

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100219\
 Data File : VN058478.D
 Acq On : 2 Oct 2019 16:38
 Operator : JC/SP
 Sample : VN1002WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Quant Time: Oct 03 05:10:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	336100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	580332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	515707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	236030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	263906	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
35) Dibromofluoromethane	7.57	113	191073	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
50) Toluene-d8	10.08	98	702075	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.41	95	248882	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	76714	20.816	ug/l	98
3) Chloromethane	2.03	50	88746	21.904	ug/l	100
4) Vinyl Chloride	2.17	62	85618	21.572	ug/l	99
5) Bromomethane	2.55	94	45078	21.383	ug/l	98
6) Chloroethane	2.68	64	55005	23.130	ug/l	98
7) Trichlorofluoromethane	3.00	101	103058	21.517	ug/l	98
8) Diethyl Ether	3.39	74	44298	21.436	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70591	21.702	ug/l	96
10) Methyl Iodide	3.93	142	69400	19.241	ug/l	98
11) Tert butyl alcohol	4.76	59	72235	132.387	ug/l	100
12) 1,1-Dichloroethene	3.72	96	66460	20.961	ug/l	99
13) Acrolein	3.59	56	21985	126.682	ug/l	100
14) Allyl chloride	4.30	41	123096	21.334	ug/l	99
15) Acrylonitrile	4.96	53	196060	123.291	ug/l	100
16) Acetone	3.80	43	197661	118.056	ug/l	100
17) Carbon Disulfide	4.03	76	166724	19.948	ug/l	99
18) Methyl Acetate	4.31	43	98577	23.409	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	241457	21.584	ug/l	100
20) Methylene Chloride	4.53	84	79775	20.647	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	75569	21.433	ug/l	93
22) Diisopropyl ether	5.93	45	271669	21.880	ug/l	92
23) Vinyl Acetate	5.87	43	1104548	117.979	ug/l	100
24) 1,1-Dichloroethane	5.83	63	153748	22.002	ug/l	99
25) 2-Butanone	6.82	43	278270	121.052	ug/l	97
26) 2,2-Dichloropropane	6.81	77	118313	20.594	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	86960	21.103	ug/l	99
28) Bromochloromethane	7.18	49	63035	22.567	ug/l	96
29) Tetrahydrofuran	7.19	42	180537	123.740	ug/l	99
30) Chloroform	7.36	83	154925	21.878	ug/l	99
31) Cyclohexane	7.64	56	141378	20.799	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	129935	22.345	ug/l	98
36) 1,1-Dichloropropene	7.78	75	112929	20.351	ug/l	98
37) Ethyl Acetate	6.91	43	117804	25.040	ug/l	99
38) Carbon Tetrachloride	7.76	117	107549	21.472	ug/l	99

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 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	129096	19.922	ug/l	95
40) Benzene	8.03	78	333886	20.932	ug/l	100
41) Methacrylonitrile	7.15	41	49909	23.059	ug/l #	72
42) 1,2-Dichloroethane	8.11	62	133001	21.432	ug/l	100
43) Isopropyl Acetate	8.15	43	181660	20.533	ug/l #	90
44) Trichloroethene	8.82	130	81987	20.817	ug/l	98
45) 1,2-Dichloropropane	9.11	63	92163	21.544	ug/l	96
46) Dibromomethane	9.20	93	60536	22.345	ug/l	94
47) Bromodichloromethane	9.40	83	114816	22.369	ug/l	100
48) Methyl methacrylate	9.19	41	92057	22.852	ug/l	99
49) 1,4-Dioxane	9.19	88	33207	616.476	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	573552	126.210	ug/l	98
52) Toluene	10.15	92	202040	20.124	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	118821	21.268	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	132720	21.401	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	81640	22.332	ug/l	98
56) Ethyl methacrylate	10.43	69	121590	21.919	ug/l	100
57) 1,3-Dichloropropane	10.71	76	145403	22.299	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	234384	105.965	ug/l	100
59) 2-Hexanone	10.75	43	409044	123.615	ug/l	99
60) Dibromochloromethane	10.90	129	78356	20.371	ug/l	98
61) 1,2-Dibromoethane	11.00	107	81609	21.848	ug/l	98
64) Tetrachloroethene	10.63	164	67979	20.748	ug/l	99
65) Chlorobenzene	11.44	112	211822	20.663	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	74590	21.596	ug/l	99
67) Ethyl Benzene	11.51	91	394382	21.240	ug/l	98
68) m/p-Xylenes	11.63	106	279573	40.020	ug/l	94
69) o-Xylene	11.95	106	136945	20.364	ug/l	97
70) Styrene	11.97	104	231854	21.222	ug/l	99
71) Bromoform	12.13	173	47322	20.246	ug/l #	100
73) Isopropylbenzene	12.26	105	375438	21.523	ug/l	99
74) N-amyl acetate	12.08	43	151802	21.875	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	120100	23.284	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	144491	33.516	ug/l #	100
77) Bromobenzene	12.53	156	84091	20.560	ug/l	93
78) n-propylbenzene	12.60	91	436659	22.220	ug/l	99
79) 2-Chlorotoluene	12.68	91	255638	21.075	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	315333	21.596	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.31	75	28987	20.421	ug/l	91
82) 4-Chlorotoluene	12.78	91	261763	21.149	ug/l	100
83) tert-Butylbenzene	13.00	119	266838	21.657	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	310947	21.255	ug/l	100
85) sec-Butylbenzene	13.18	105	361476	22.290	ug/l	100
86) p-Isopropyltoluene	13.30	119	317405	22.235	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	149591	20.170	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	146259	19.822	ug/l	97
89) n-Butylbenzene	13.62	91	276995	21.421	ug/l	99
90) Hexachloroethane	13.88	117	50174	23.394	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	151872	21.313	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	21586	23.732	ug/l	94

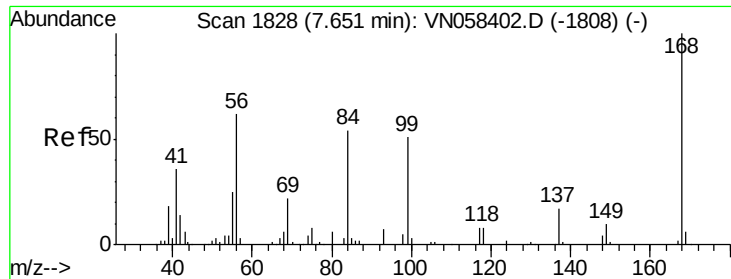
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Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	81820	20.779	ug/l	100
94) Hexachlorobutadiene	15.02	225	43866	21.674	ug/l	97
95) Naphthalene	15.14	128	221779	19.214	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	79909	20.226	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

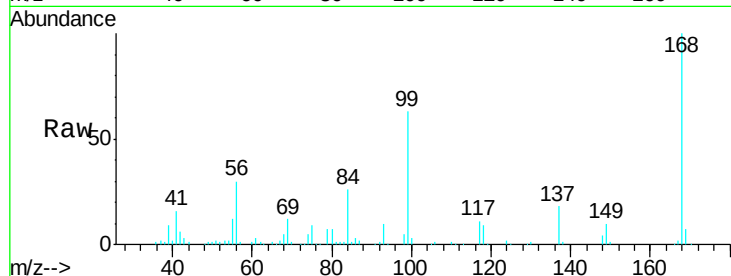
VN1002WBS01

Tgt Ion:168 Resp: 336100

Ion Ratio Lower Upper

168 100

99 62.3 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

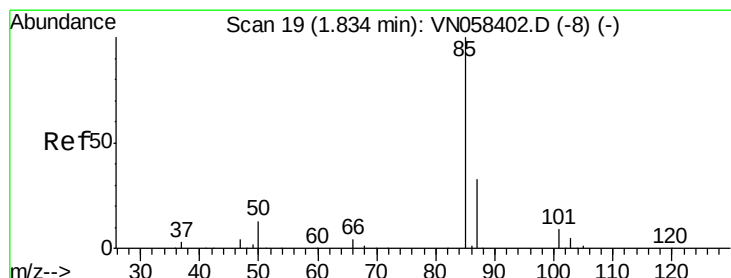
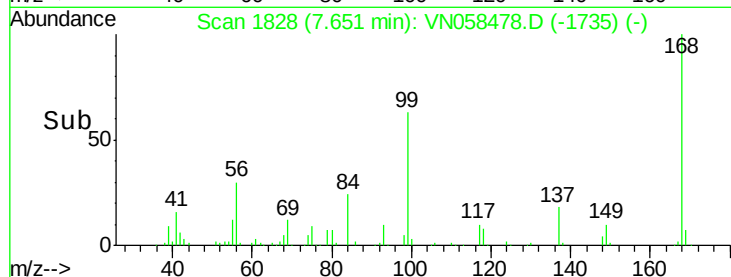
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.816 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058478.D

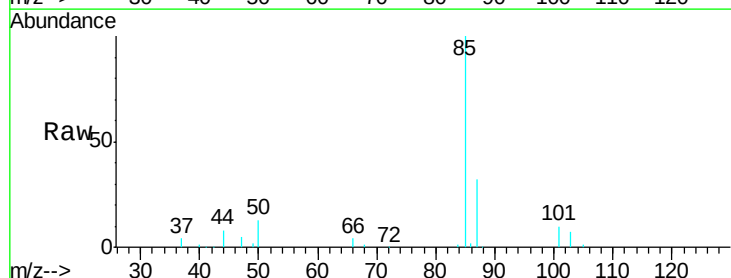
Acq: 2 Oct 2019 16:38

Tgt Ion: 85 Resp: 76714

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

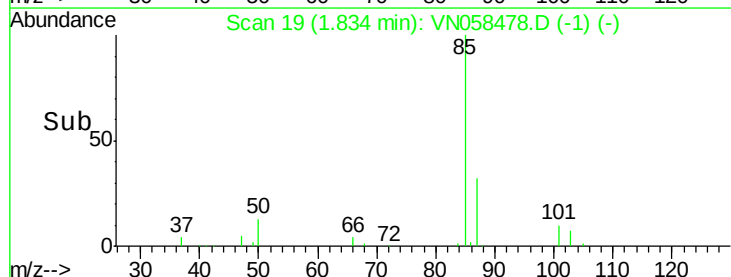
20000

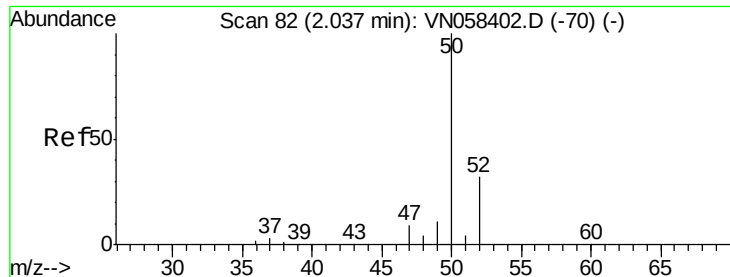
10000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.904 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampled :

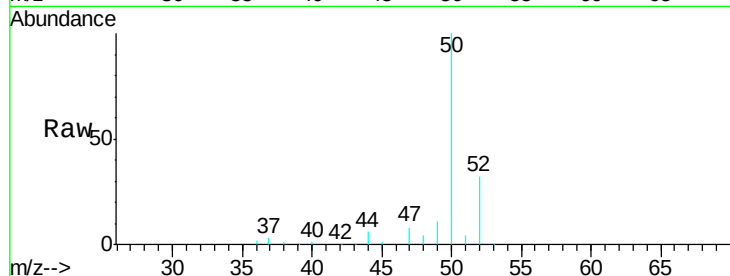
VN1002WBS01

Tgt Ion: 50 Resp: 88746

Ion Ratio Lower Upper

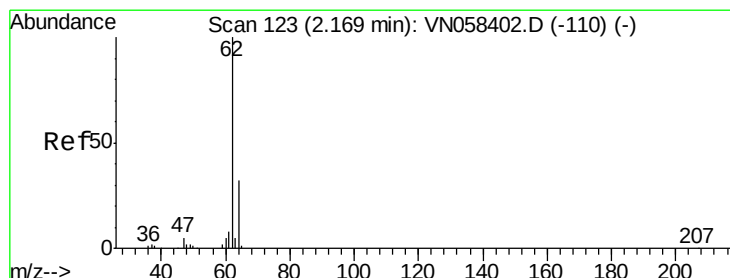
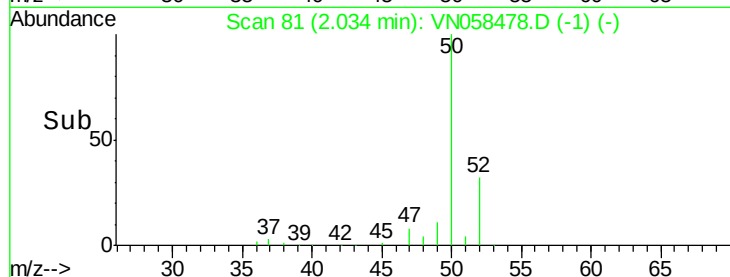
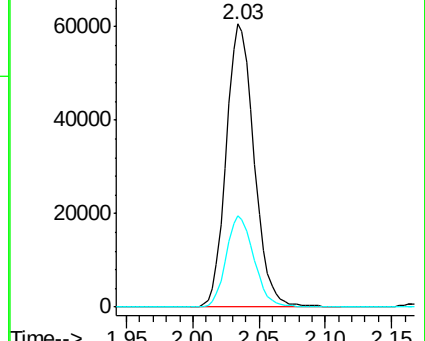
50 100

52 32.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 21.572 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058478.D

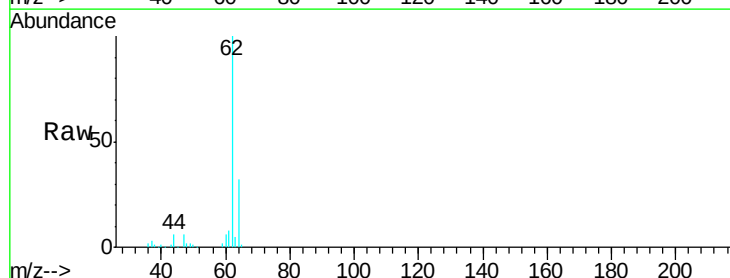
Acq: 2 Oct 2019 16:38

Tgt Ion: 62 Resp: 85618

Ion Ratio Lower Upper

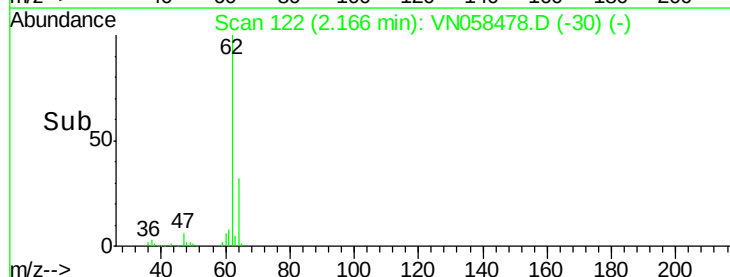
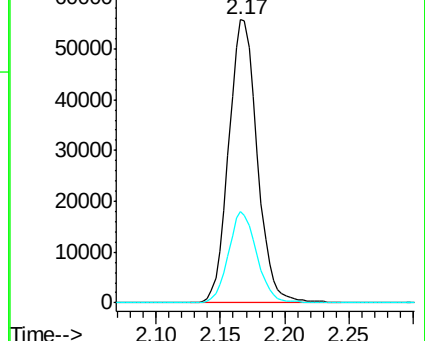
62 100

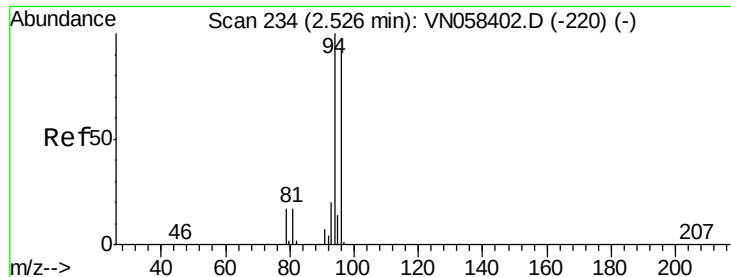
64 32.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 21.383 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

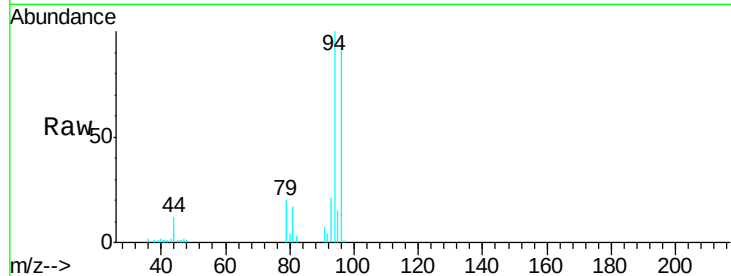
VN1002WBS01

Tgt Ion: 94 Resp: 45078

Ion Ratio Lower Upper

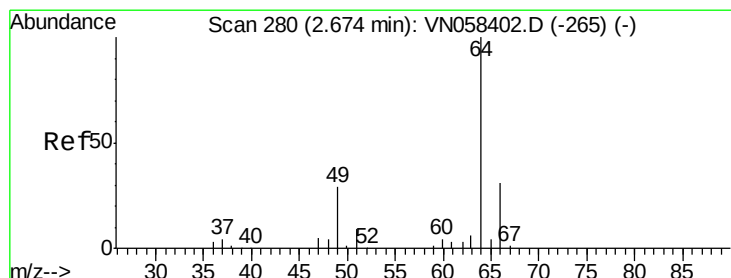
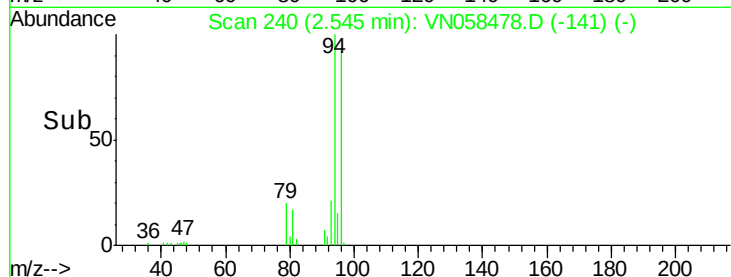
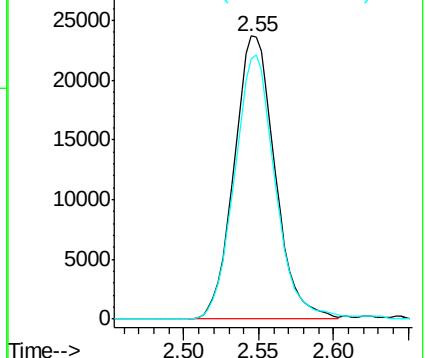
94 100

96 91.9 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 23.130 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058478.D

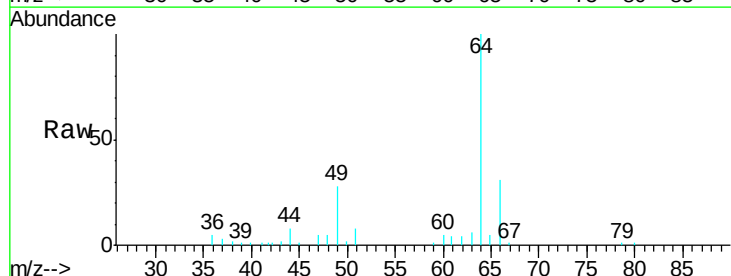
Acq: 2 Oct 2019 16:38

Tgt Ion: 64 Resp: 55005

Ion Ratio Lower Upper

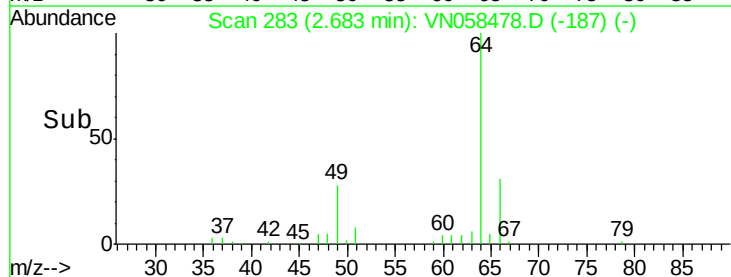
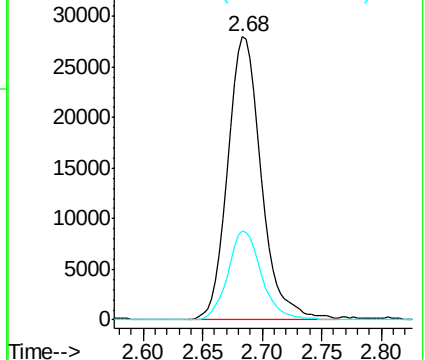
64 100

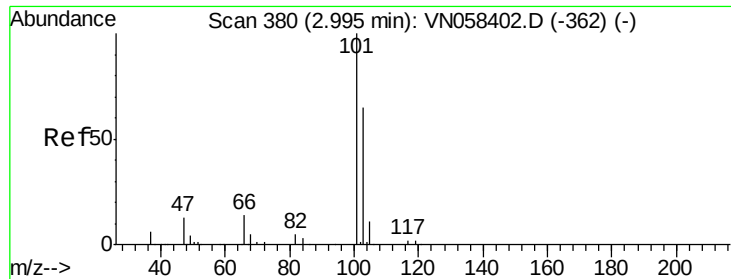
66 31.4 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



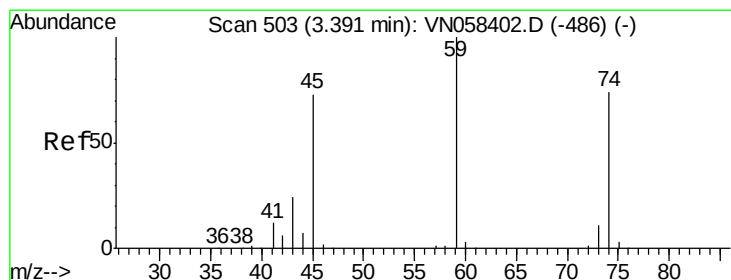
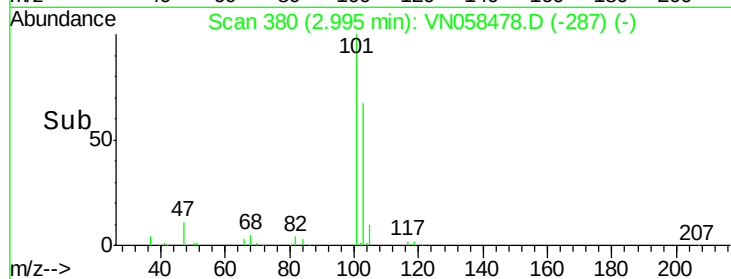
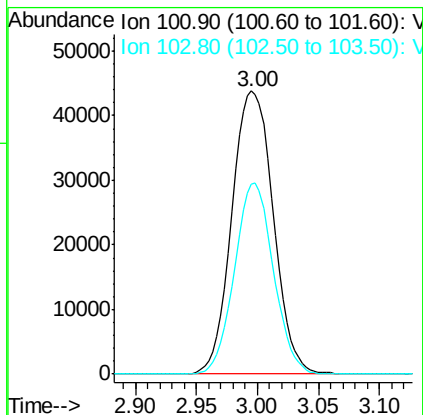
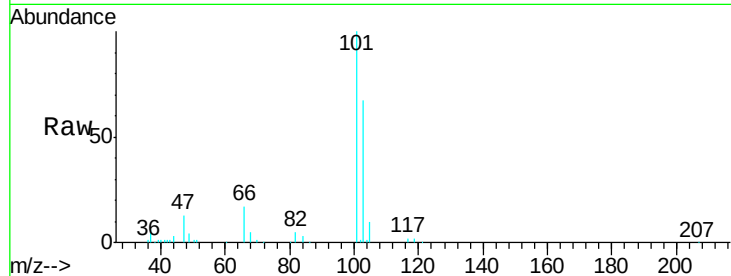


#7

Trichlorofluoromethane
 Concen: 21.517 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Instrument :
 MSVOA_N
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 VN1002WBS01

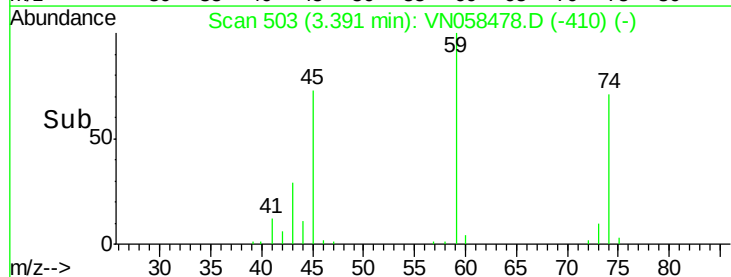
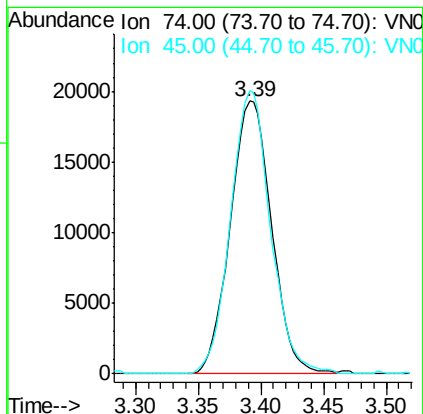
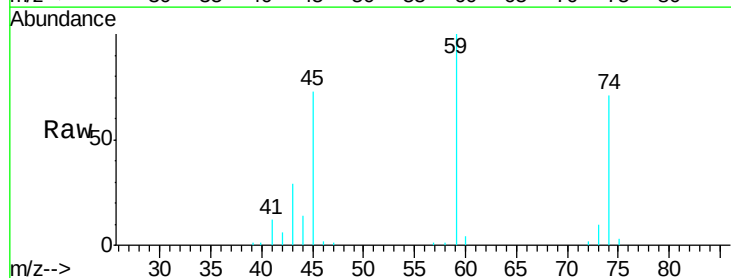
Tgt Ion:101 Resp: 103058
 Ion Ratio Lower Upper
 101 100
 103 67.0 52.3 78.5

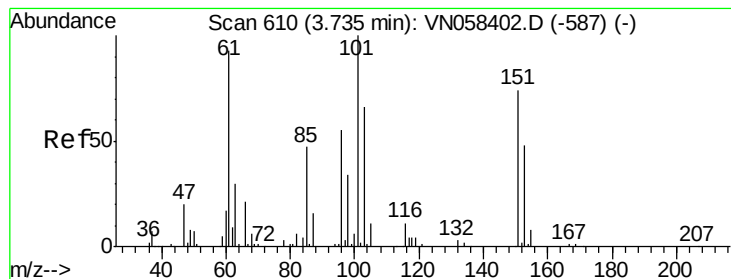


#8

Diethyl Ether
 Concen: 21.436 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion: 74 Resp: 44298
 Ion Ratio Lower Upper
 74 100
 45 100.6 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.702 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

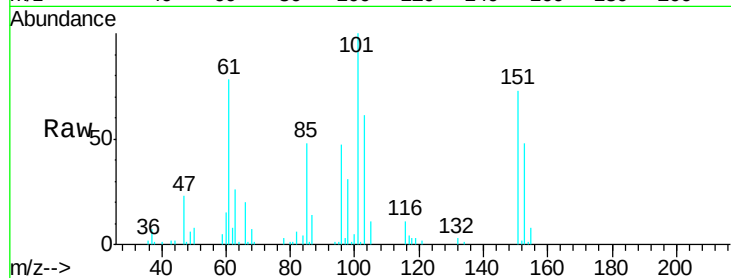
Tgt Ion:101 Resp: 70591

Ion Ratio Lower Upper

101 100

85 47.9 36.7 55.1

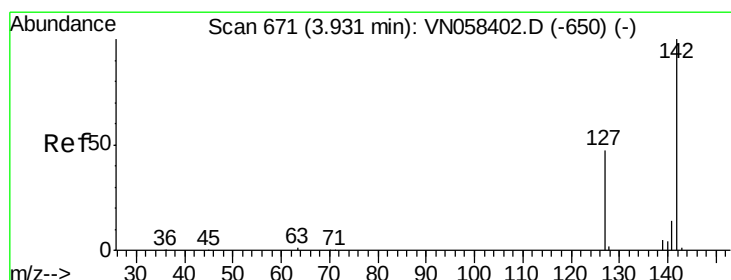
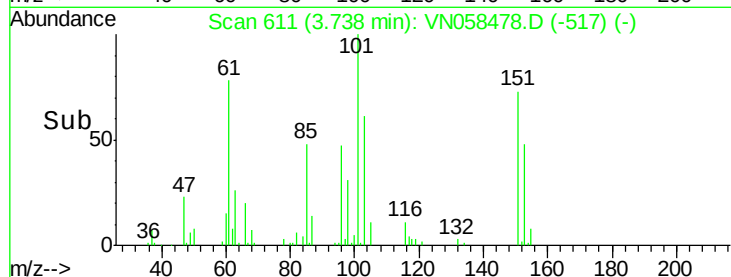
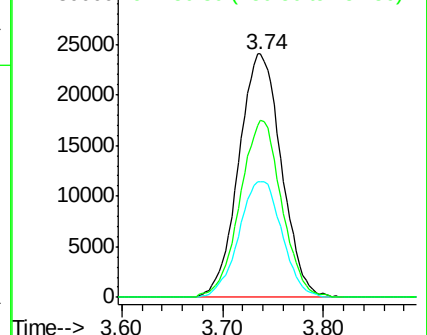
151 70.9 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.241 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

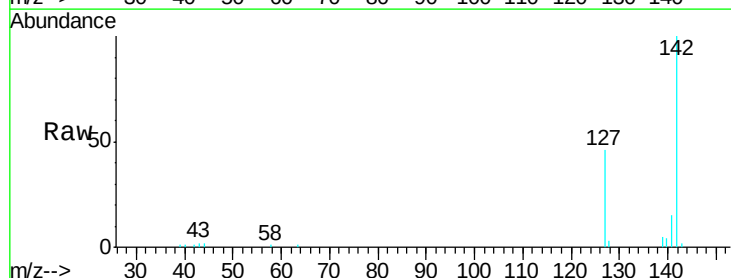
Tgt Ion:142 Resp: 69400

Ion Ratio Lower Upper

142 100

127 47.8 37.2 55.8

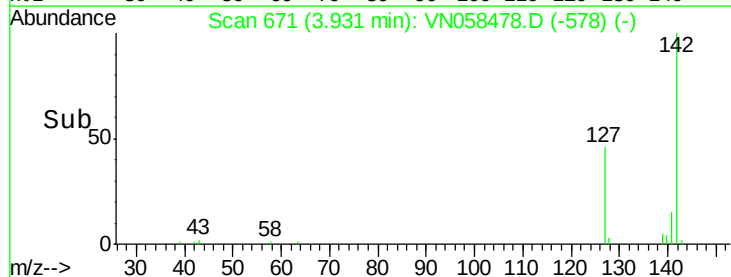
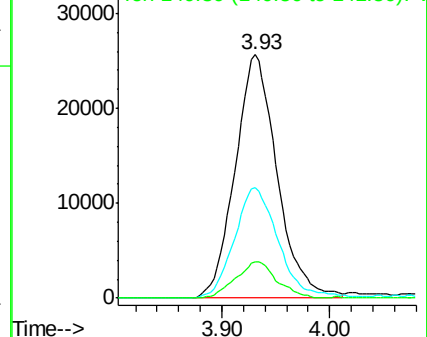
141 14.7 11.3 16.9

