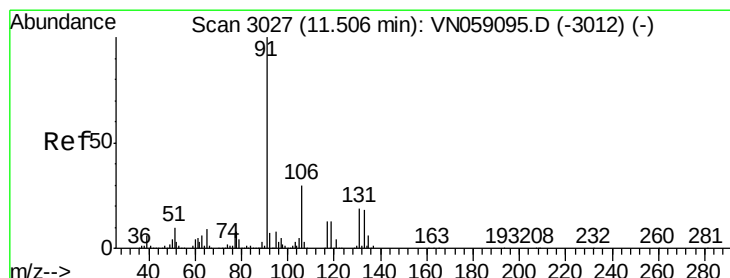
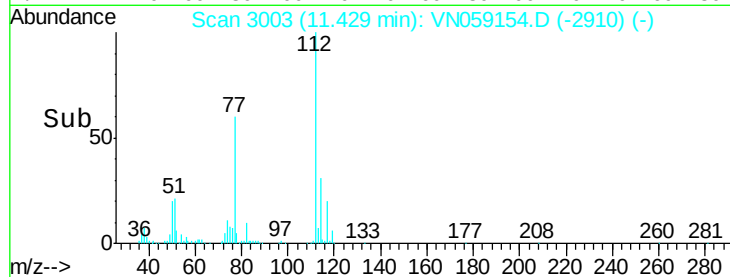
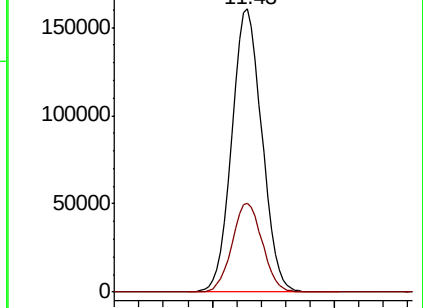
112 100

114 31.4 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.580 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

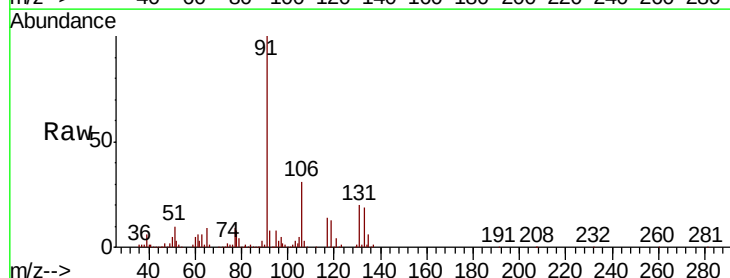
Tgt Ion:131 Resp: 102409

Ion Ratio Lower Upper

131 100

133 96.1 47.4 142.3

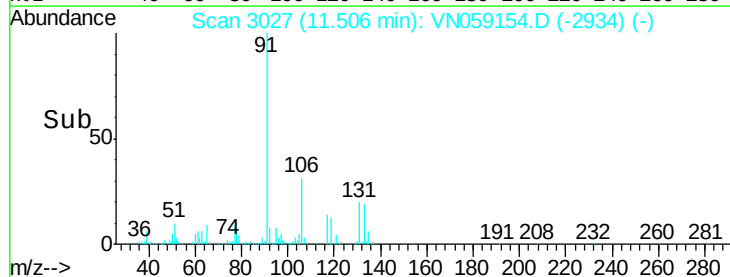
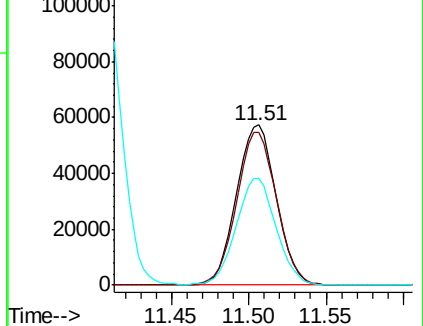
119 66.8 33.2 99.6

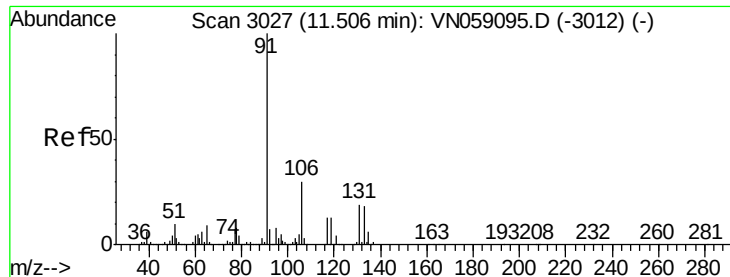


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.849 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampled :

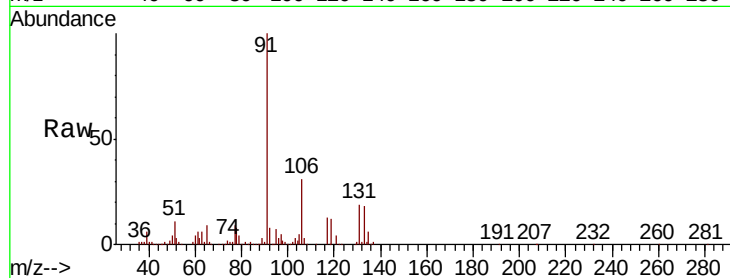
VN1111WBS01

Tot Ion: 91 Resp: 490706

Ion Ratio Lower Upper

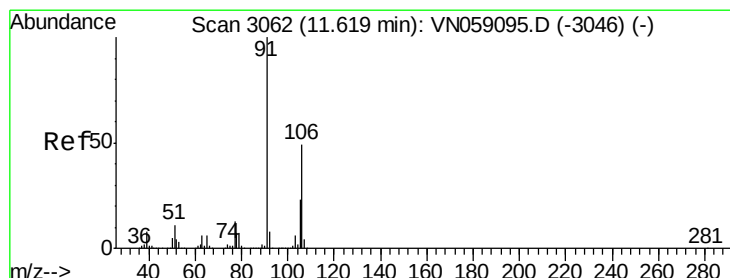
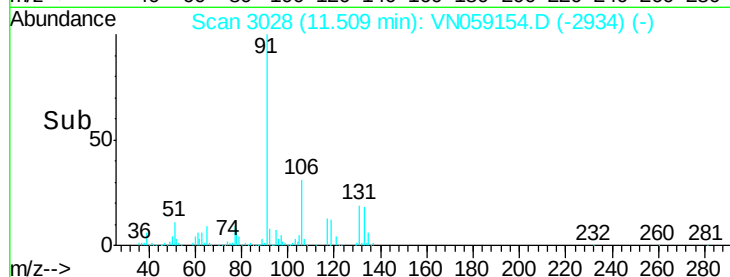
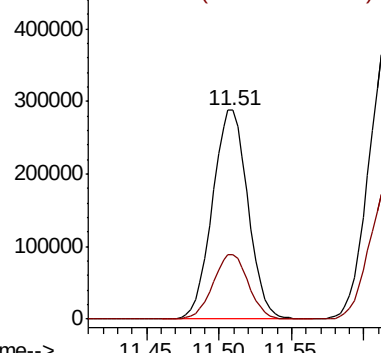
91 100

106 31.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.865 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059154.D

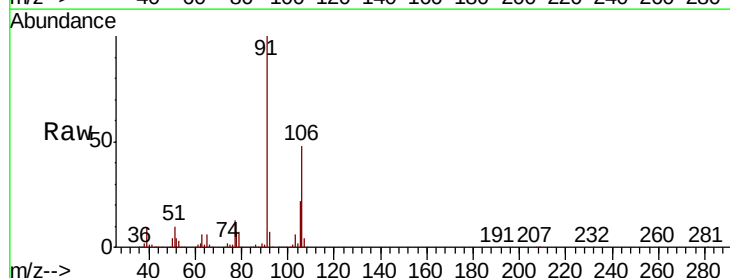
Acq: 11 Nov 2019 12:41

Tgt Ion: 106 Resp: 360277

Ion Ratio Lower Upper

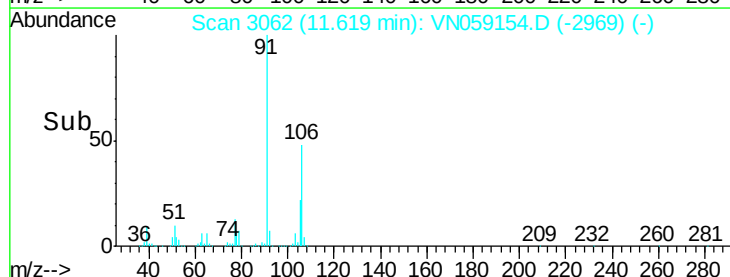
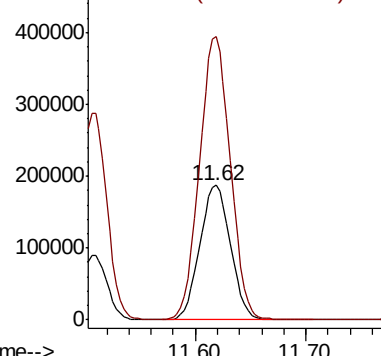
106 100

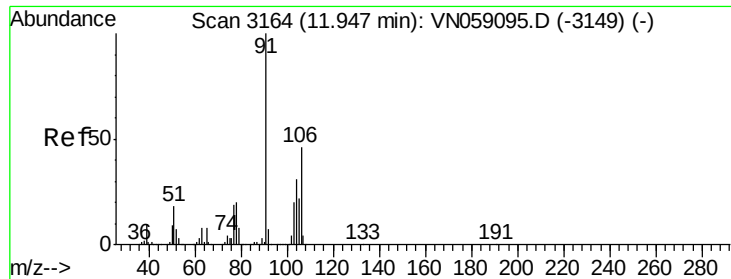
91 210.9 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

