

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100219\
 Data File : VN058480.D
 Acq On : 2 Oct 2019 17:23
 Operator : JC/SP
 Sample : VN1002WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

Quant Time: Oct 03 05:11:34 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	333391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	584849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	520571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	233225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	268268	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	
35) Dibromofluoromethane	7.58	113	187371	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	10.09	98	717692	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.41	95	252053	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	78377	21.440	ug/l	98
3) Chloromethane	2.03	50	87960	21.886	ug/l	97
4) Vinyl Chloride	2.17	62	88421	22.459	ug/l	98
5) Bromomethane	2.55	94	47896	22.904	ug/l	93
6) Chloroethane	2.69	64	53326	22.606	ug/l	94
7) Trichlorofluoromethane	3.00	101	104465	21.988	ug/l	98
8) Diethyl Ether	3.39	74	44455	21.687	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70146	21.740	ug/l	98
10) Methyl Iodide	3.93	142	71789	20.066	ug/l	98
11) Tert butyl alcohol	4.77	59	71598	132.286	ug/l	100
12) 1,1-Dichloroethene	3.72	96	66395	21.111	ug/l	97
13) Acrolein	3.59	56	26993	156.803	ug/l	99
14) Allyl chloride	4.30	41	122583	21.418	ug/l	99
15) Acrylonitrile	4.97	53	200957	127.397	ug/l	99
16) Acetone	3.80	43	188479	113.486	ug/l	99
17) Carbon Disulfide	4.03	76	168589	20.335	ug/l	97
18) Methyl Acetate	4.31	43	96450	23.090	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	243827	21.973	ug/l	99
20) Methylene Chloride	4.53	84	81762	21.333	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	72261	20.662	ug/l	97
22) Diisopropyl ether	5.93	45	271968	22.082	ug/l	92
23) Vinyl Acetate	5.88	43	1115039	120.067	ug/l	99
24) 1,1-Dichloroethane	5.82	63	155586	22.446	ug/l	99
25) 2-Butanone	6.82	43	282441	123.865	ug/l	99
26) 2,2-Dichloropropane	6.81	77	116705	20.480	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	87334	21.366	ug/l	100
28) Bromochloromethane	7.18	49	65988	23.816	ug/l	95
29) Tetrahydrofuran	7.19	42	180772	124.908	ug/l	99
30) Chloroform	7.36	83	154644	22.016	ug/l	99
31) Cyclohexane	7.64	56	140501	20.838	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	127646	22.130	ug/l	98
36) 1,1-Dichloropropene	7.78	75	113232	20.248	ug/l	99
37) Ethyl Acetate	6.91	43	114456	24.140	ug/l	98
38) Carbon Tetrachloride	7.76	117	107416	21.280	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	132682	20.317	ug/l	96
40) Benzene	8.03	78	340493	21.182	ug/l	97
41) Methacrylonitrile	7.19	41	173590	79.583	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	132057	21.116	ug/l	100
43) Isopropyl Acetate	8.15	43	186278	20.893	ug/l	100
44) Trichloroethene	8.82	130	81114	20.436	ug/l	96
45) 1,2-Dichloropropane	9.11	63	92230	21.393	ug/l	99
46) Dibromomethane	9.20	93	58018	21.250	ug/l	98
47) Bromodichloromethane	9.40	83	116782	22.576	ug/l	98
48) Methyl methacrylate	9.19	41	90593	22.315	ug/l	99
49) 1,4-Dioxane	9.19	88	34426	634.170	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	582704	127.234	ug/l	99
52) Toluene	10.15	92	205858	20.346	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	117417	20.854	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	133219	21.315	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	83261	22.600	ug/l	98
56) Ethyl methacrylate	10.43	69	121908	21.807	ug/l	98
57) 1,3-Dichloropropane	10.71	76	144724	22.023	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	238828	107.140	ug/l	99
59) 2-Hexanone	10.75	43	421739	126.467	ug/l	99
60) Dibromochloromethane	10.90	129	78026	20.122	ug/l	98
61) 1,2-Dibromoethane	11.01	107	80202	21.305	ug/l	98
64) Tetrachloroethene	10.63	164	66993	20.256	ug/l	96
65) Chlorobenzene	11.44	112	212213	20.508	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	76261	21.874	ug/l	99
67) Ethyl Benzene	11.51	91	395034	21.077	ug/l	99
68) m/p-Xylenes	11.63	106	285194	40.443	ug/l	97
69) o-Xylene	11.95	106	139302	20.521	ug/l	97
70) Styrene	11.97	104	229255	20.788	ug/l	98
71) Bromoform	12.13	173	47956	20.322	ug/l #	99
73) Isopropylbenzene	12.26	105	377761	21.917	ug/l	98
74) N-amyl acetate	12.08	43	157975	23.039	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	124110	24.351	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	146338	34.353	ug/l #	100
77) Bromobenzene	12.53	156	86409	21.381	ug/l	97
78) n-propylbenzene	12.60	91	442317	22.779	ug/l	99
79) 2-Chlorotoluene	12.68	91	262037	21.863	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	316570	21.941	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	29606	21.108	ug/l	89
82) 4-Chlorotoluene	12.78	91	264416	21.620	ug/l	99
83) tert-Butylbenzene	13.00	119	267014	21.932	ug/l	95
84) 1,2,4-Trimethylbenzene	13.05	105	317333	21.952	ug/l	99
85) sec-Butylbenzene	13.18	105	366675	22.882	ug/l	100
86) p-Isopropyltoluene	13.30	119	321551	22.796	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	153041	20.884	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	150580	20.653	ug/l	97
89) n-Butylbenzene	13.62	91	284981	22.304	ug/l	98
90) Hexachloroethane	13.88	117	51523	24.311	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	153866	21.852	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	21625	24.061	ug/l	96

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

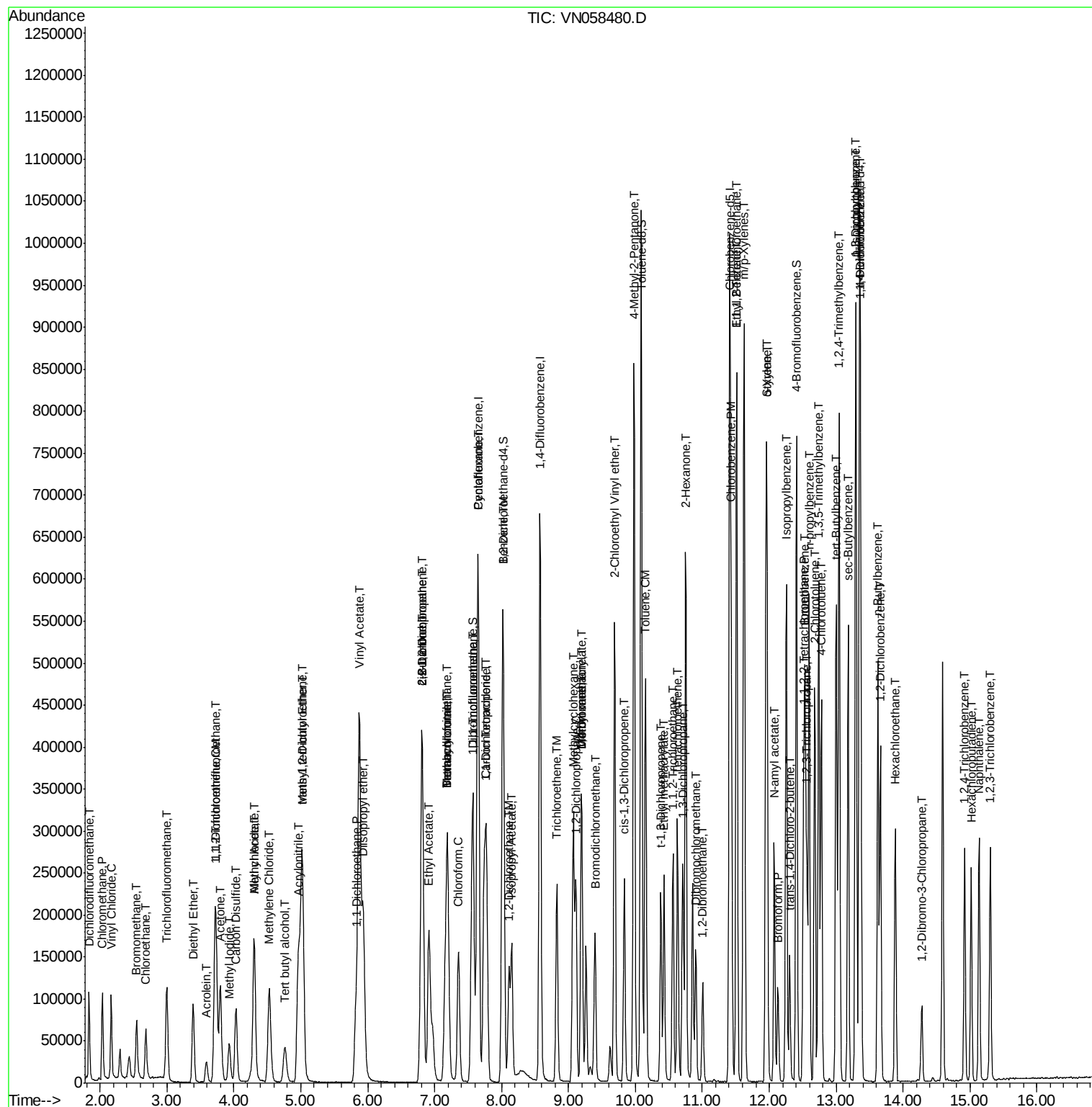
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	79932	20.543	ug/l	98
94) Hexachlorobutadiene	15.02	225	44380	22.191	ug/l	99
95) Naphthalene	15.14	128	226418	19.853	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	80628	20.654	ug/l	99

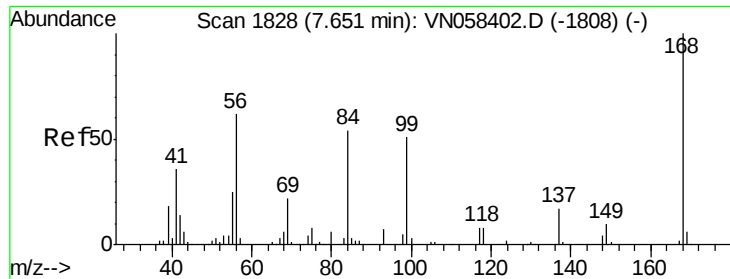
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