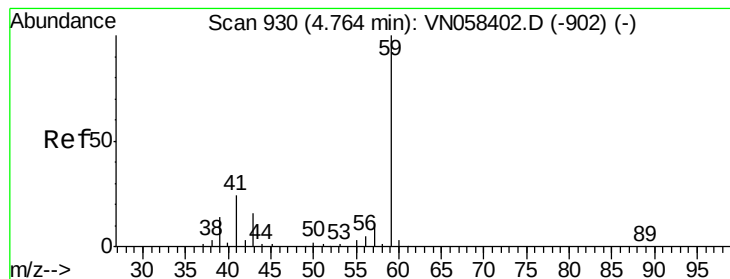


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



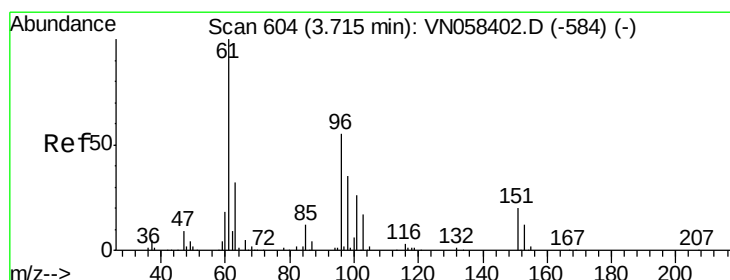
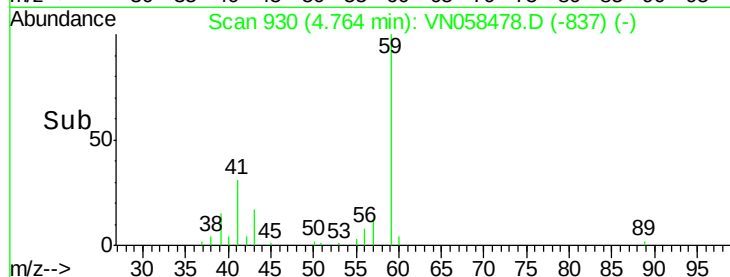
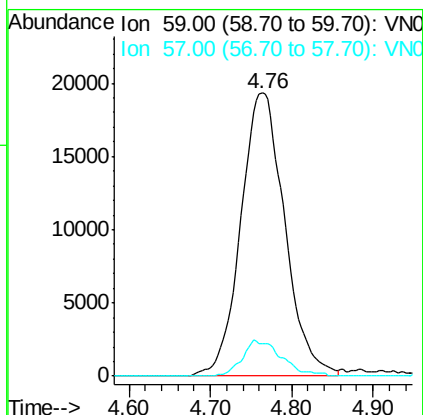
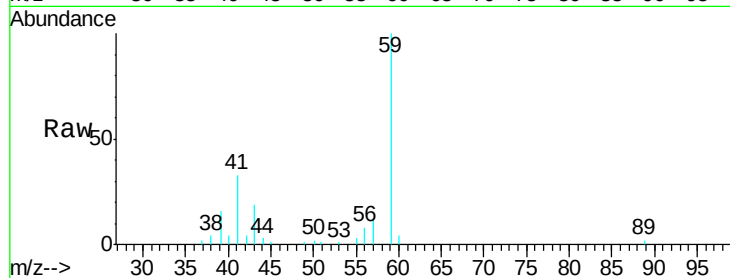


#11

Tert butyl alcohol
 Concen: 132.387 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

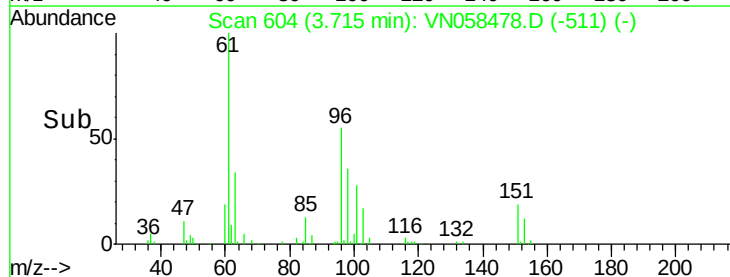
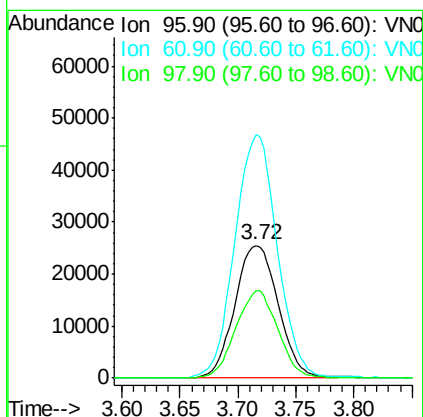
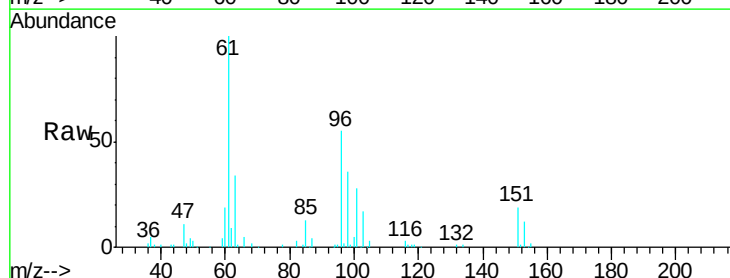
Tgt Ion: 59 Resp: 72235
 Ion Ratio Lower Upper
 59 100
 57 11.4 9.0 13.4

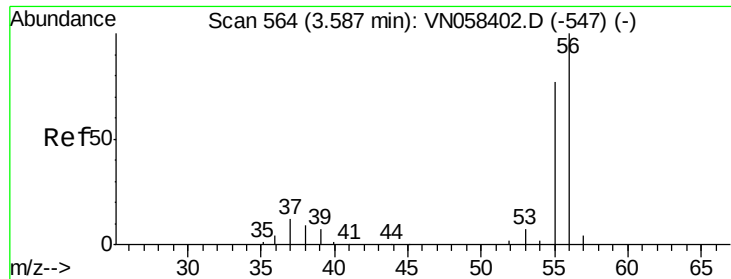


#12

1,1-Dichloroethene
 Concen: 20.961 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion: 96 Resp: 66460
 Ion Ratio Lower Upper
 96 100
 61 182.6 146.7 220.1
 98 65.7 51.3 76.9





#13

Acrolein

Concen: 126.682 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

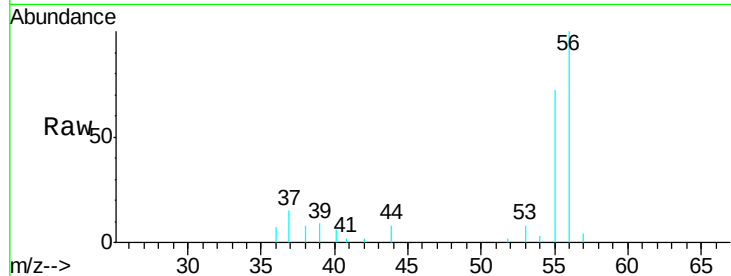
VN1002WBS01

Tgt Ion: 56 Resp: 21985

Ion Ratio Lower Upper

56 100

55 72.9 58.3 87.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

8000

6000

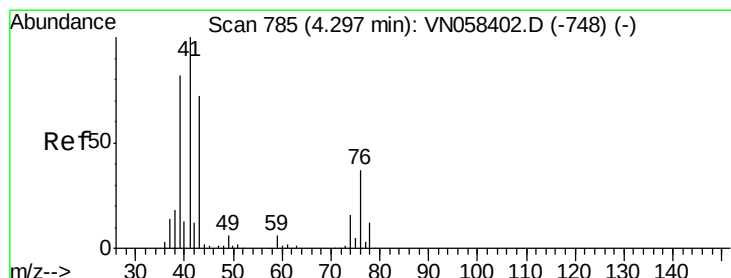
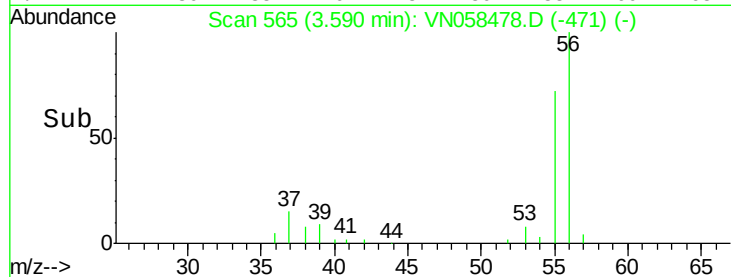
4000

2000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 21.334 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

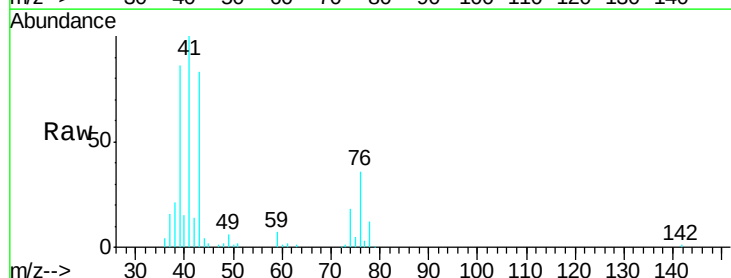
Tgt Ion: 41 Resp: 123096

Ion Ratio Lower Upper

41 100

39 77.8 62.3 93.5

76 32.4 26.9 40.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.30

50000

40000

30000

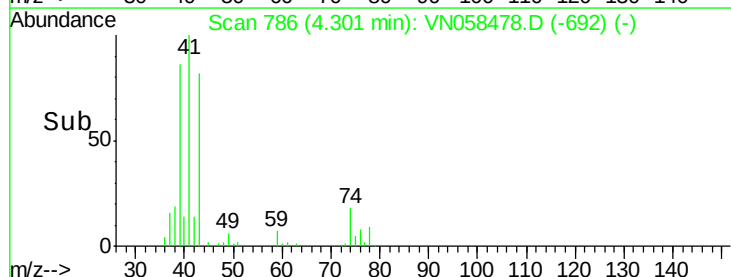
20000

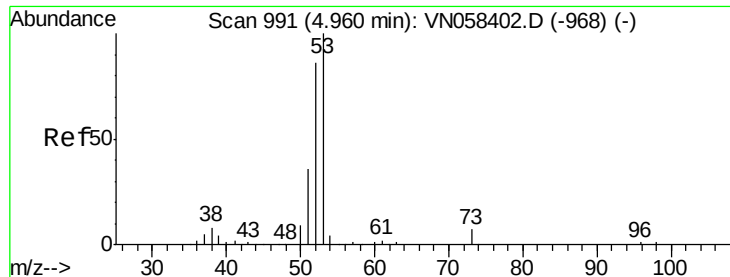
10000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 123.291 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

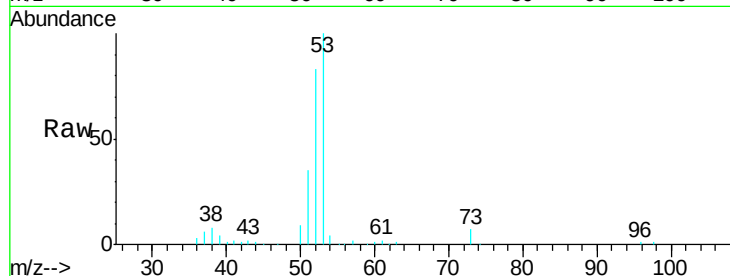
Tgt Ion: 53 Resp: 196060

Ion Ratio Lower Upper

53 100

52 83.3 66.6 100.0

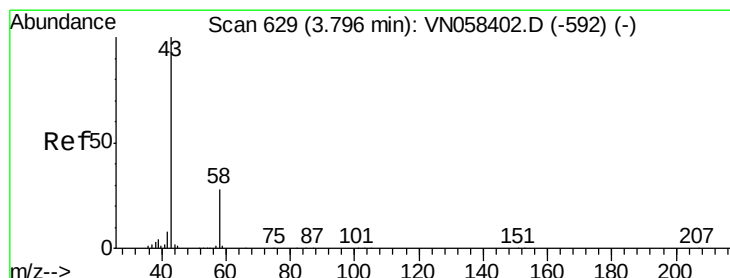
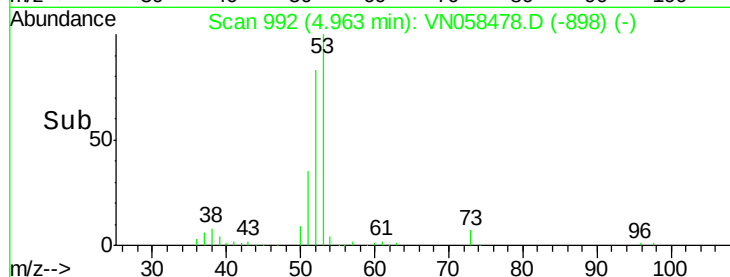
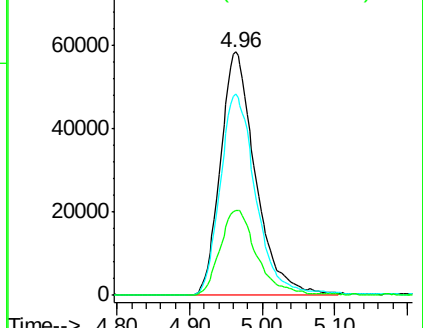
51 36.9 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN058402.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN058402.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN058402.D (-968) (-)



#16

Acetone

Concen: 118.056 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058478.D

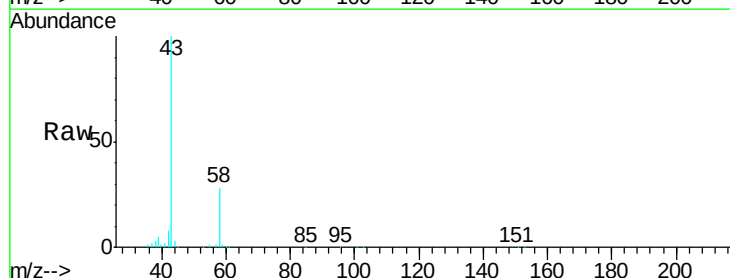
Acq: 2 Oct 2019 16:38

Tgt Ion: 43 Resp: 197661

Ion Ratio Lower Upper

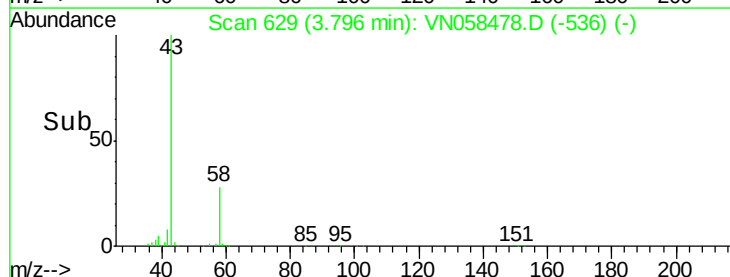
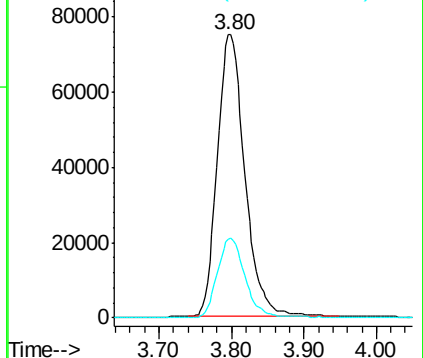
43 100

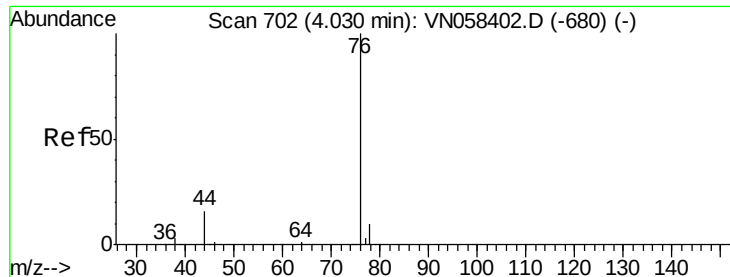
58 28.0 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058402.D (-592) (-)

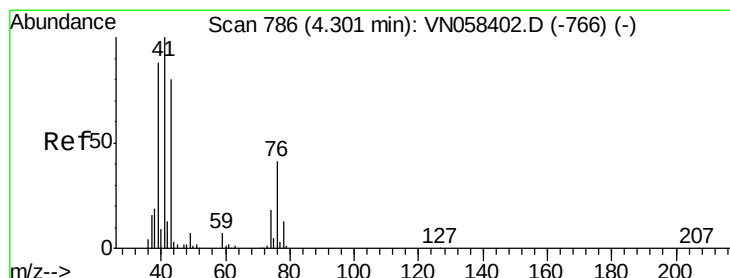
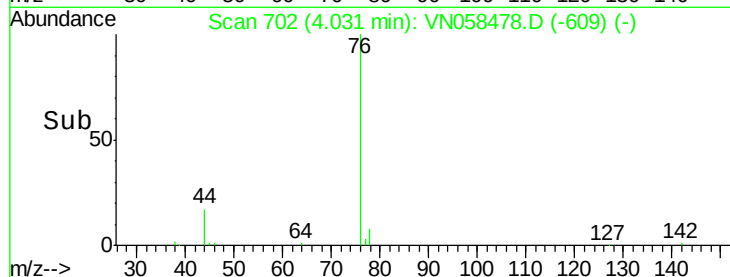
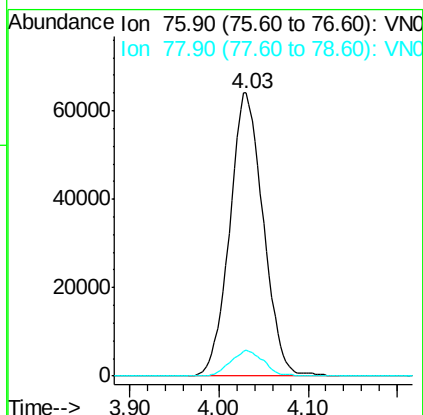
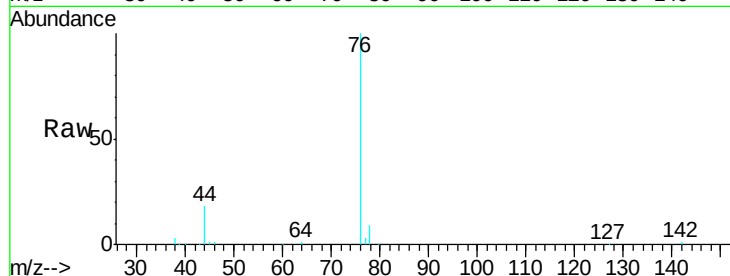




#17
Carbon Disulfide
Concen: 19.948 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

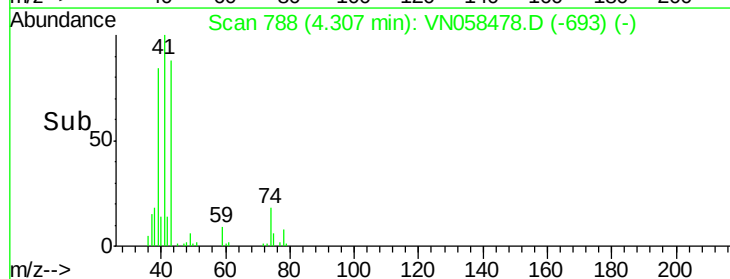
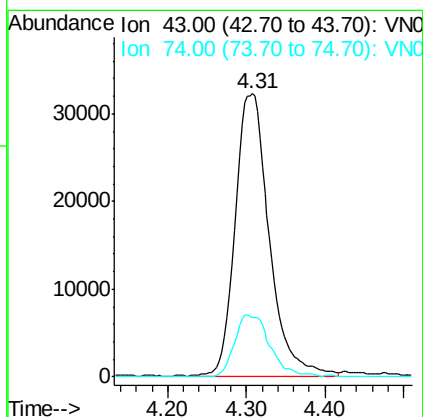
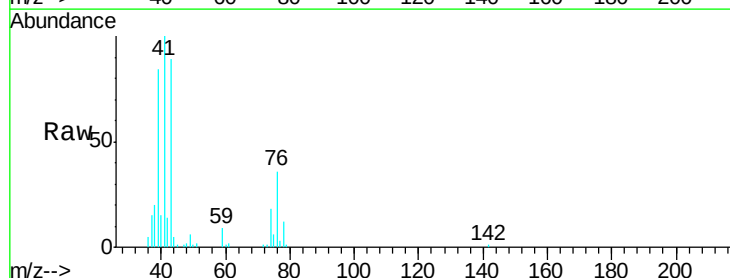
Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

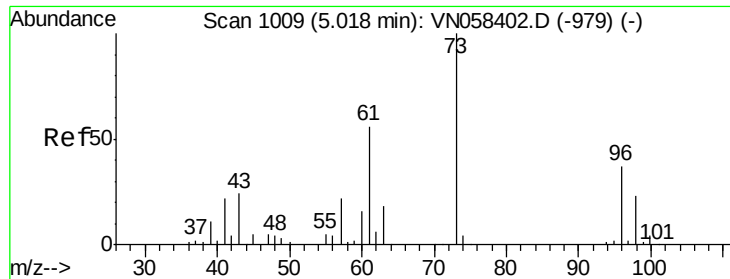
Tgt Ion: 76 Resp: 166724
Ion Ratio Lower Upper
76 100
78 9.1 7.7 11.5



#18
Methyl Acetate
Concen: 23.409 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion: 43 Resp: 98577
Ion Ratio Lower Upper
43 100
74 22.2 18.0 27.0

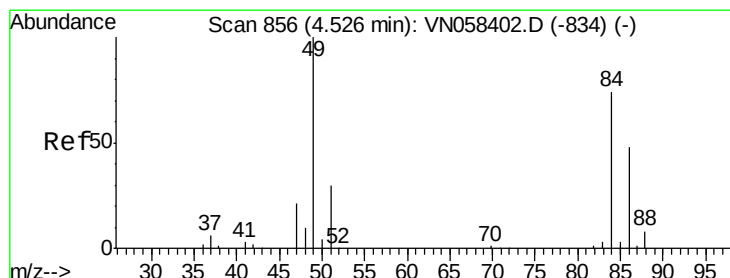
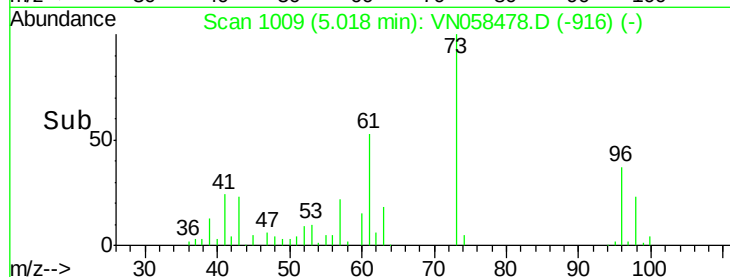
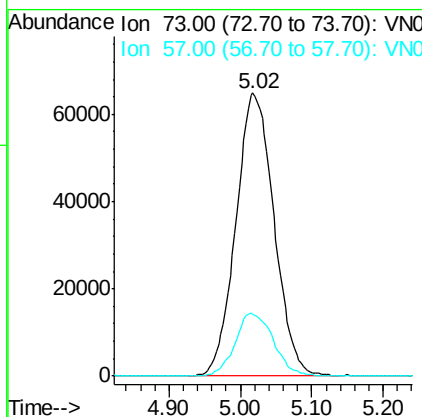
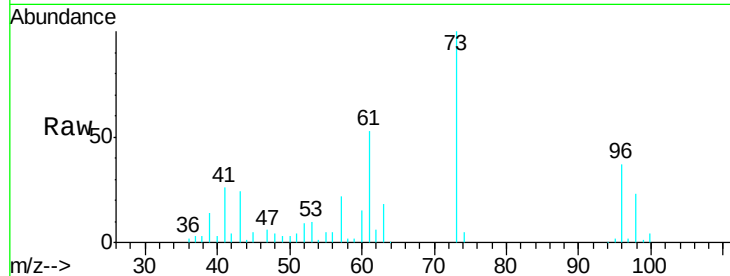




#19
Methyl tert-butyl Ether
Concen: 21.584 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

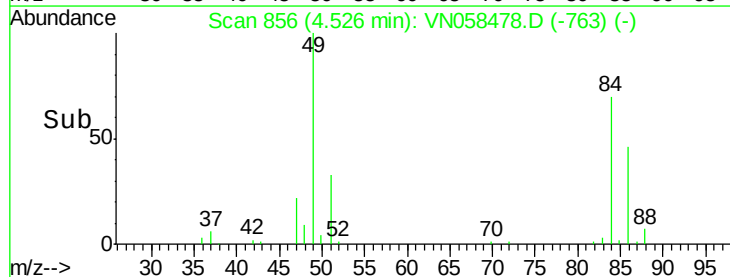
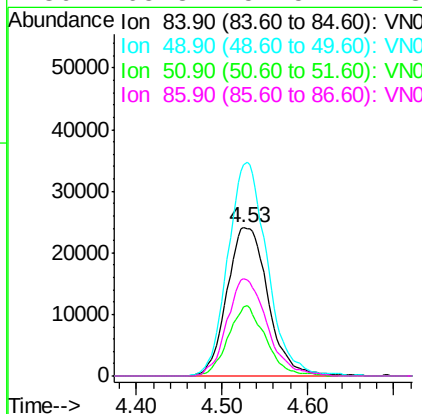
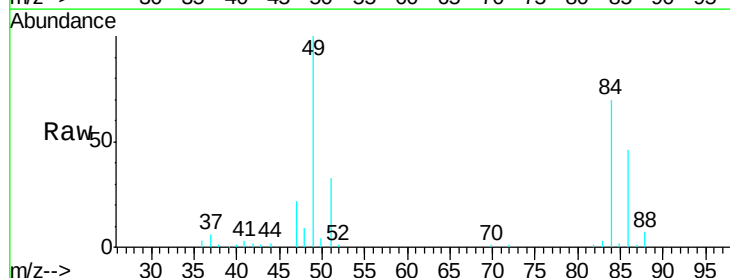
Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

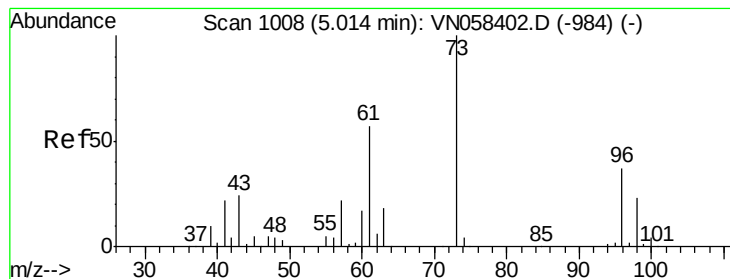
Tgt Ion: 73 Resp: 241457
Ion Ratio Lower Upper
73 100
57 21.9 17.6 26.4



#20
Methylene Chloride
Concen: 20.647 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion: 84 Resp: 79775
Ion Ratio Lower Upper
84 100
49 142.4 107.9 161.9
51 46.5 32.8 49.2
86 65.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 21.433 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampled :

VN1002WBS01

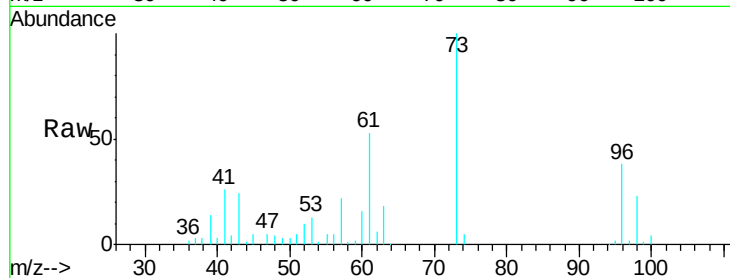
Tgt Ion: 96 Resp: 75569

Ion Ratio Lower Upper

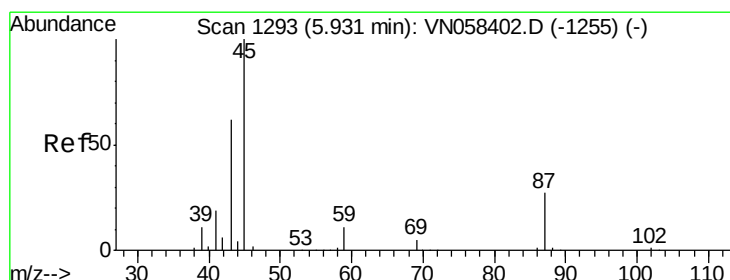
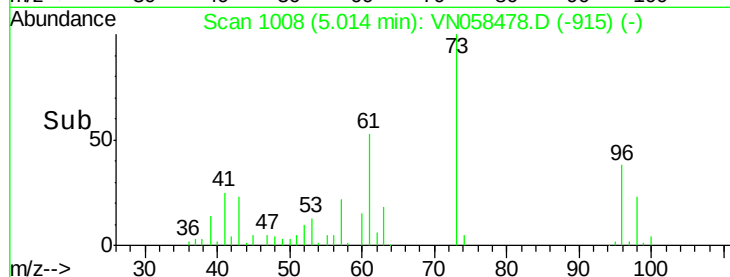
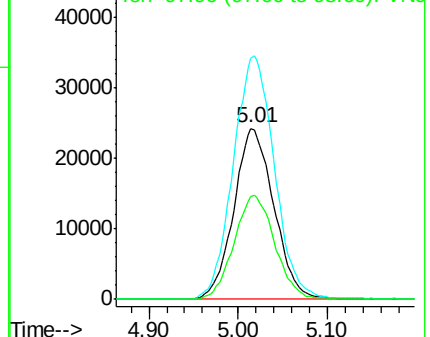
96 100

61 141.1 121.9 182.9

98 60.2 49.3 73.9



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



#22

Diisopropyl ether

Concen: 21.880 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Tgt Ion: 45 Resp: 271669

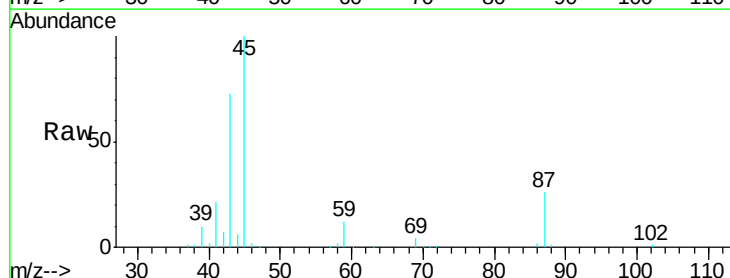
Ion Ratio Lower Upper

45 100

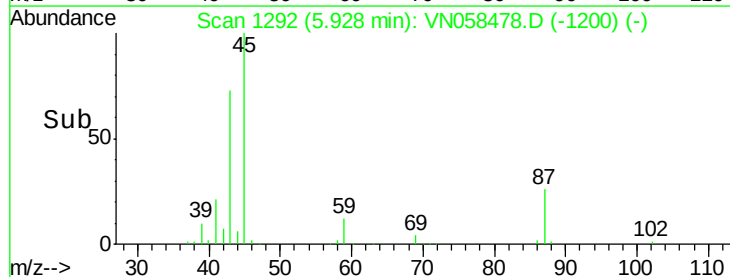
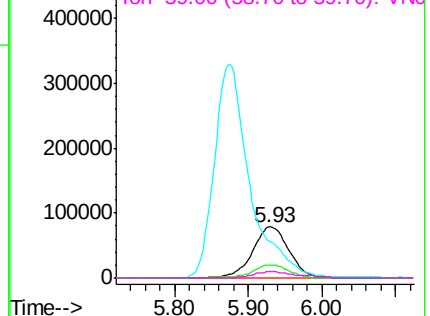
43 70.8 49.7 74.5

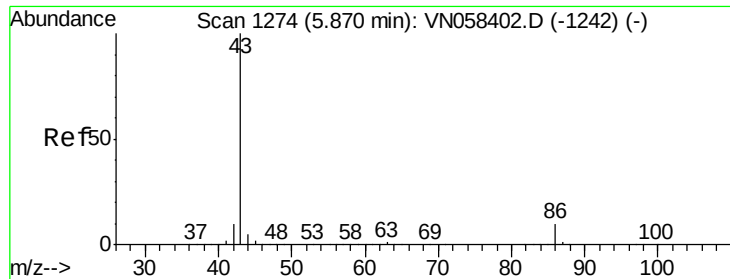
87 25.4 21.5 32.3

59 11.1 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 117.979 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

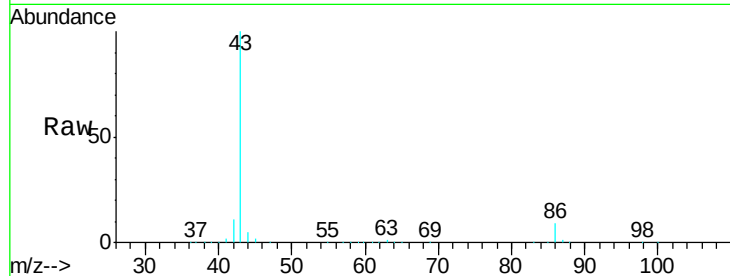
VN1002WBS01

Tgt Ion: 43 Resp: 1104548

Ion Ratio Lower Upper

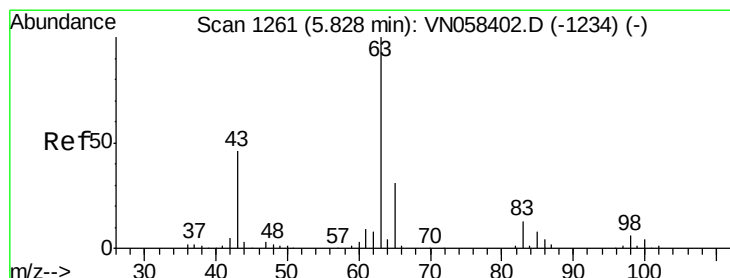
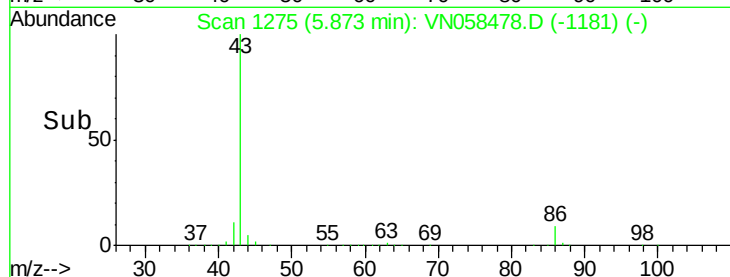
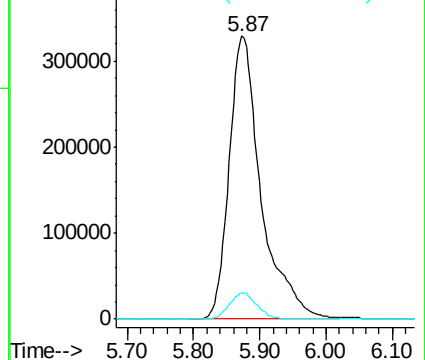
43 100