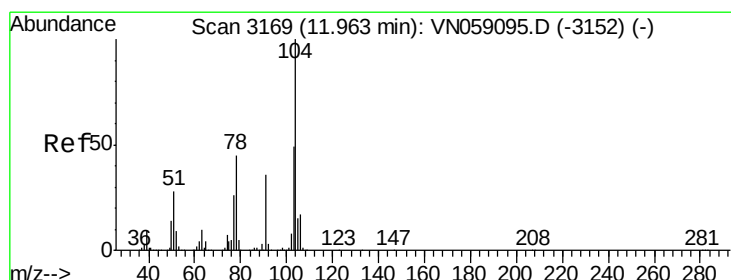
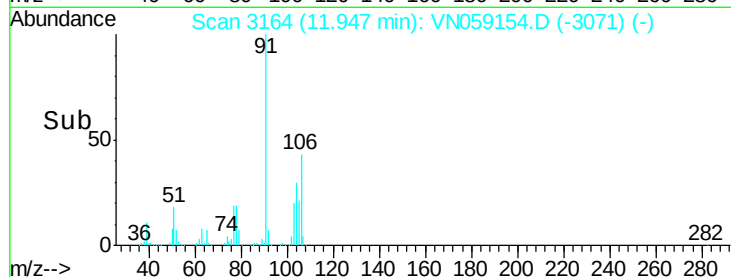
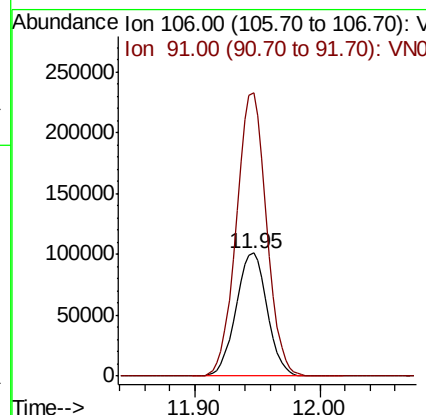
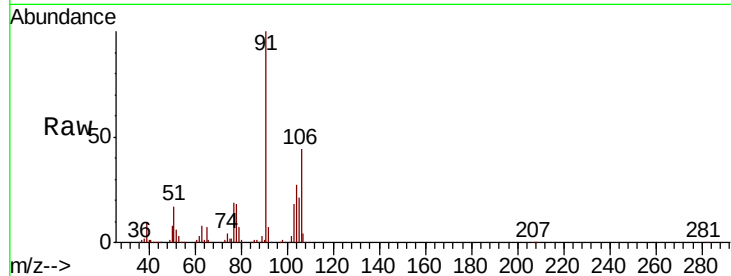




#69
o-Xylene
Concen: 20.456 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

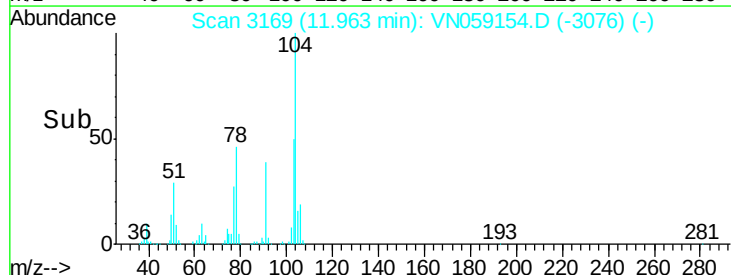
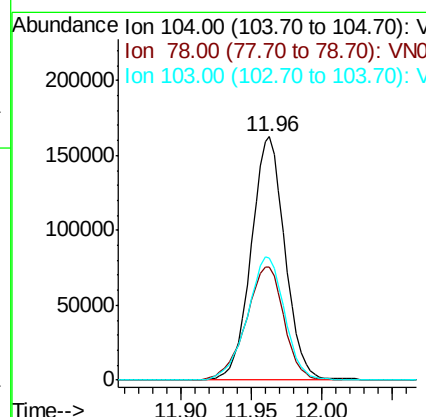
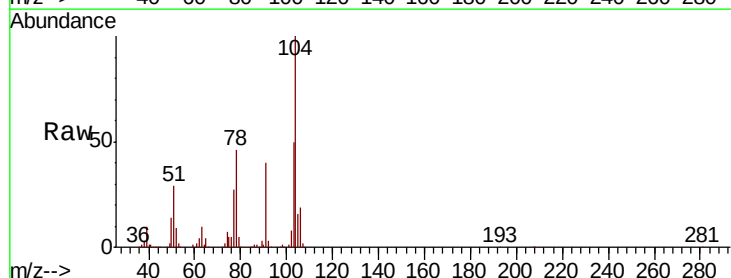
Instrument :
MSVOA_N
ClientSampled :
VN1111WBS01

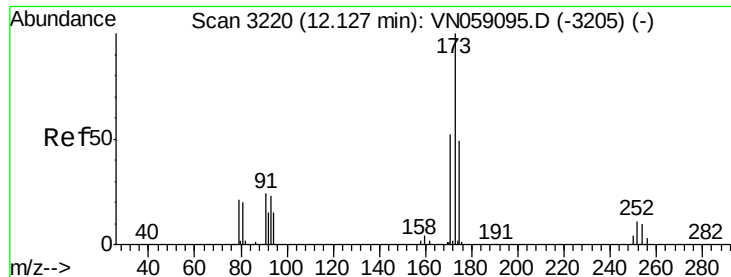
Tot Ion:106 Resp: 174286
Ion Ratio Lower Upper
106 100
91 222.7 110.1 330.3



#70
Styrene
Concen: 20.313 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion:104 Resp: 272185
Ion Ratio Lower Upper
104 100
78 52.5 41.2 61.8
103 55.9 43.8 65.6





#71

Bromoform

Concen: 20.297 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

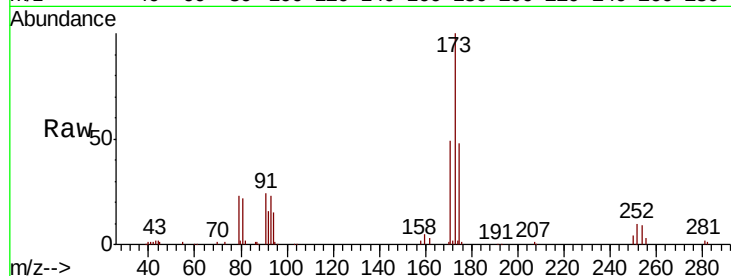
Tot Ion:173 Resp: 78564

Ion Ratio Lower Upper

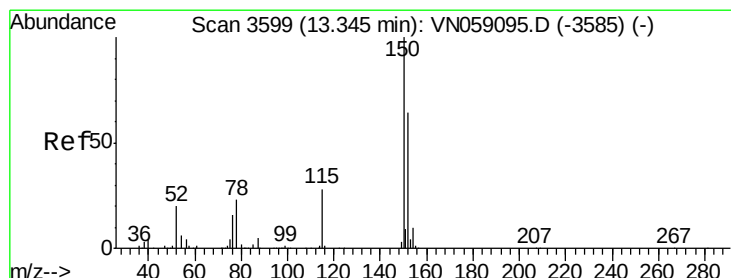
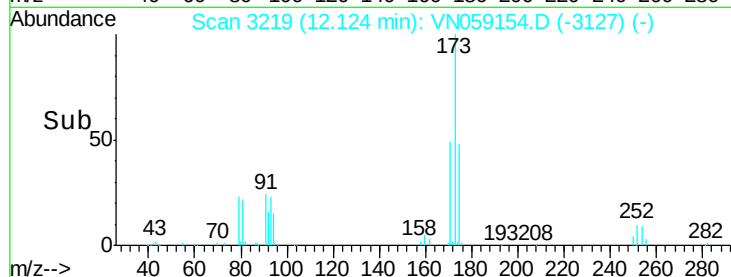
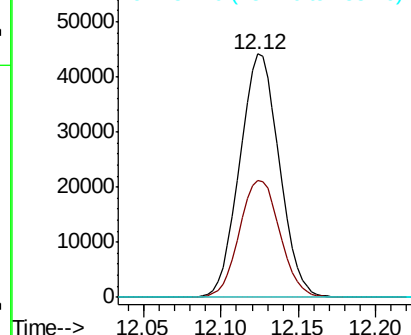
173 100

175 49.1 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

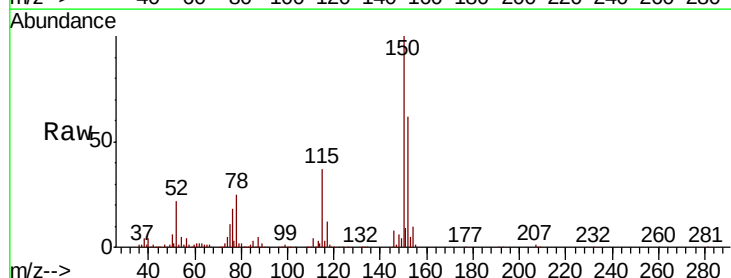
Tgt Ion:152 Resp: 298338

Ion Ratio Lower Upper

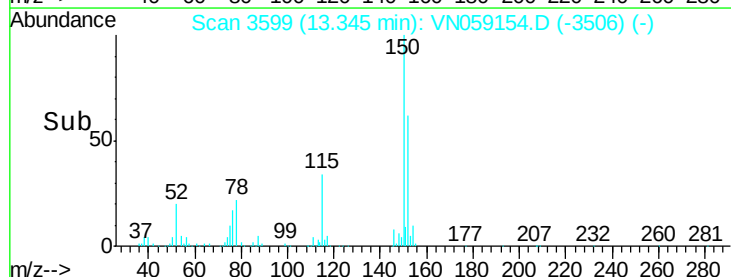
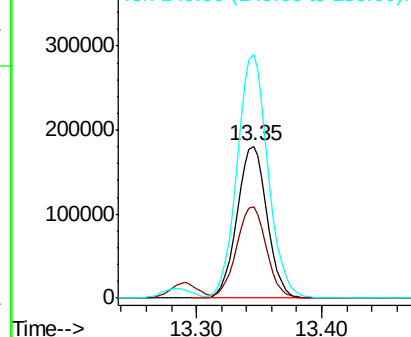
152 100