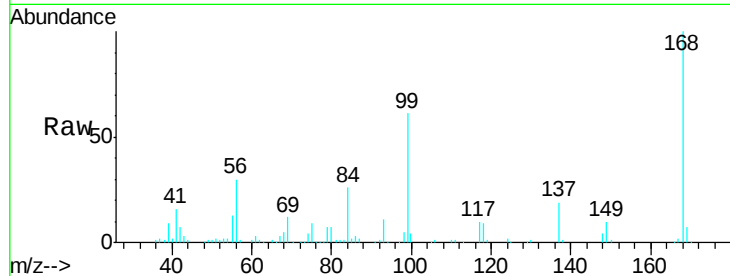
VN1002WBSD01

Tgt Ion:168 Resp: 333391

Ion Ratio Lower Upper

168 100

99 60.6 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

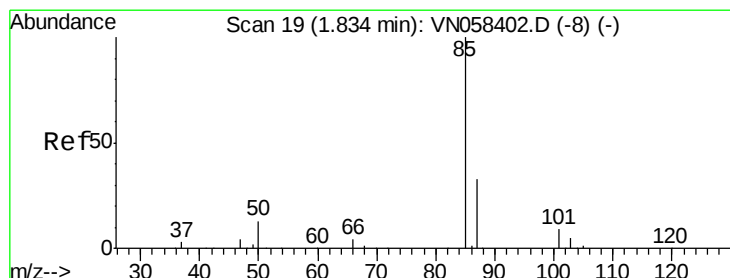
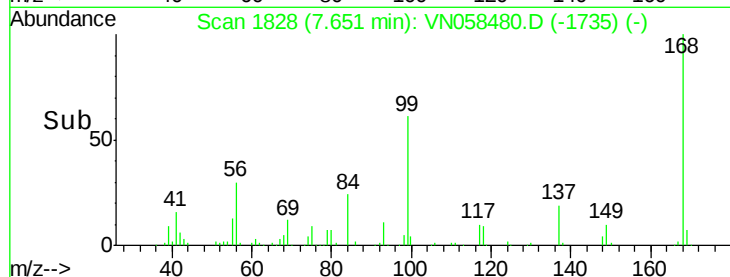
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 21.440 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058480.D

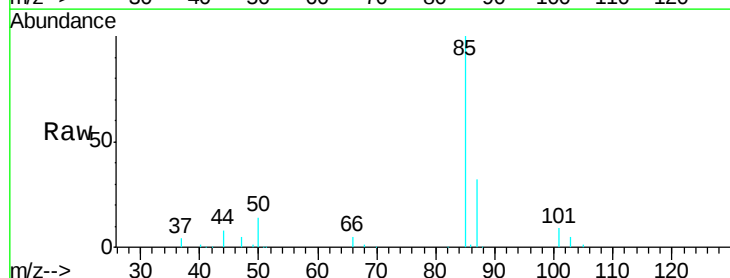
Acq: 2 Oct 2019 17:23

Tgt Ion: 85 Resp: 78377

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

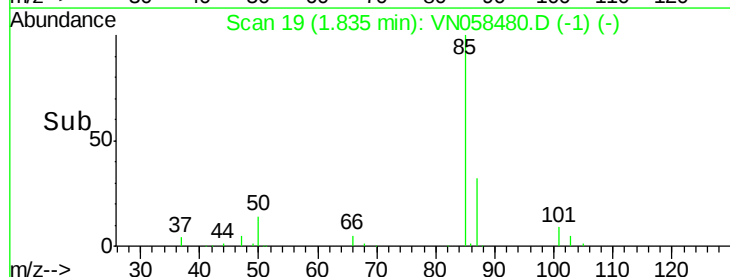
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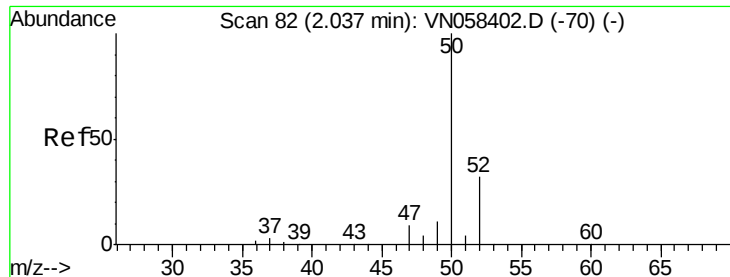
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.886 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

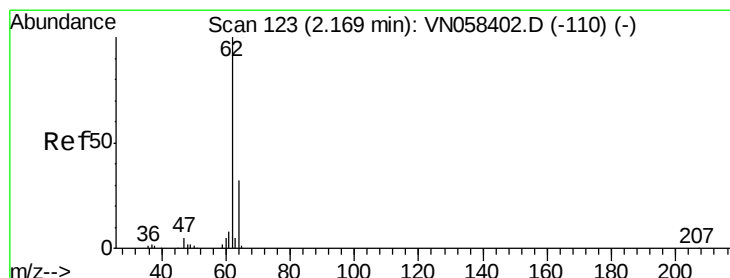
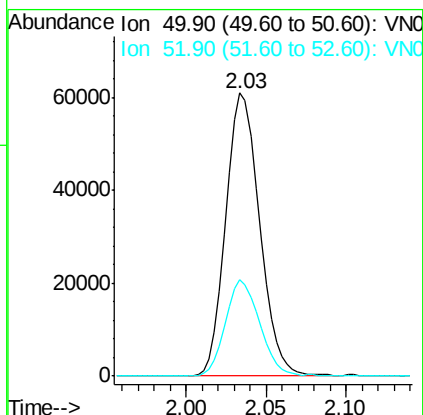
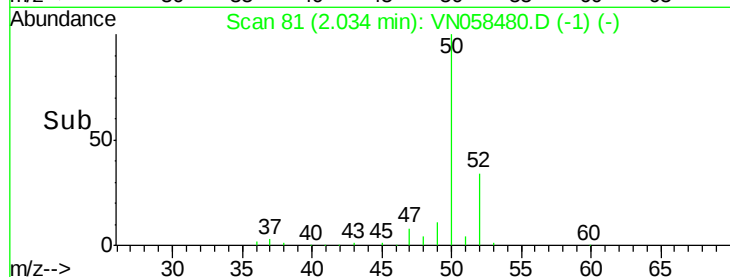
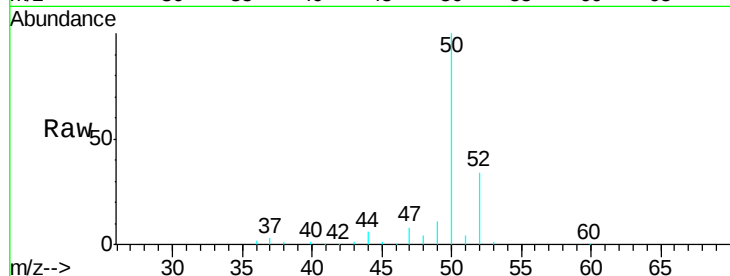
VN1002WBSD01

Tgt Ion: 50 Resp: 87960

Ion Ratio Lower Upper

50 100

52 33.9 25.9 38.9



#4

Vinyl Chloride

Concen: 22.459 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058480.D

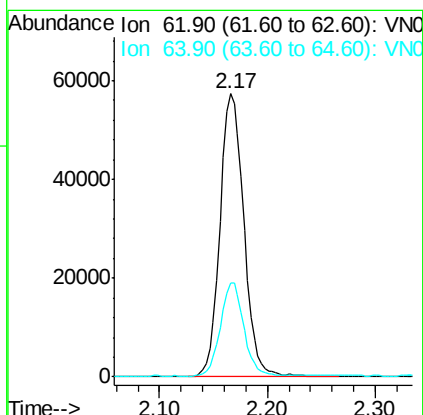
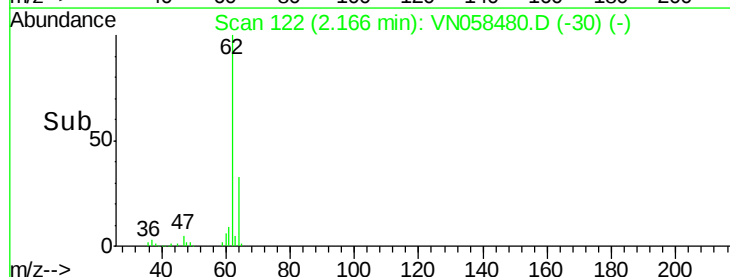
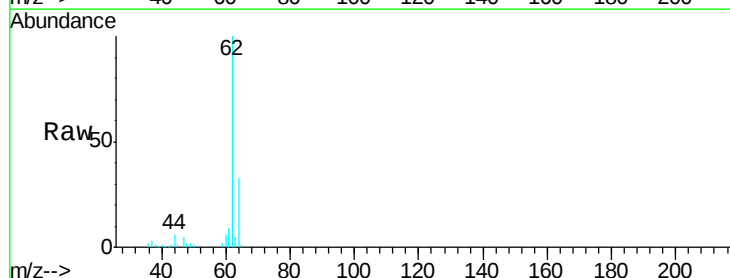
Acq: 2 Oct 2019 17:23

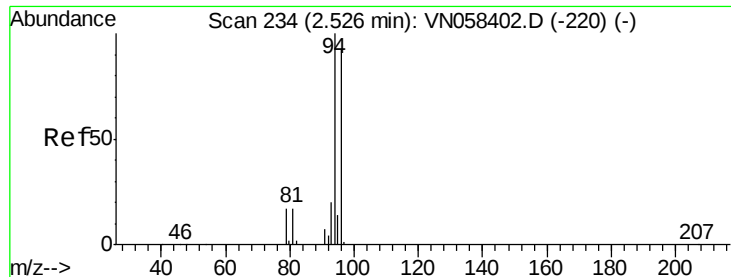
Tgt Ion: 62 Resp: 88421

Ion Ratio Lower Upper

62 100

64 33.1 25.5 38.3





#5

Bromomethane

Concen: 22.904 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

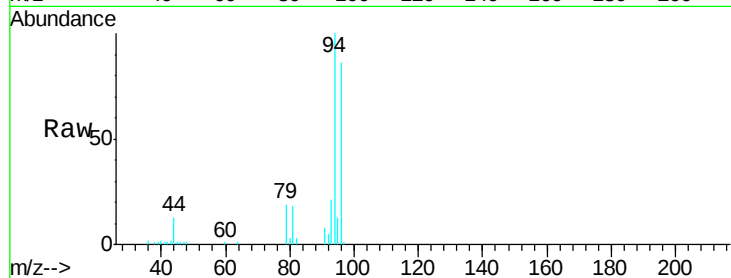
VN1002WBSD01

Tgt Ion: 94 Resp: 47896

Ion Ratio Lower Upper

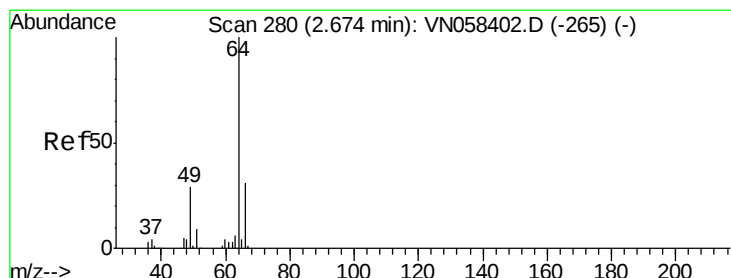
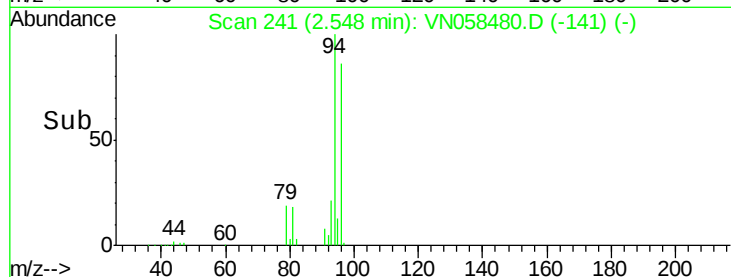
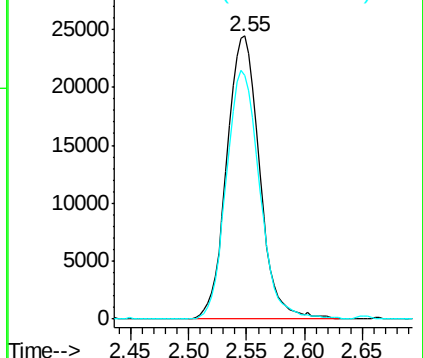
94 100