86 9.4 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 22.002 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

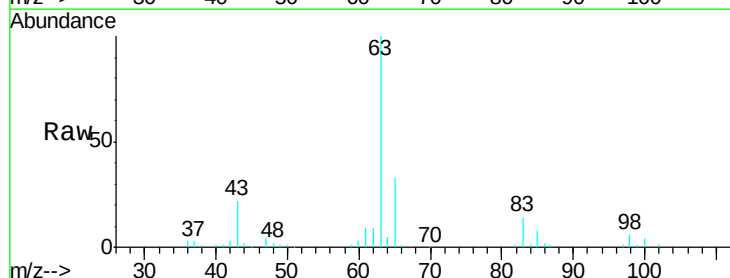
Tgt Ion: 63 Resp: 153748

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.0

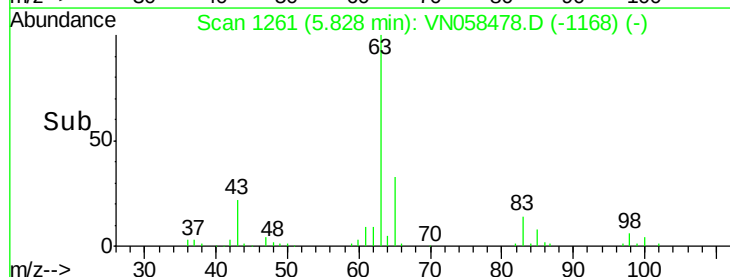
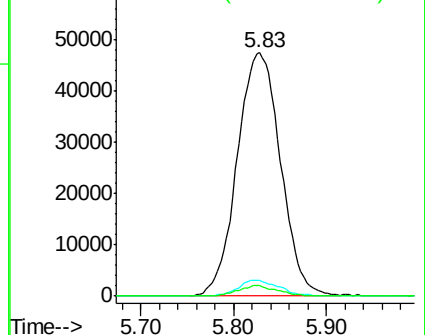
100 4.1 2.0 5.8

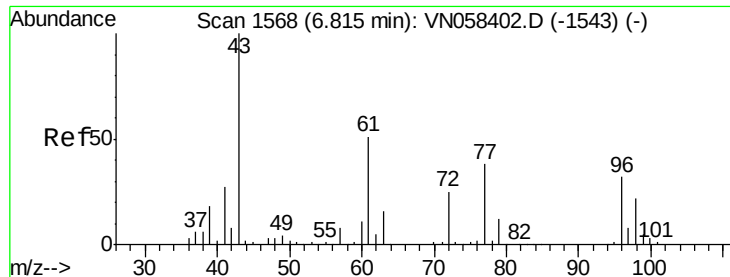


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 121.052 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampled :

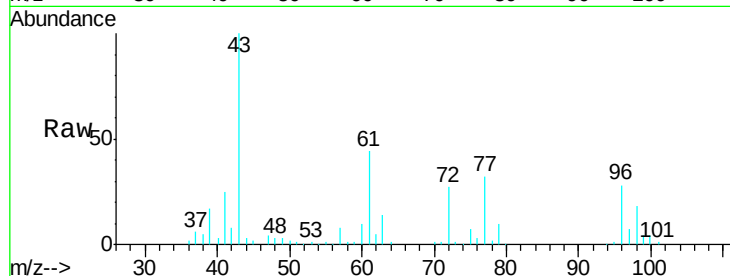
VN1002WBS01

Tgt Ion: 43 Resp: 278270

Ion Ratio Lower Upper

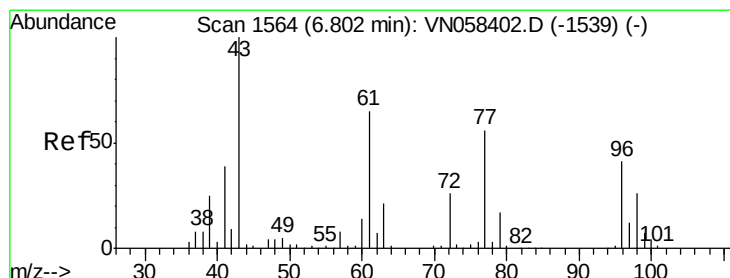
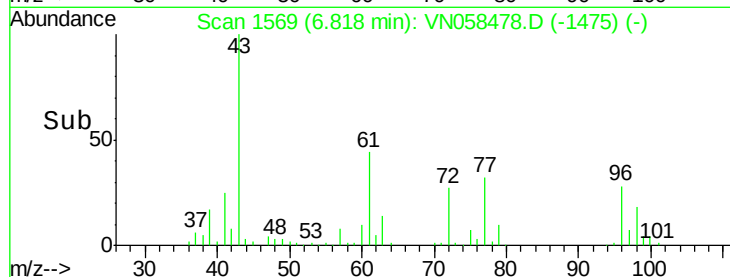
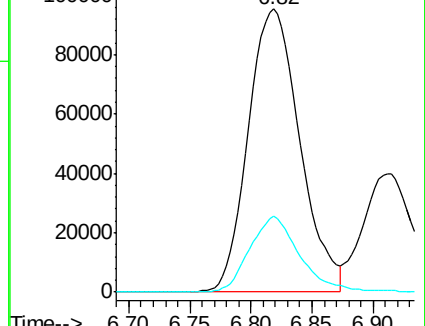
43 100

72 26.7 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.594 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN058478.D

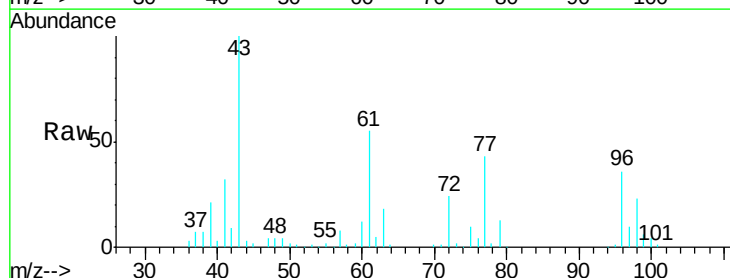
Acq: 2 Oct 2019 16:38

Tgt Ion: 77 Resp: 118313

Ion Ratio Lower Upper

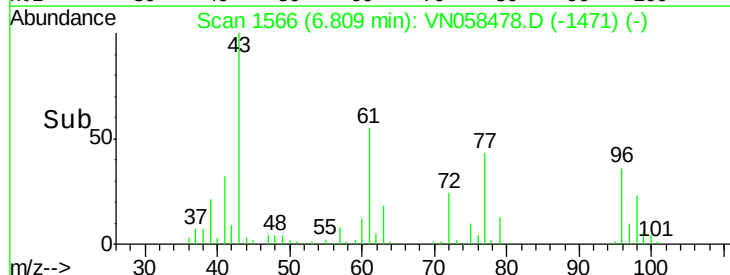
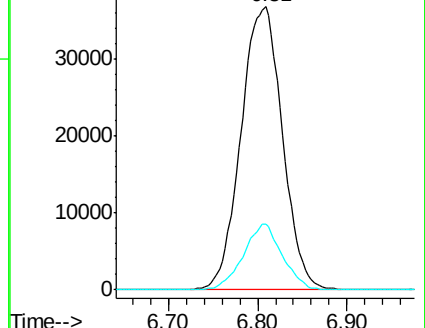
77 100

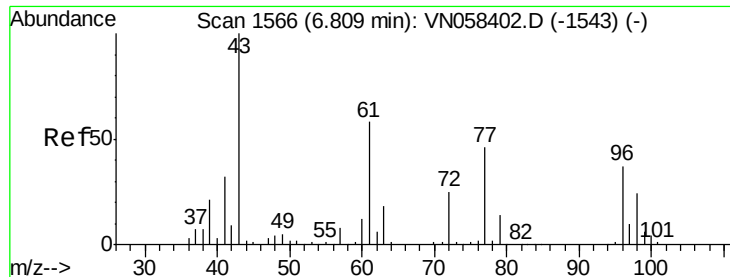
97 21.7 10.9 32.6



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: 21.103 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

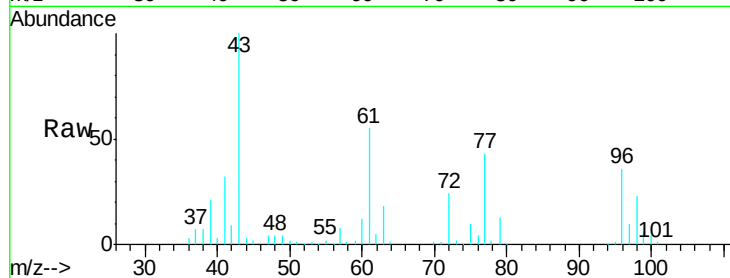
Tgt Ion: 96 Resp: 86960

Ion Ratio Lower Upper

96 100

61 161.4 0.0 318.8

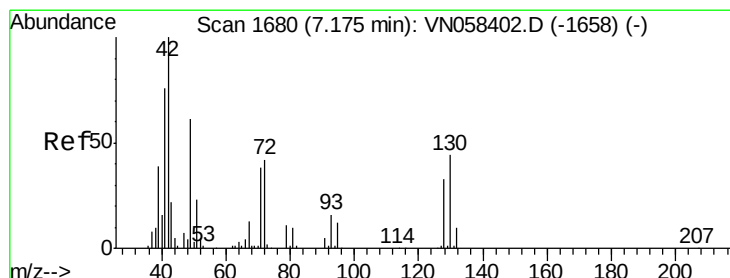
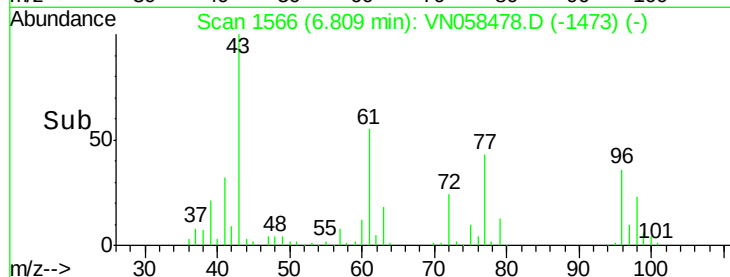
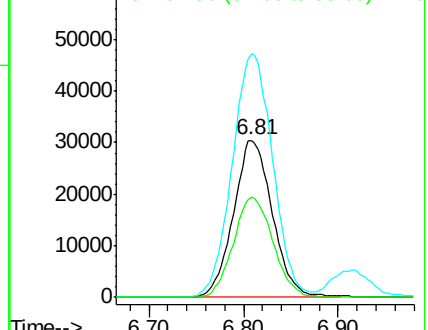
98 64.8 0.0 129.8



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: 22.567 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

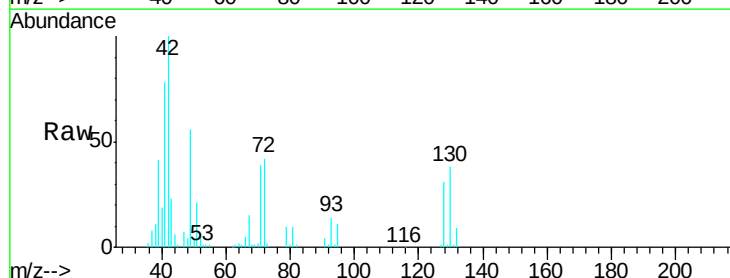
Tgt Ion: 49 Resp: 63035

Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.4

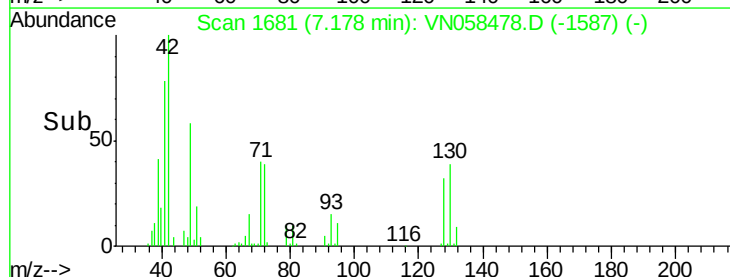
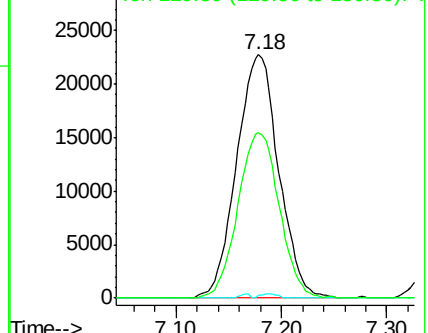
130 66.7 56.3 84.5

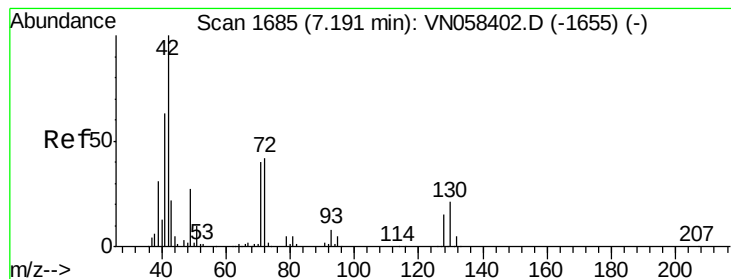


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 123.740 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

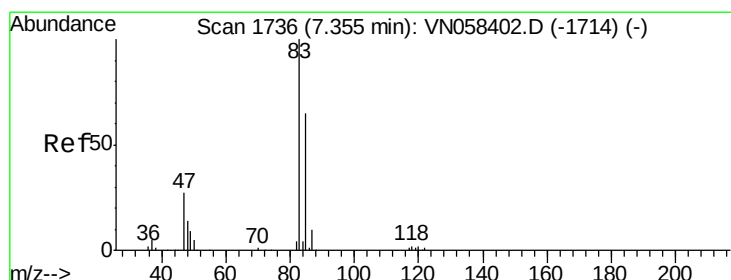
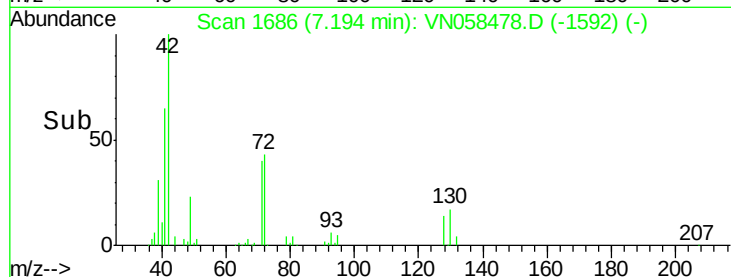
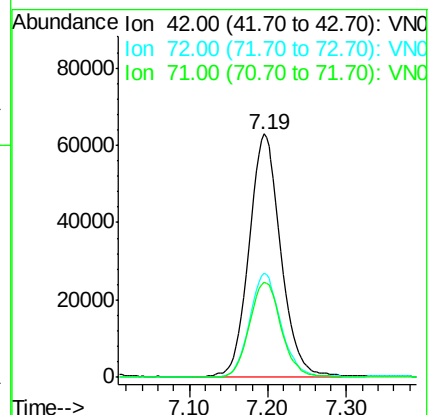
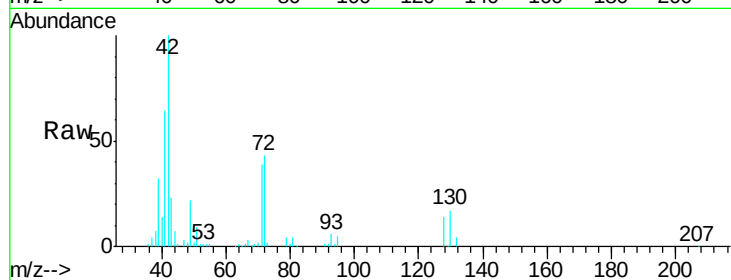
Tgt Ion: 42 Resp: 180537

Ion Ratio Lower Upper

42 100

72 41.9 33.7 50.5

71 39.0 31.8 47.6



#30

Chloroform

Concen: 21.878 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN058478.D

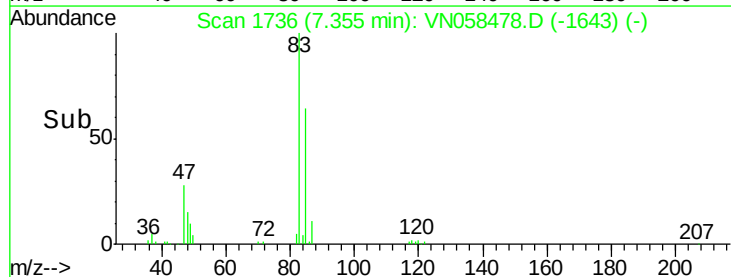
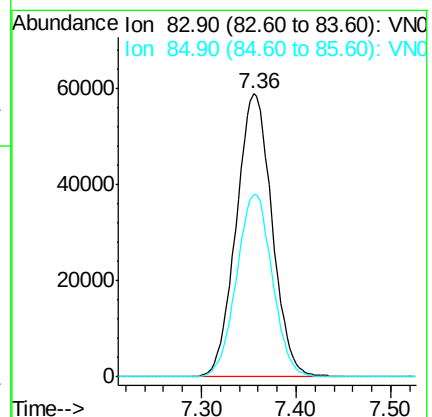
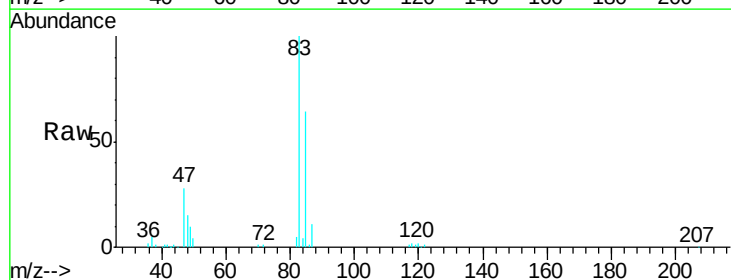
Acq: 2 Oct 2019 16:38

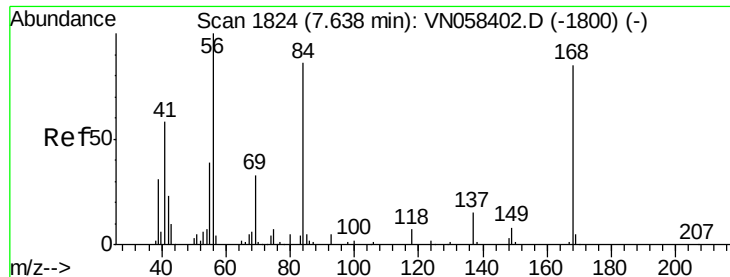
Tgt Ion: 83 Resp: 154925

Ion Ratio Lower Upper

83 100

85 64.3 52.0 78.0

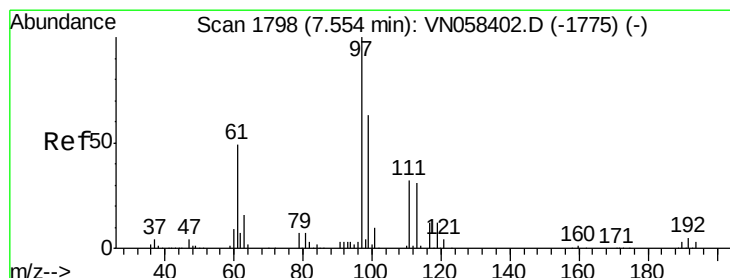
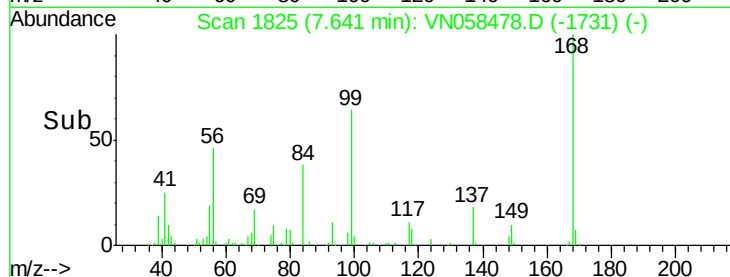
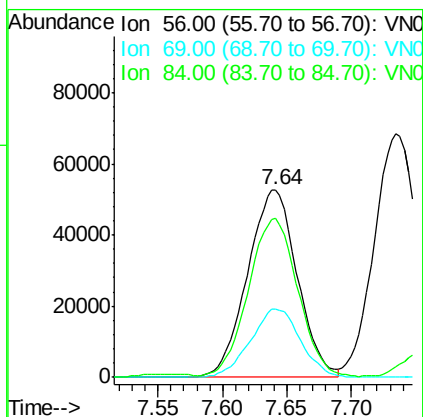
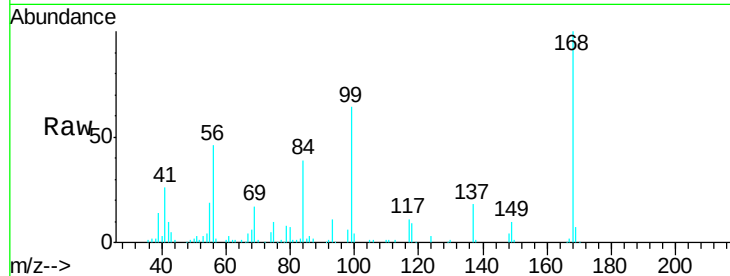




#31
Cyclohexane
Concen: 20.799 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

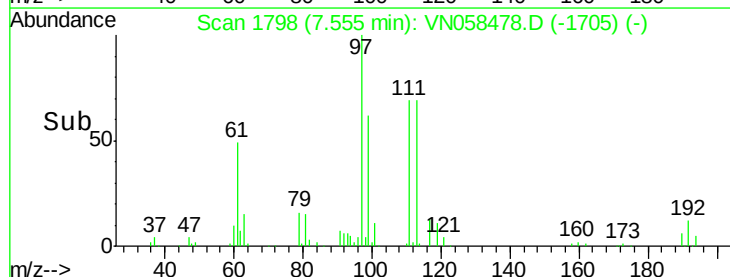
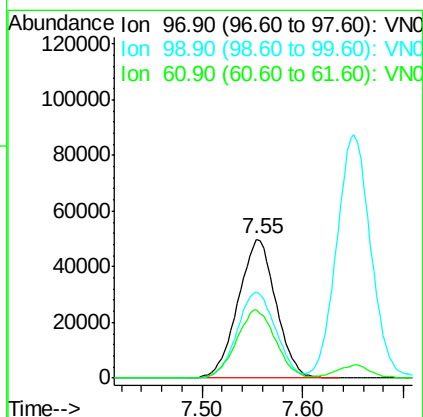
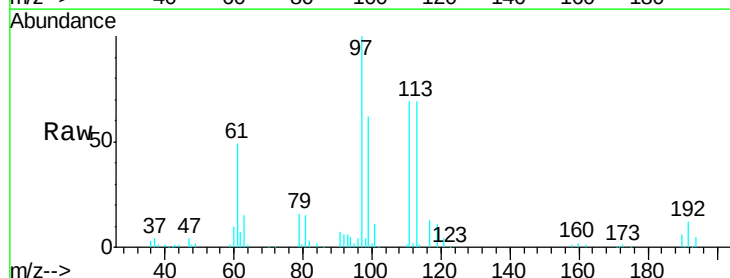
Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

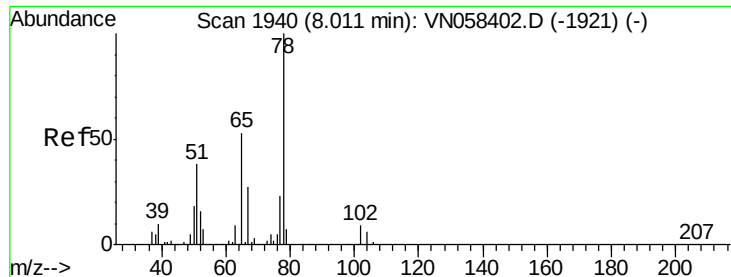
Tgt Ion: 56 Resp: 141378
Ion Ratio Lower Upper
56 100
69 36.0 26.2 39.4
84 83.4 67.6 101.4



#32
1,1,1-Trichloroethane
Concen: 22.345 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion: 97 Resp: 129935
Ion Ratio Lower Upper
97 100
99 63.1 51.1 76.7
61 50.7 39.2 58.8

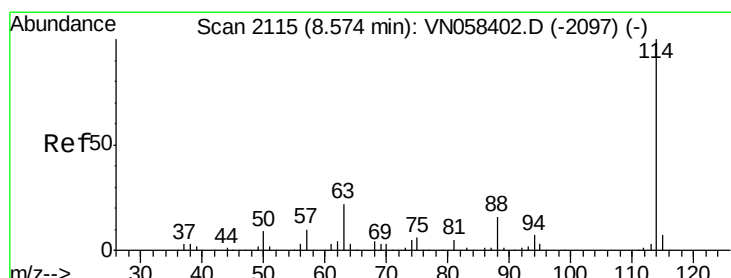
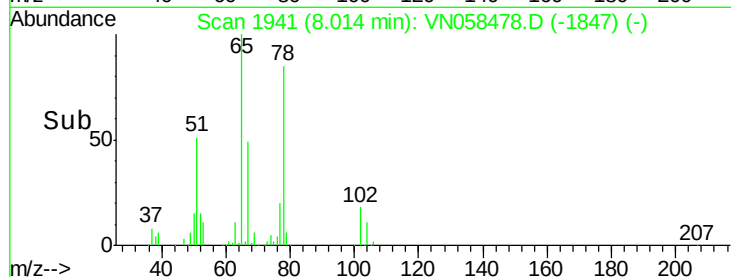
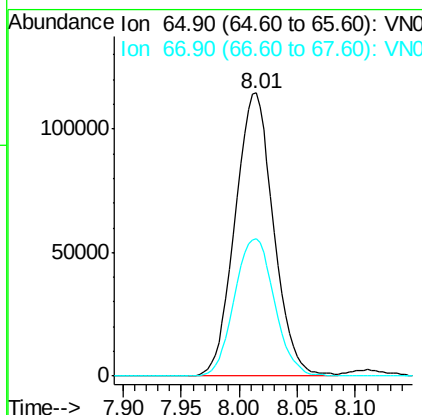
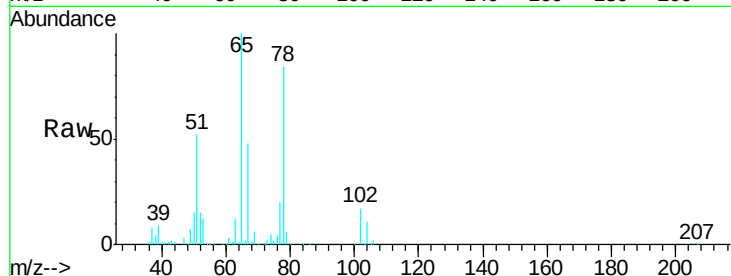




#33
 1,2-Dichloroethane-d4
 Concen: 53.732 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

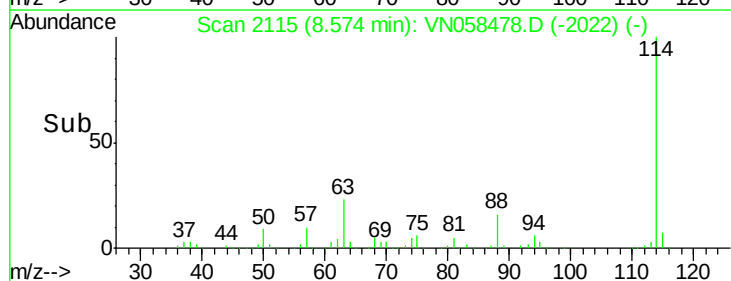
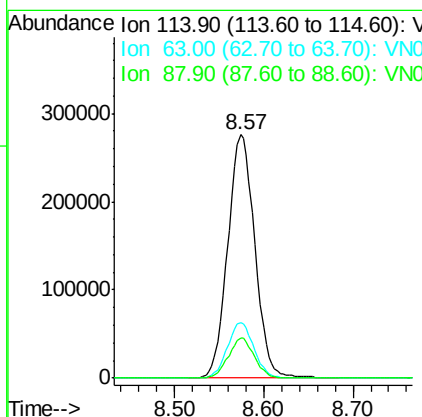
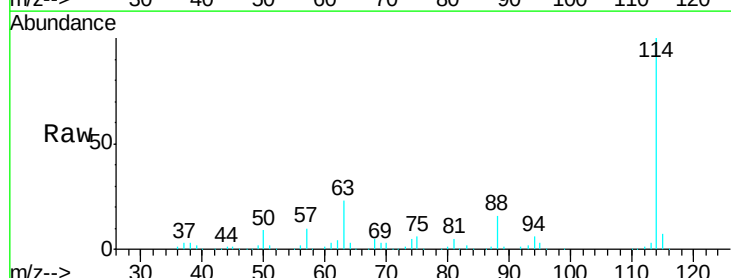
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

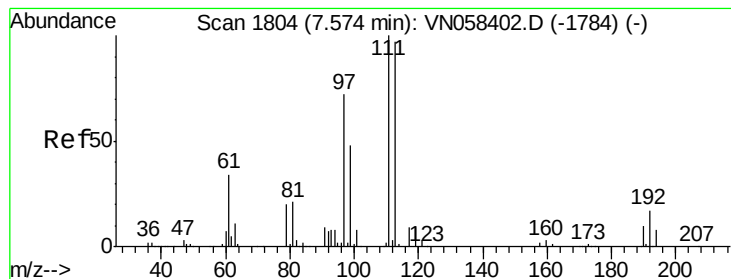
Tgt Ion: 65 Resp: 263906
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion: 114 Resp: 580332
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.0
 88 16.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 53.721 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

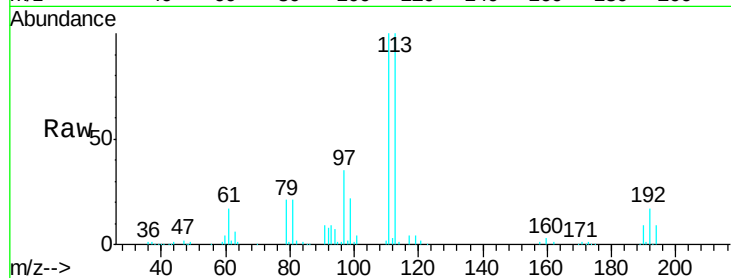
Tgt Ion:113 Resp: 191073

Ion Ratio Lower Upper

113 100

111 100.1 83.4 125.2

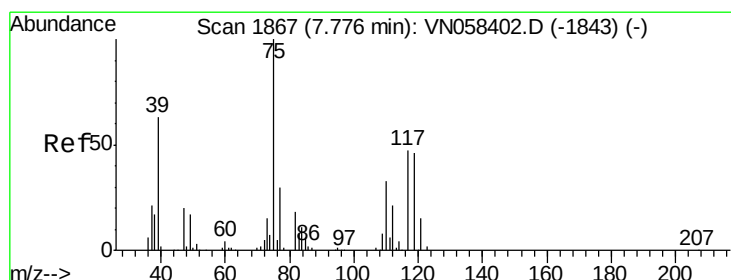
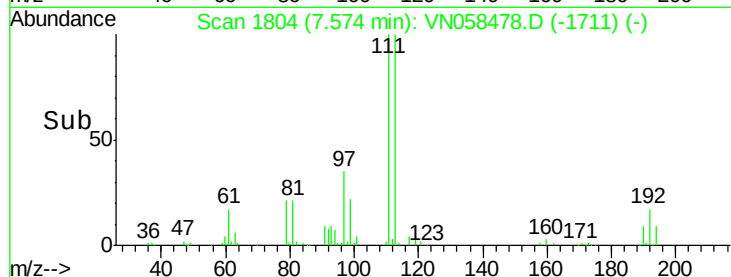
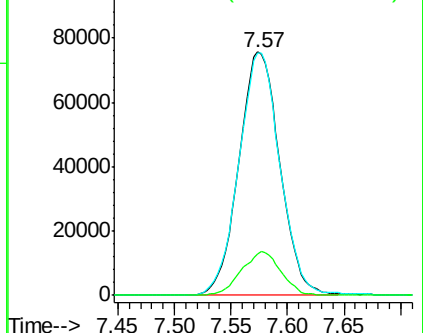
192 17.2 14.9 22.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.351 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