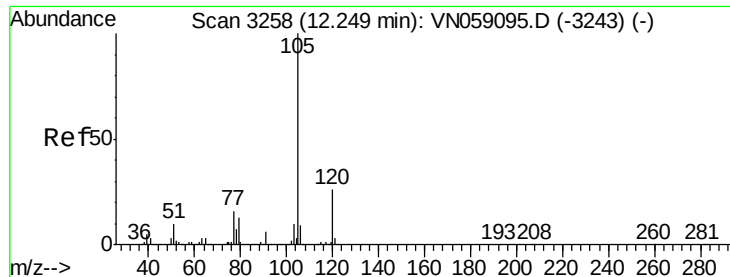
115 59.9 29.4 88.2

150 165.4 0.0 345.8



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





#73

Isopropylbenzene

Concen: 21.784 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

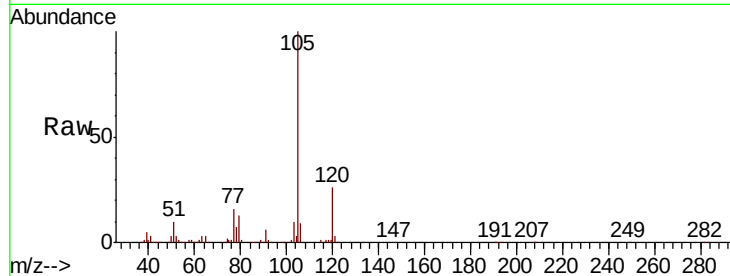
VN1111WBS01

Tot Ion:105 Resp: 472735

Ion Ratio Lower Upper

105 100

120 25.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

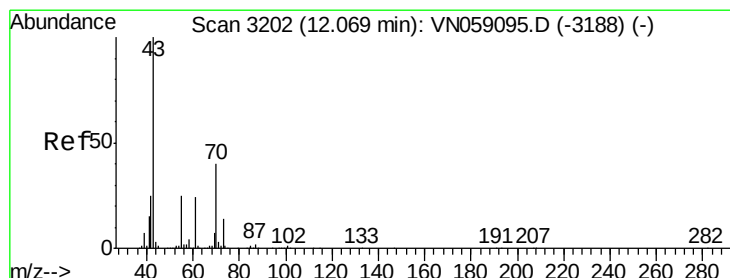
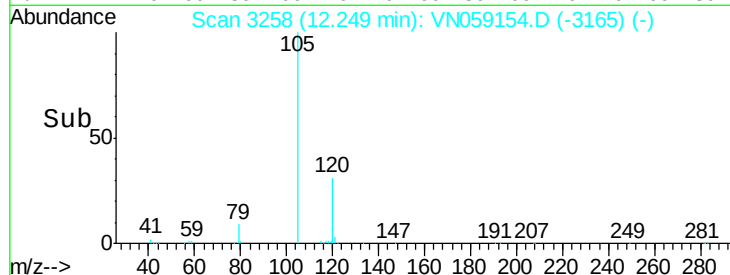
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 21.344 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Tgt Ion: 43 Resp: 196271

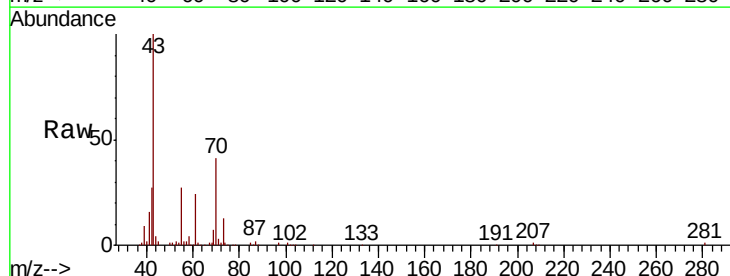
Ion Ratio Lower Upper

43 100

70 41.5 32.2 48.4

55 26.4 20.4 30.6

61 23.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

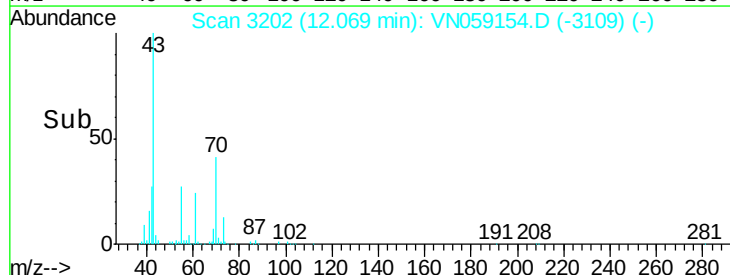
150000

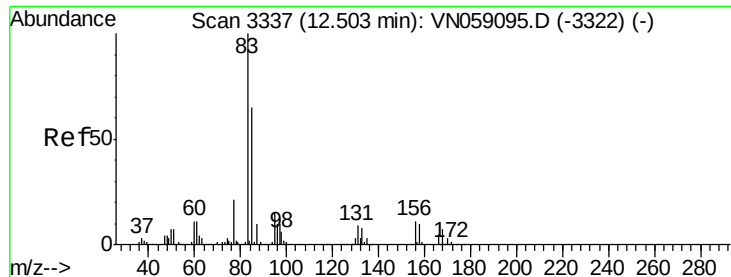
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 22.158 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

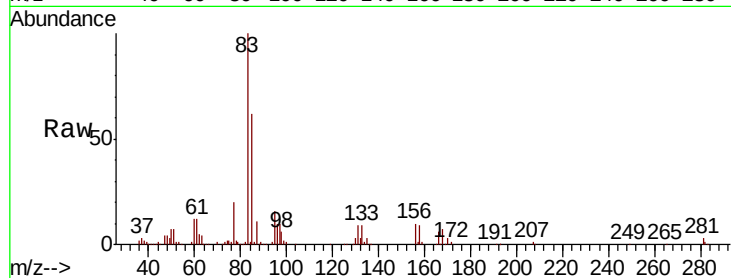
Tot Ion: 83 Resp: 163752

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.6

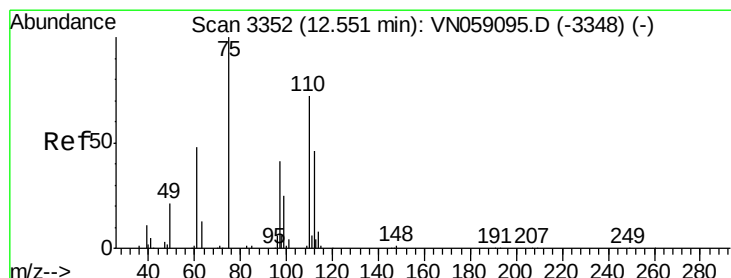
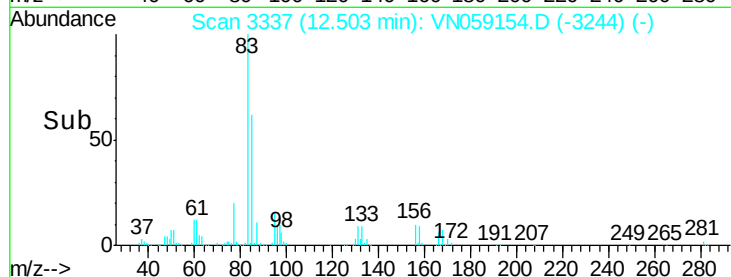
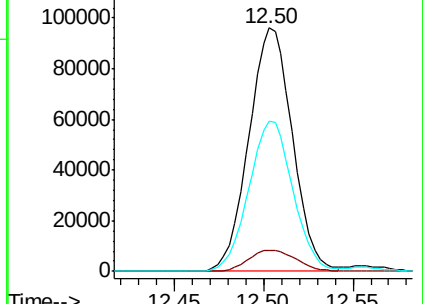
85 62.3 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059154.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059154.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059154.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 31.323 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059154.D

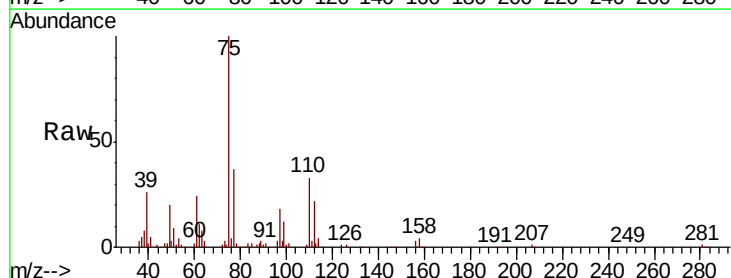
Acq: 11 Nov 2019 12:41

Tgt Ion: 75 Resp: 212754

Ion Ratio Lower Upper

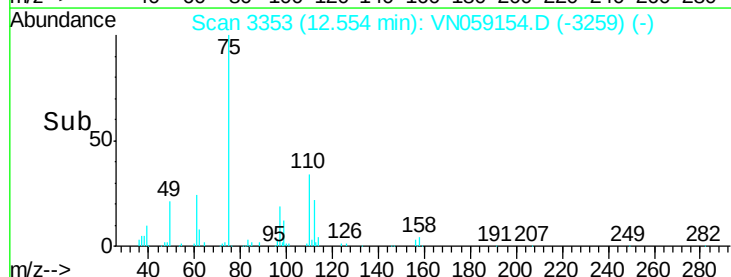
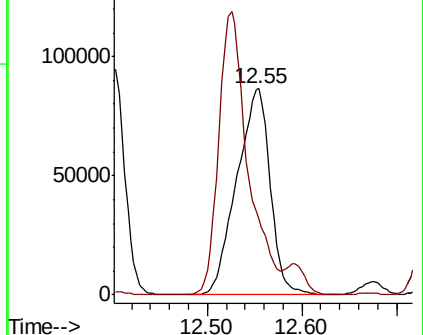
75 100

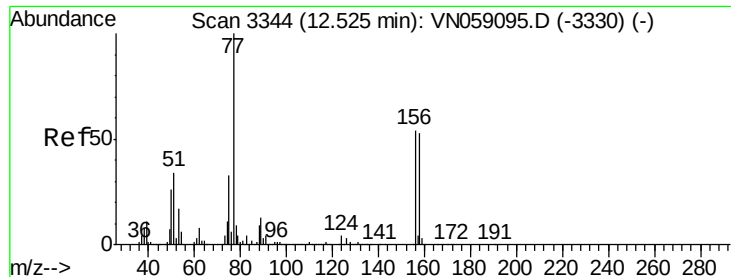
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059154.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059154.D (-3259) (-)