96 86.3 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: 22.606 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058480.D

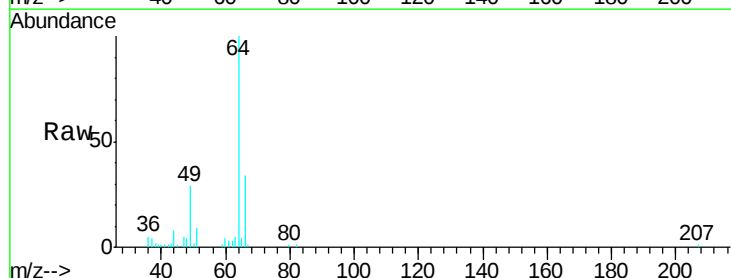
Acq: 2 Oct 2019 17:23

Tgt Ion: 64 Resp: 53326

Ion Ratio Lower Upper

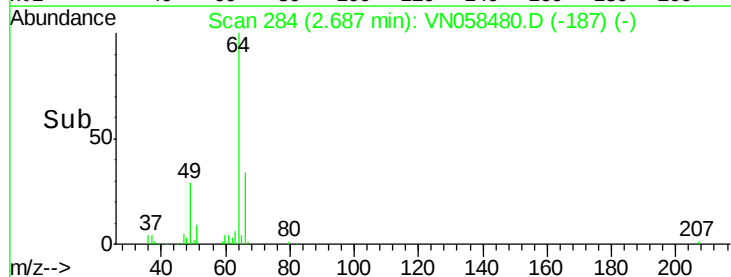
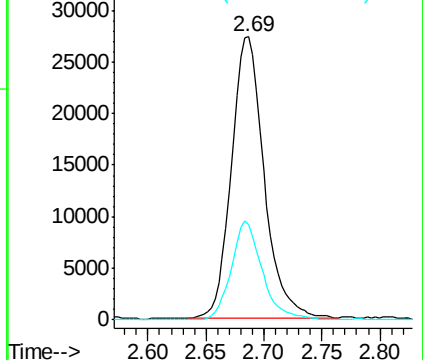
64 100

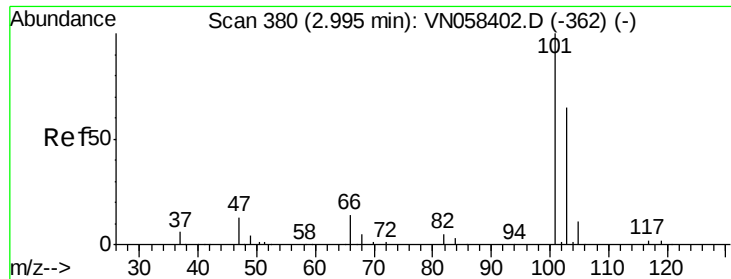
66 33.9 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



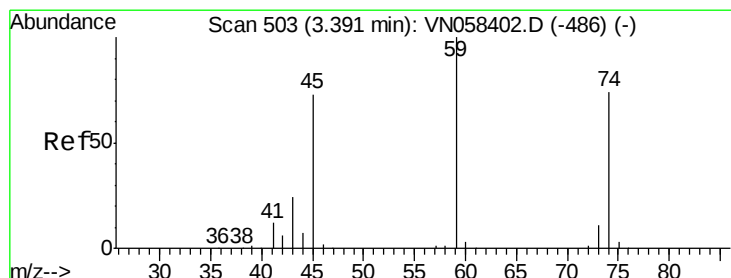
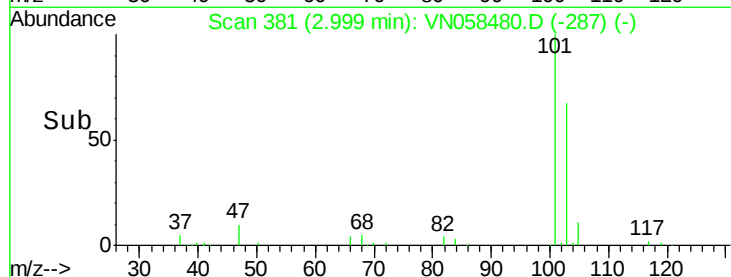
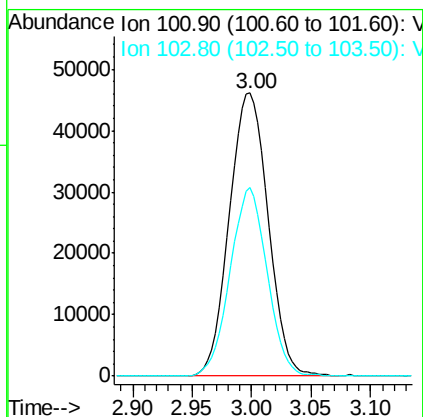
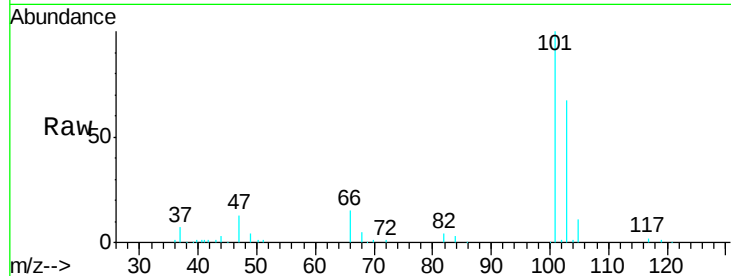


#7

Trichlorofluoromethane
 Concen: 21.988 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Instrument :
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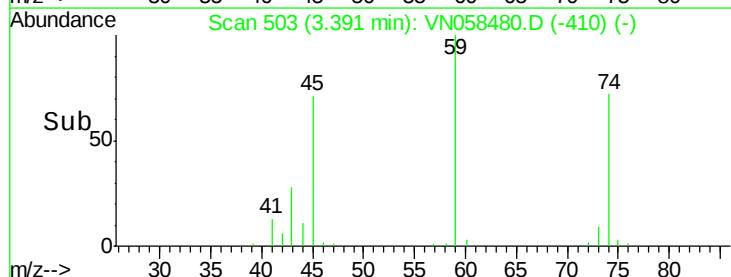
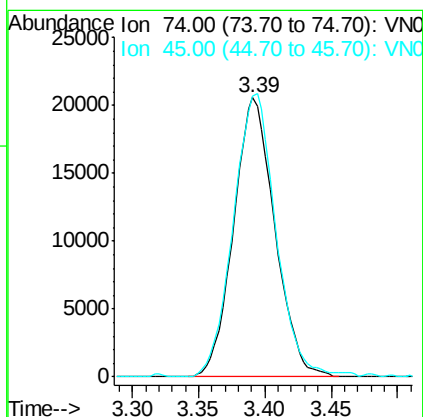
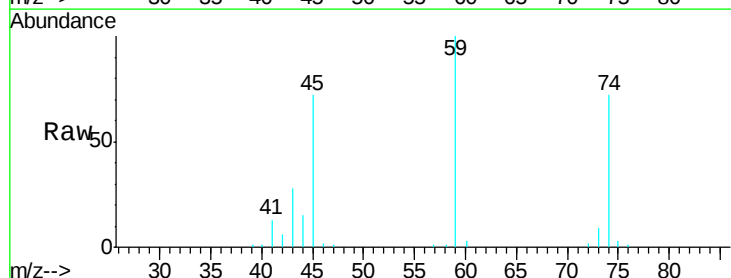
Tgt Ion:101 Resp: 104465
 Ion Ratio Lower Upper
 101 100
 103 66.6 52.3 78.5

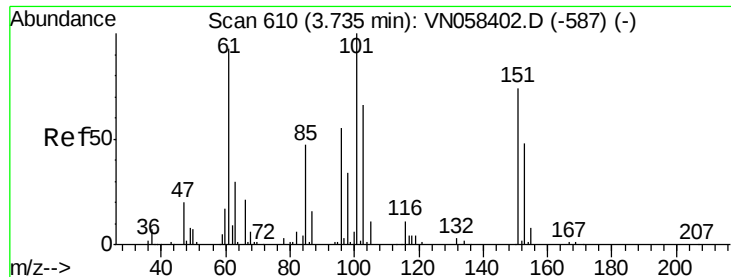


#8

Diethyl Ether
 Concen: 21.687 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion: 74 Resp: 44455
 Ion Ratio Lower Upper
 74 100
 45 105.0 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.740 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

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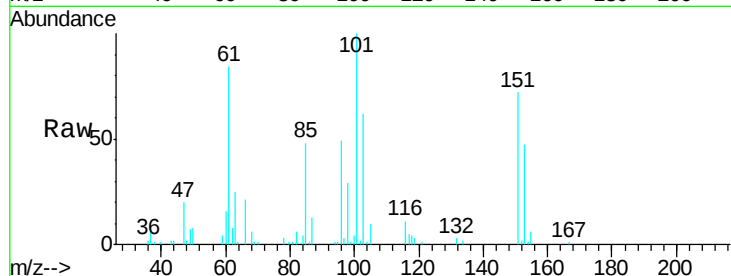
Tgt Ion:101 Resp: 70146

Ion Ratio Lower Upper

101 100

85 48.0 36.7 55.1

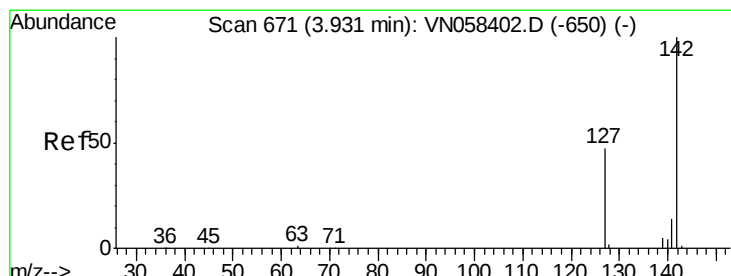
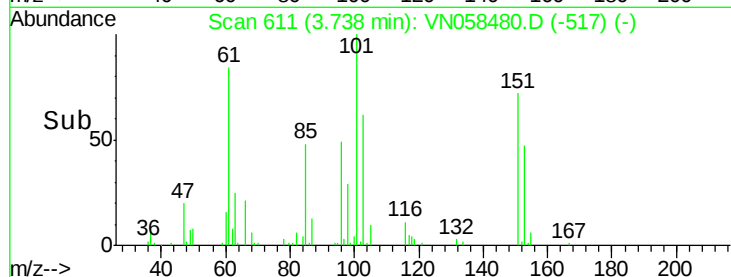
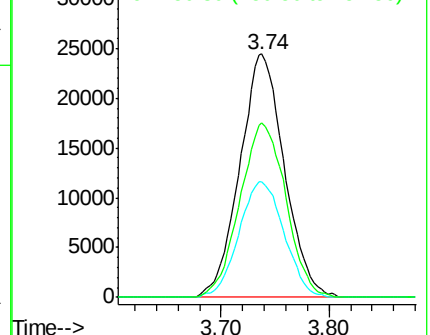
151 73.8 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.066 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