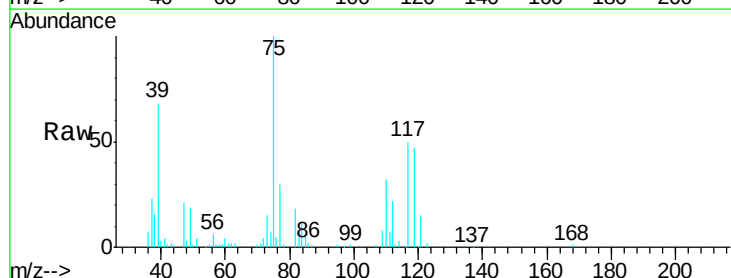
Tgt Ion: 75 Resp: 112929

Ion Ratio Lower Upper

75 100

110 31.6 16.4 49.2

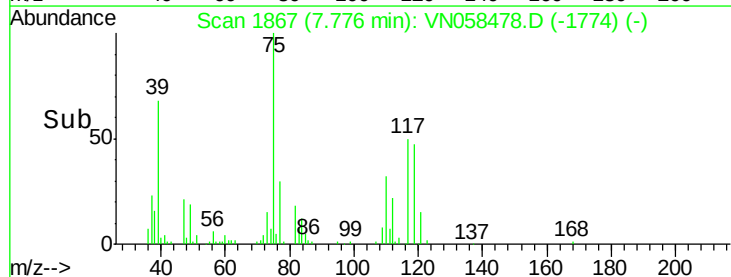
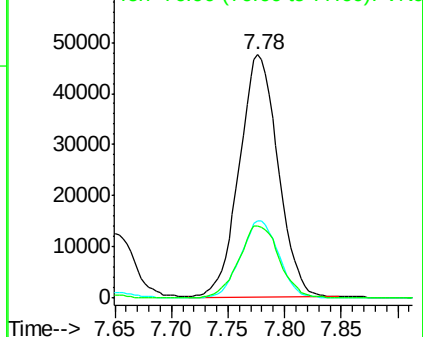
77 31.4 24.3 36.5

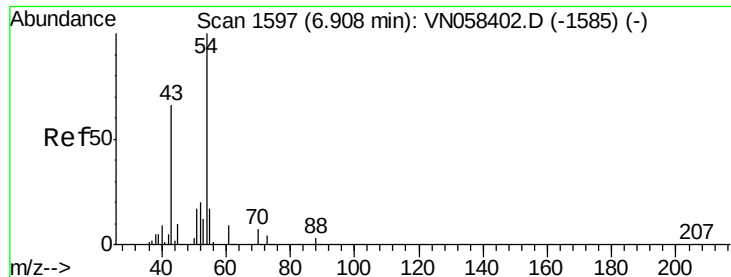


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

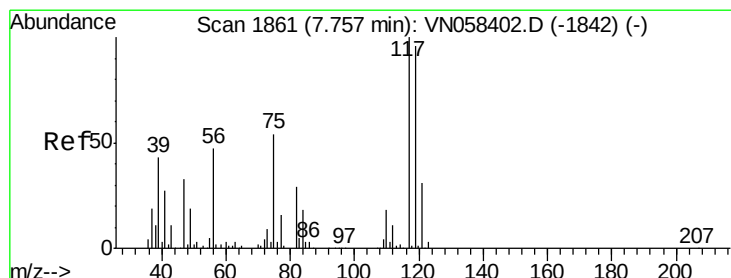
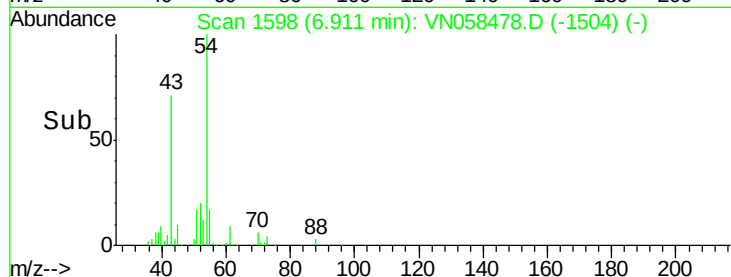
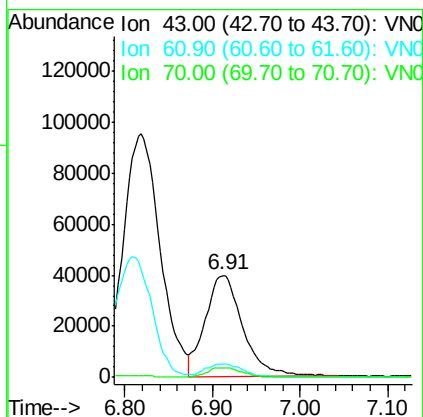
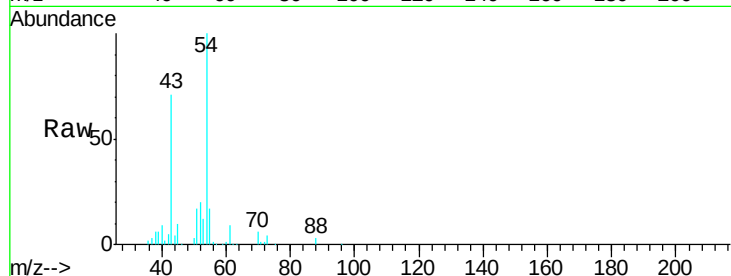




#37
Ethyl Acetate
 Concen: 25.040 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

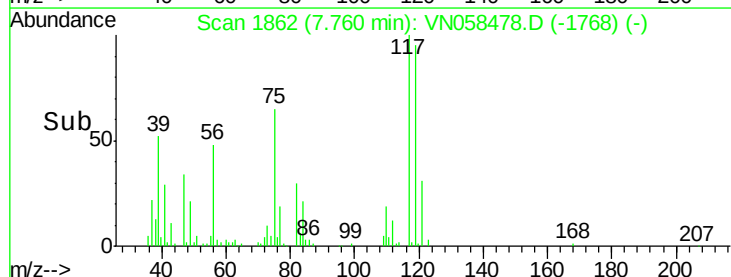
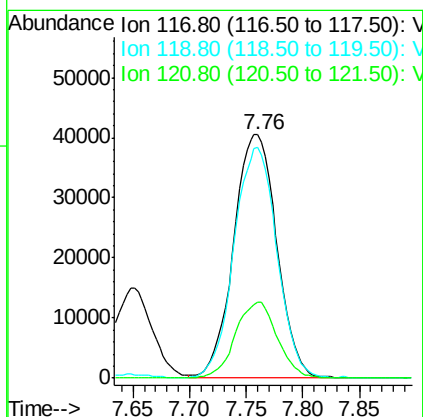
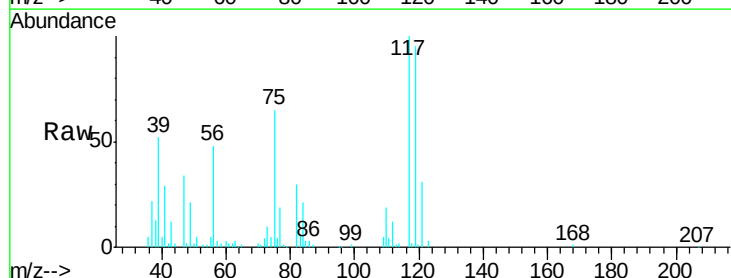
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

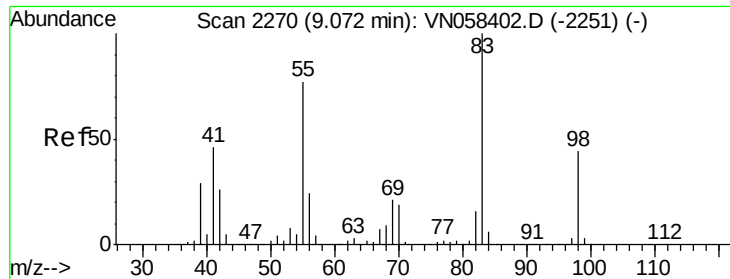
Tgt Ion: 43 Resp: 117804
 Ion Ratio Lower Upper
 43 100
 61 13.4 10.5 15.7
 70 9.0 7.8 11.6



#38
Carbon Tetrachloride
 Concen: 21.472 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion: 117 Resp: 107549
 Ion Ratio Lower Upper
 117 100
 119 94.8 76.6 115.0
 121 31.2 24.7 37.1

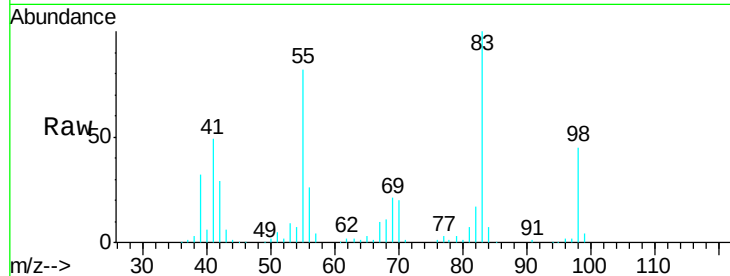




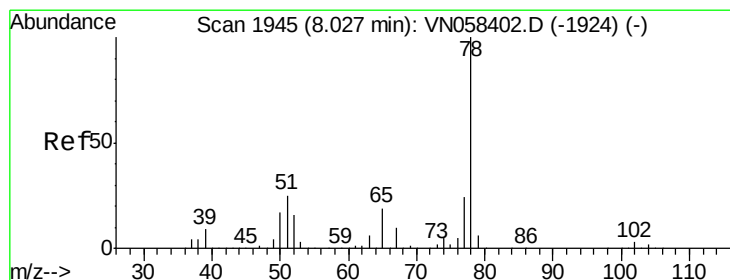
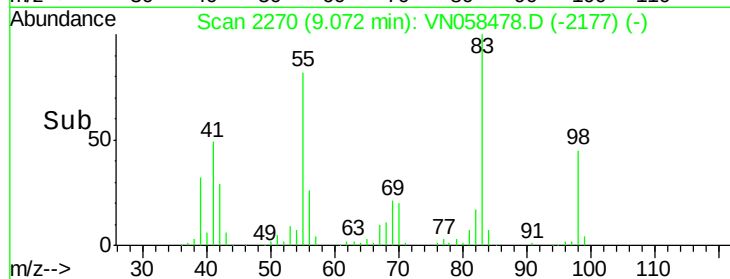
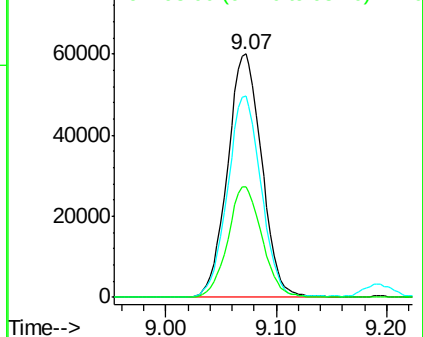
#39
Methylcyclohexane
Concen: 19.922 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampled :
VN1002WBS01

Tgt Ion: 83 Resp: 129096
Ion Ratio Lower Upper
83 100
55 82.5 61.8 92.6
98 45.4 35.4 53.0

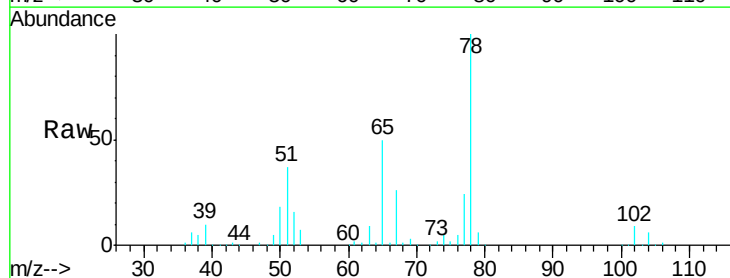


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

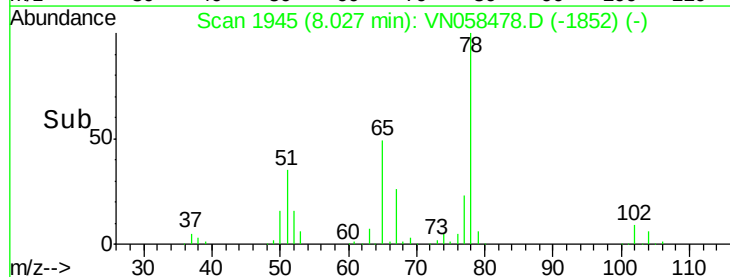
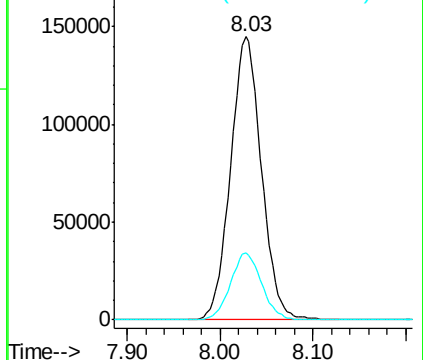


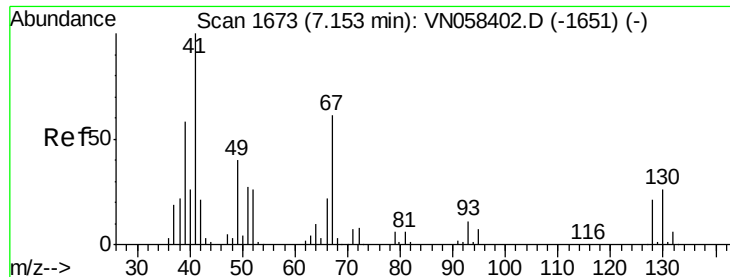
#40
Benzene
Concen: 20.932 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion: 78 Resp: 333886
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3



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





#41

Methacrylonitrile

Concen: 23.059 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tgt Ion: 41 Resp: 49909

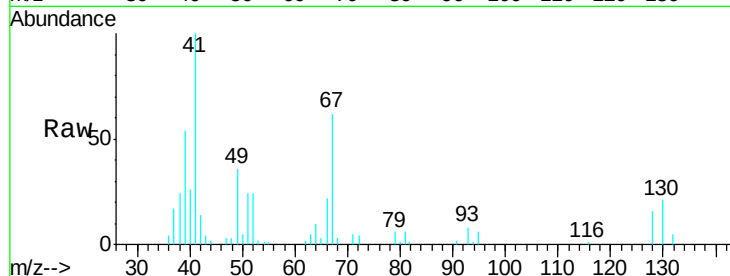
Ion Ratio Lower Upper

41 100

39 0.0 50.2 75.4#

67 86.4 70.2 105.4

52 38.6 31.4 47.0

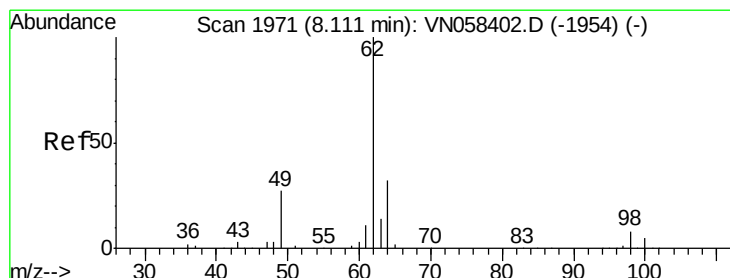
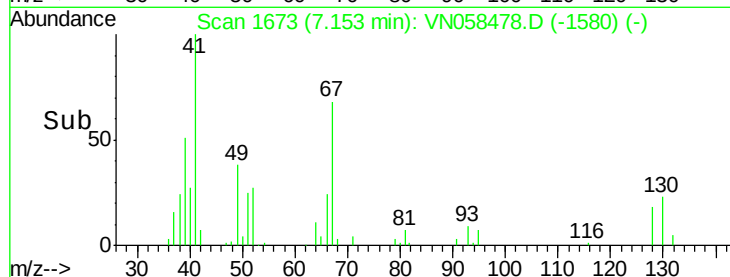
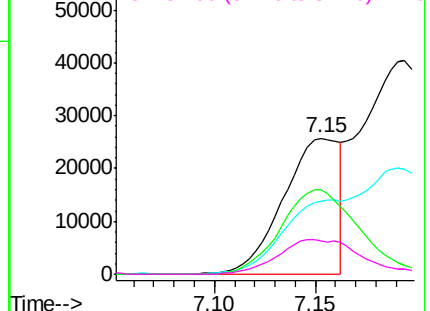


Abundance Ion 41.00 (40.70 to 41.70): VN058402.D (-1651) (-)

Ion 39.00 (38.70 to 39.70): VN058402.D (-1651) (-)

Ion 67.00 (66.70 to 67.70): VN058402.D (-1651) (-)

Ion 52.00 (51.70 to 52.70): VN058402.D (-1651) (-)



#42

1,2-Dichloroethane

Concen: 21.432 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN058478.D

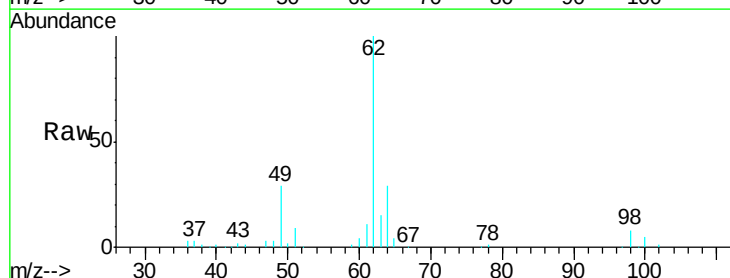
Acq: 2 Oct 2019 16:38

Tgt Ion: 62 Resp: 133001

Ion Ratio Lower Upper

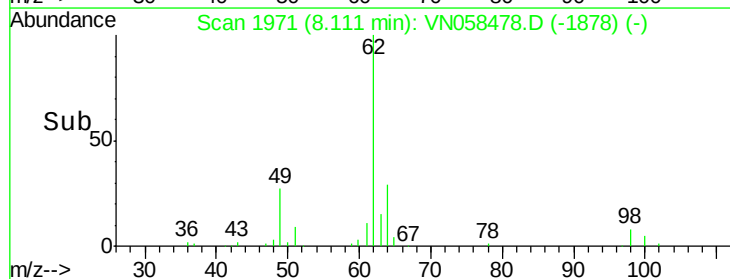
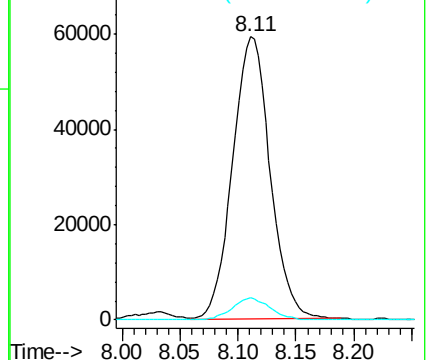
62 100

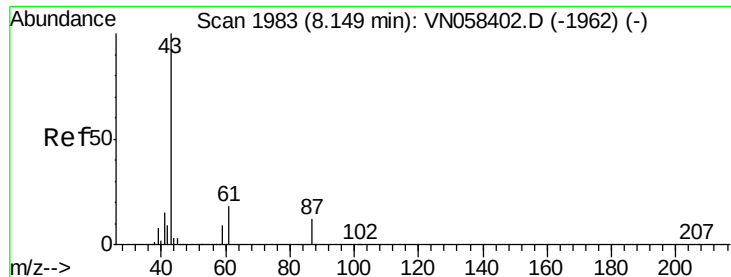
98 7.8 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN058402.D (-1954) (-)

Ion 97.90 (97.60 to 98.60): VN058402.D (-1954) (-)





#43

Isopropyl Acetate

Concen: 20.533 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampled :

VN1002WBS01

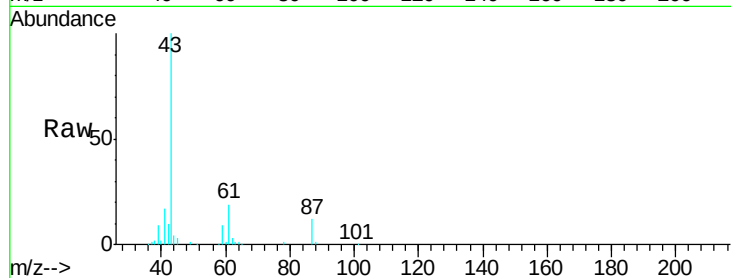
Tgt Ion: 43 Resp: 181660

Ion Ratio Lower Upper

43 100

61 26.0 14.8 22.2#

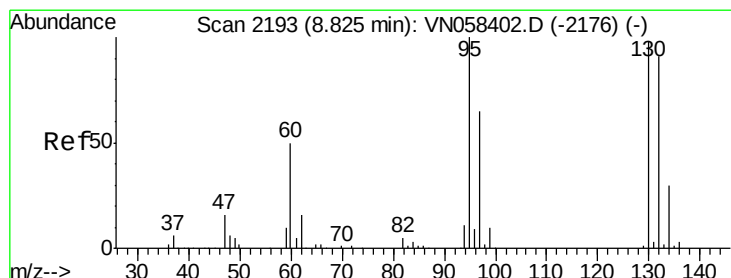
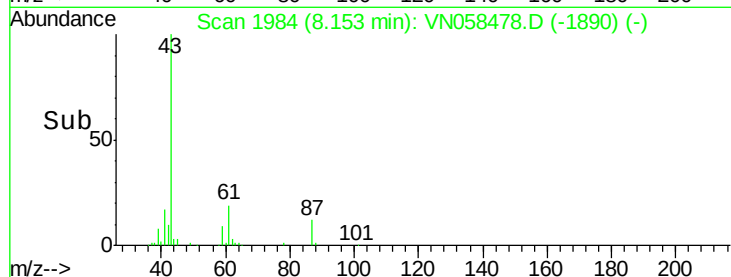
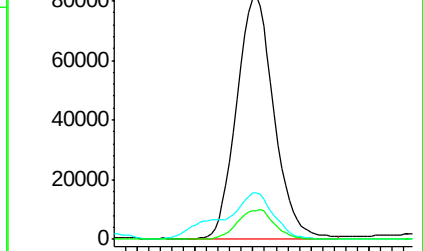
87 12.0 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058402.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058402.D (-1962) (-)



#44

Trichloroethene

Concen: 20.817 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058478.D

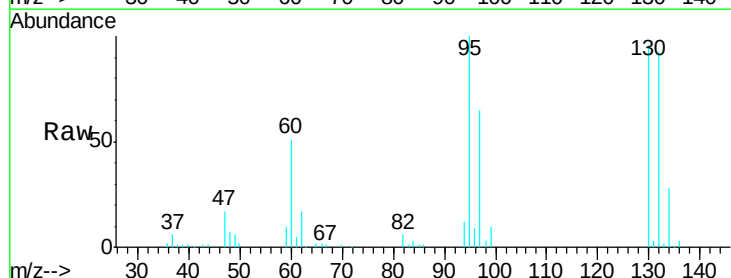
Acq: 2 Oct 2019 16:38

Tgt Ion: 130 Resp: 81987

Ion Ratio Lower Upper

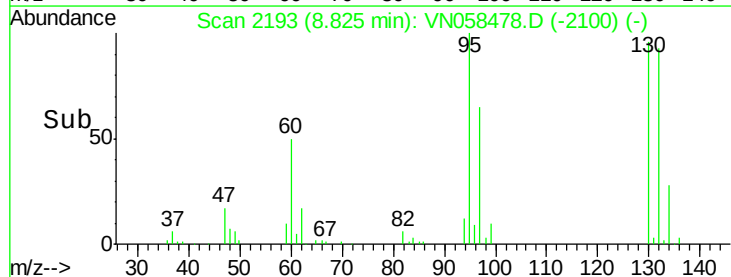
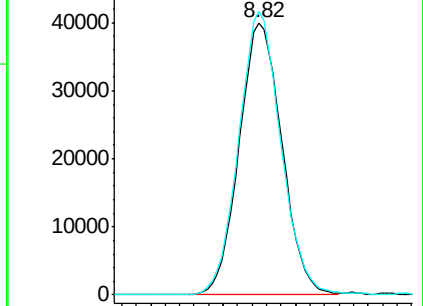
130 100

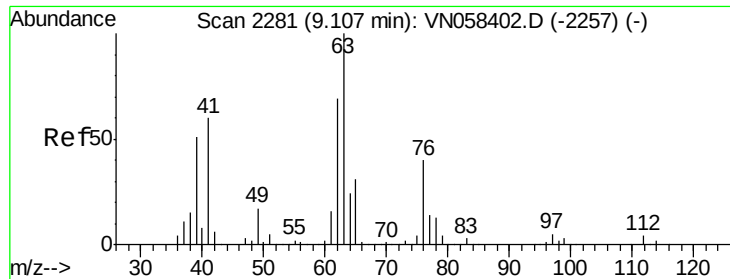
95 104.0 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): VN058402.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058402.D (-2176) (-)

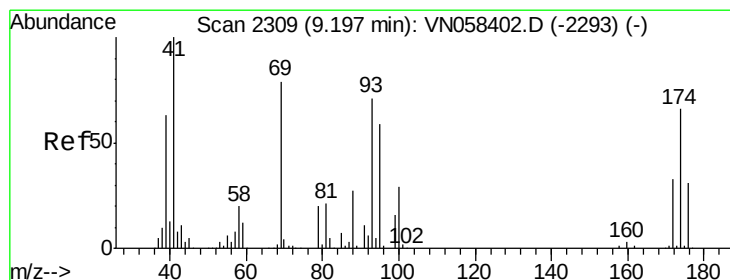
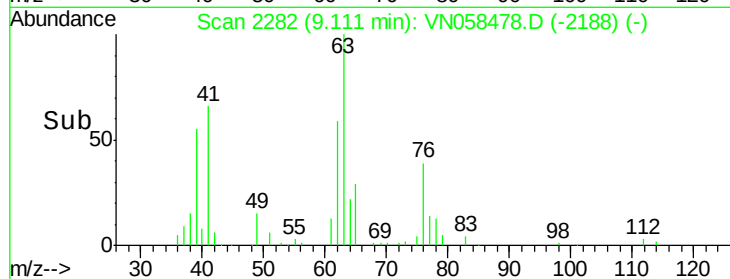
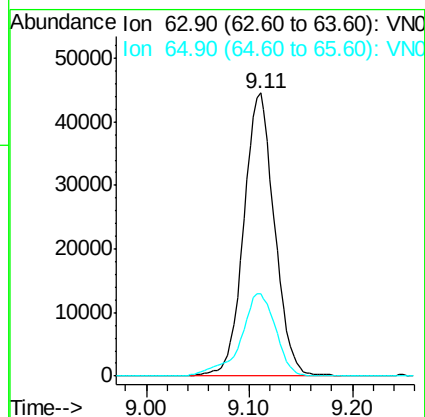
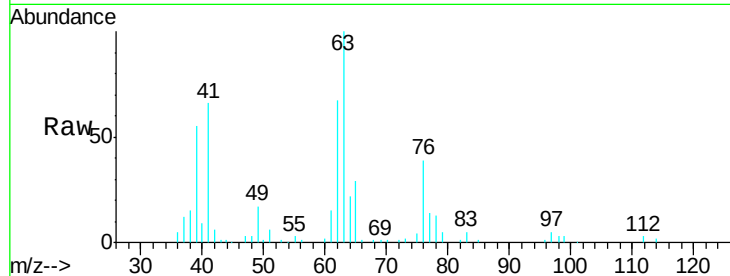




#45
 1,2-Dichloropropane
 Concen: 21.544 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

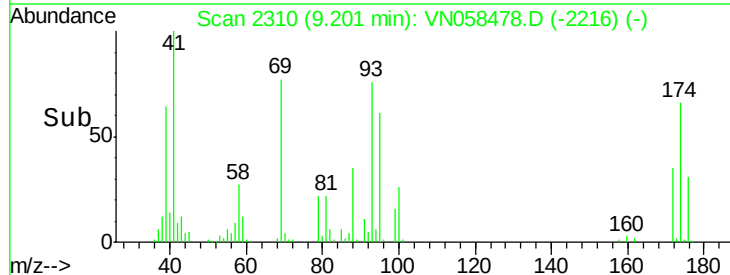
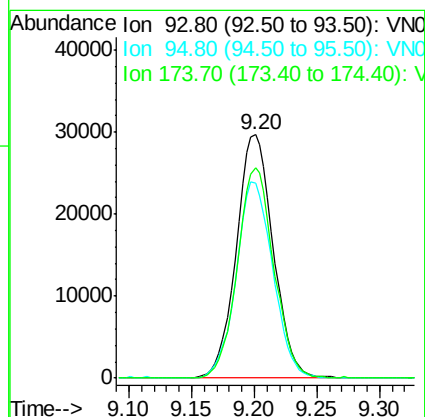
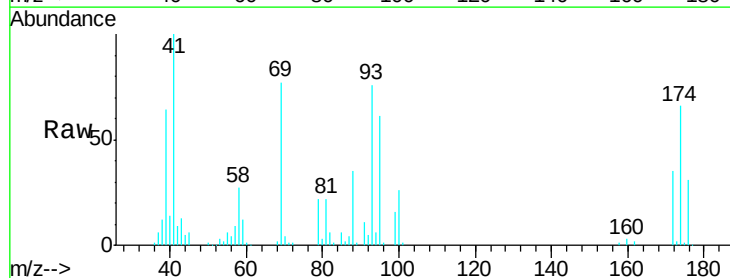
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

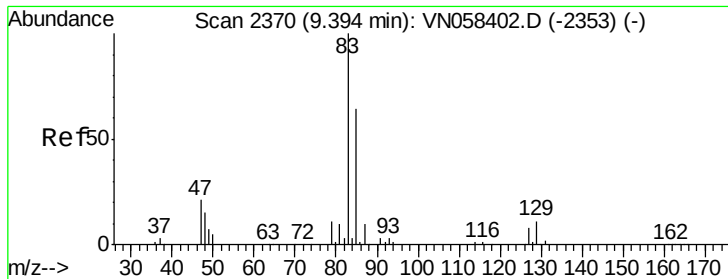
Tgt Ion: 63 Resp: 92163
 Ion Ratio Lower Upper
 63 100
 65 29.0 25.0 37.4



#46
 Dibromomethane
 Concen: 22.345 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion: 93 Resp: 60536
 Ion Ratio Lower Upper
 93 100
 95 80.1 67.0 100.4
 174 85.5 74.2 111.2





#47

Bromodichloromethane

Concen: 22.369 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

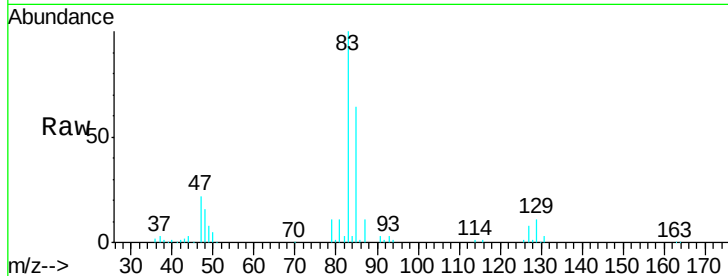
Tgt Ion: 83 Resp: 114816

Ion Ratio Lower Upper

83 100

85 64.2 51.2 76.8

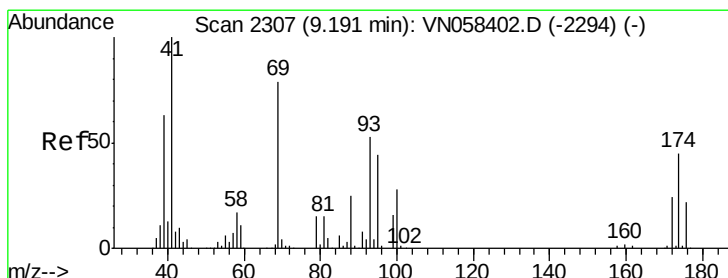
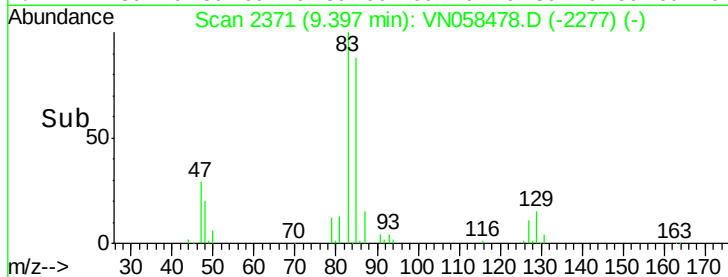
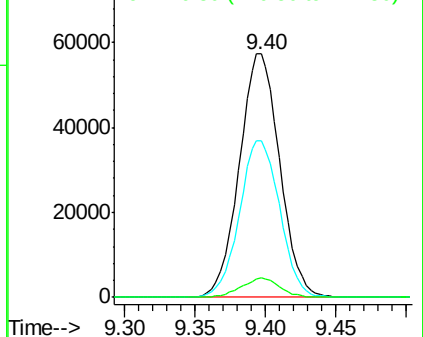
127 7.9 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN058478.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058478.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058478.D (-2277) (-)