#77

Bromobenzene

Concen: 20.800 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

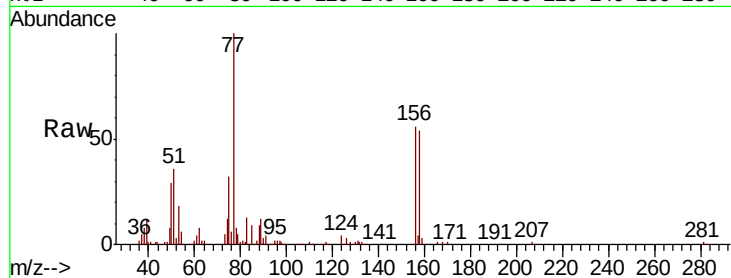
Tot Ion:156 Resp: 113409

Ion Ratio Lower Upper

156 100

77 225.9 112.8 338.3

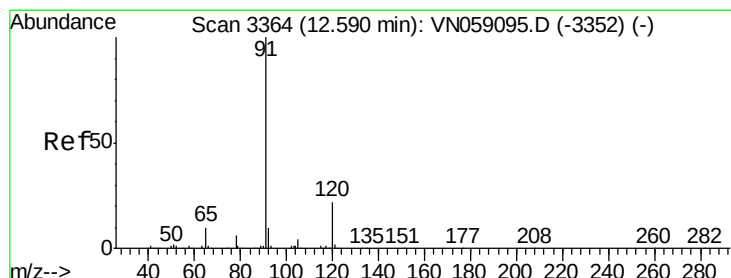
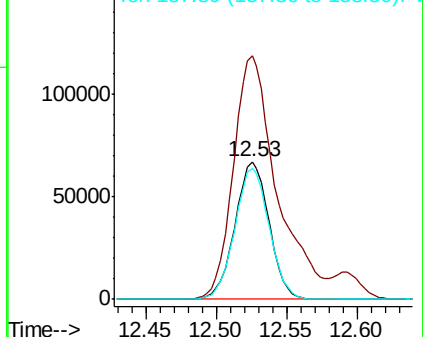
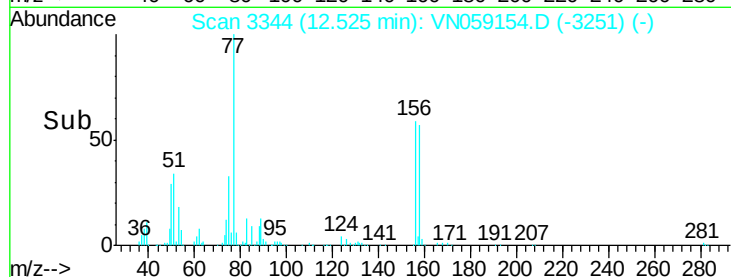
158 96.7 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.616 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059154.D

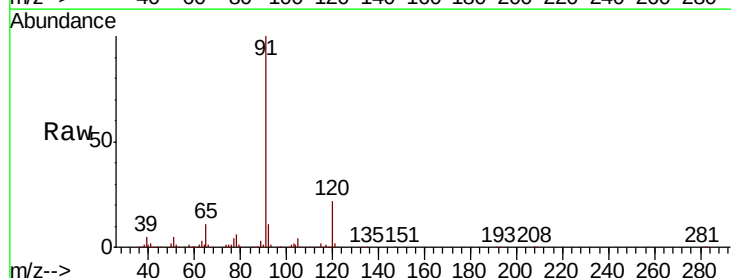
Acq: 11 Nov 2019 12:41

Tgt Ion: 91 Resp: 537114

Ion Ratio Lower Upper

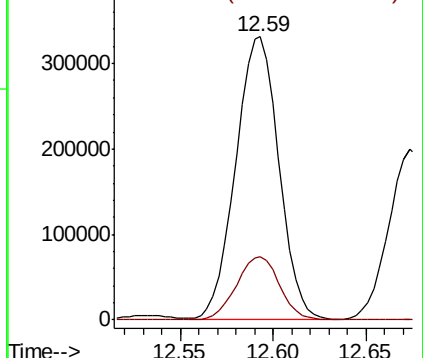
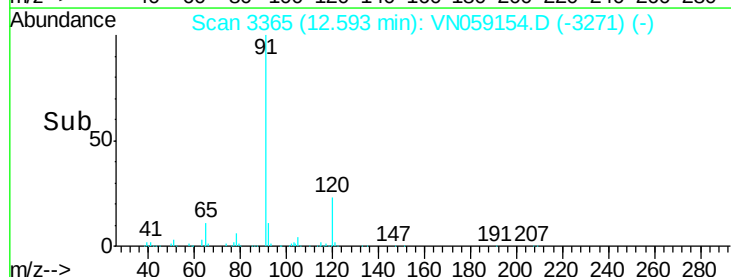
91 100

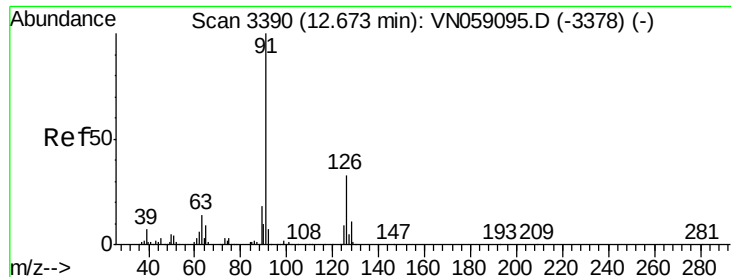
120 22.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.442 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

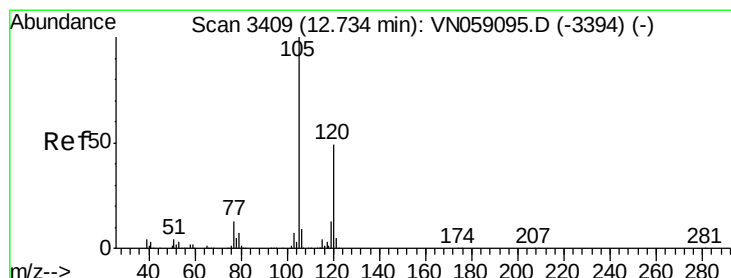
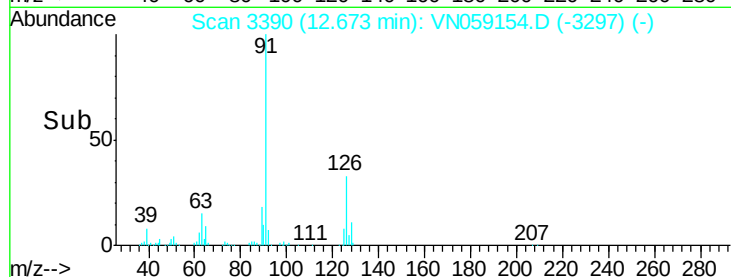
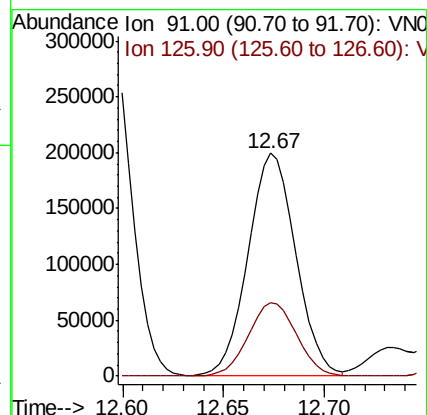
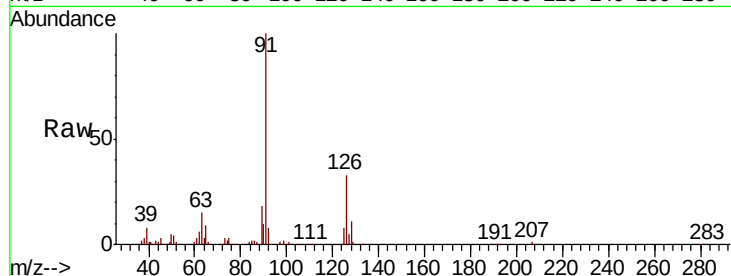
VN1111WBS01

Tot Ion: 91 Resp: 330516

Ion Ratio Lower Upper

91 100

126 33.4 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 21.425 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059154.D

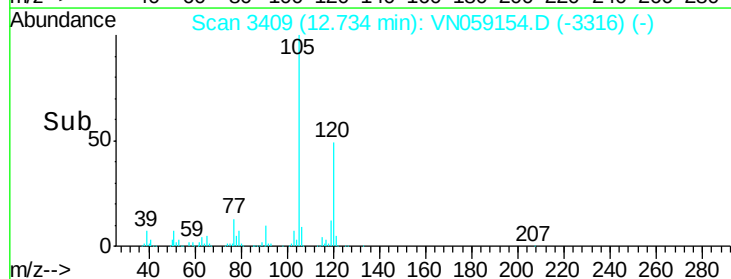
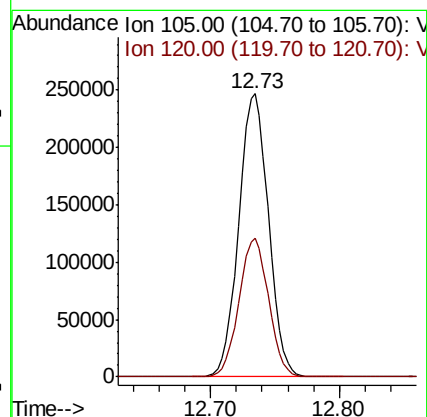
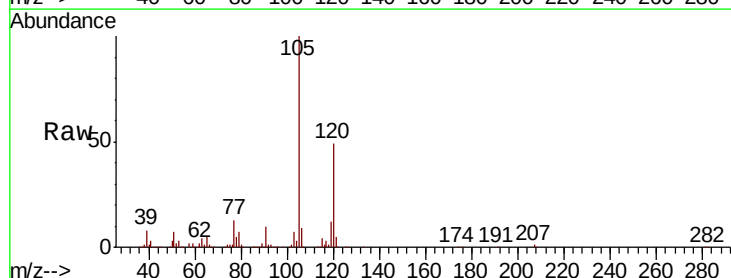
Acq: 11 Nov 2019 12:41

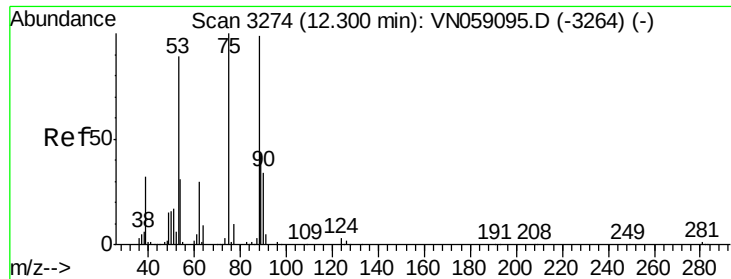
Tgt Ion: 105 Resp: 393969

Ion Ratio Lower Upper

105 100

120 48.9 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.724 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampled :