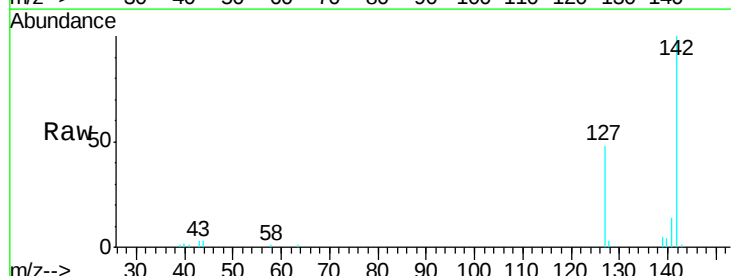
Tgt Ion:142 Resp: 71789

Ion Ratio Lower Upper

142 100

127 47.9 37.2 55.8

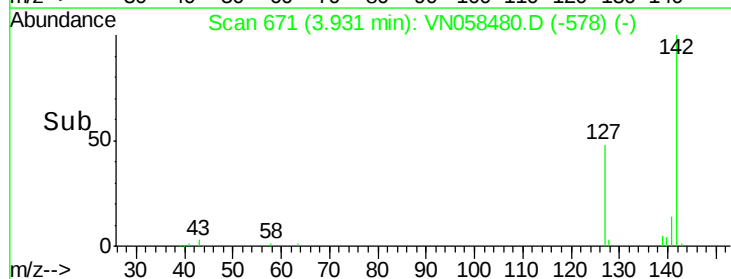
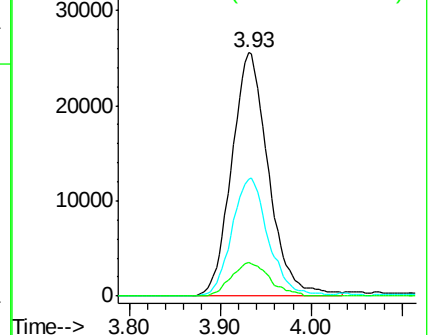
141 14.4 11.3 16.9

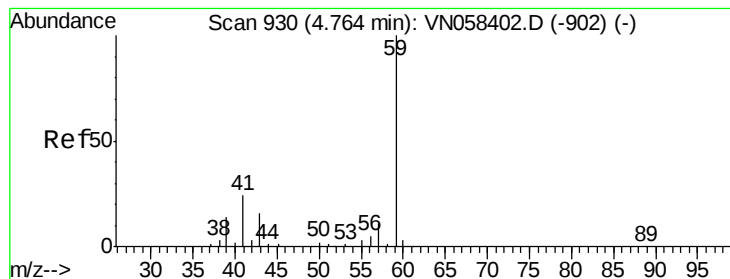


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



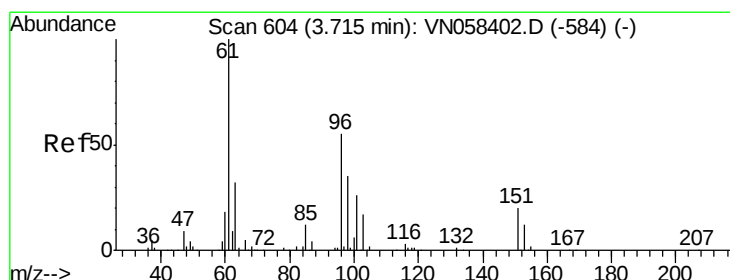
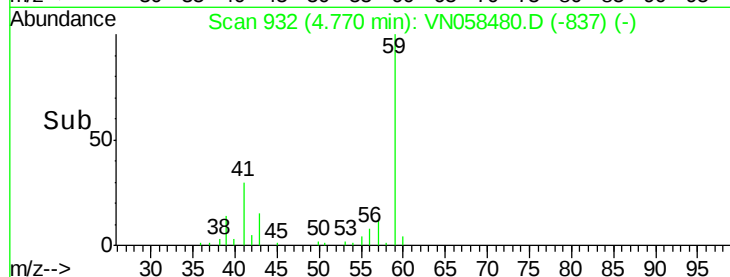
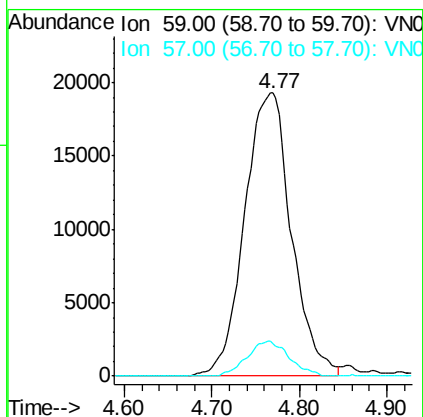
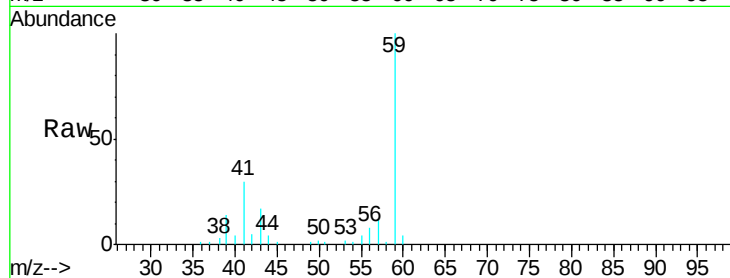


#11

Tert butyl alcohol
 Concen: 132.286 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.01 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

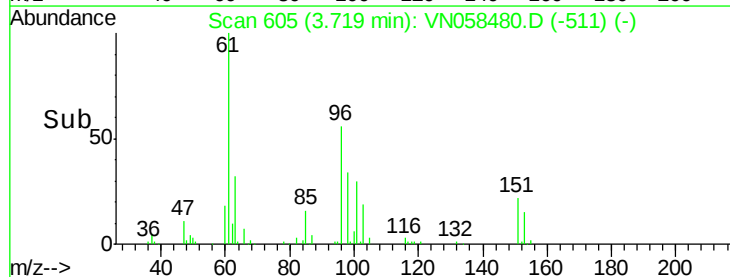
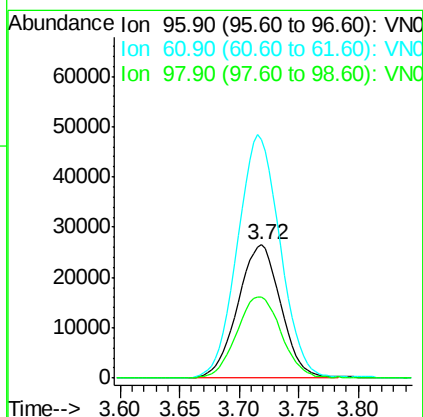
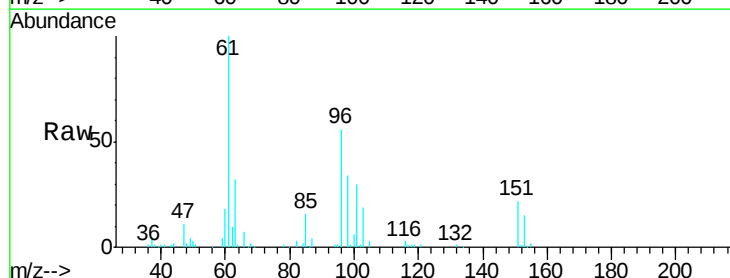
Tgt Ion: 59 Resp: 71598
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.0 13.4

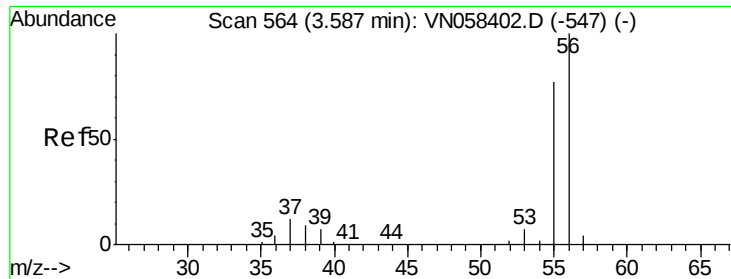


#12

1,1-Dichloroethene
 Concen: 21.111 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion: 96 Resp: 66395
 Ion Ratio Lower Upper
 96 100
 61 179.1 146.7 220.1
 98 60.6 51.3 76.9





#13

Acrolein

Concen: 156.803 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

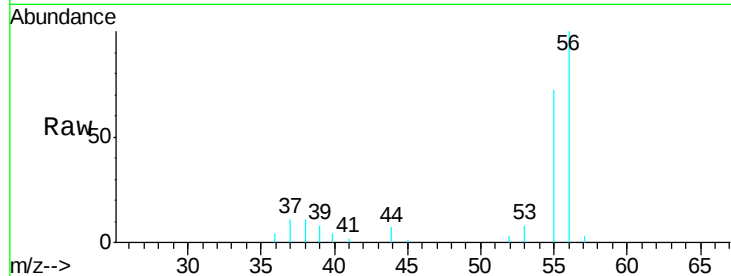
VN1002WBSD01

Tgt Ion: 56 Resp: 26993

Ion Ratio Lower Upper

56 100

55 72.4 58.3 87.5

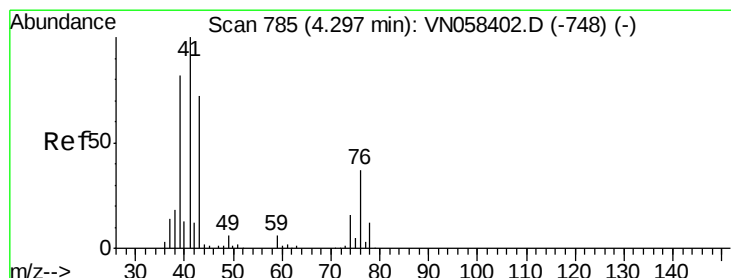
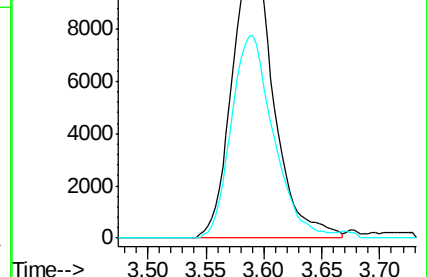
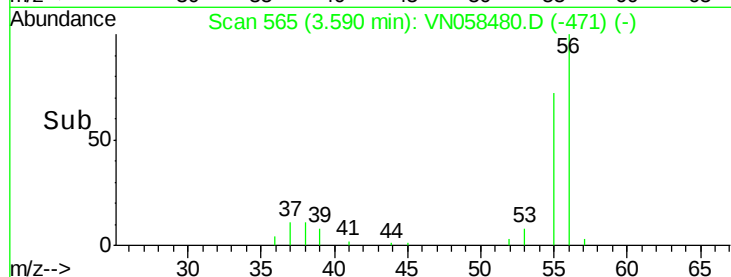