#48

Methyl methacrylate

Concen: 22.852 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

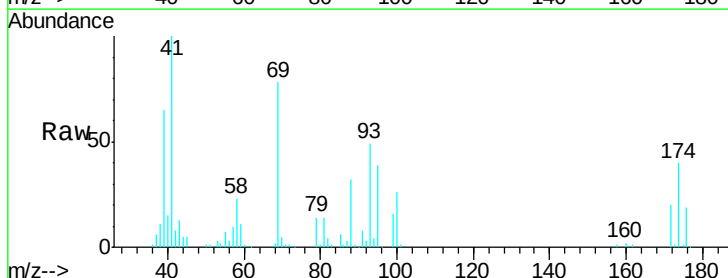
Tgt Ion: 41 Resp: 92057

Ion Ratio Lower Upper

41 100

69 78.6 64.7 97.1

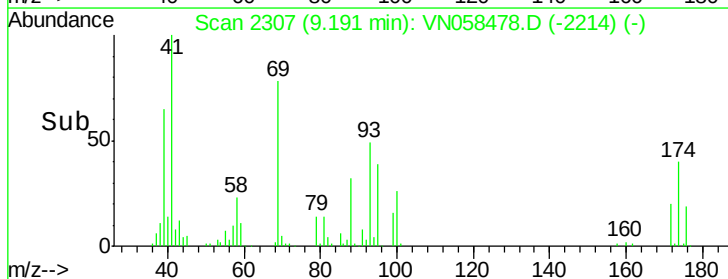
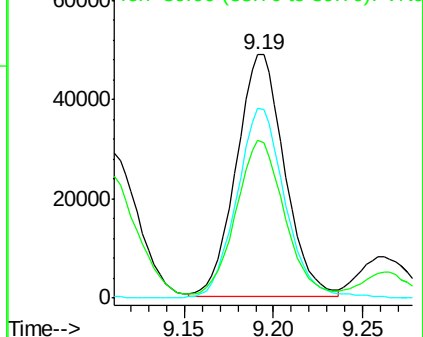
39 66.1 52.9 79.3

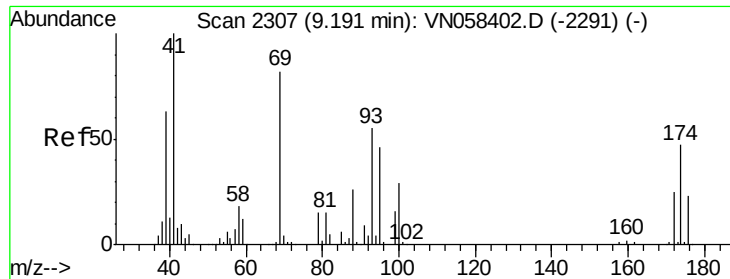


Abundance Ion 41.00 (40.70 to 41.70): VN058478.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058478.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058478.D (-2214) (-)

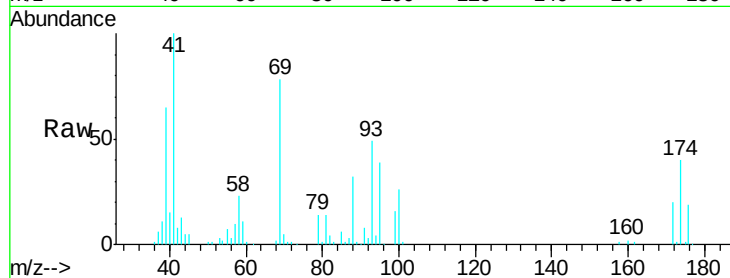




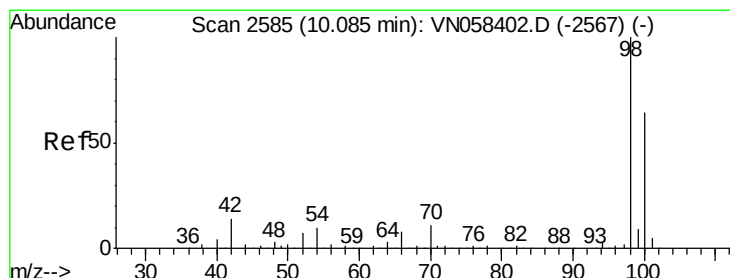
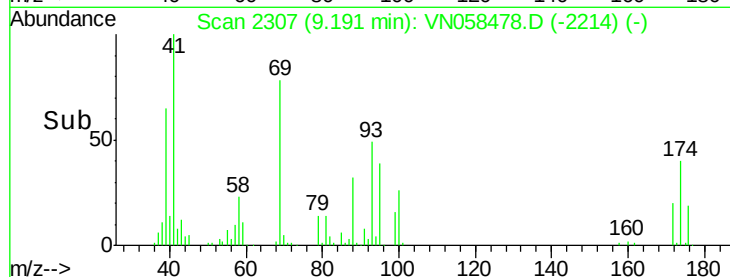
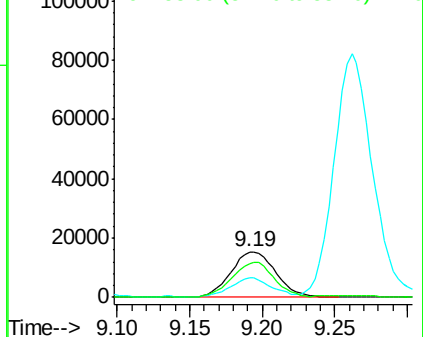
#49
1,4-Dioxane
Concen: 616.476 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Instrument :
MSVOA_N
ClientSampled :
VN1002WBS01

Tgt Ion: 88 Resp: 33207
Ion Ratio Lower Upper
88 100
43 36.3 31.1 46.7
58 72.0 58.1 87.1

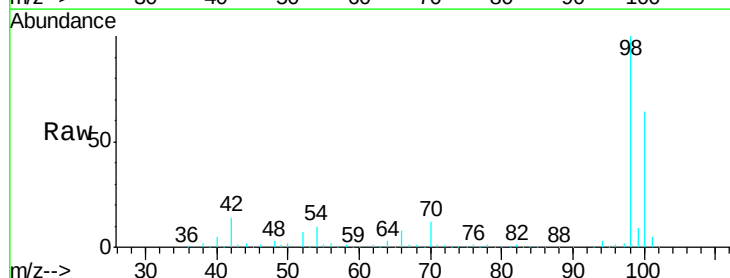


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

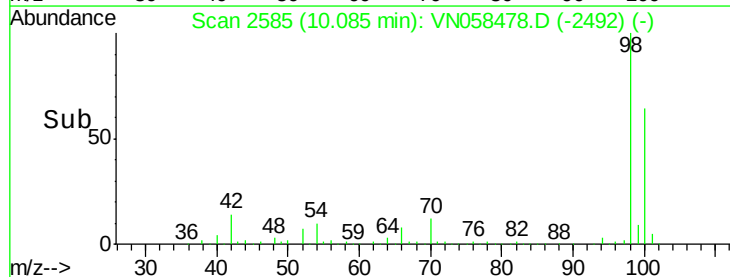
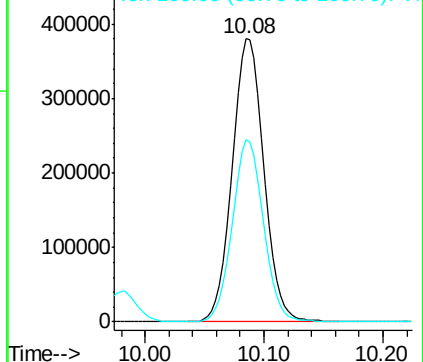


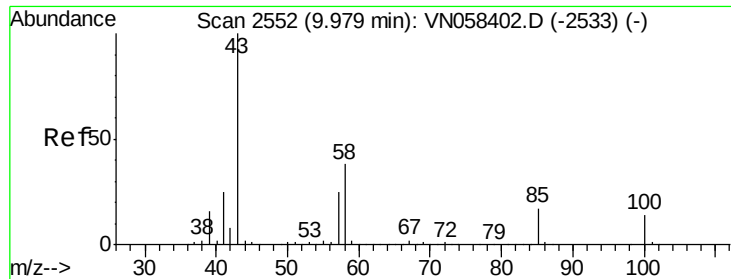
#50
Toluene-d8
Concen: 50.388 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion: 98 Resp: 702075
Ion Ratio Lower Upper
98 100
100 63.1 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 126.210 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

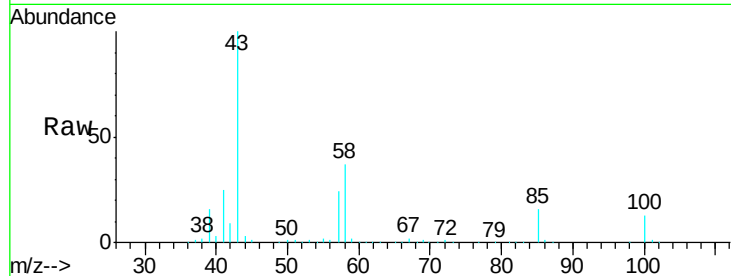
VN1002WBS01

Tgt Ion: 43 Resp: 573552

Ion Ratio Lower Upper

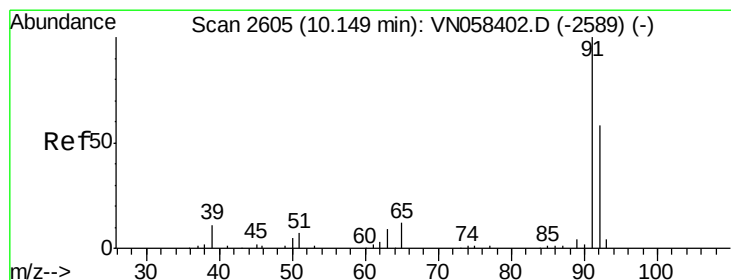
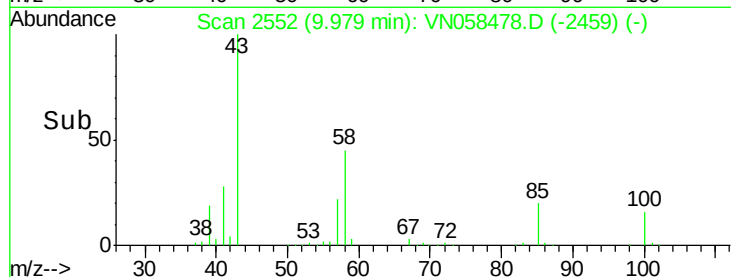
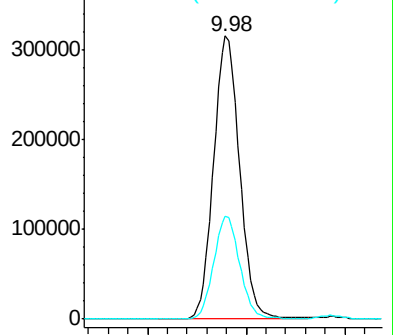
43 100

58 36.4 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.124 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058478.D

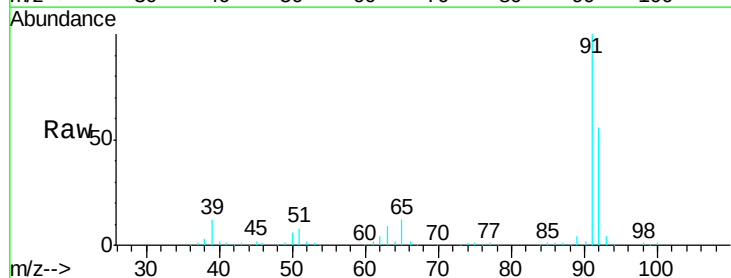
Acq: 2 Oct 2019 16:38

Tgt Ion: 92 Resp: 202040

Ion Ratio Lower Upper

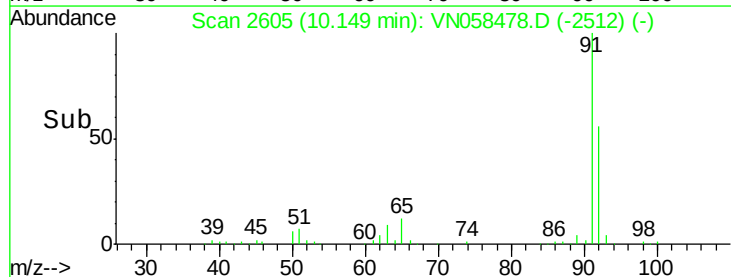
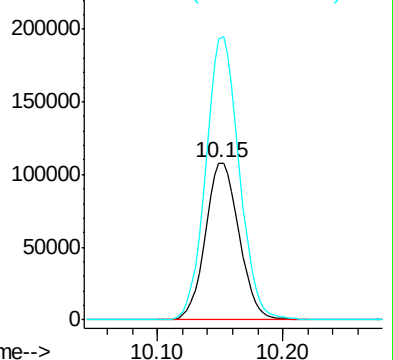
92 100

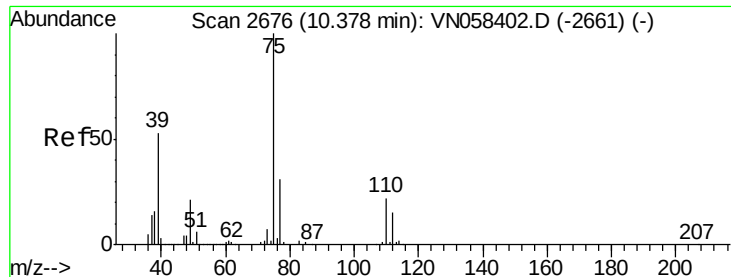
91 178.3 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 21.268 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

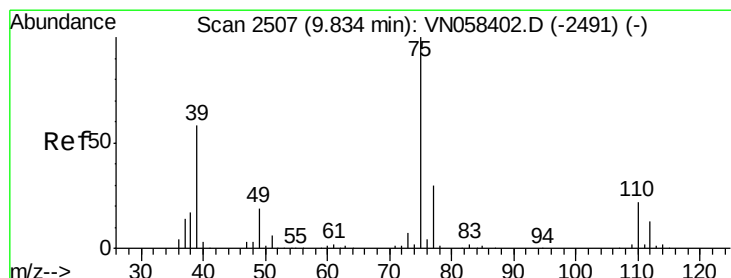
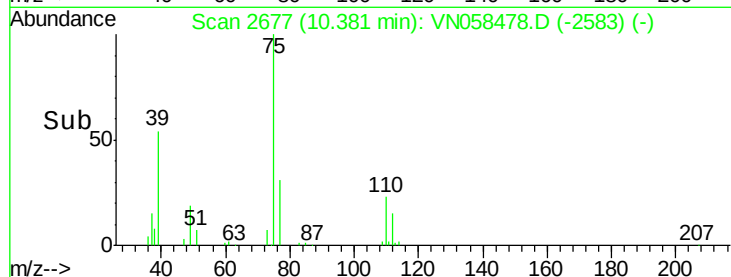
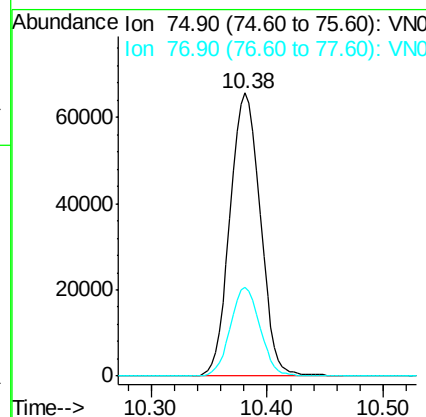
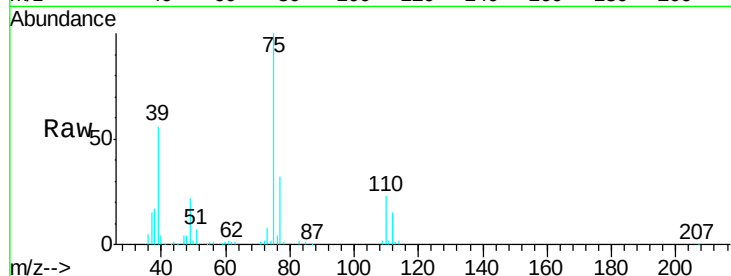
VN1002WBS01

Tgt Ion: 75 Resp: 118821

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 21.401 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

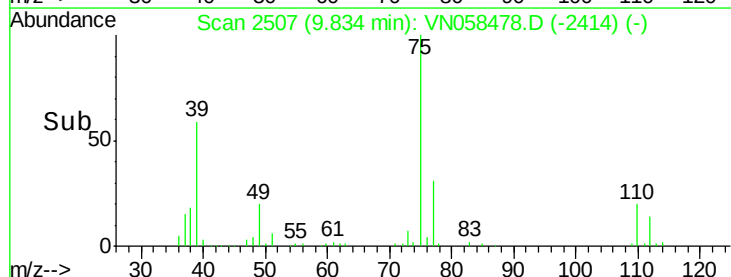
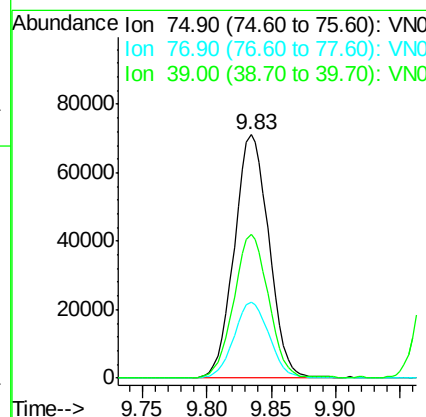
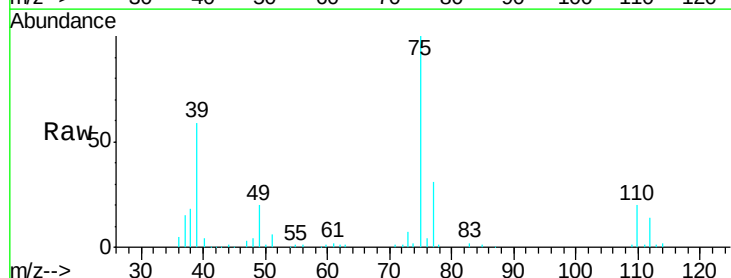
Tgt Ion: 75 Resp: 132720

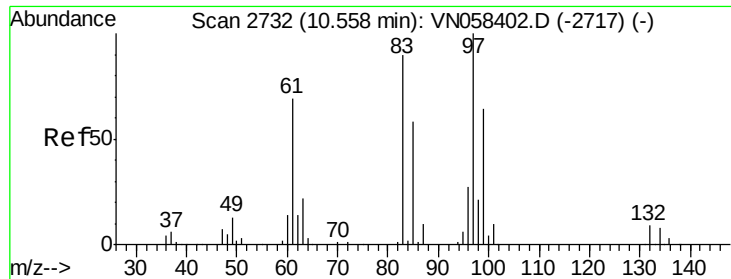
Ion Ratio Lower Upper

75 100

77 31.2 24.2 36.4

39 59.0 46.4 69.6

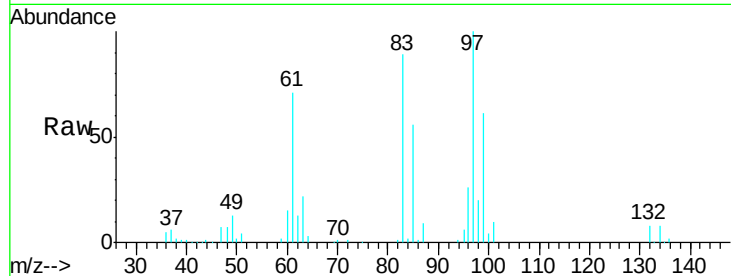




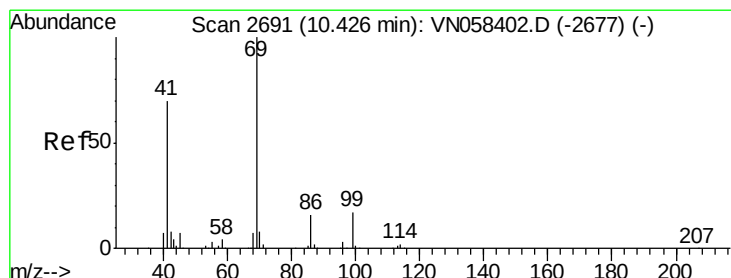
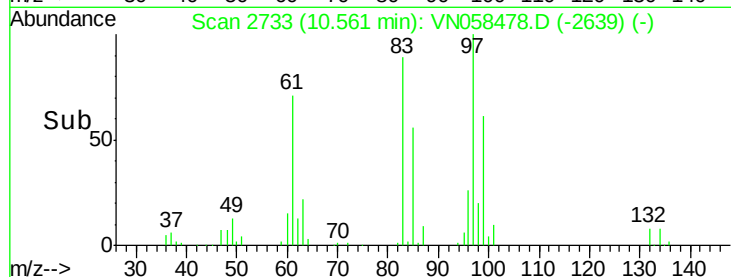
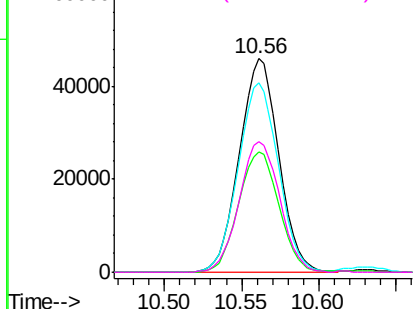
#55
 1,1,2-Trichloroethane
 Concen: 22.332 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tgt Ion: 97 Resp: 81640
 Ion Ratio Lower Upper
 97 100
 83 88.8 71.8 107.6
 85 56.2 46.6 69.8
 99 61.4 51.5 77.3

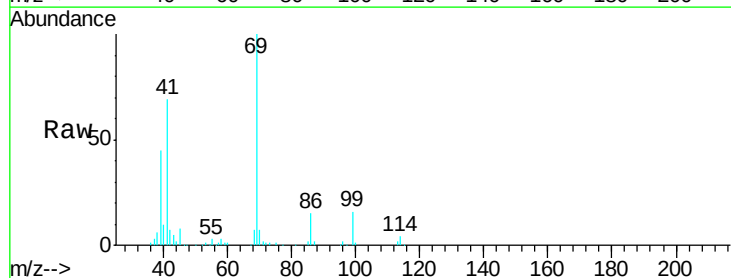


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

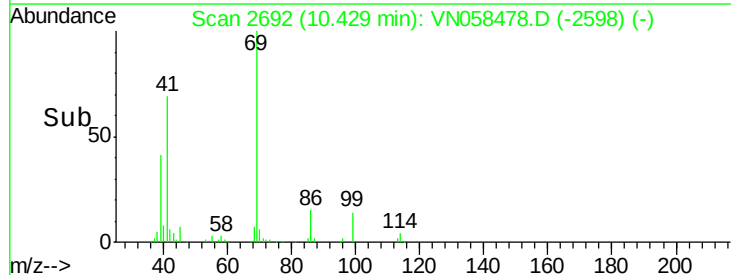
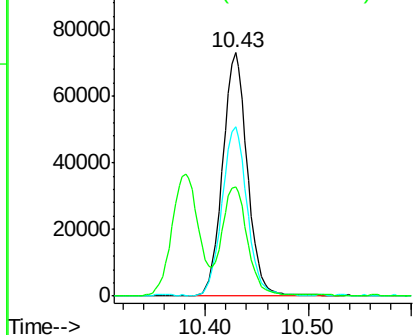


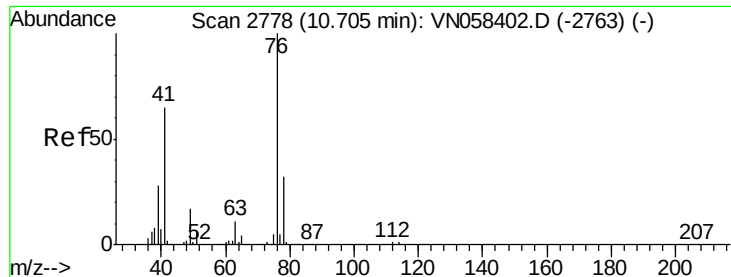
#56
 Ethyl methacrylate
 Concen: 21.919 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion: 69 Resp: 121590
 Ion Ratio Lower Upper
 69 100
 41 69.9 56.3 84.5
 39 44.9 35.8 53.6



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 22.299 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampled :

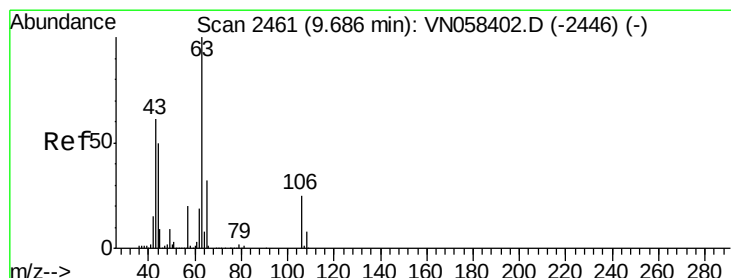
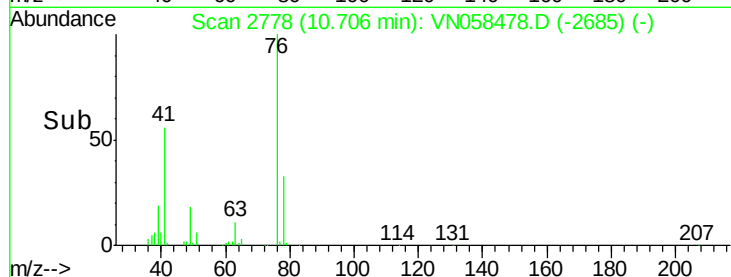
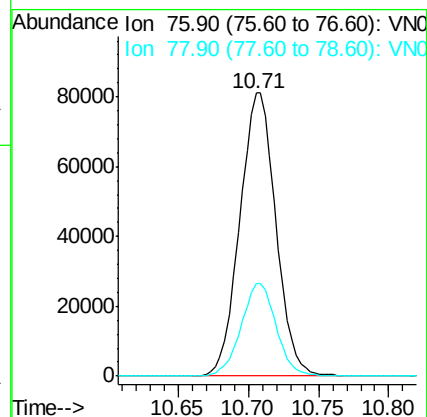
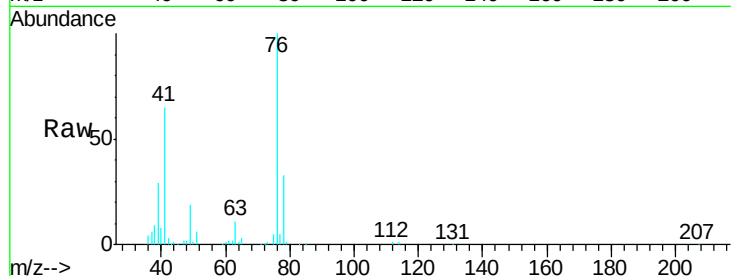
VN1002WBS01

Tgt Ion: 76 Resp: 145403

Ion Ratio Lower Upper

76 100

78 31.8 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 105.965 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058478.D

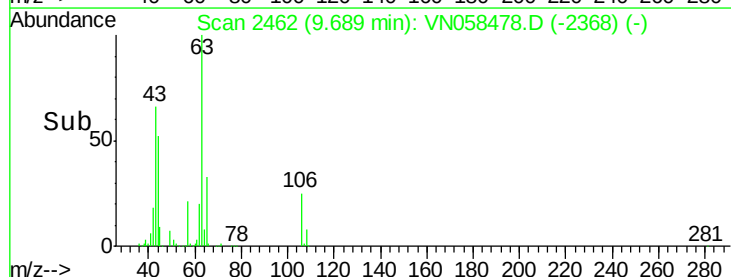
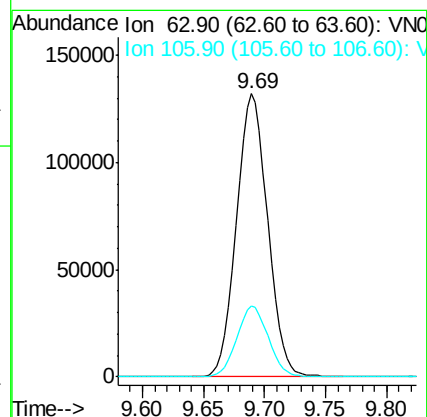
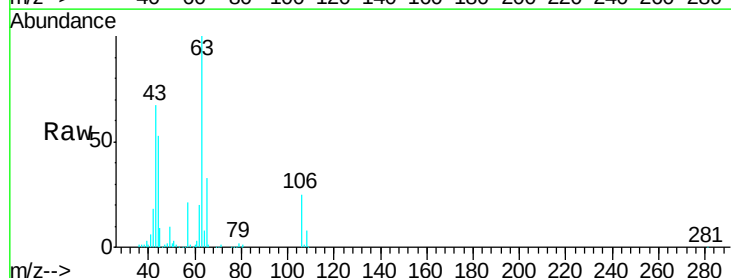
Acq: 2 Oct 2019 16:38

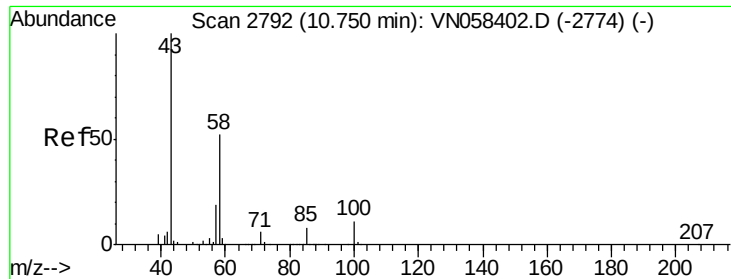
Tgt Ion: 63 Resp: 234384

Ion Ratio Lower Upper

63 100

106 25.2 20.3 30.5

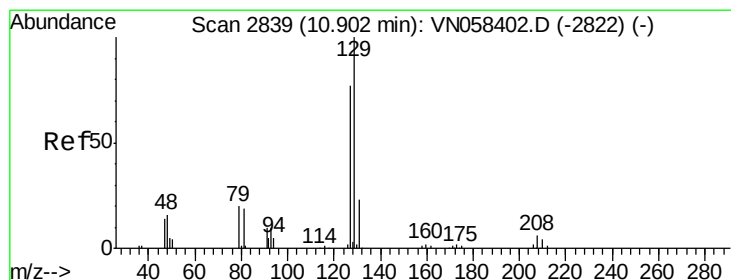
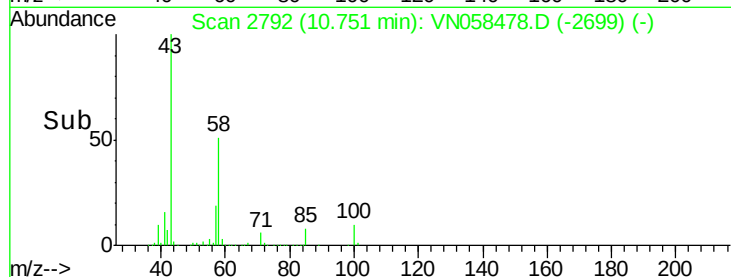
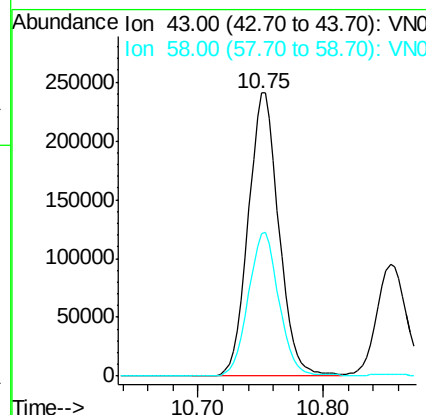
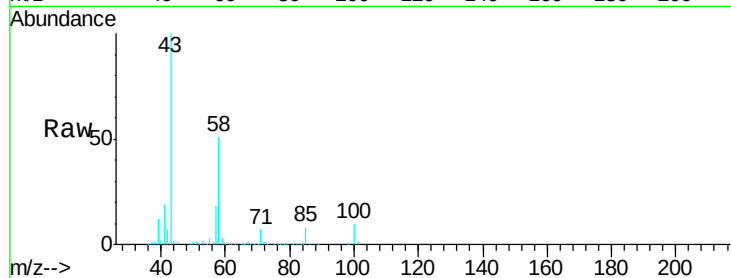




#59
2-Hexanone
Concen: 123.615 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