VN1111WBS01

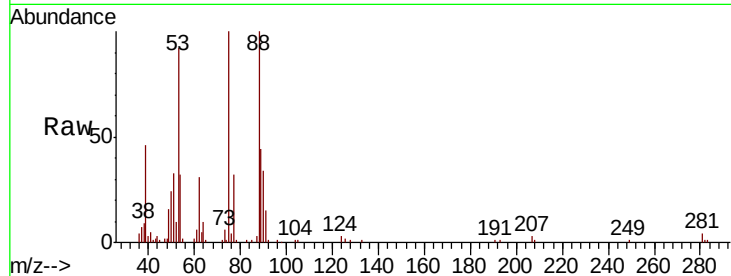
Tot Ion: 75 Resp: 53292

Ion Ratio Lower Upper

75 100

53 96.6 72.2 108.2

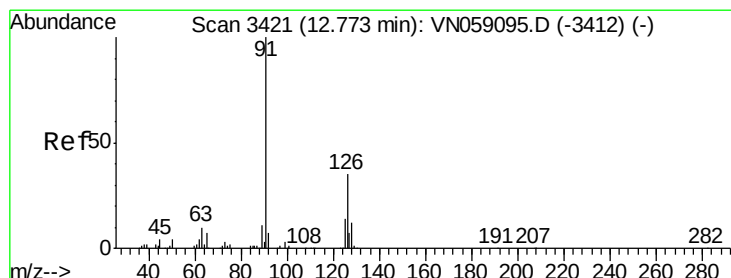
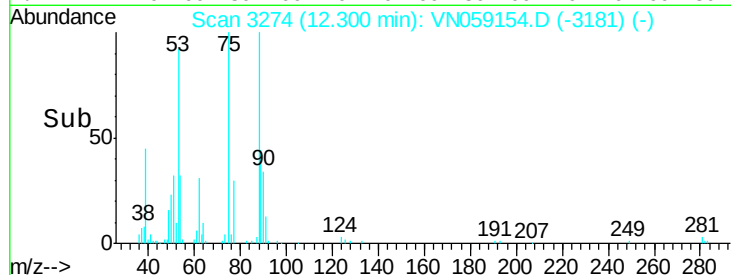
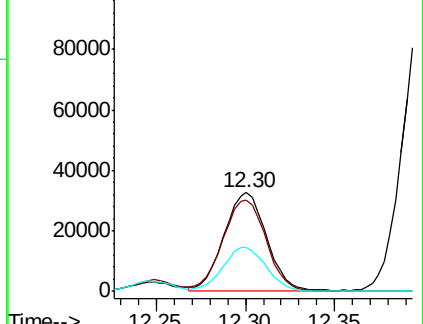
89 46.3 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VN059154.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN059154.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN059154.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 21.296 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059154.D

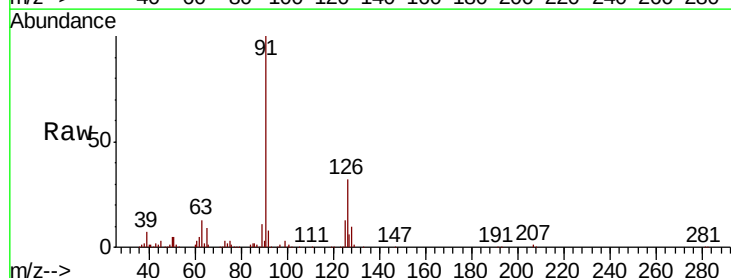
Acq: 11 Nov 2019 12:41

Tgt Ion: 91 Resp: 329246

Ion Ratio Lower Upper

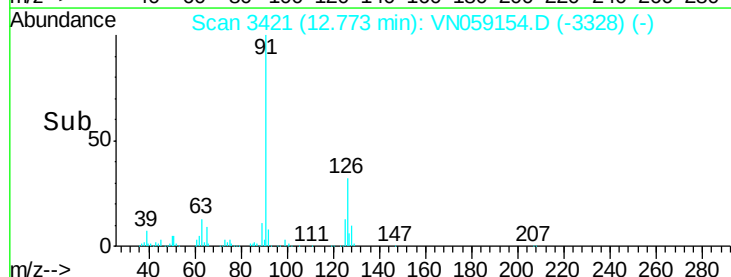
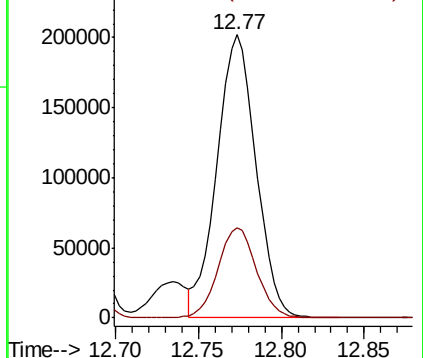
91 100

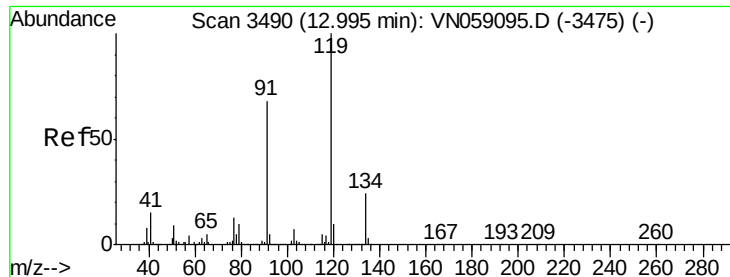
126 31.3 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN059154.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN059154.D (-3328) (-)





#83

tert-Butylbenzene

Concen: 21.594 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampled :

VN1111WBS01

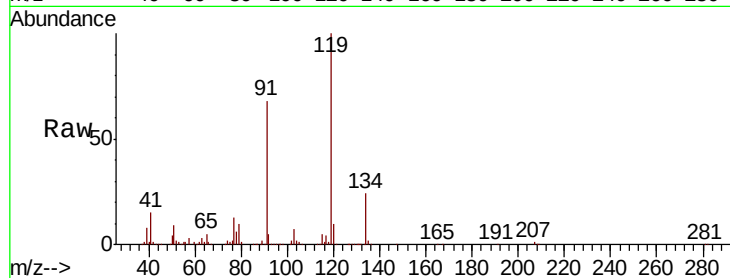
Tot Ion:119 Resp: 342916

Ion Ratio Lower Upper

119 100

91 66.5 33.2 99.6

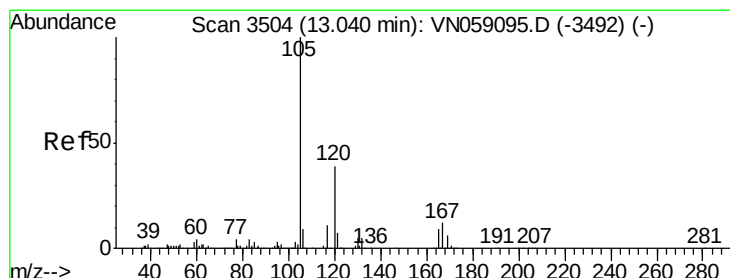
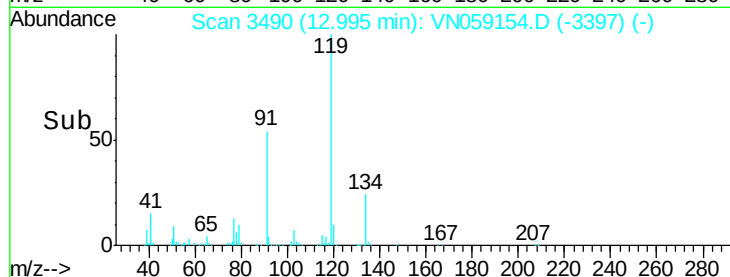
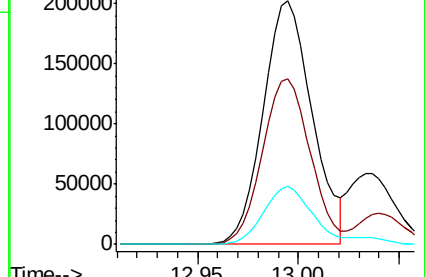
134 25.3 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.656 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059154.D

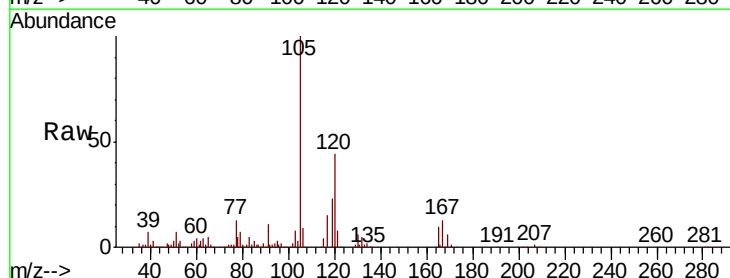
Acq: 11 Nov 2019 12:41

Tgt Ion:105 Resp: 385271

Ion Ratio Lower Upper

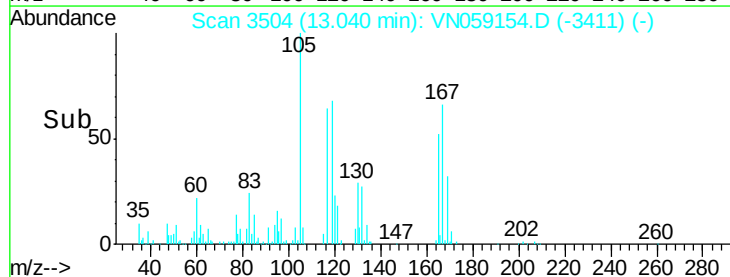
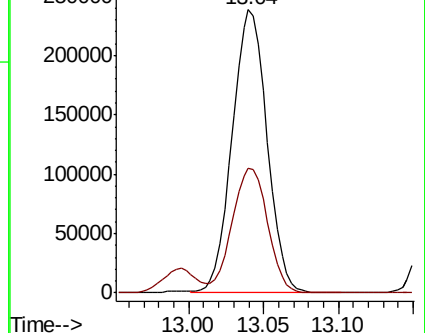
105 100