Abundance Ion 56.00 (55.70 to 56.70): VN058480.D (-471) (-)

Ion 55.00 (54.70 to 55.70): VN058480.D (-471) (-)

3.59

Time-->



#14

Allyl chloride

Concen: 21.418 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

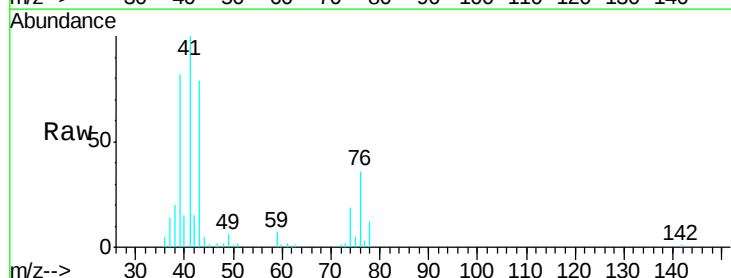
Tgt Ion: 41 Resp: 122583

Ion Ratio Lower Upper

41 100

39 77.0 62.3 93.5

76 32.8 26.9 40.3



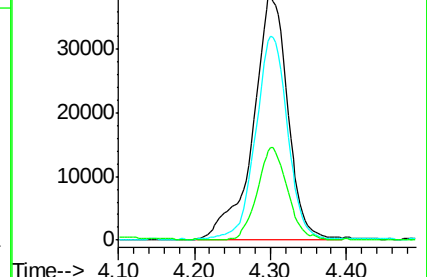
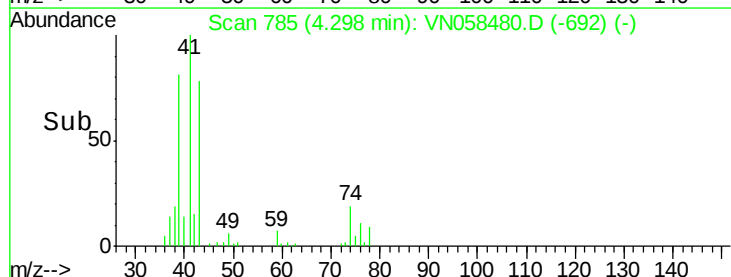
Abundance Ion 41.00 (40.70 to 41.70): VN058480.D (-692) (-)

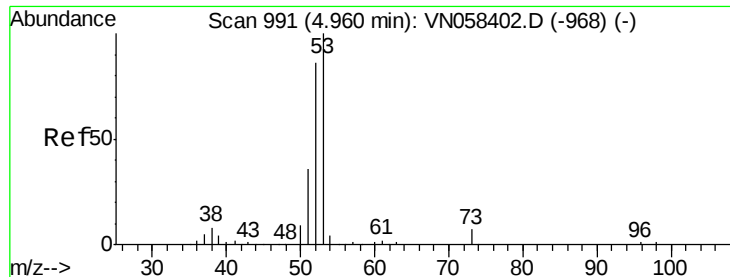
Ion 39.00 (38.70 to 39.70): VN058480.D (-692) (-)

Ion 75.90 (75.60 to 76.60): VN058480.D (-692) (-)

4.30

Time-->





#15

Acrylonitrile

Concen: 127.397 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

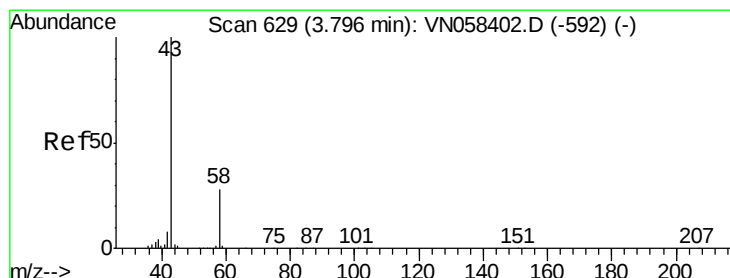
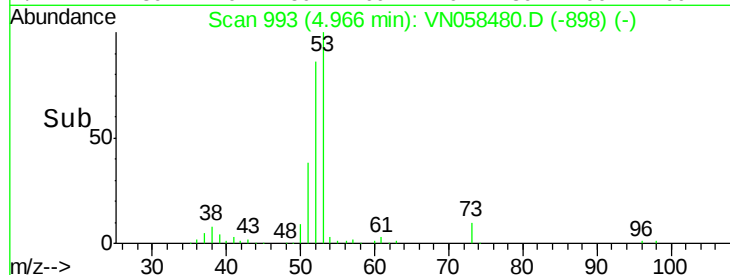
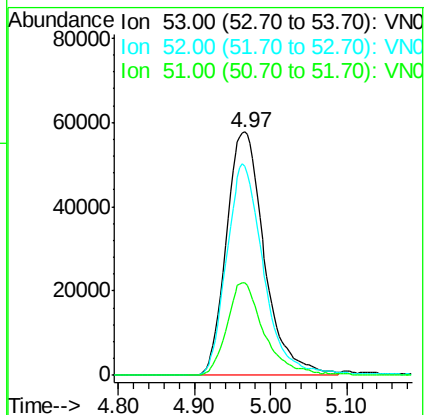
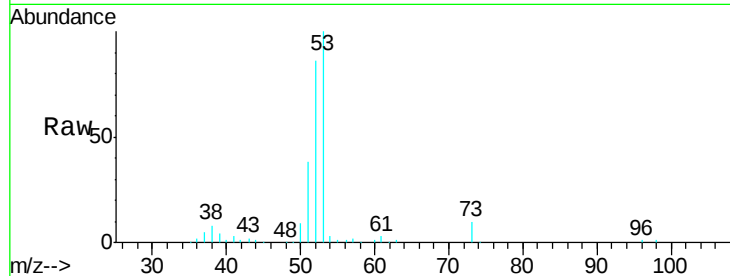
Tgt Ion: 53 Resp: 200957

Ion Ratio Lower Upper

53 100

52 82.6 66.6 100.0

51 36.8 29.8 44.8



#16

Acetone

Concen: 113.486 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058480.D

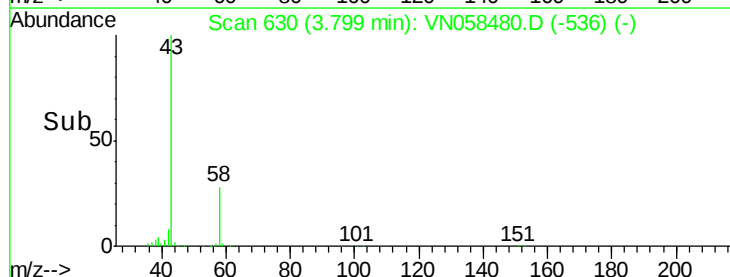
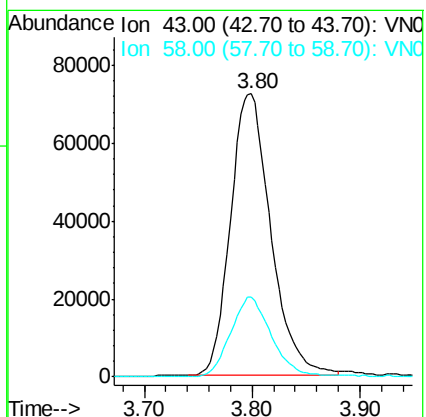
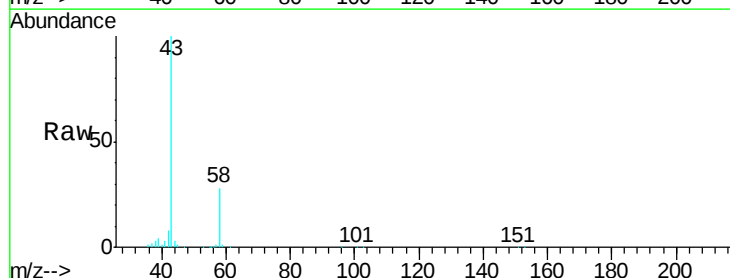
Acq: 2 Oct 2019 17:23

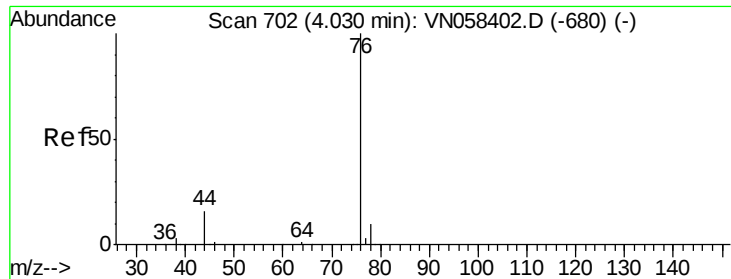
Tgt Ion: 43 Resp: 188479

Ion Ratio Lower Upper

43 100

58 28.3 22.4 33.6

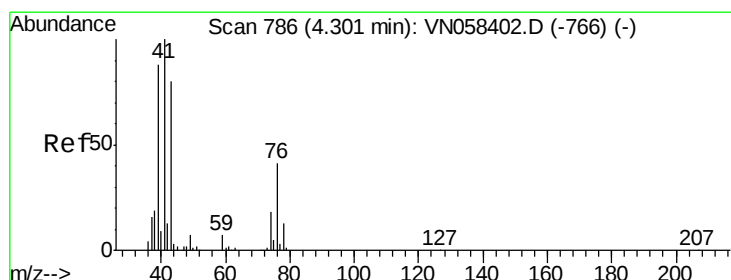
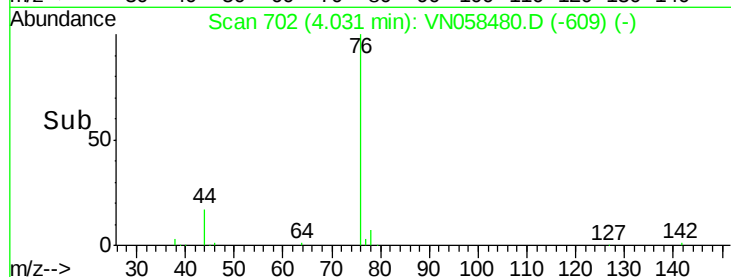
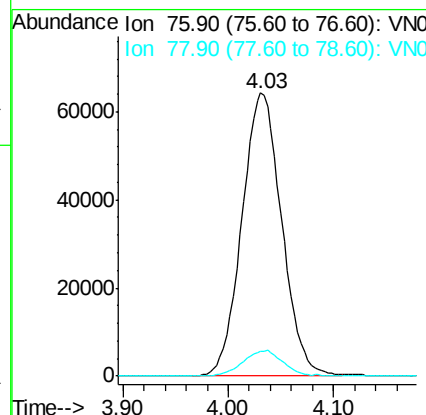
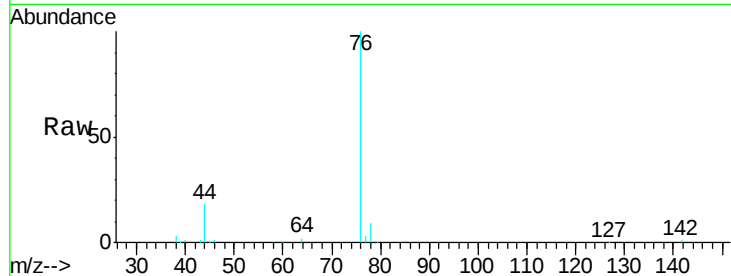