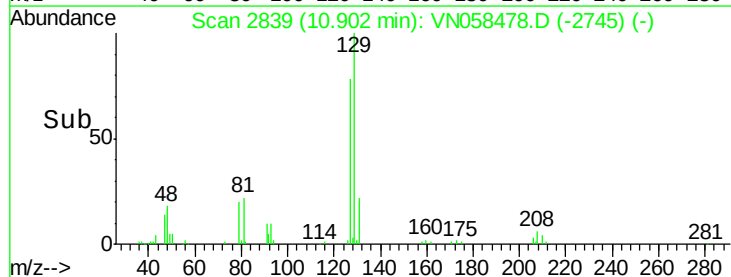
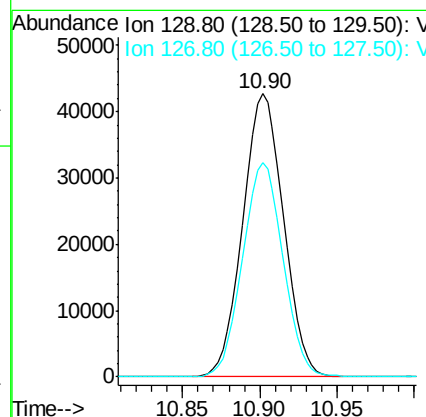
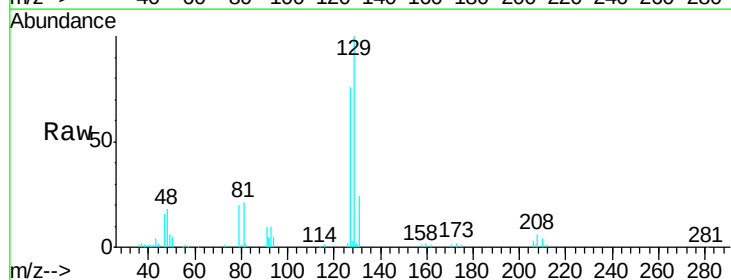
Instrument :
MSVOA_N
ClientSampled :
VN1002WBS01

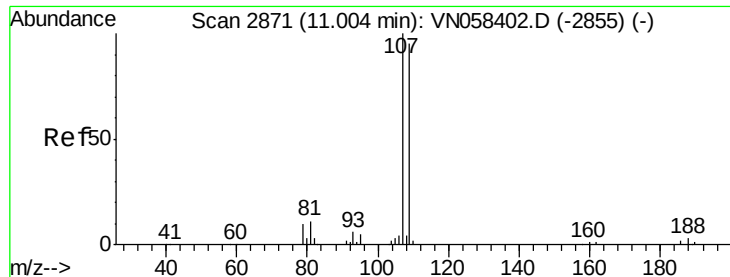
Tgt Ion: 43 Resp: 409044
Ion Ratio Lower Upper
43 100
58 51.0 25.8 77.3



#60
Dibromochloromethane
Concen: 20.371 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion: 129 Resp: 78356
Ion Ratio Lower Upper
129 100
127 75.0 38.3 114.8

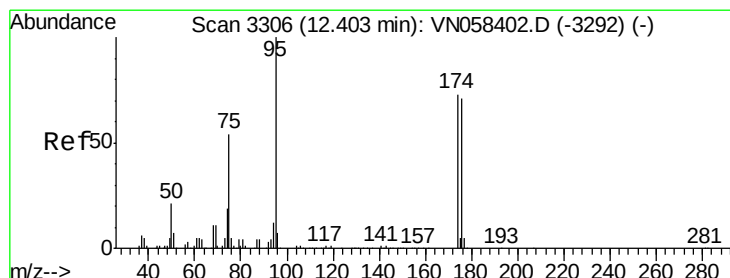
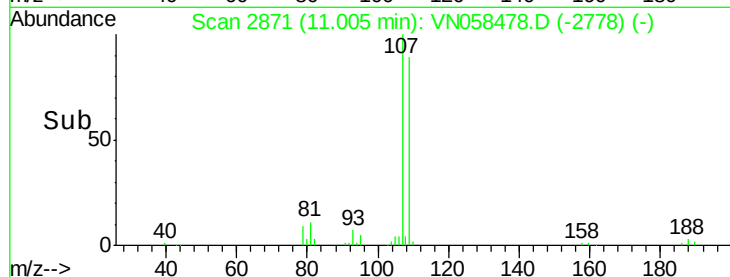
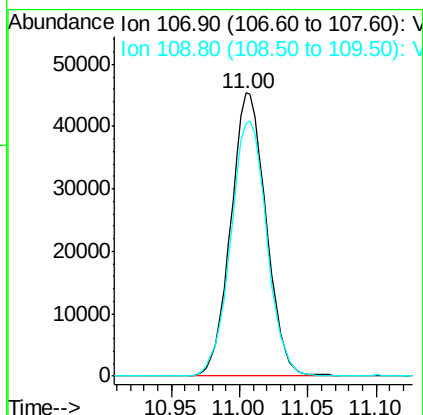
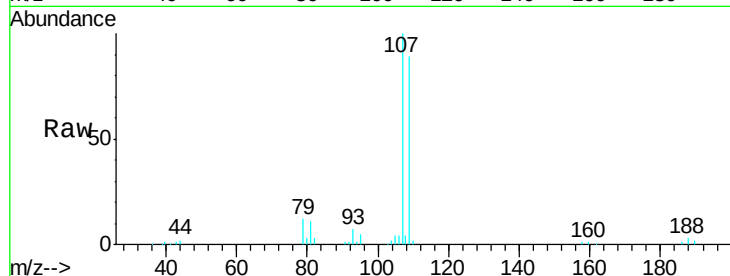




#61
 1,2-Dibromoethane
 Concen: 21.848 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

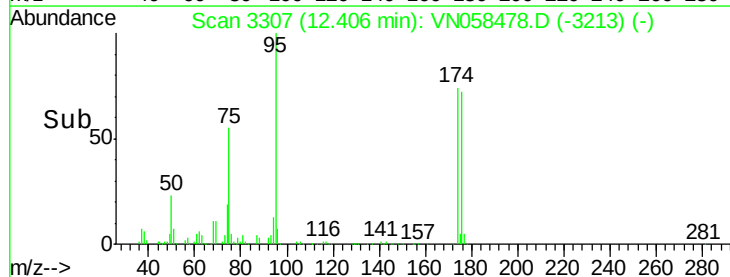
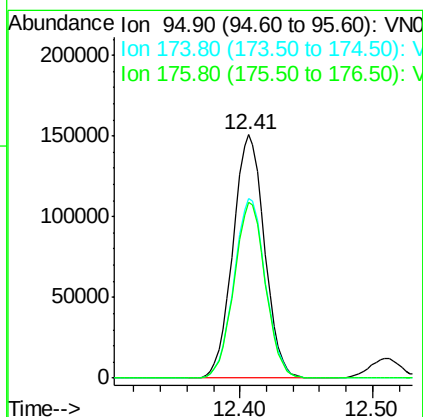
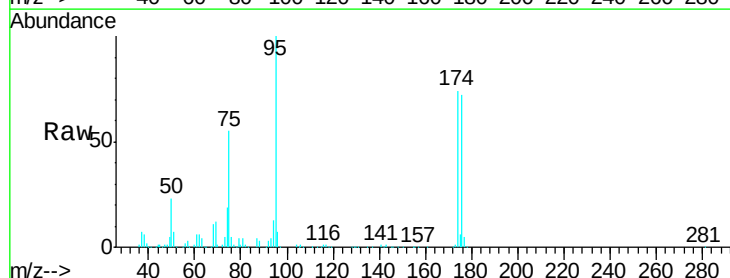
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

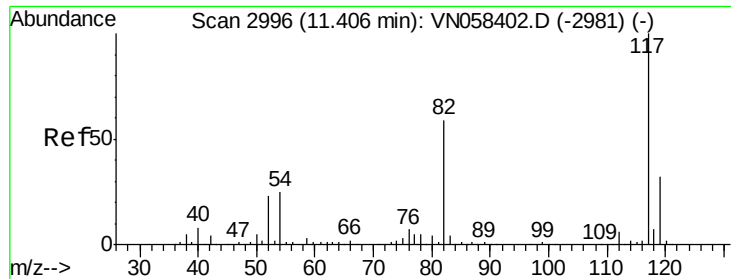
Tgt Ion: 107 Resp: 81609
 Ion Ratio Lower Upper
 107 100
 109 92.1 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 49.400 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion: 95 Resp: 248882
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 150.6
 176 71.5 0.0 146.2

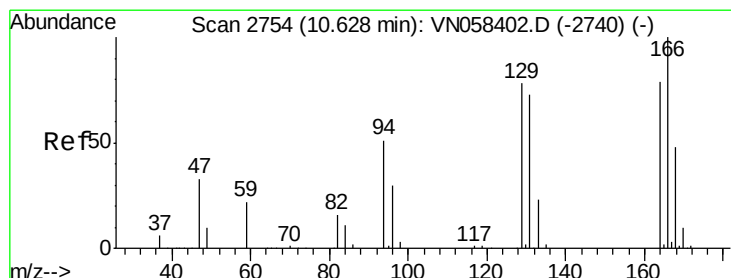
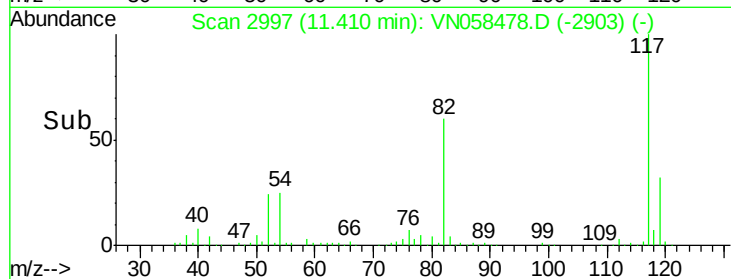
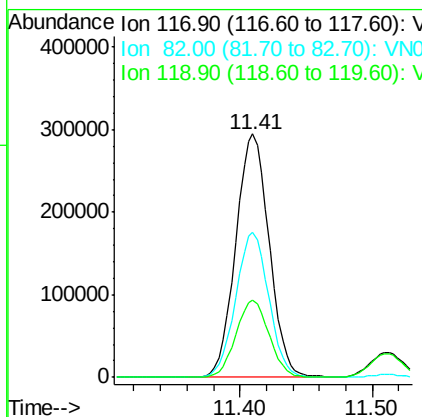
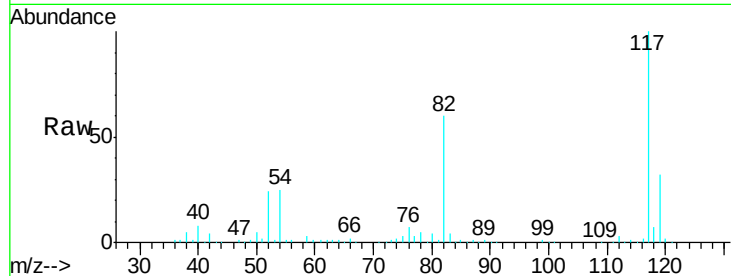




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

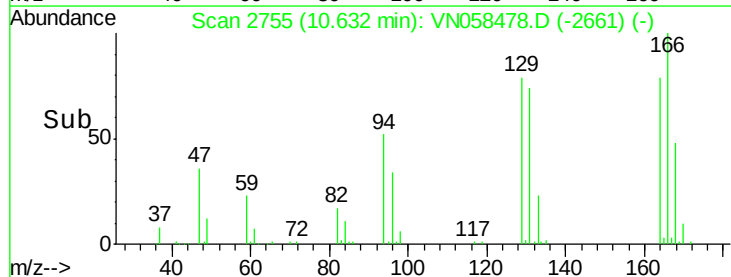
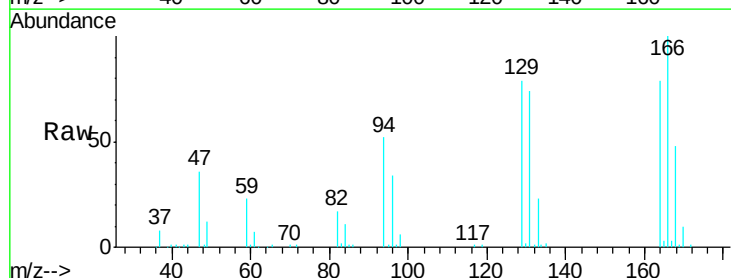
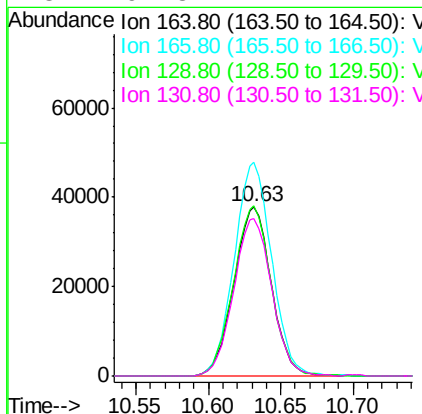
Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

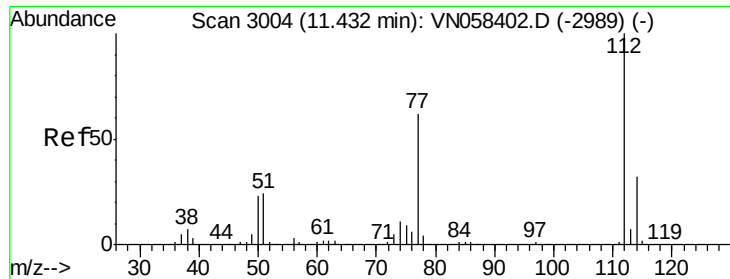
Tgt Ion:117 Resp: 515707
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.0
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 20.748 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion:164 Resp: 67979
Ion Ratio Lower Upper
164 100
166 126.0 101.1 151.7
129 100.1 79.2 118.8
131 92.8 74.1 111.1

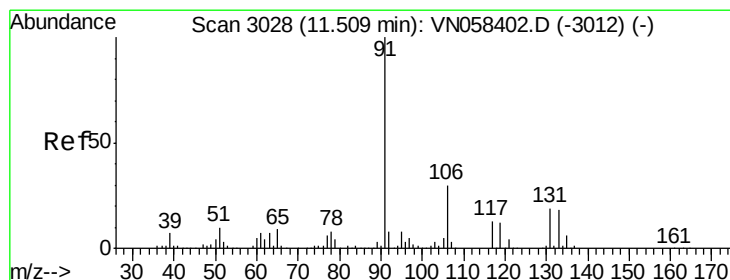
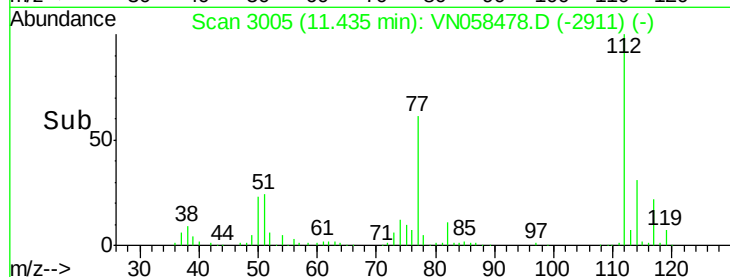
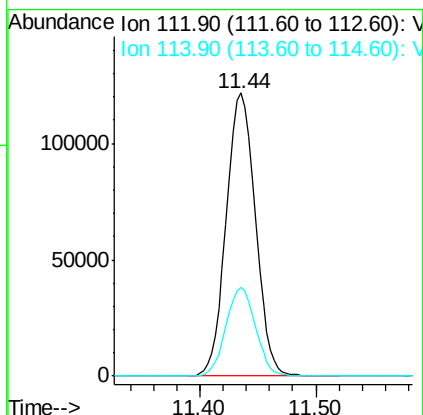
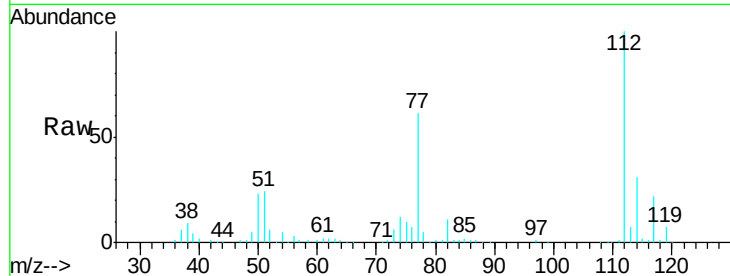




#65
Chlorobenzene
Concen: 20.663 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

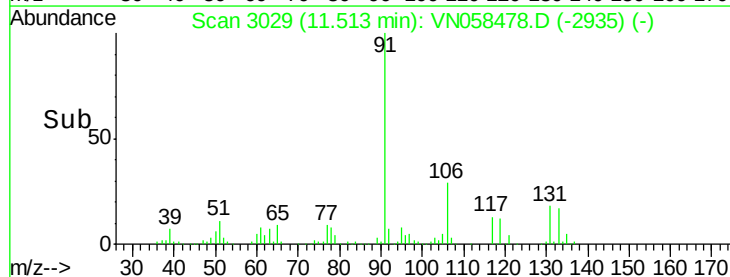
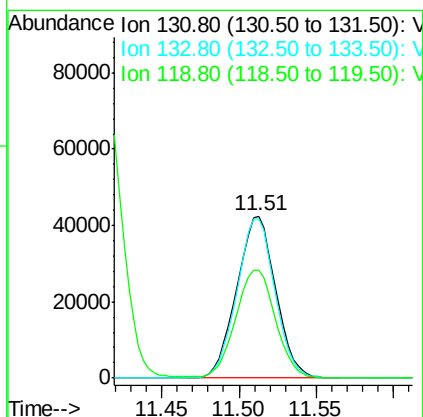
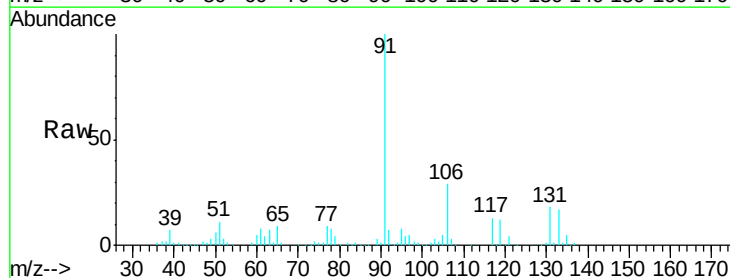
Instrument :
MSVOA_N
ClientSampled :
VN1002WBS01

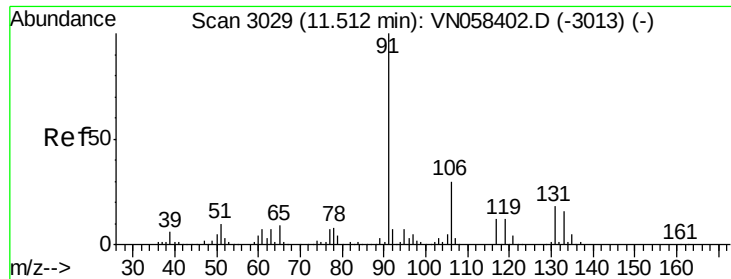
Tgt Ion:112 Resp: 211822
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.596 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion:131 Resp: 74590
Ion Ratio Lower Upper
131 100
133 95.8 47.8 143.3
119 68.3 33.0 99.0

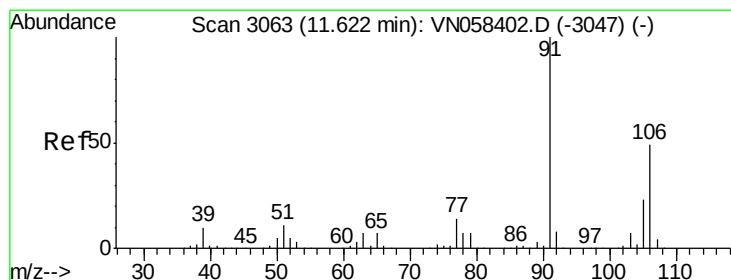
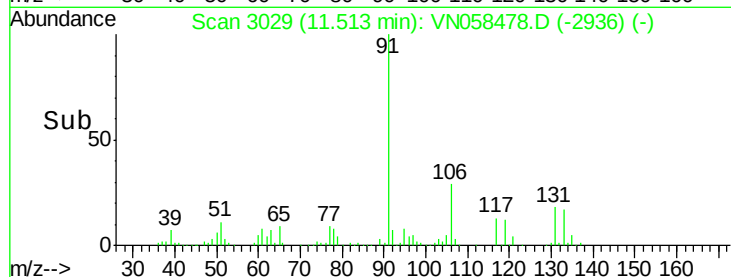
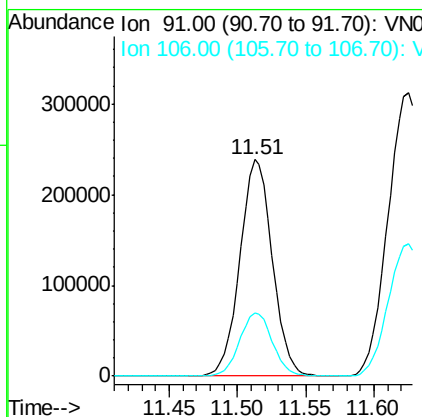
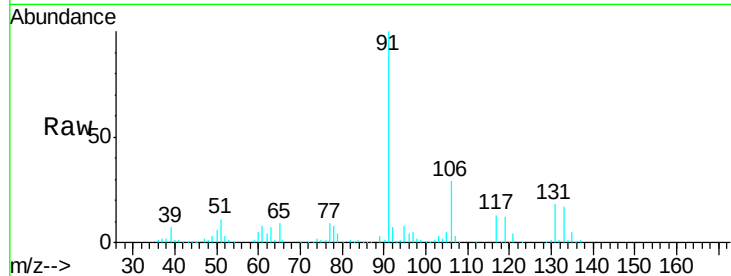




#67
Ethyl Benzene
Concen: 21.240 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

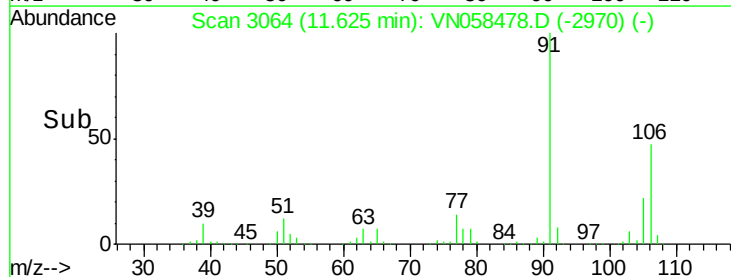
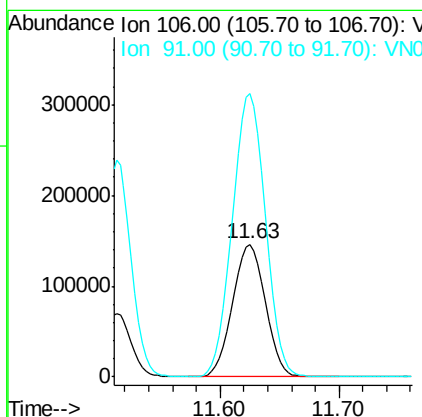
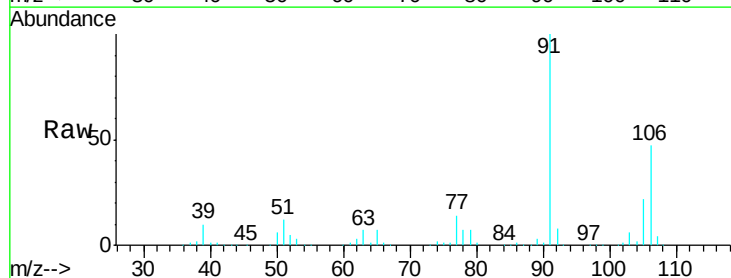
Instrument :
MSVOA_N
ClientSampled :
VN1002WBS01

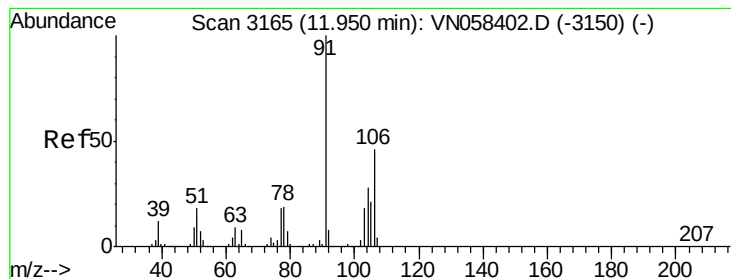
Tgt Ion: 91 Resp: 394382
Ion Ratio Lower Upper
91 100
106 29.3 24.3 36.5



#68
m/p-Xylenes
Concen: 40.020 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion: 106 Resp: 279573
Ion Ratio Lower Upper
106 100
91 214.8 165.0 247.4





#69

o-Xylene

Concen: 20.364 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampled :

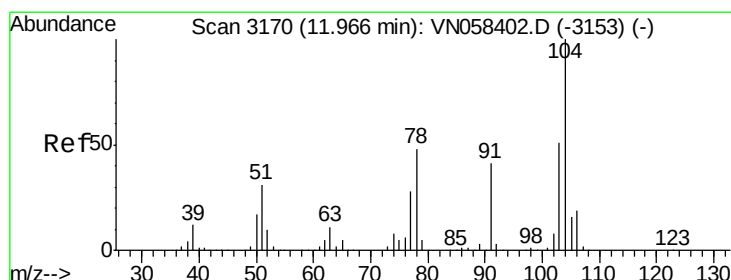
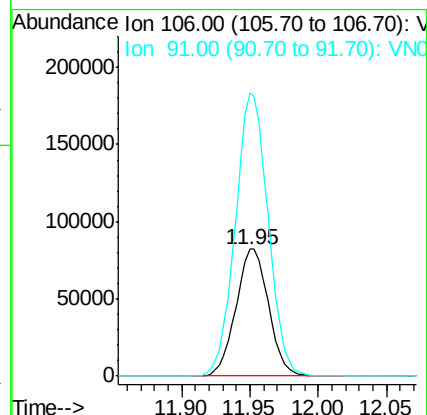
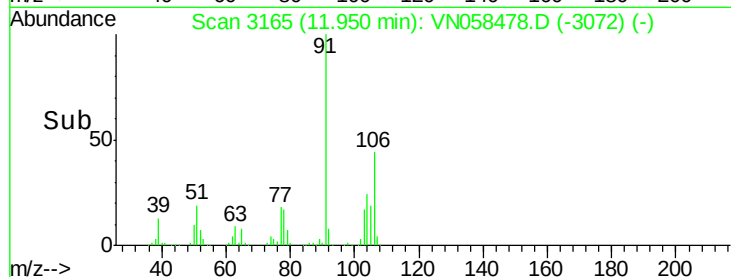
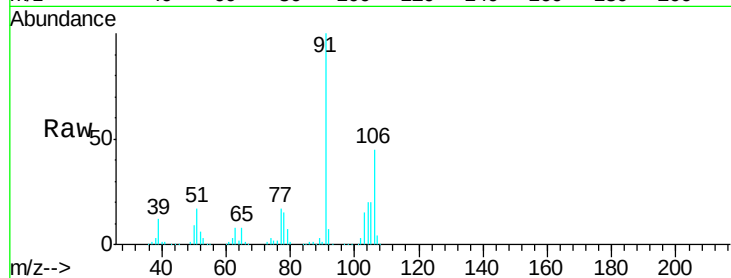
VN1002WBS01

Tgt Ion:106 Resp: 136945

Ion Ratio Lower Upper

106 100

91 223.4 109.1 327.4



#70

Styrene

Concen: 21.222 ug/l

RT: 11.97 min Scan# 3171

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

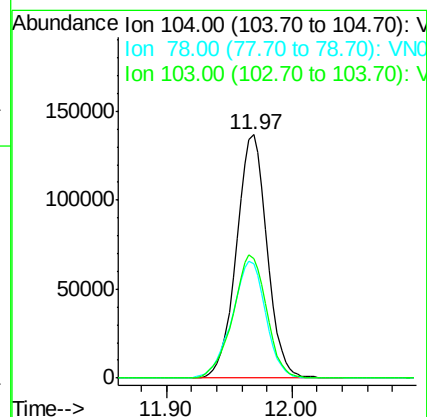
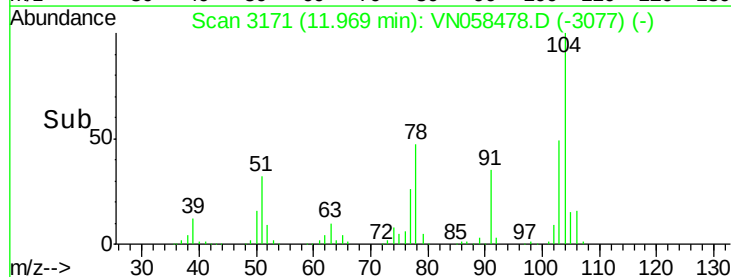
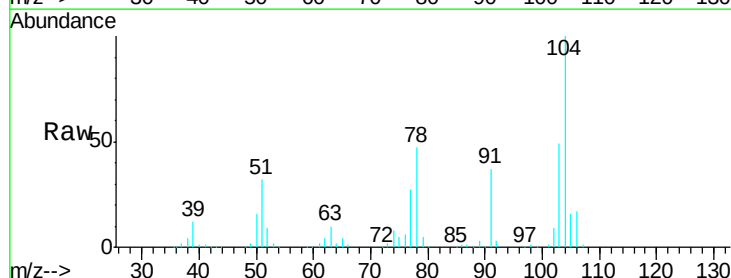
Tgt Ion:104 Resp: 231854

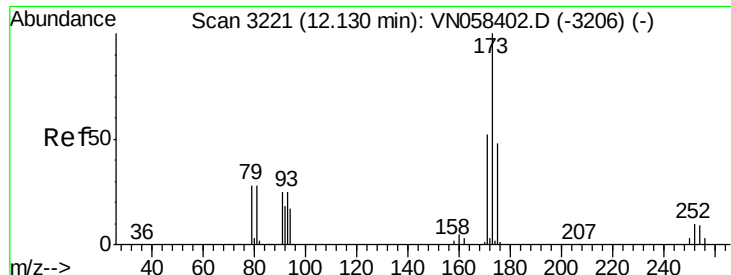
Ion Ratio Lower Upper

104 100

78 53.0 42.8 64.2

103 55.5 43.7 65.5





#71

Bromoform

Concen: 20.246 ug/l

RT: 12.13 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

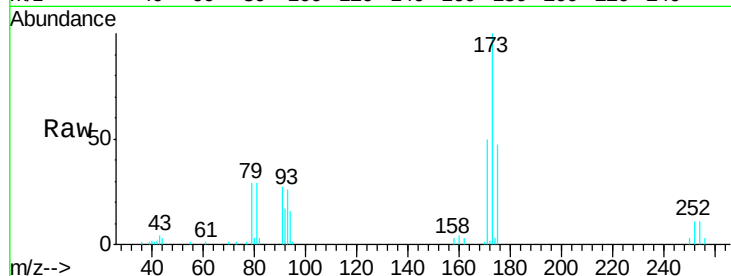
Tgt Ion:173 Resp: 47322

Ion Ratio Lower Upper

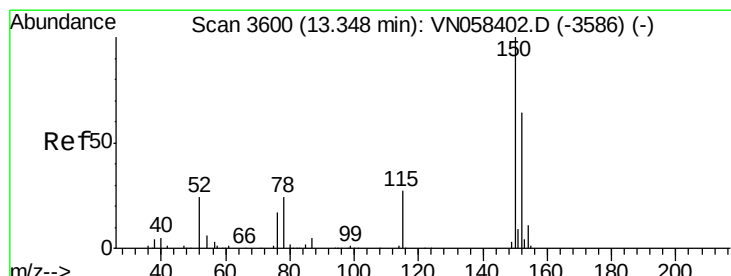
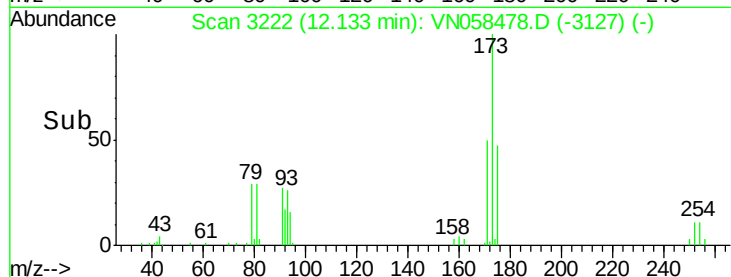
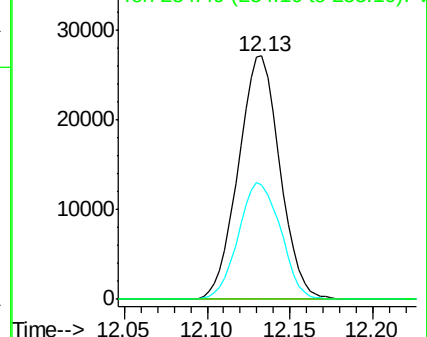
173 100