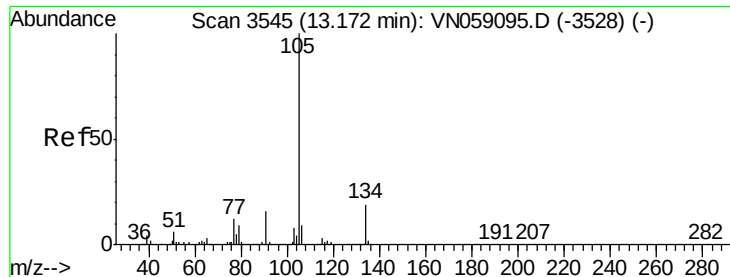
120 45.3 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

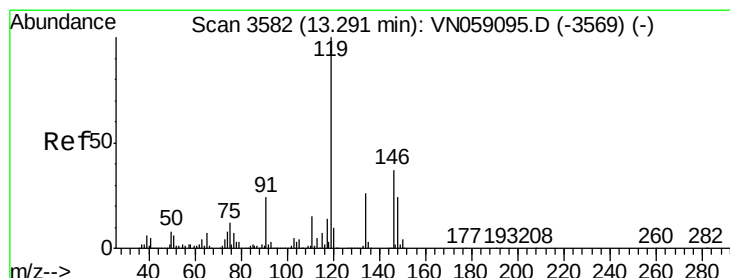
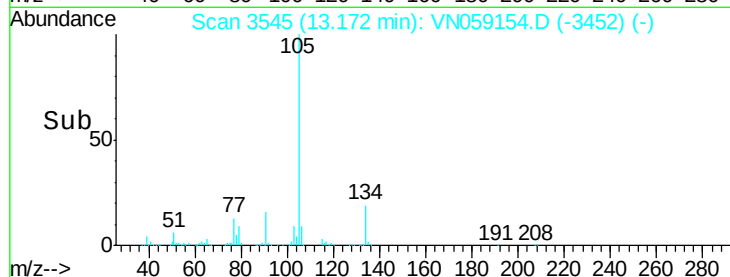
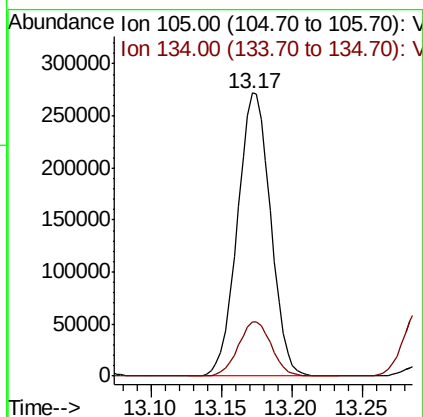
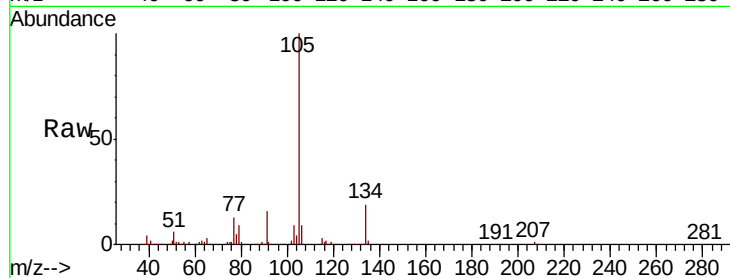




#85
 sec-Butylbenzene
 Concen: 21.594 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

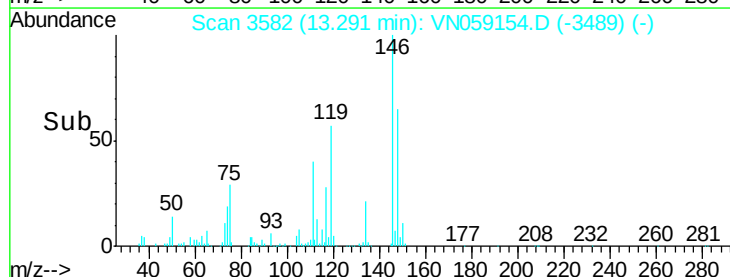
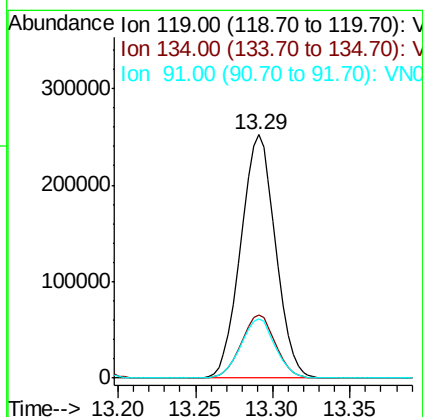
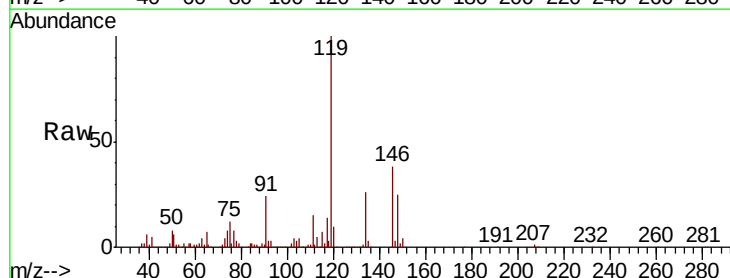
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

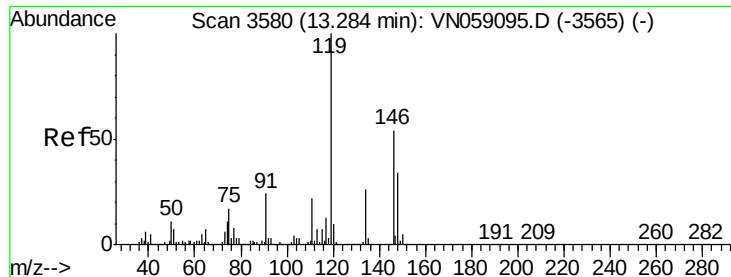
Tot Ion:105 Resp: 445963
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 21.485 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Tgt Ion:119 Resp: 391786
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 38.9
 91 24.1 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 20.657 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

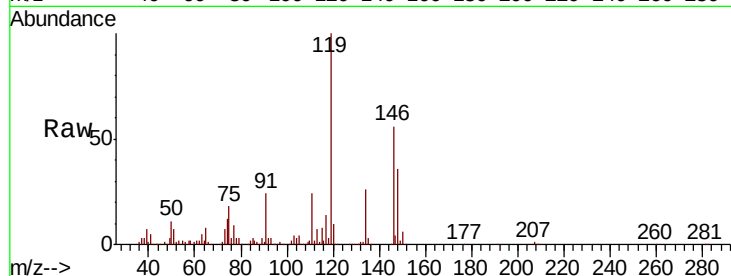
Tot Ion:146 Resp: 192864

Ion Ratio Lower Upper

146 100

111 41.3 20.4 61.3

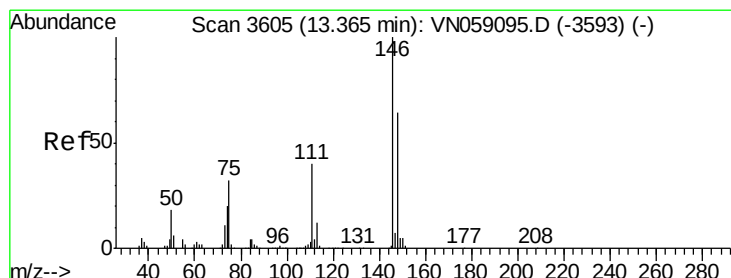
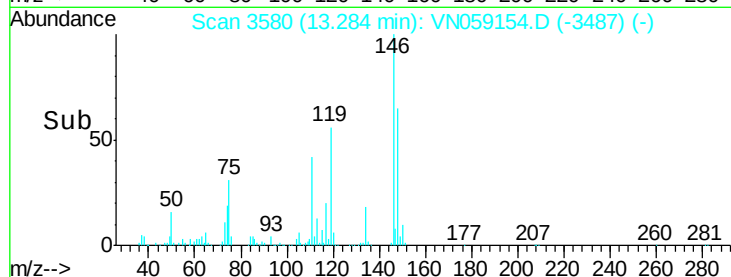
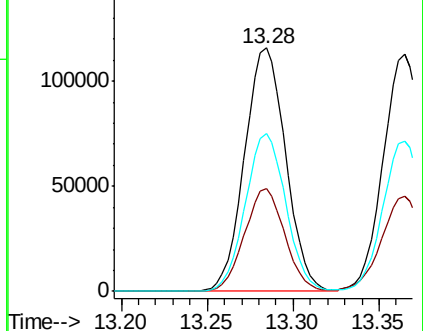
148 63.7 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.278 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

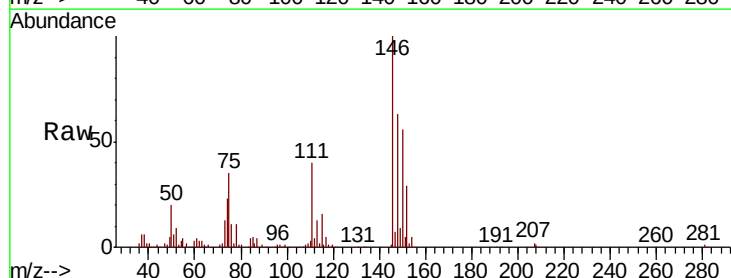
Tgt Ion:146 Resp: 189427

Ion Ratio Lower Upper

146 100

111 41.3 20.3 60.9

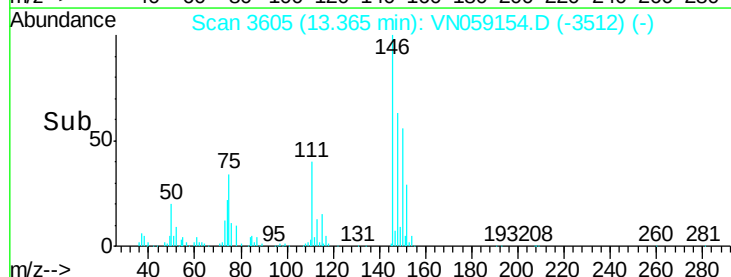
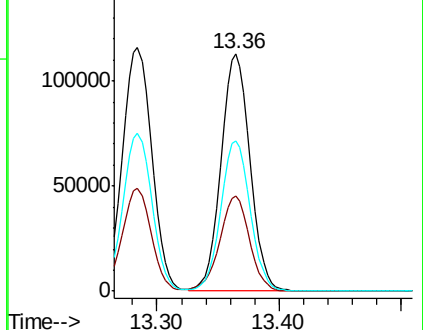
148 63.5 31.9 95.7