#17
Carbon Disulfide
Concen: 20.335 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

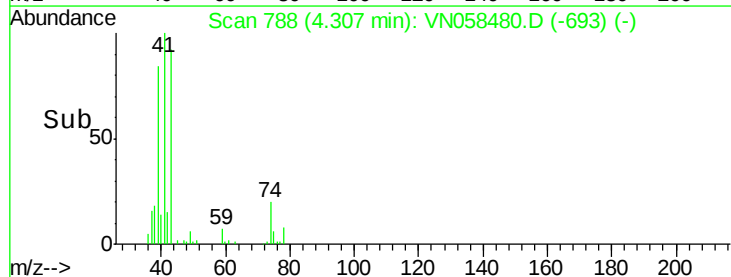
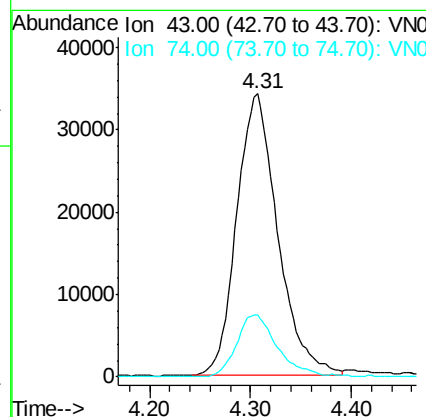
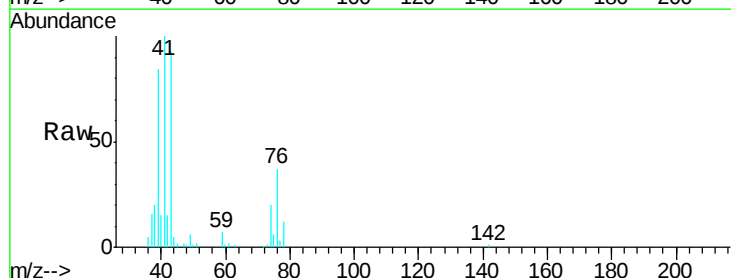
Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

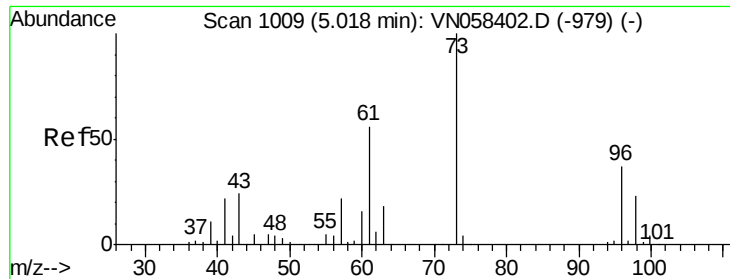
Tgt Ion: 76 Resp: 168589
Ion Ratio Lower Upper
76 100
78 8.5 7.7 11.5



#18
Methyl Acetate
Concen: 23.090 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion: 43 Resp: 96450
Ion Ratio Lower Upper
43 100
74 21.7 18.0 27.0

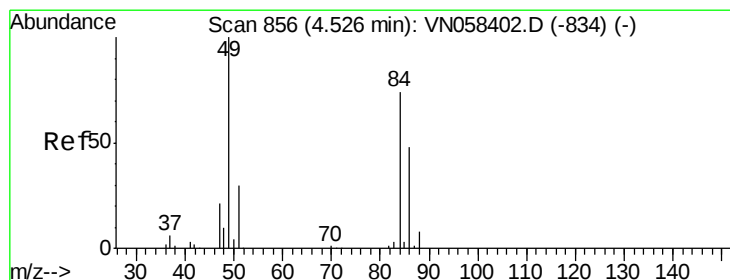
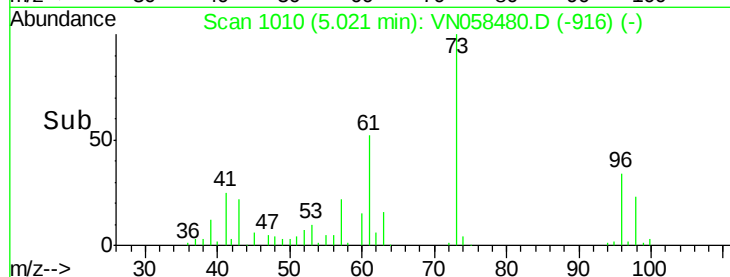
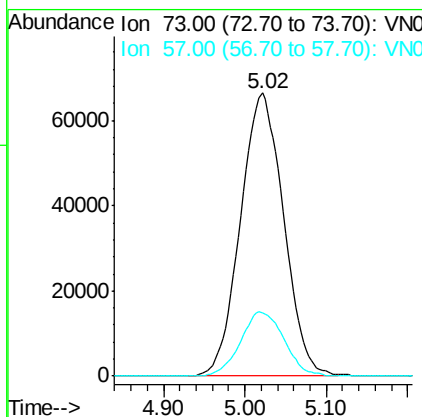
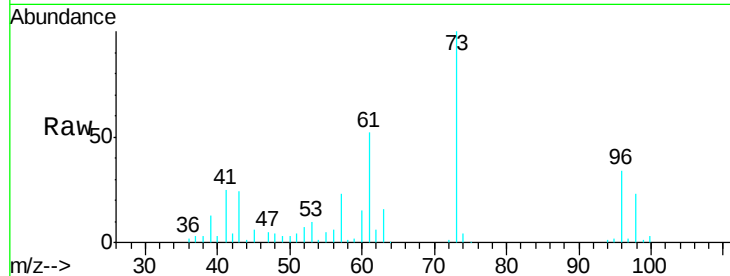




#19
Methyl tert-butyl Ether
Concen: 21.973 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

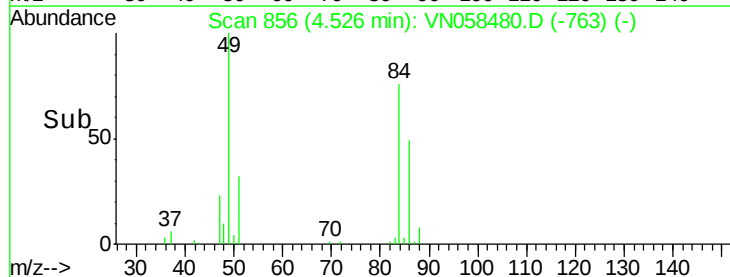
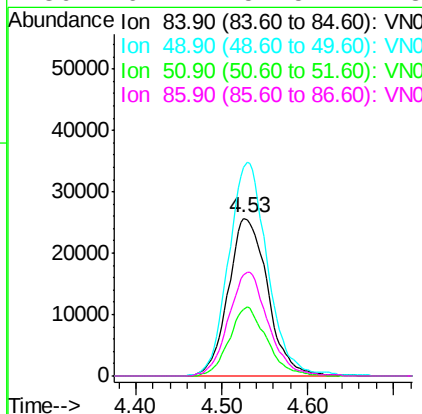
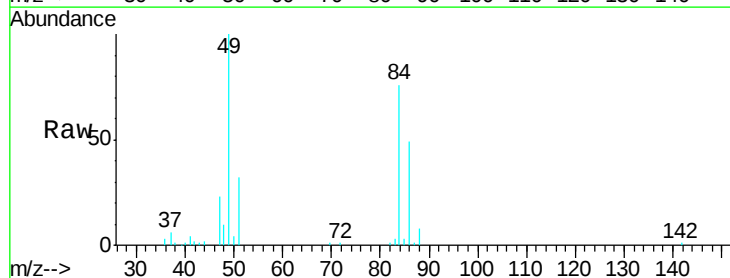
Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

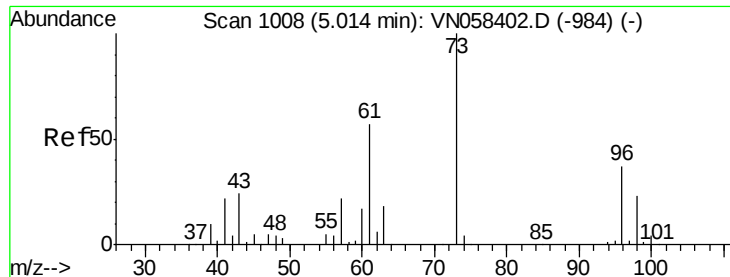
Tgt Ion: 73 Resp: 243827
Ion Ratio Lower Upper
73 100
57 22.5 17.6 26.4



#20
Methylene Chloride
Concen: 21.333 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion: 84 Resp: 81762
Ion Ratio Lower Upper
84 100
49 131.6 107.9 161.9
51 42.6 32.8 49.2
86 64.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.662 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

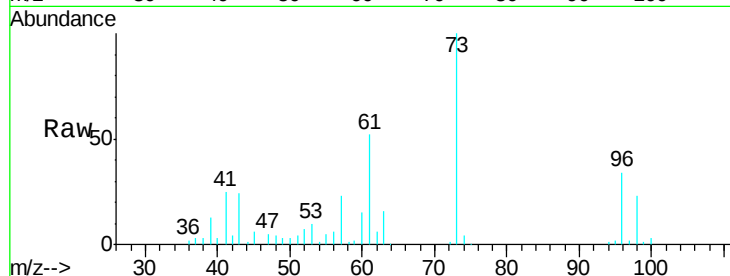
Tgt Ion: 96 Resp: 72261

Ion Ratio Lower Upper

96 100

61 153.2 121.9 182.9

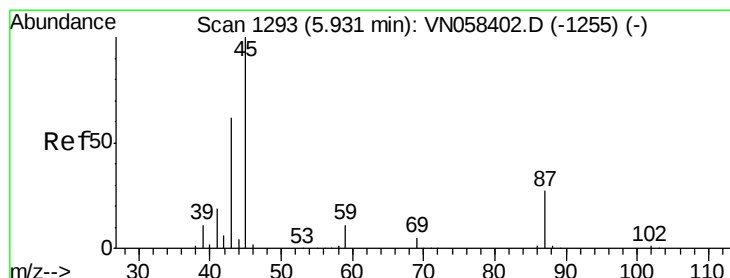
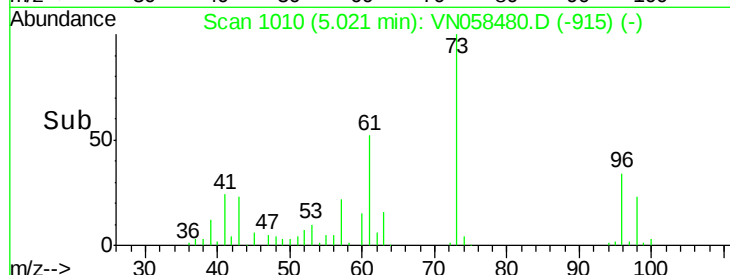
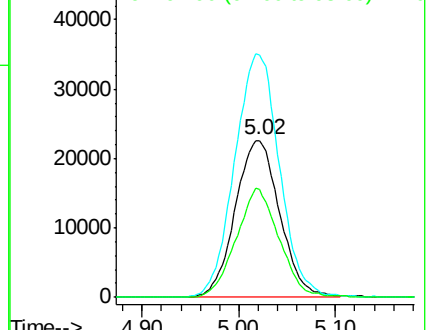
98 68.8 49.3 73.9