175 48.7 24.3 73.0

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# 3601

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

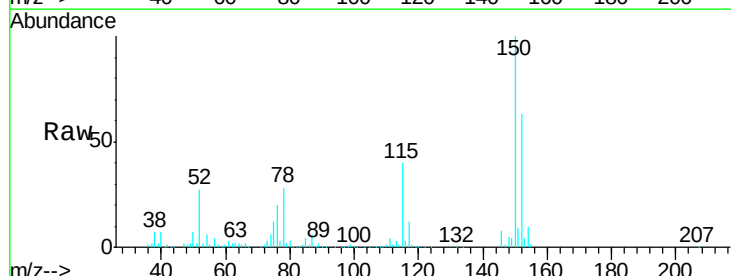
Tgt Ion:152 Resp: 236030

Ion Ratio Lower Upper

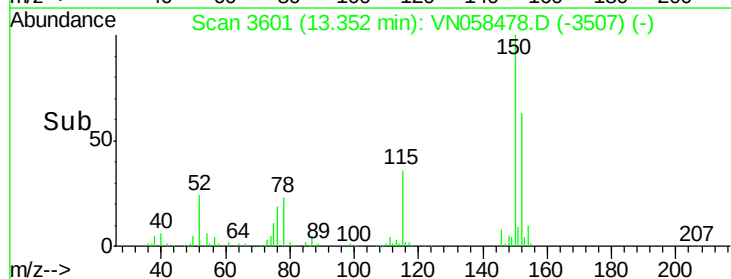
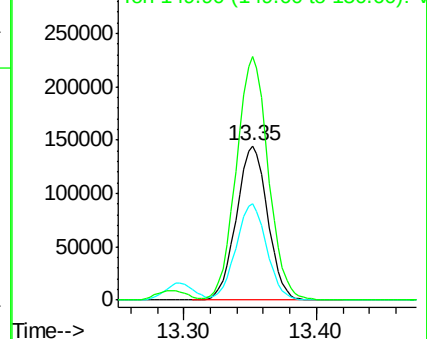
152 100

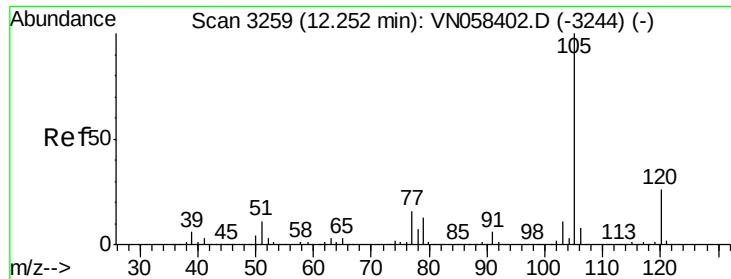
115 61.6 30.0 90.0

150 161.9 0.0 348.2



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: 21.523 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampled :

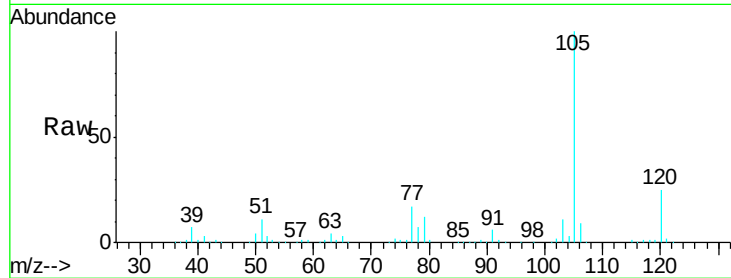
VN1002WBS01

Tgt Ion: 105 Resp: 375438

Ion Ratio Lower Upper

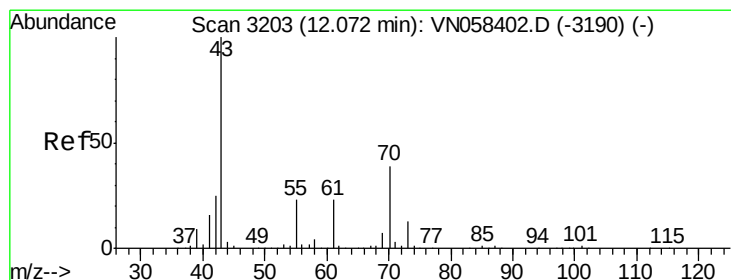
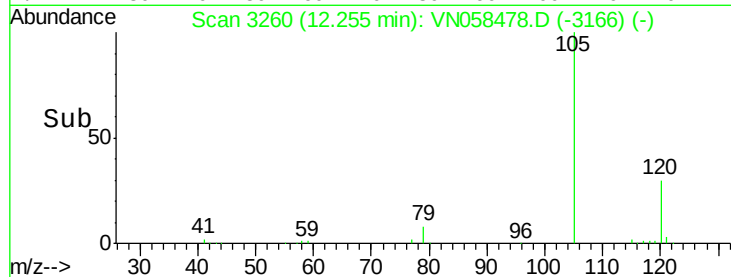
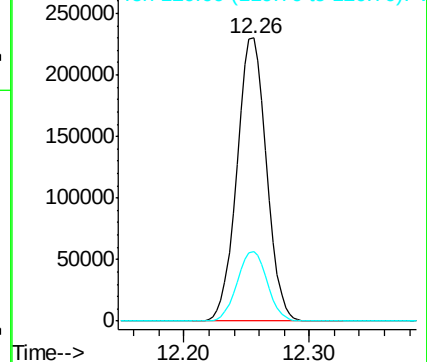
105 100

120 25.2 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.875 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Tgt Ion: 43 Resp: 151802

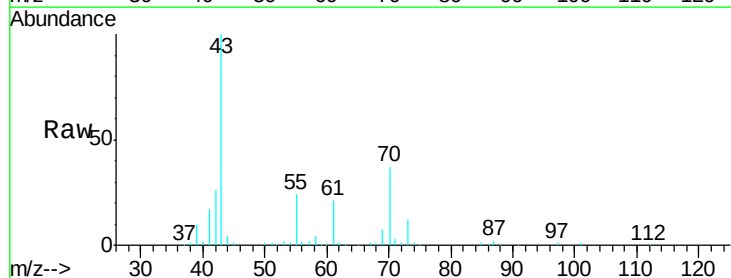
Ion Ratio Lower Upper

43 100

70 37.6 31.4 47.2

55 24.2 18.2 27.4

61 21.4 18.3 27.5

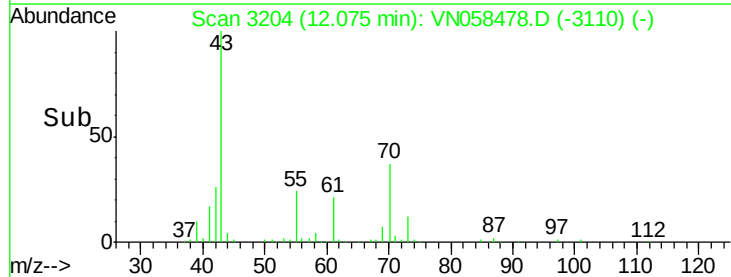
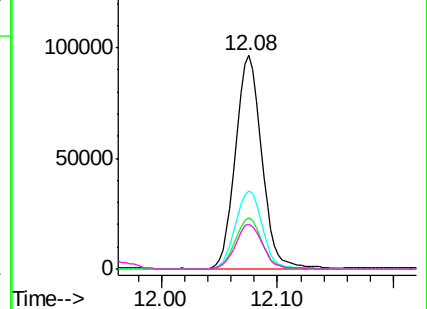


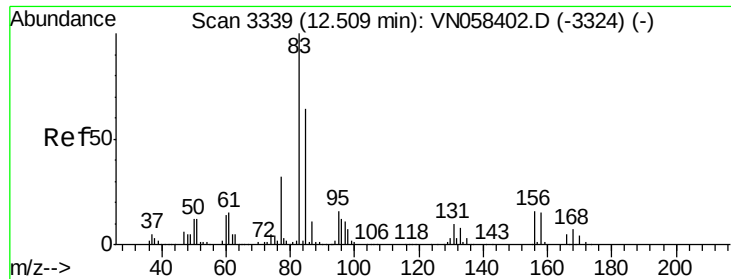
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 23.284 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

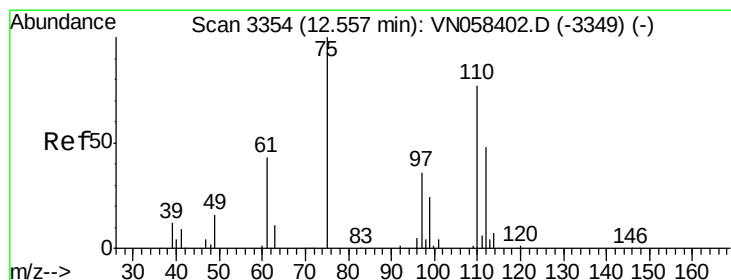
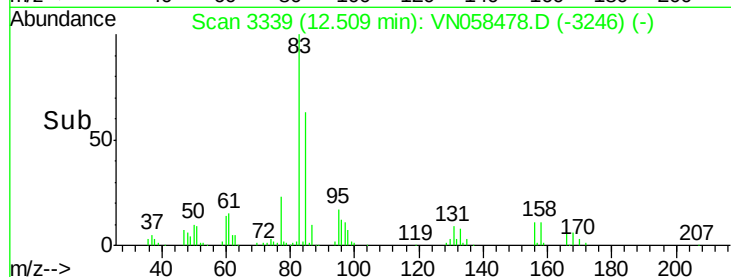
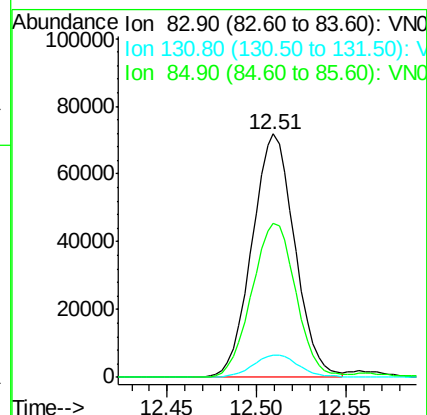
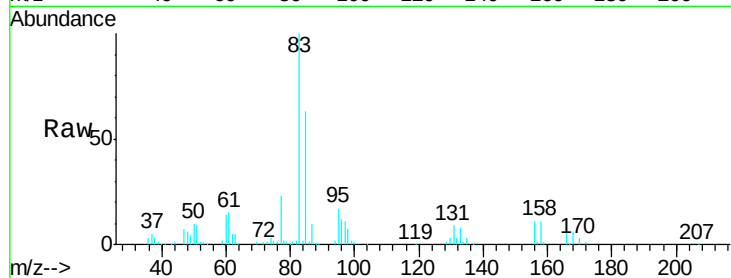
Tgt Ion: 83 Resp: 120100

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

85 65.4 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 33.516 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058478.D

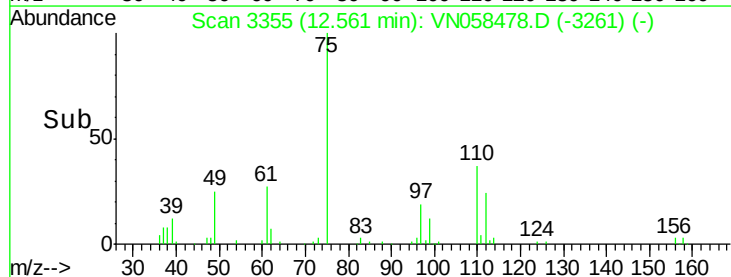
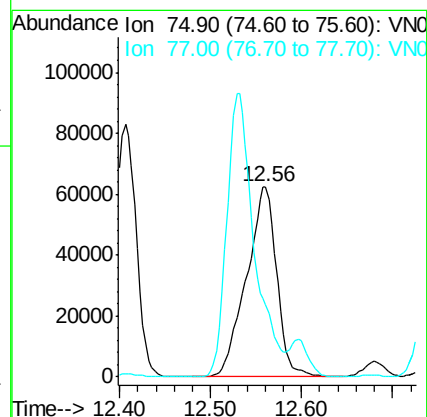
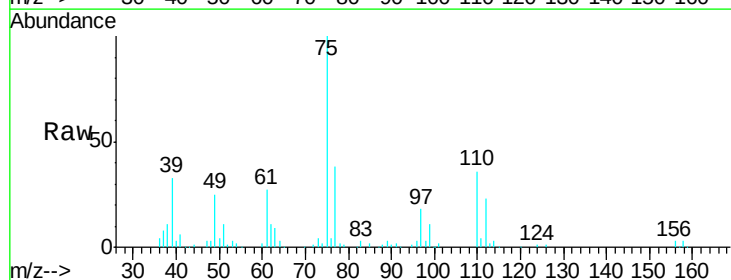
Acq: 2 Oct 2019 16:38

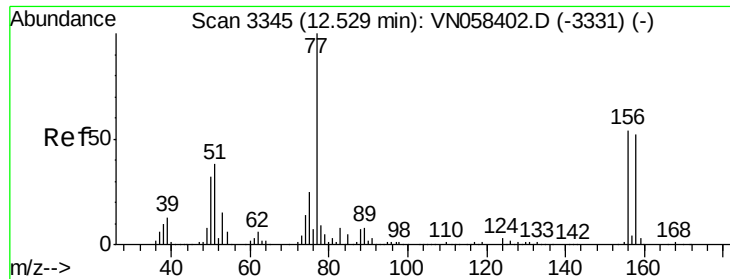
Tgt Ion: 75 Resp: 144491

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.560 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampled :

VN1002WBS01

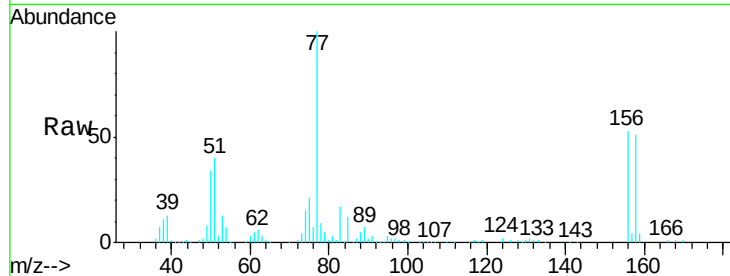
Tgt Ion:156 Resp: 84091

Ion Ratio Lower Upper

156 100

77 234.0 110.0 330.0

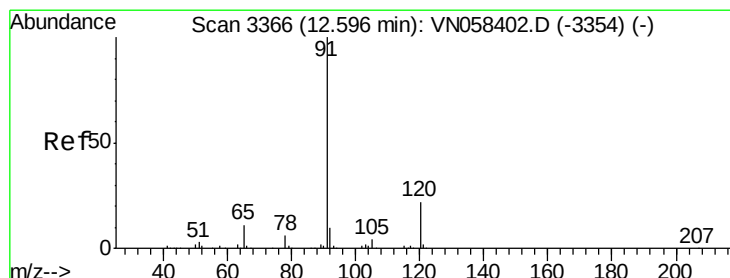
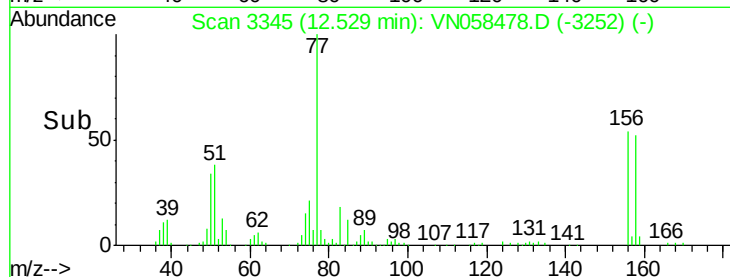
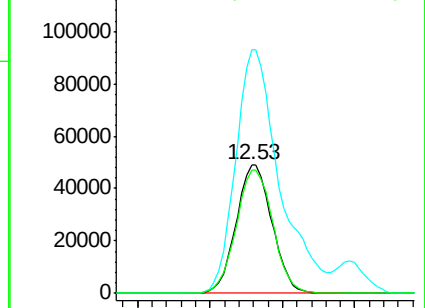
158 98.4 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.220 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058478.D

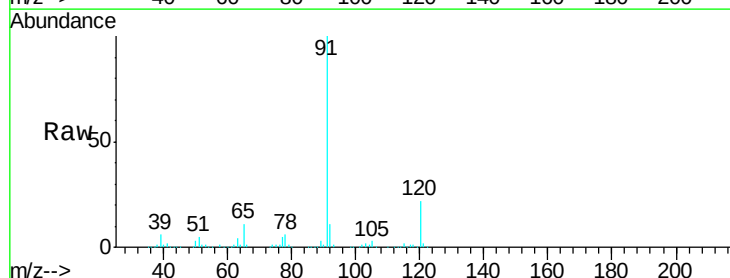
Acq: 2 Oct 2019 16:38

Tgt Ion: 91 Resp: 436659

Ion Ratio Lower Upper

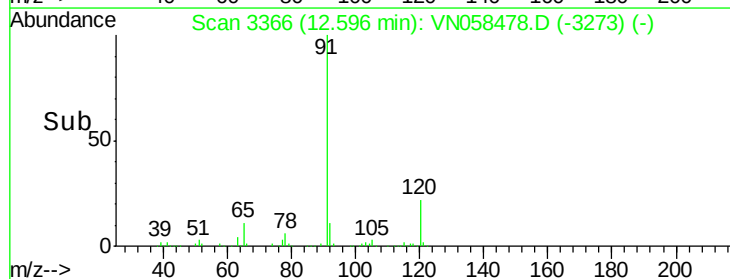
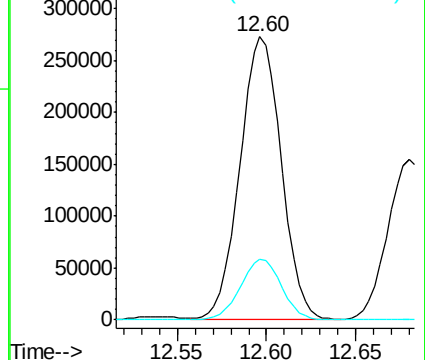
91 100

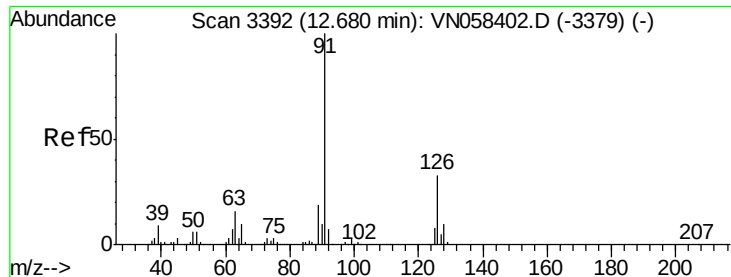
120 21.5 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.075 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampled :

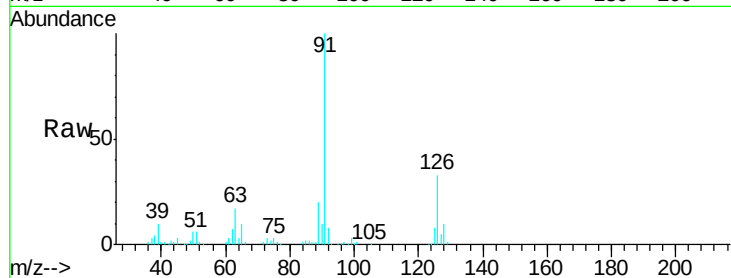
VN1002WBS01

Tgt Ion: 91 Resp: 255638

Ion Ratio Lower Upper

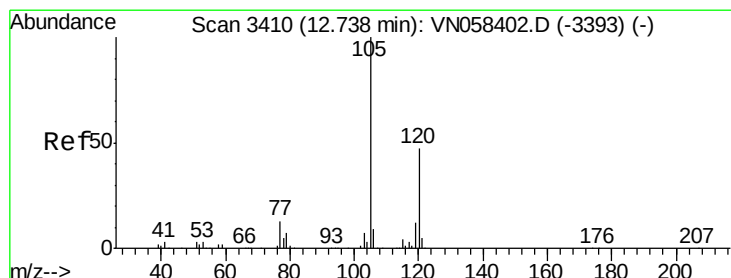
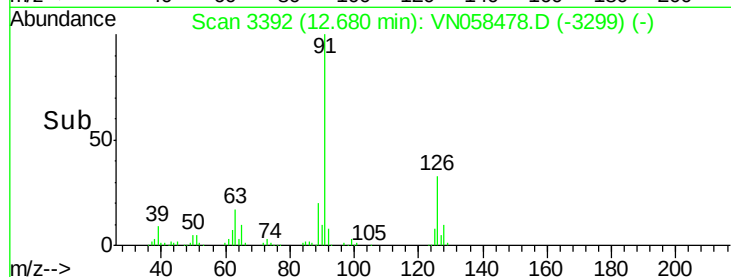
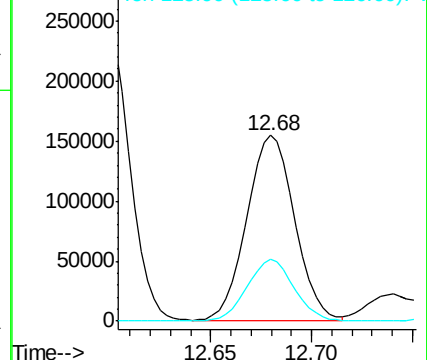
91 100

126 32.8 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.596 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058478.D

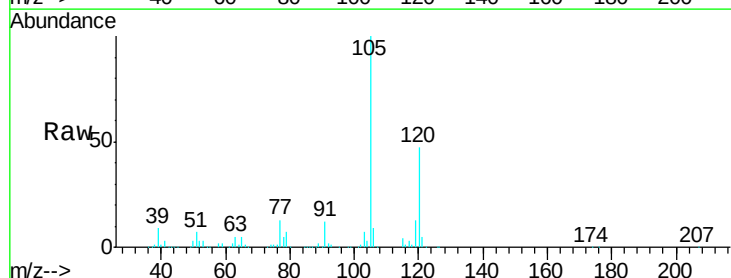
Acq: 2 Oct 2019 16:38

Tgt Ion: 105 Resp: 315333

Ion Ratio Lower Upper

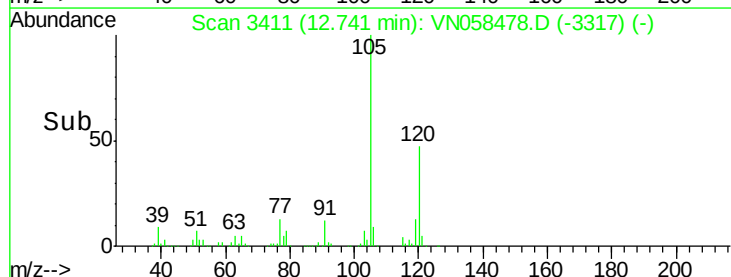
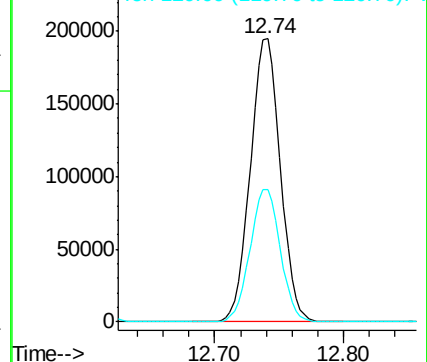
105 100

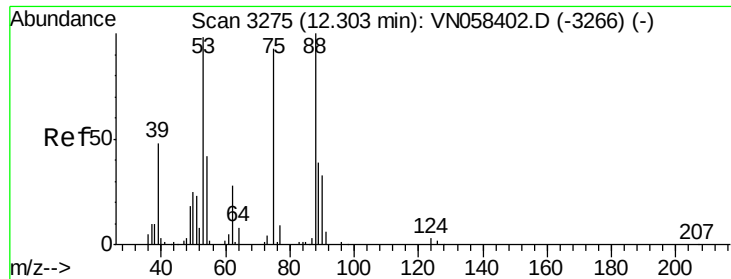
120 47.3 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.421 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

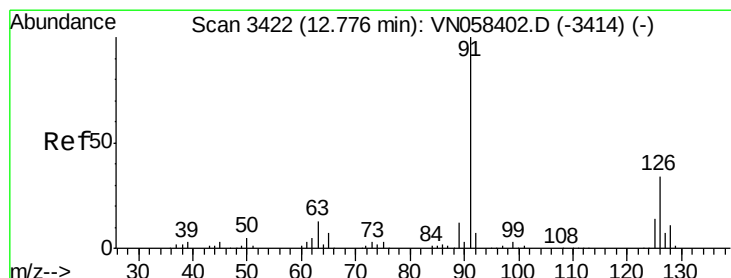
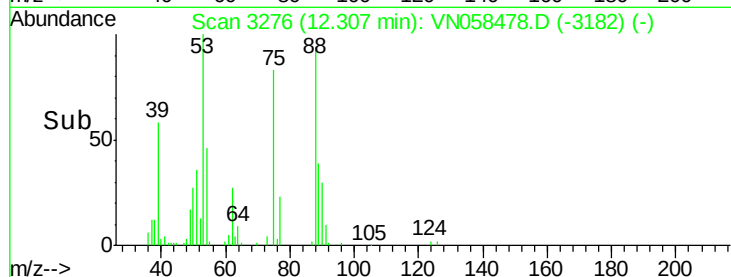
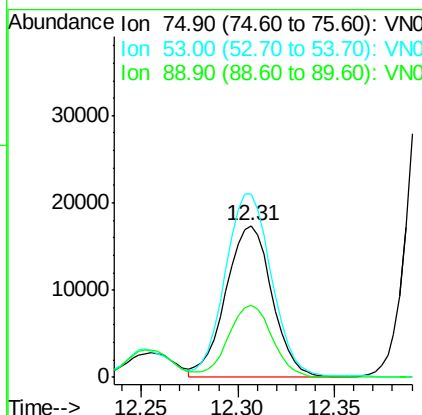
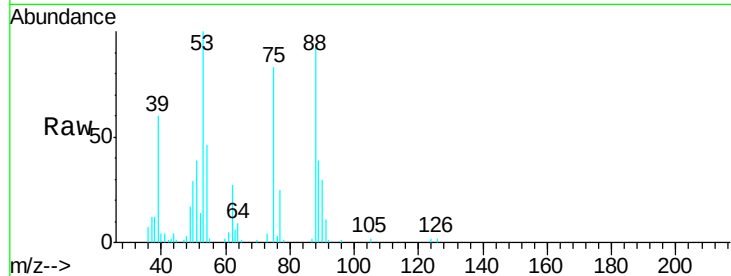
Tgt Ion: 75 Resp: 28987

Ion Ratio Lower Upper

75 100

53 119.4 85.4 128.0

89 45.1 35.0 52.4



#82

4-Chlorotoluene

Concen: 21.149 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058478.D

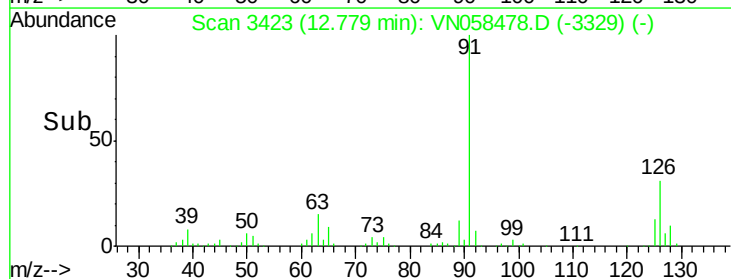
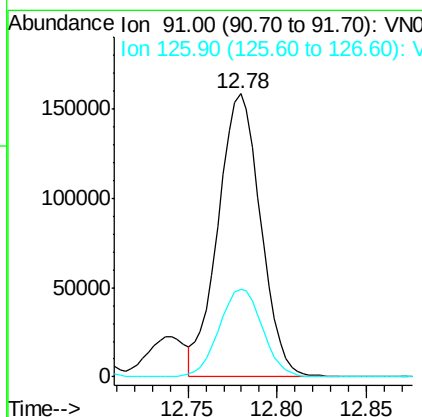
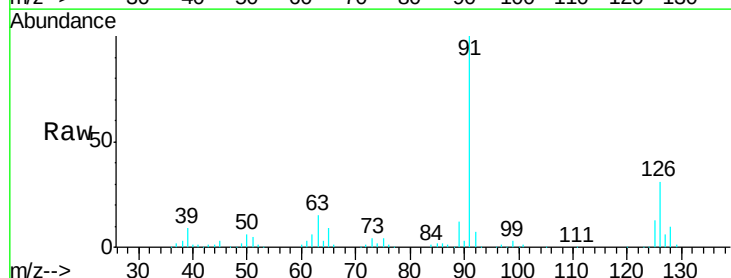
Acq: 2 Oct 2019 16:38

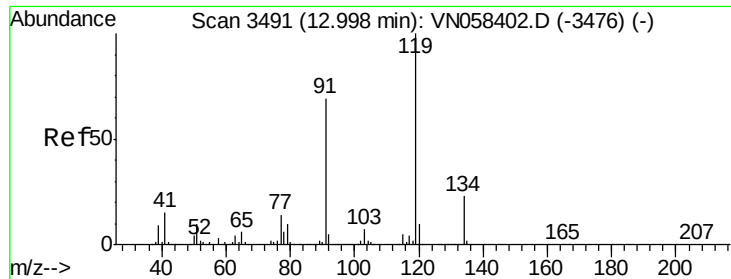
Tgt Ion: 91 Resp: 261763

Ion Ratio Lower Upper

91 100

126 31.9 15.9 47.7

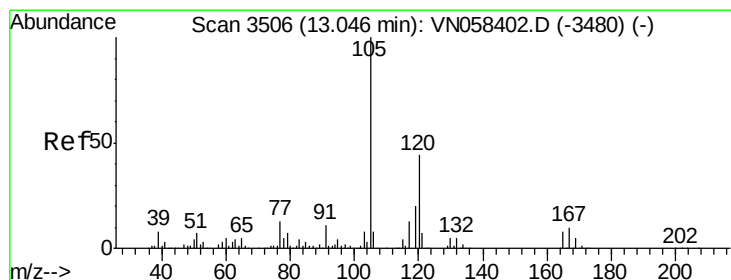
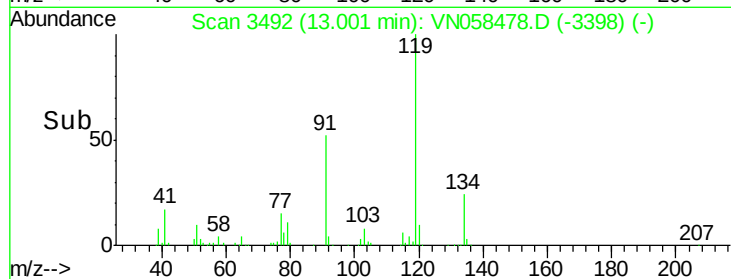
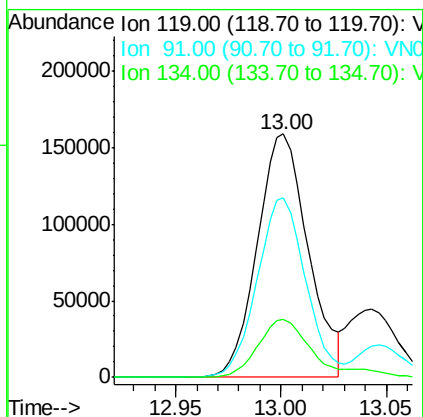
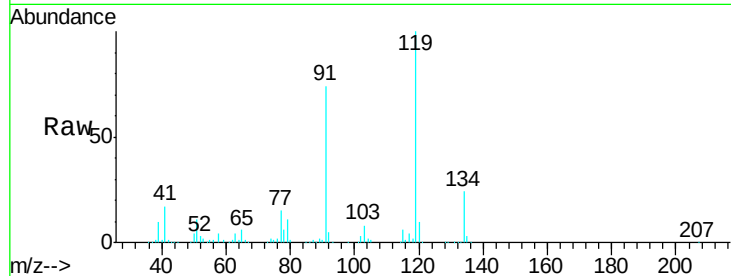




#83
 tert-Butylbenzene
 Concen: 21.657 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

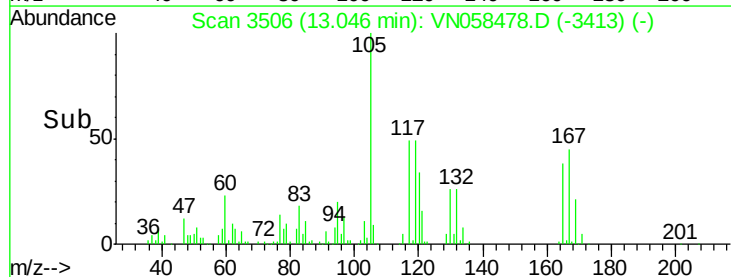
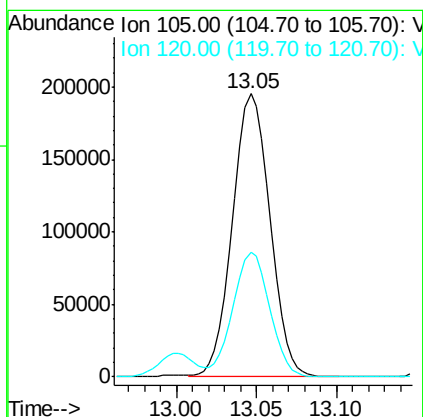
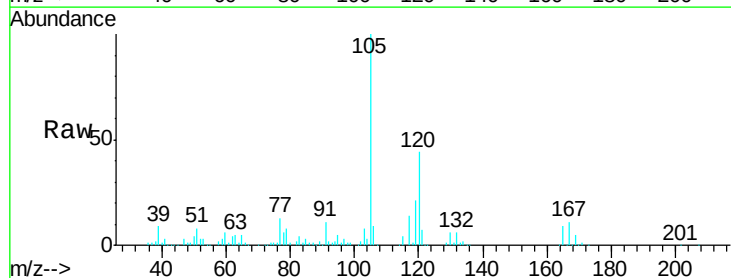
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