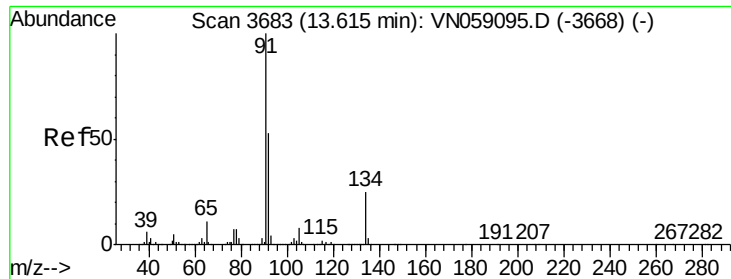


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

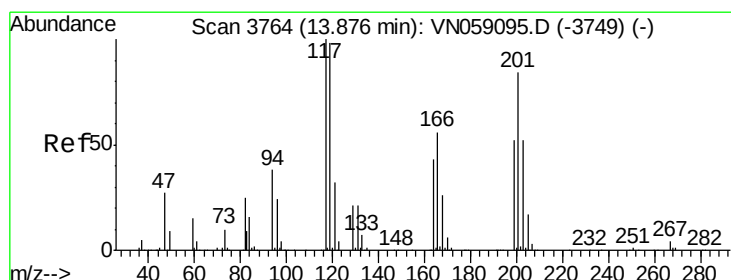
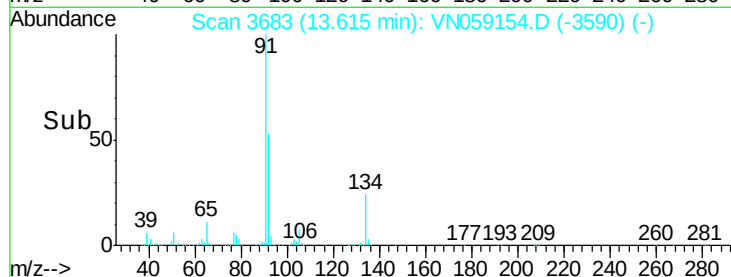
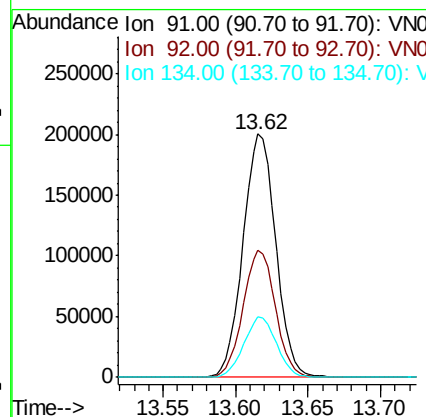
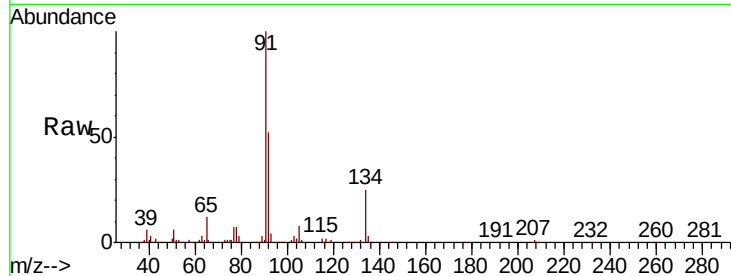




#89
n-Butylbenzene
Concen: 19.704 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

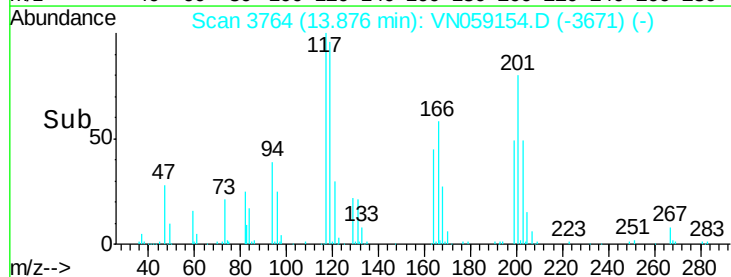
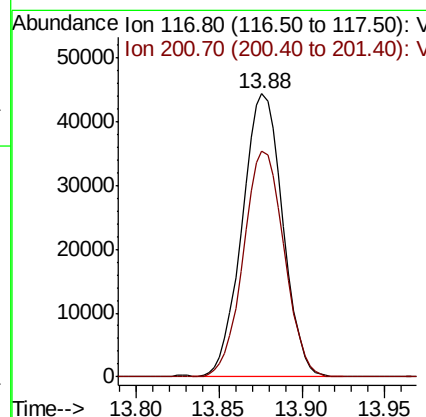
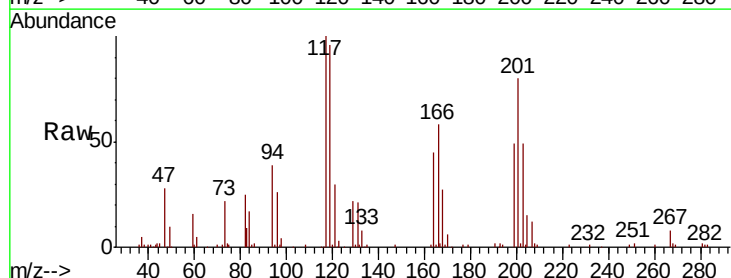
Instrument :
MSVOA_N
ClientSampled :
VN1111WBS01

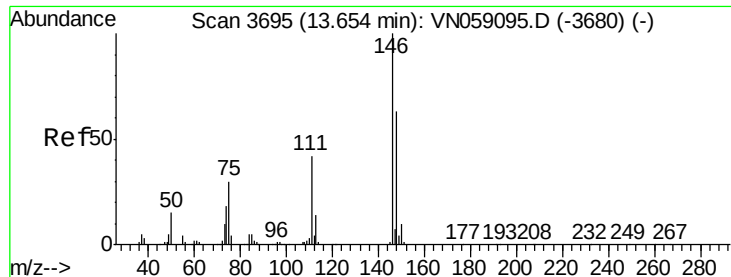
Tot Ion: 91 Resp: 314484
Ion Ratio Lower Upper
91 100
92 51.5 26.1 78.3
134 24.8 12.6 37.8



#90
Hexachloroethane
Concen: 20.602 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion: 117 Resp: 75440
Ion Ratio Lower Upper
117 100
201 80.2 41.8 125.3

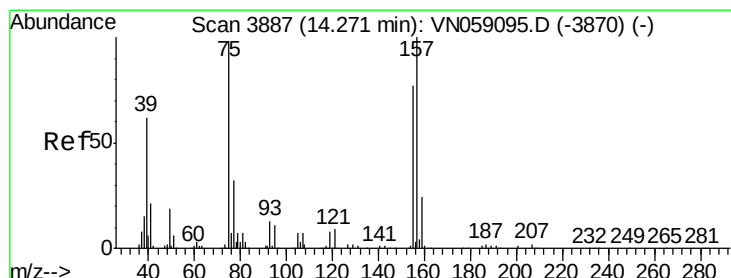
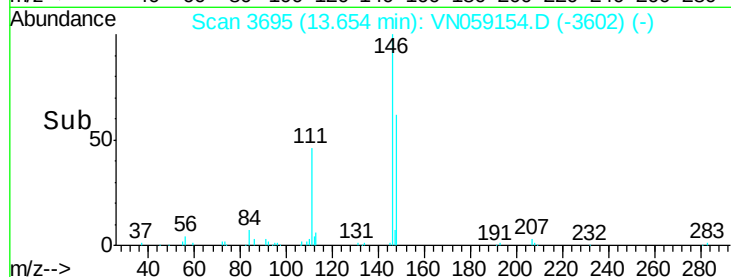
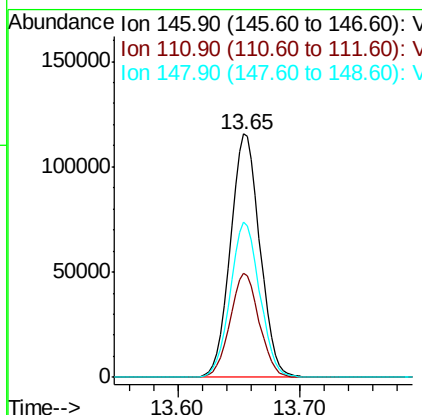
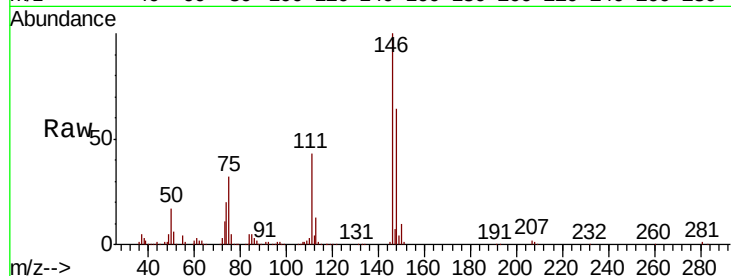




#91
 1,2-Dichlorobenzene
 Concen: 21.136 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

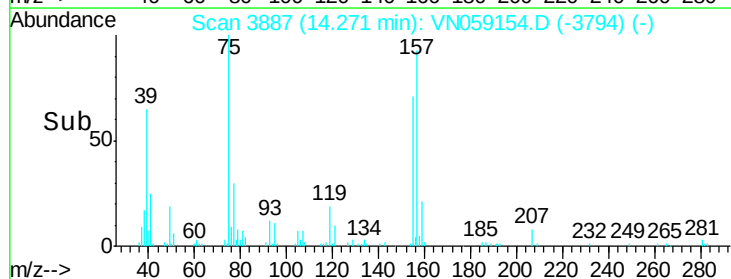
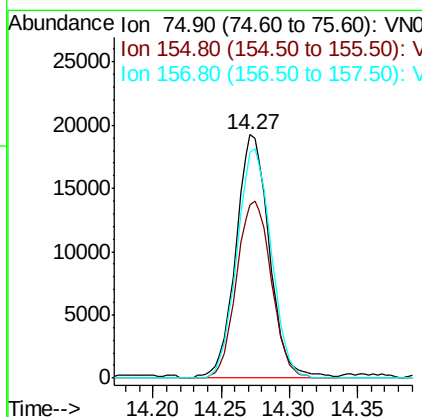
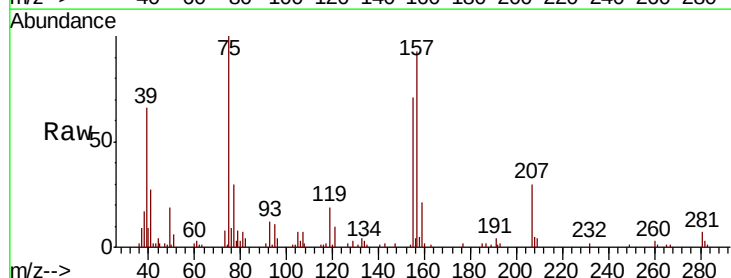
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