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: 22.082 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Tgt Ion: 45 Resp: 271968

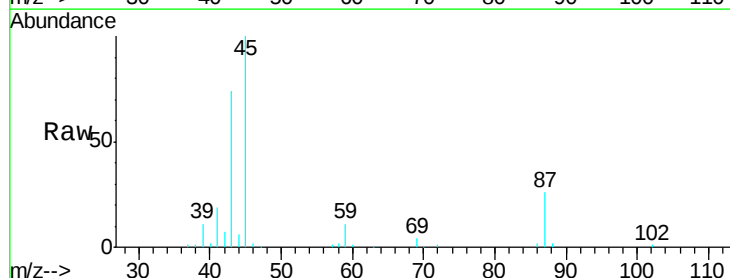
Ion Ratio Lower Upper

45 100

43 71.2 49.7 74.5

87 25.9 21.5 32.3

59 11.2 8.9 13.3

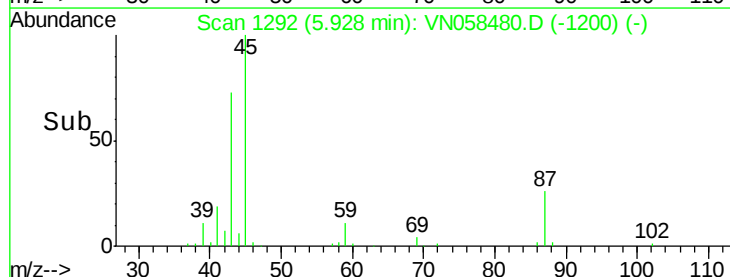
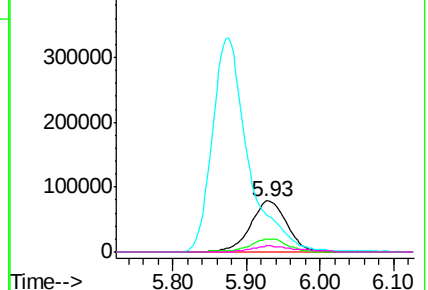


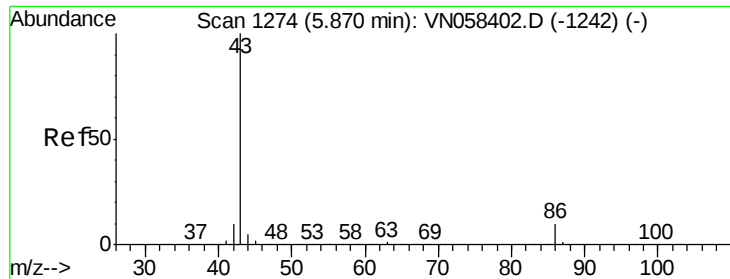
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 120.067 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

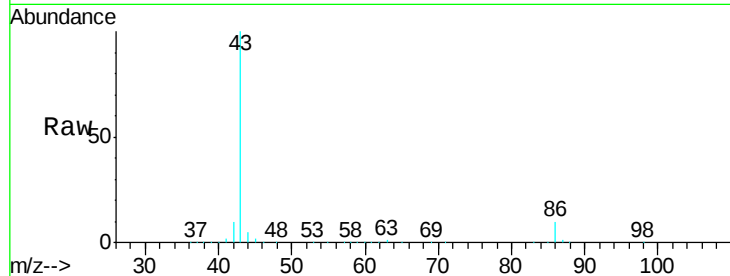
VN1002WBSD01

Tgt Ion: 43 Resp: 1115039

Ion Ratio Lower Upper

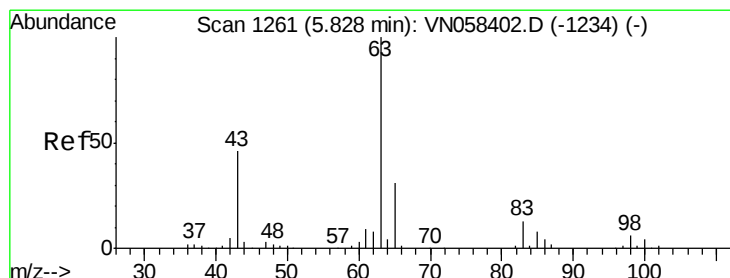
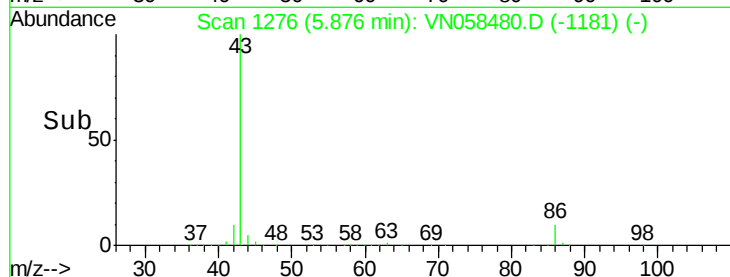
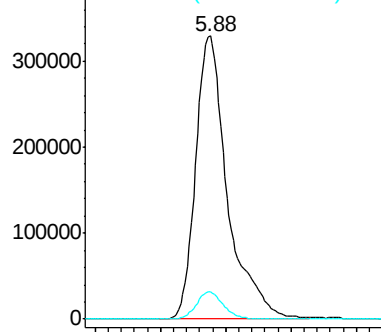
43 100

86 9.8 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: 22.446 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

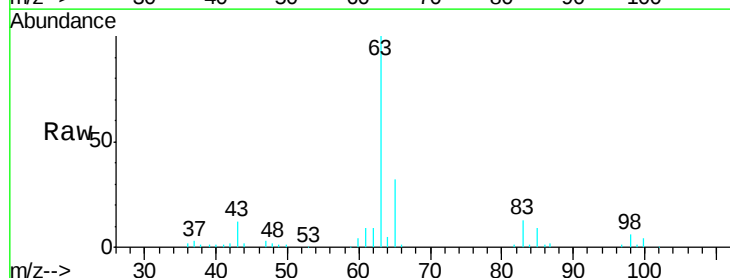
Tgt Ion: 63 Resp: 155586

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.0

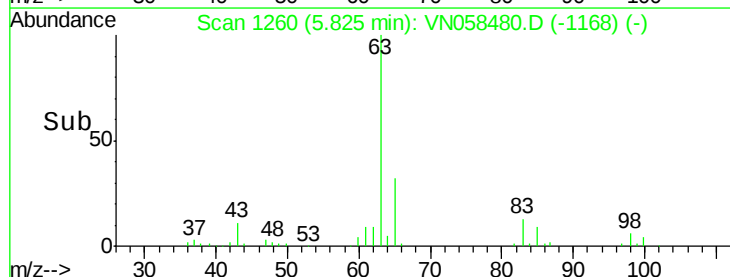
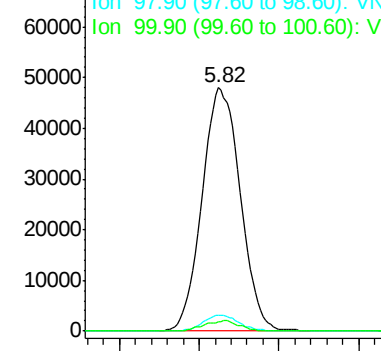
100 3.6 2.0 5.8

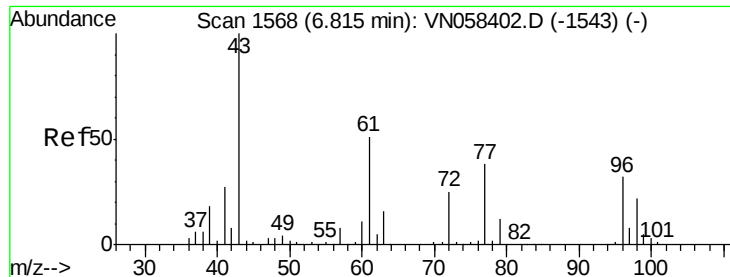


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 123.865 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

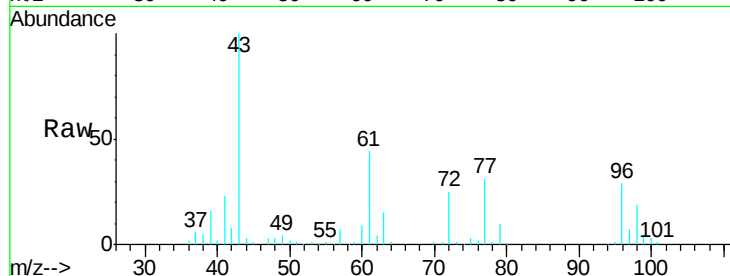
VN1002WBSD01

Tgt Ion: 43 Resp: 282441

Ion Ratio Lower Upper

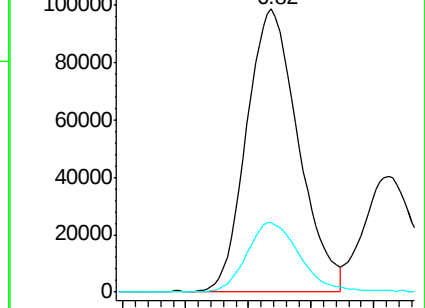
43 100

72 24.7 20.2 30.4

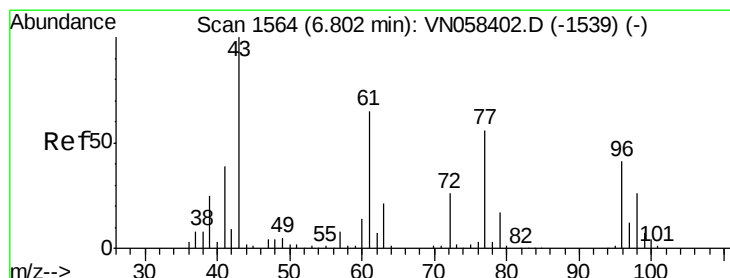
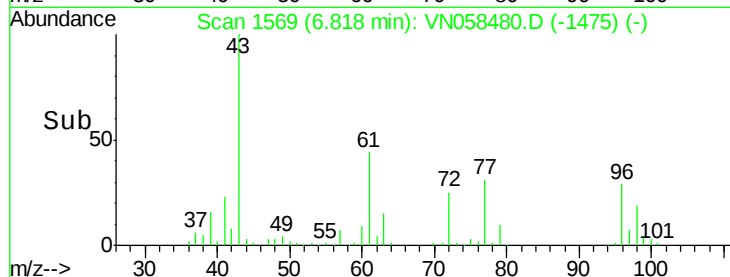