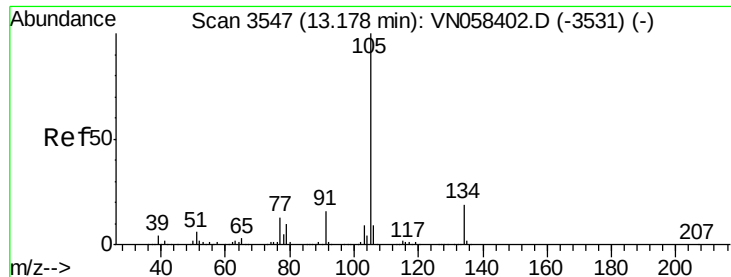
Tgt Ion:119 Resp: 266838
 Ion Ratio Lower Upper
 119 100
 91 70.5 34.2 102.6
 134 26.0 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.255 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion:105 Resp: 310947
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.7 65.1





#85

sec-Butylbenzene

Concen: 22.290 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

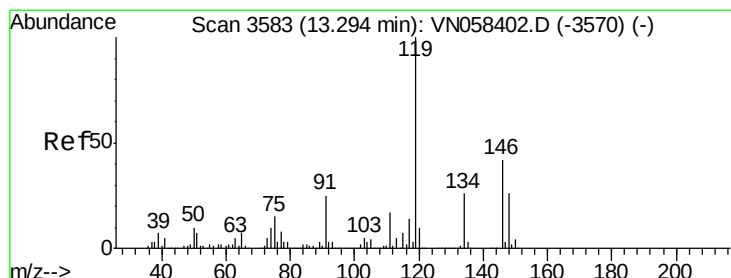
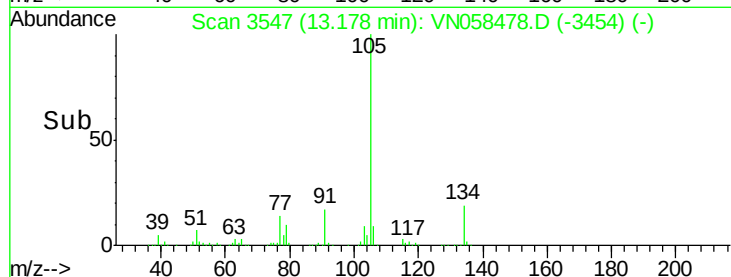
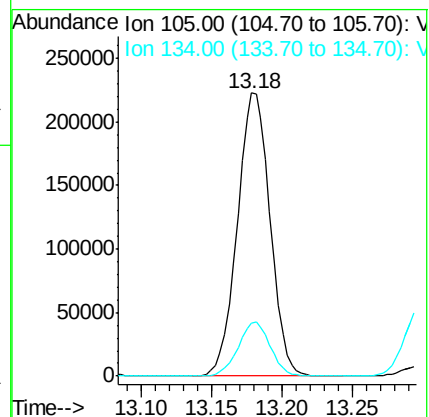
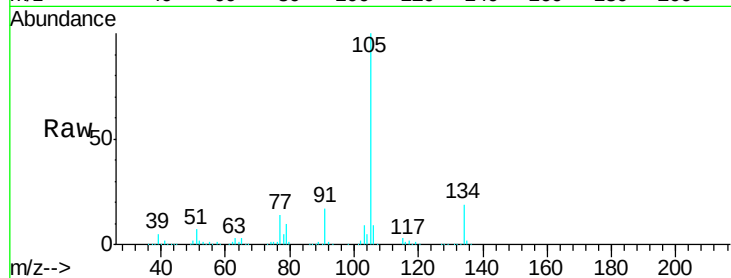
VN1002WBS01

Tgt Ion:105 Resp: 361476

Ion Ratio Lower Upper

105 100

134 18.7 9.4 28.2



#86

p-Isopropyltoluene

Concen: 22.235 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

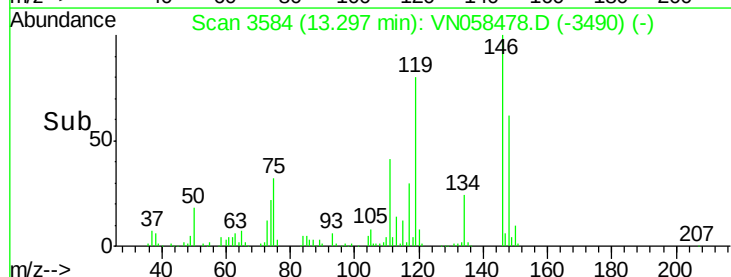
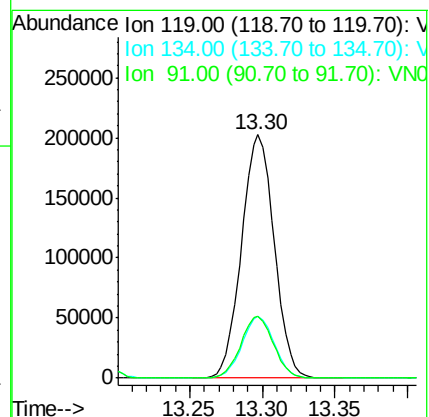
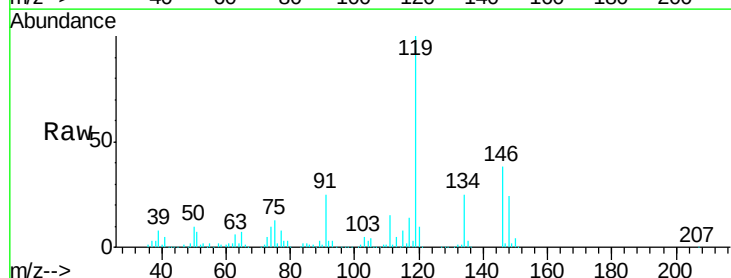
Tgt Ion:119 Resp: 317405

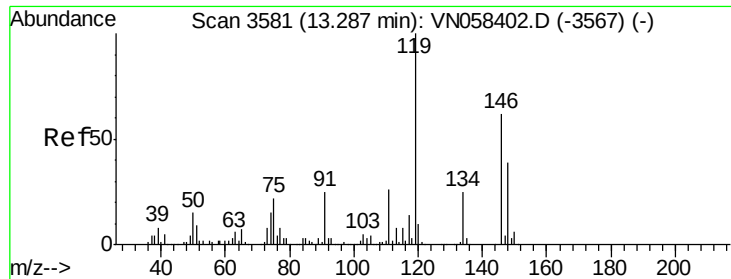
Ion Ratio Lower Upper

119 100

134 25.0 13.0 39.0

91 24.9 12.4 37.0

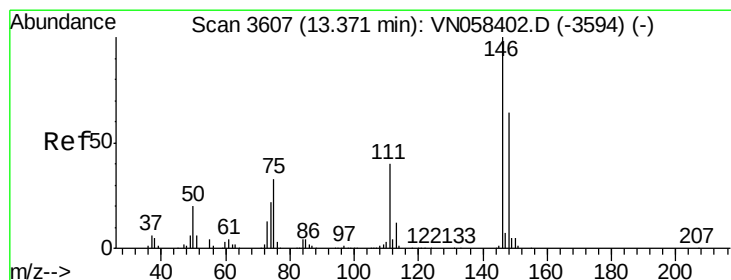
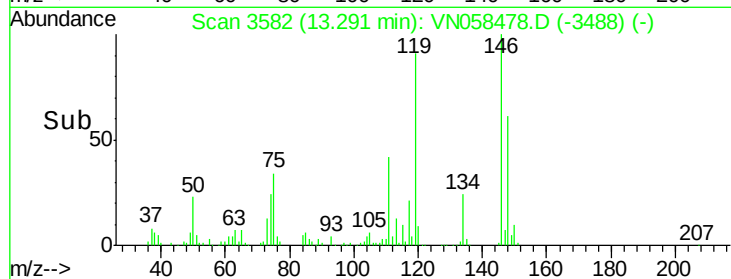
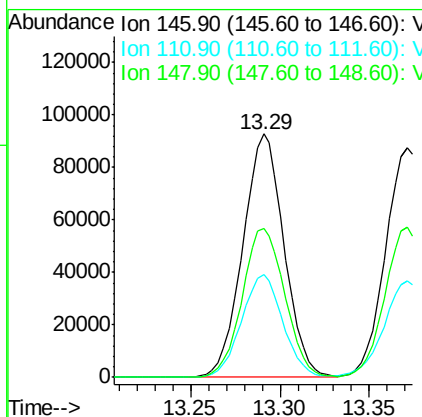
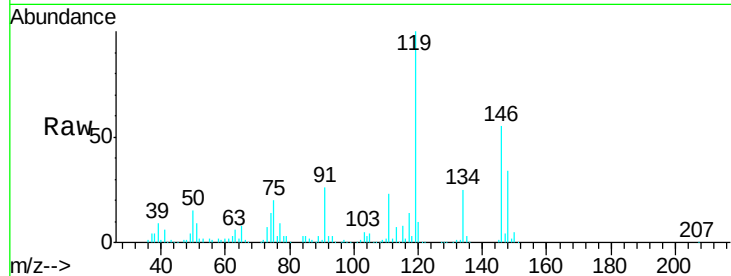




#87
 1,3-Dichlorobenzene
 Concen: 20.170 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

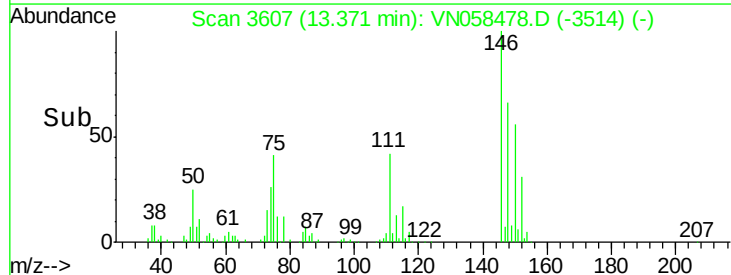
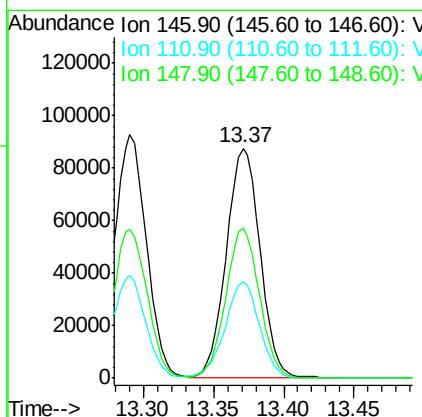
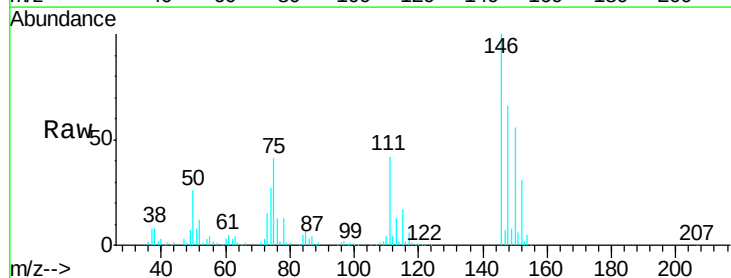
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

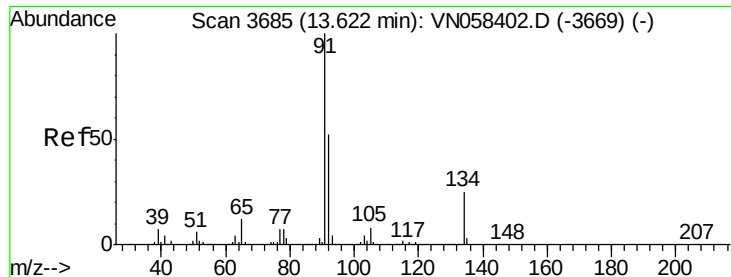
Tgt Ion:146 Resp: 149591
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.8 62.4
 148 63.4 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 19.822 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion:146 Resp: 146259
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.5 61.6
 148 65.3 31.5 94.5

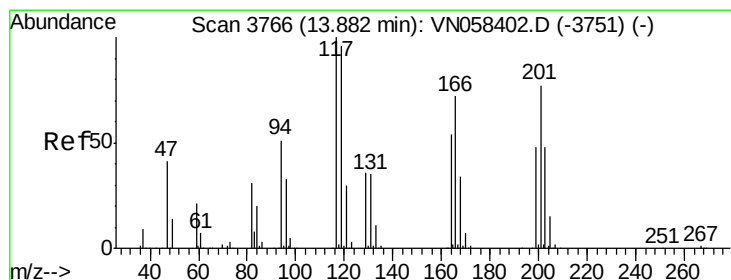
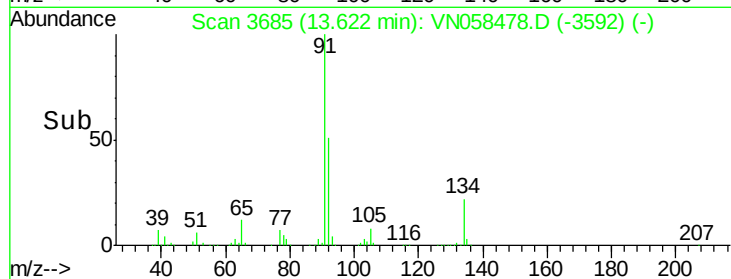
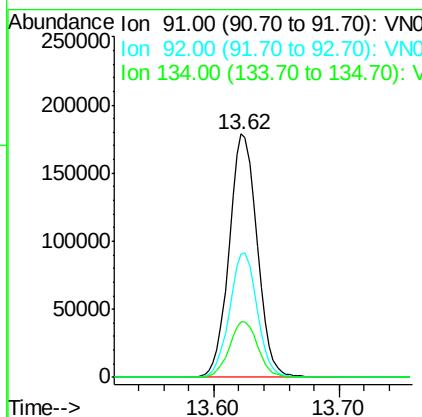
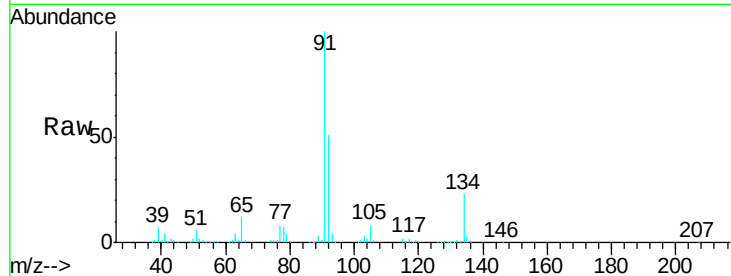




#89
n-Butylbenzene
Concen: 21.421 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

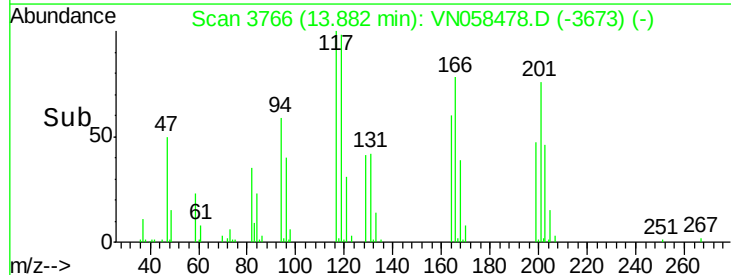
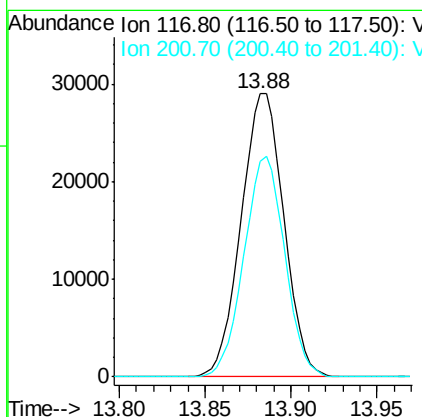
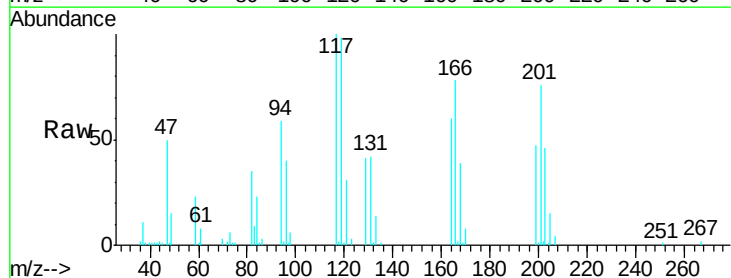
Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

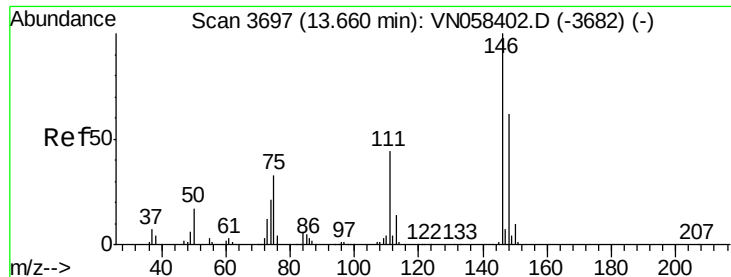
Tgt Ion: 91 Resp: 276995
Ion Ratio Lower Upper
91 100
92 50.8 25.7 77.1
134 23.5 12.2 36.6



#90
Hexachloroethane
Concen: 23.394 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058478.D
Acq: 2 Oct 2019 16:38

Tgt Ion: 117 Resp: 50174
Ion Ratio Lower Upper
117 100
201 74.1 38.6 116.0

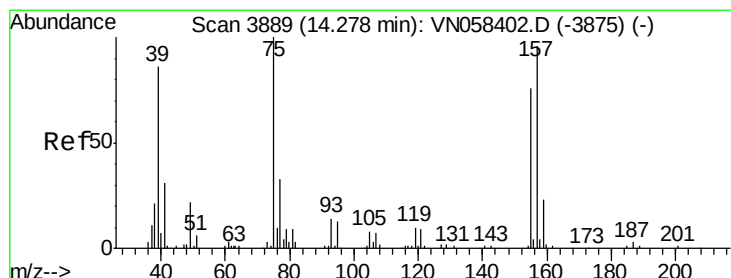
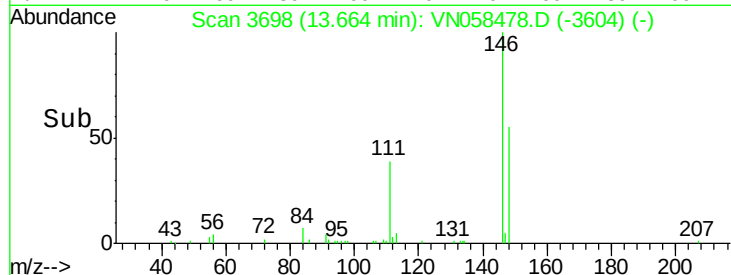
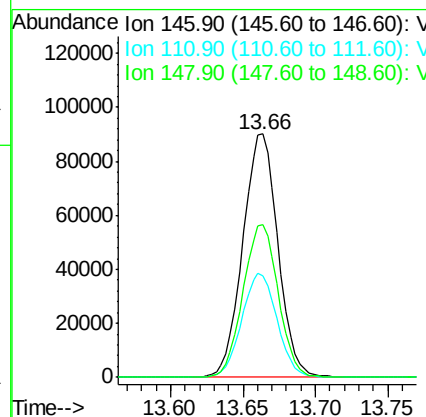
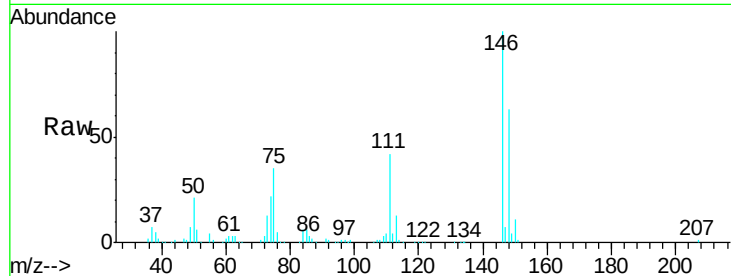




#91
 1,2-Dichlorobenzene
 Concen: 21.313 ug/l
 RT: 13.66 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

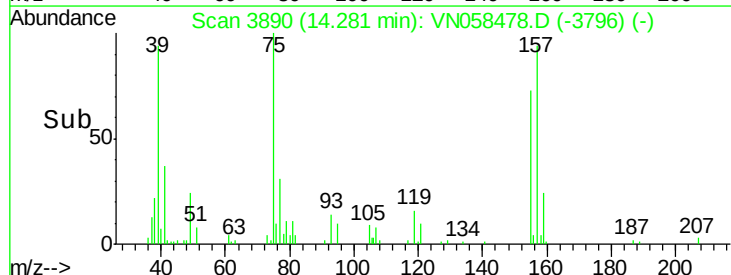
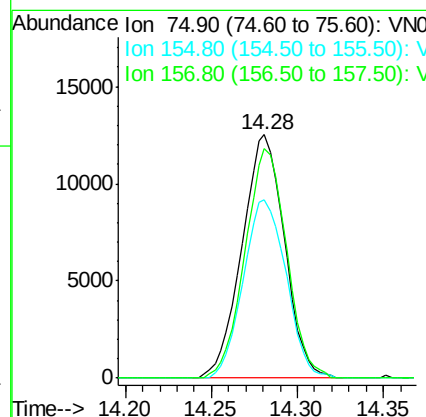
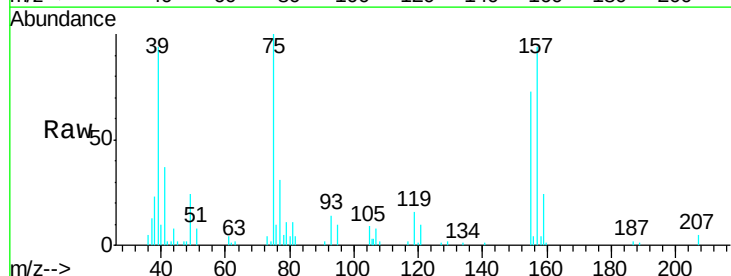
Instrument :
 MSVOA_N
 ClientSampled :
 VN1002WBS01

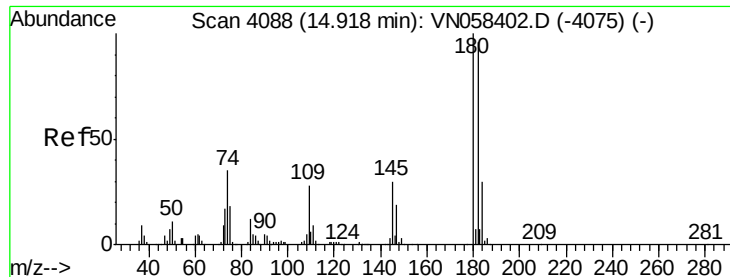
Tgt Ion: 146 Resp: 151872
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.8 65.3
 148 62.9 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.732 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion: 75 Resp: 21586
 Ion Ratio Lower Upper
 75 100
 155 73.6 39.2 117.6
 157 91.8 48.7 146.1

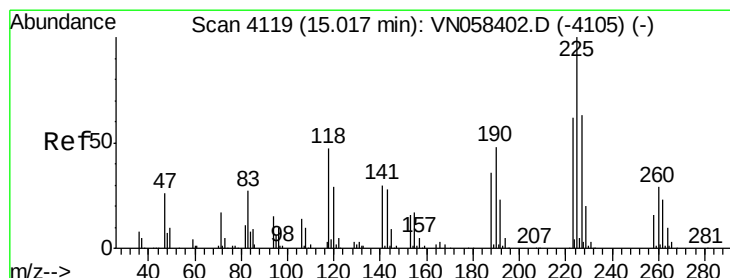
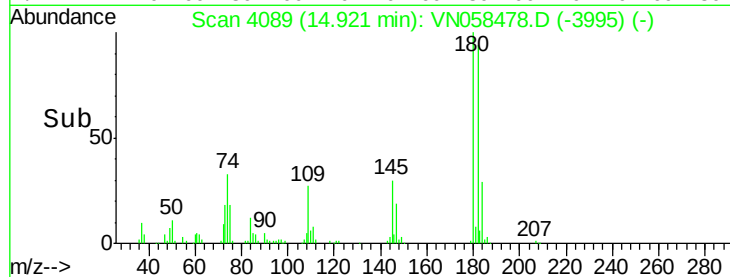
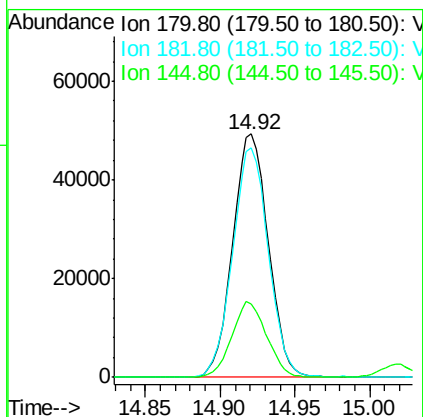
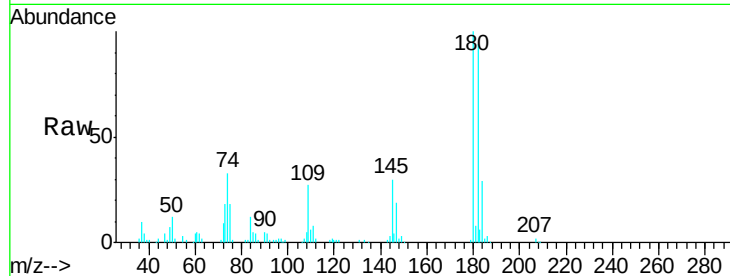




#93
 1,2,4-Trichlorobenzene
 Concen: 20.779 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

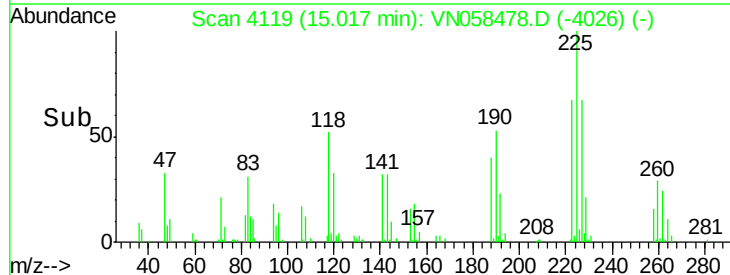
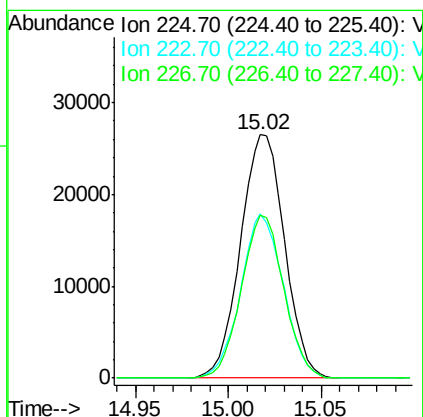
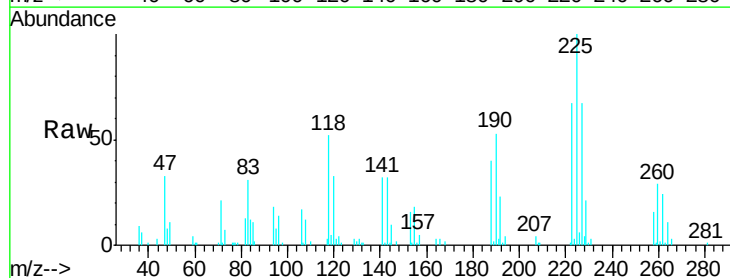
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

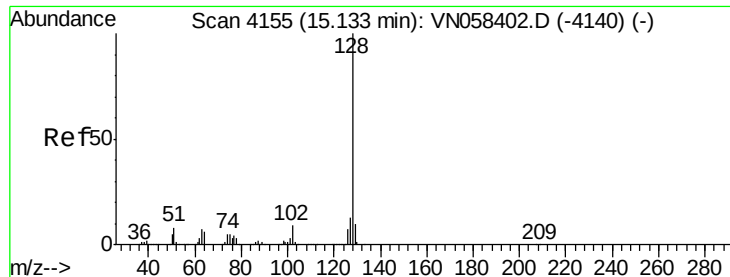
Tgt Ion:180 Resp: 81820
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.4 142.3
 145 30.2 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 21.674 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058478.D
 Acq: 2 Oct 2019 16:38

Tgt Ion:225 Resp: 43866
 Ion Ratio Lower Upper
 225 100
 223 65.3 31.1 93.5
 227 64.3 31.4 94.2





#95

Naphthalene

Concen: 19.214 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

Instrument :

MSVOA_N

ClientSampled :

VN1002WBS01

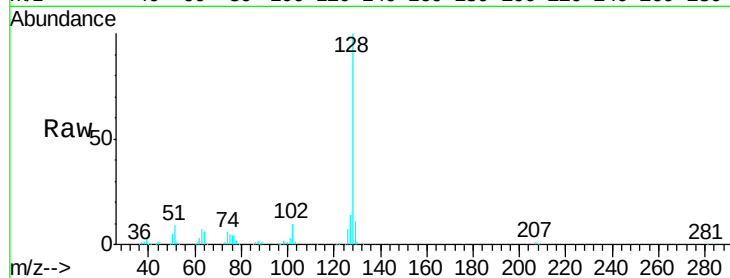
Tgt Ion:128 Resp: 221779

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

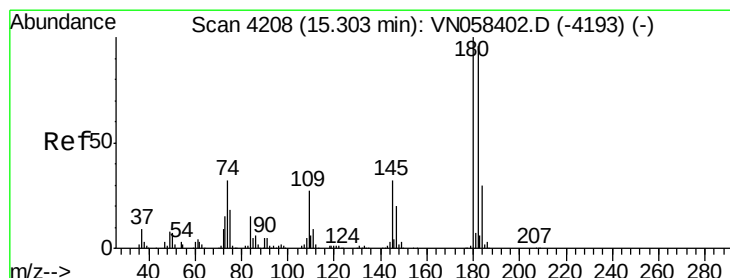
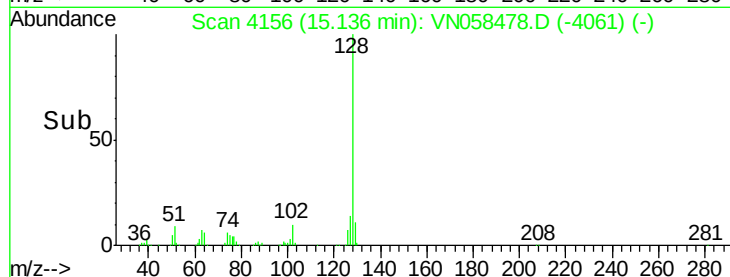
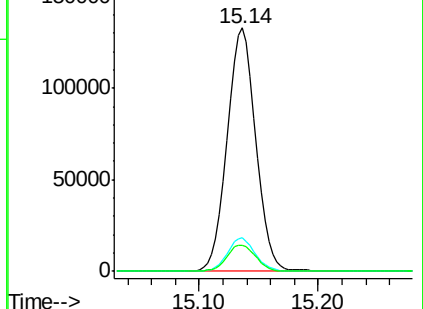
129 11.0 8.3 12.5



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: 20.226 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058478.D

Acq: 2 Oct 2019 16:38

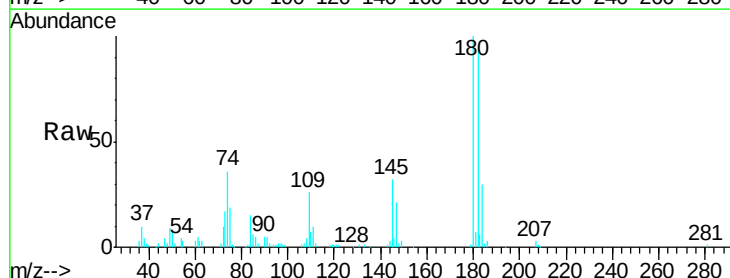
Tgt Ion:180 Resp: 79909

Ion Ratio Lower Upper

180 100

182 94.3 48.3 144.9

145 32.7 16.1 48.3



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