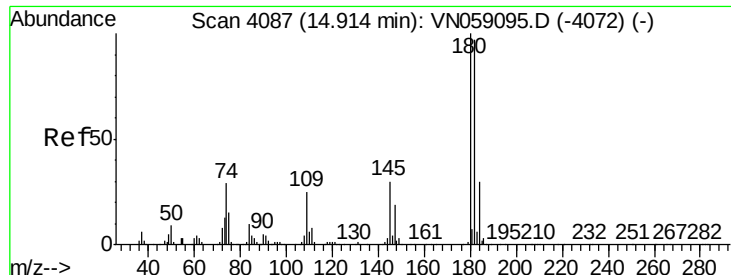
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.2	63.6
148	64.2	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.328 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.1	40.2	120.6
157	95.6	51.8	155.5

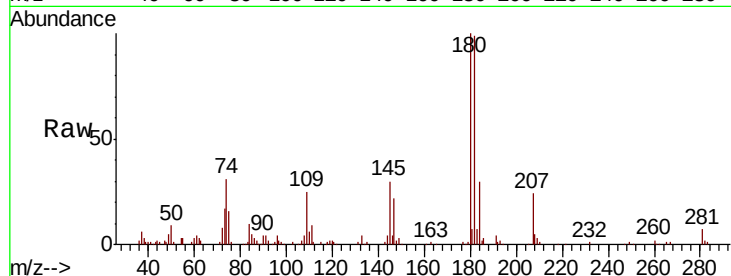




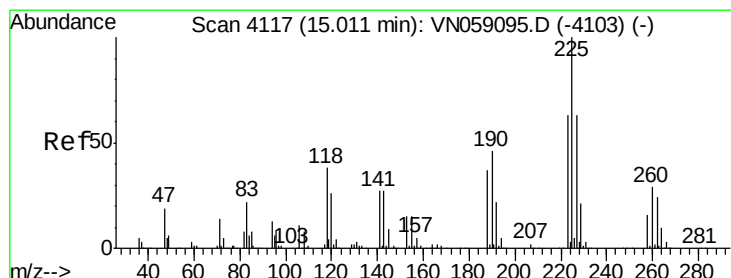
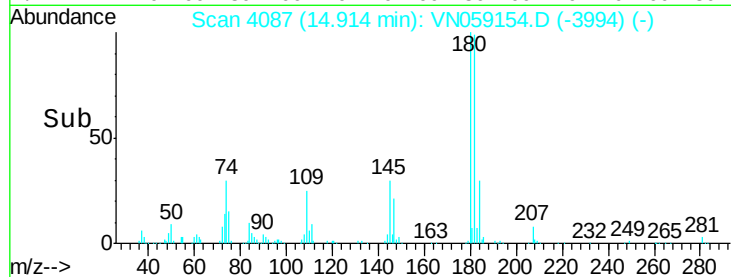
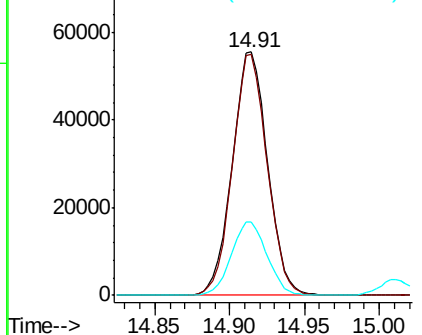
#93
 1,2,4-Trichlorobenzene
 Concen: 18.441 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Tot Ion:180 Resp: 91349
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.1 144.3
 145 30.3 15.1 45.3

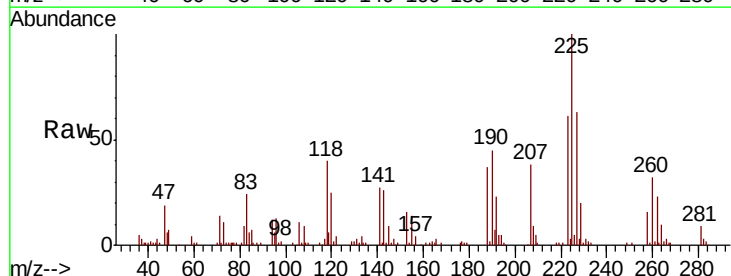


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

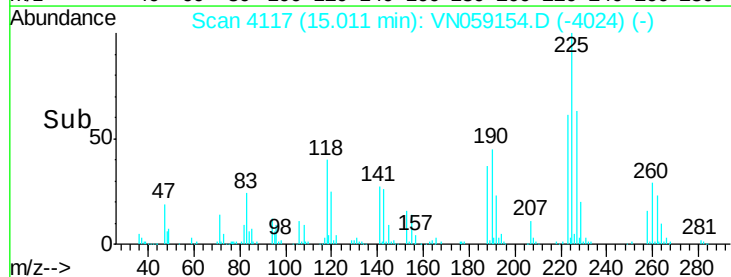
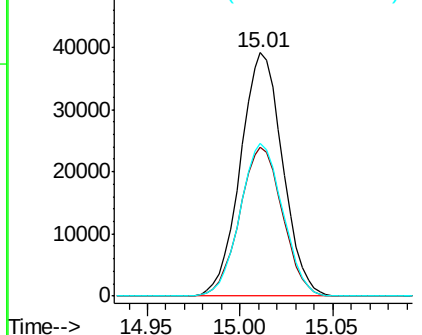


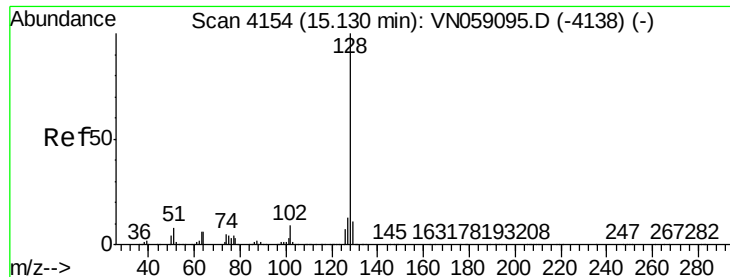
#94
 Hexachlorobutadiene
 Concen: 19.508 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Tgt Ion:225 Resp: 61777
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.3 93.9
 227 63.4 31.5 94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.406 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

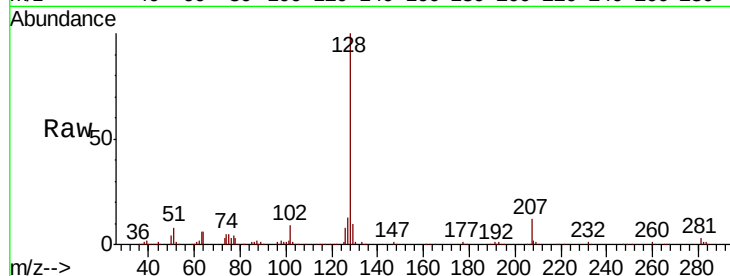
Tot Ion:128 Resp: 252888

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

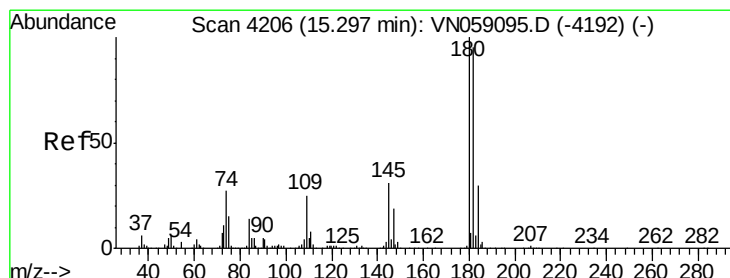
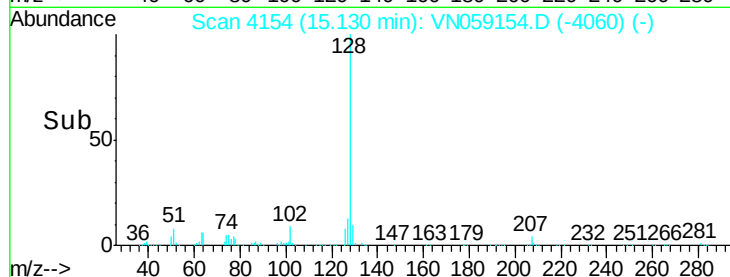
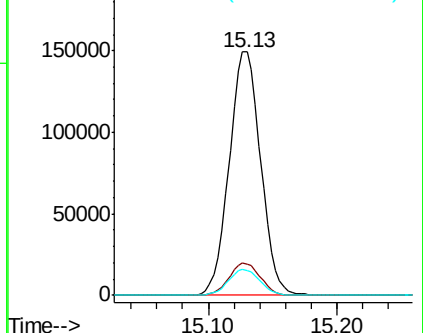
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.987 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

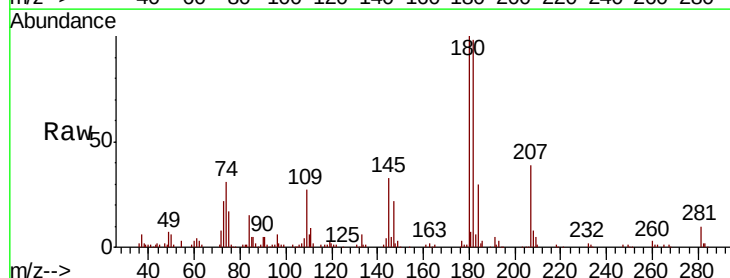
Tgt Ion:180 Resp: 92582

Ion Ratio Lower Upper

180 100

182 97.3 47.3 141.8

145 32.0 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