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 20.480 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058480.D

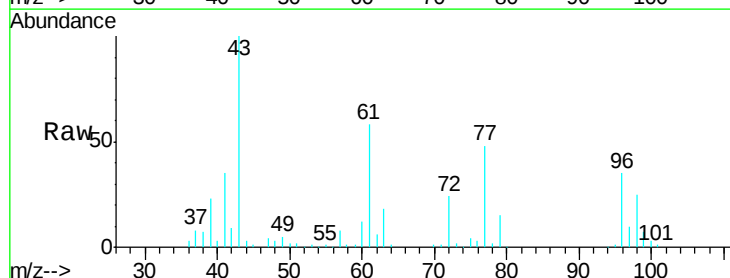
Acq: 2 Oct 2019 17:23

Tgt Ion: 77 Resp: 116705

Ion Ratio Lower Upper

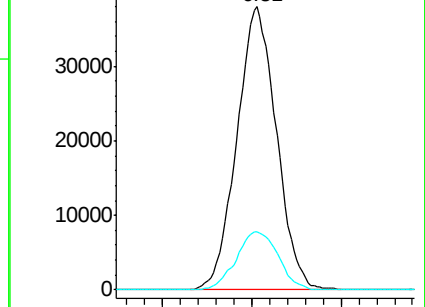
77 100

97 21.7 10.9 32.6

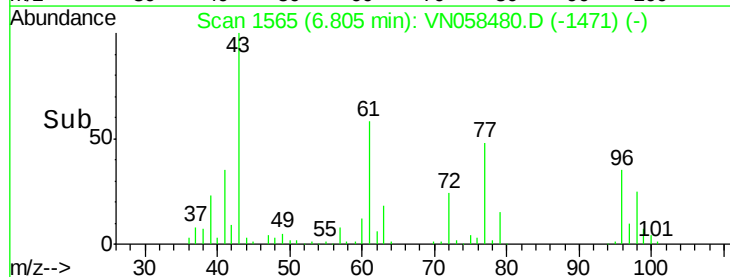


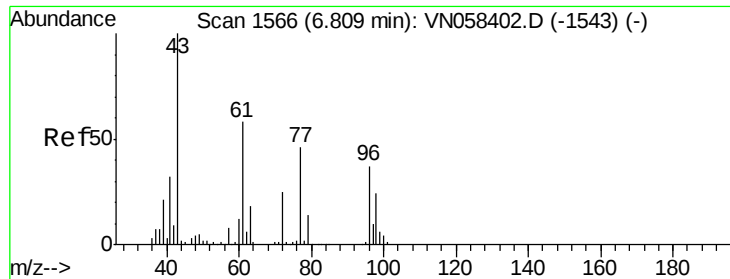
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 21.366 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

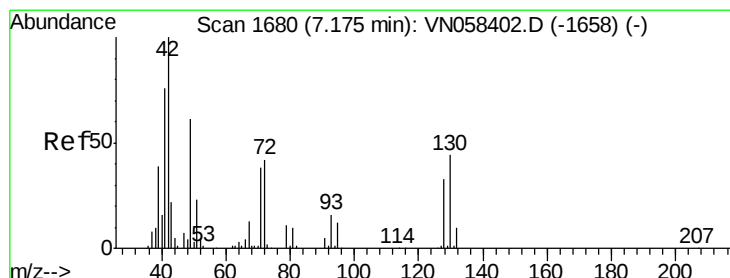
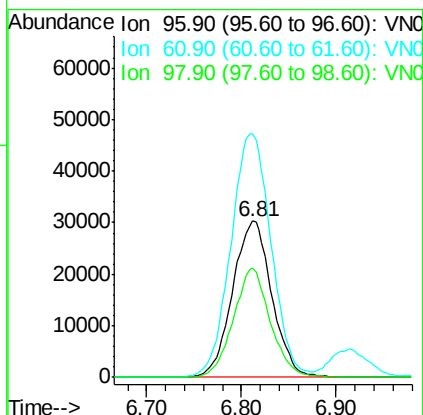
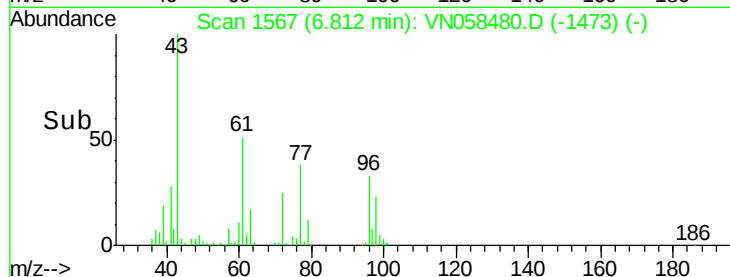
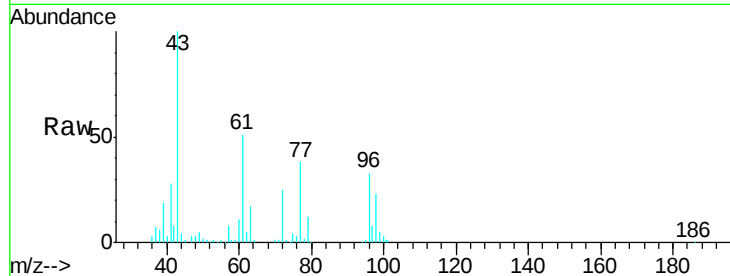
Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tgt Ion: 96 Resp: 87334

Ion	Ratio	Lower	Upper
96	100		
61	159.7	0.0	318.8
98	65.6	0.0	129.8



#28

Bromochloromethane

Concen: 23.816 ug/l

RT: 7.18 min Scan# 1681

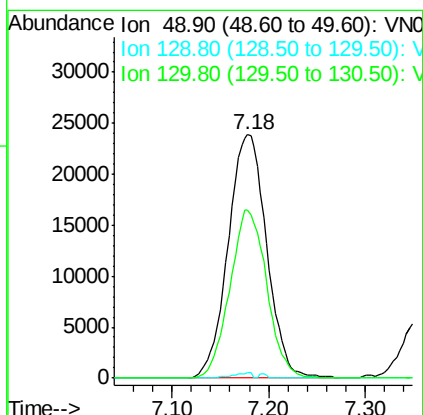
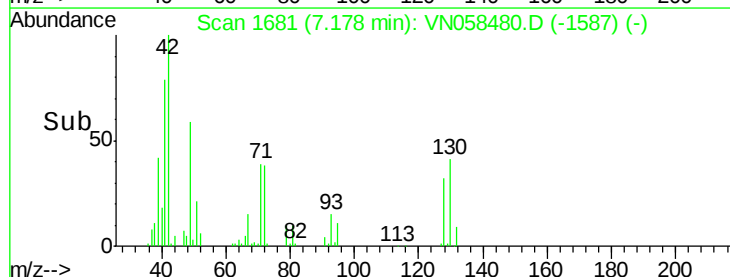
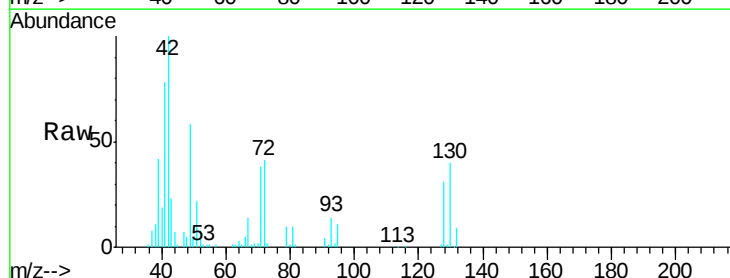
Delta R.T. 0.00 min

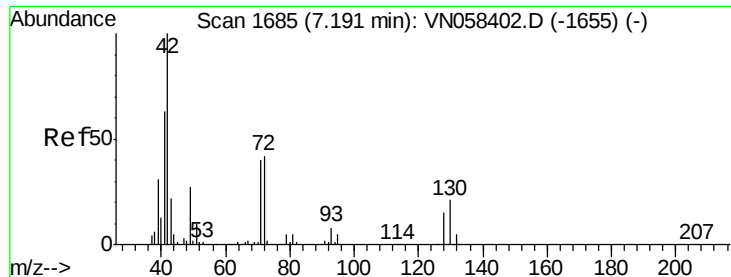
Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Tgt Ion: 49 Resp: 65988

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.4
130	66.1	56.3	84.5

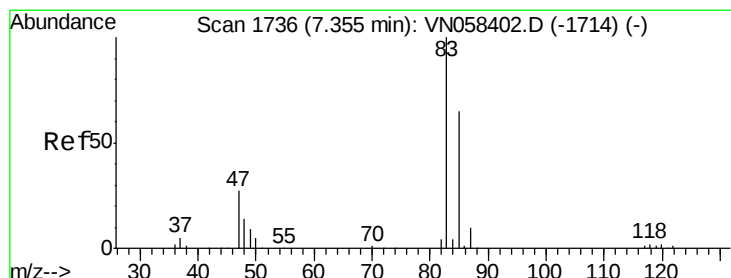
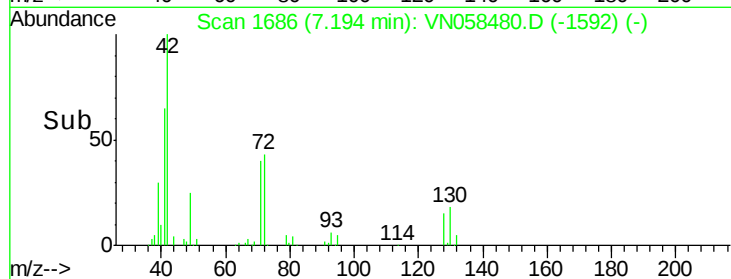
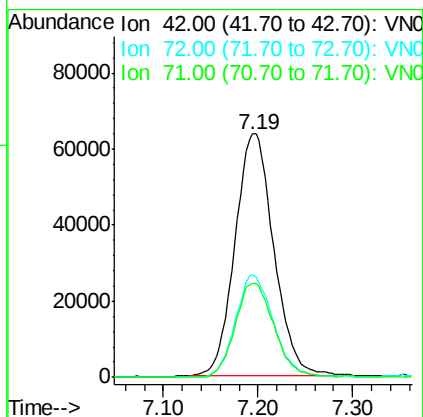
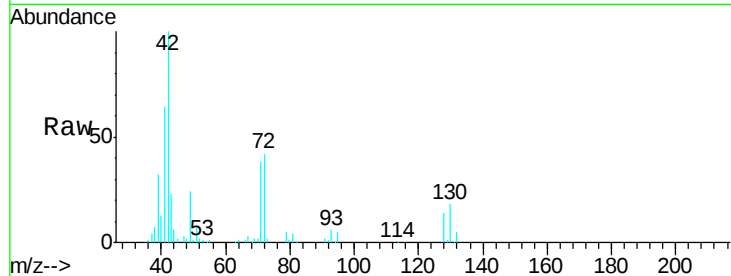




#29
Tetrahydrofuran
Concen: 124.908 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

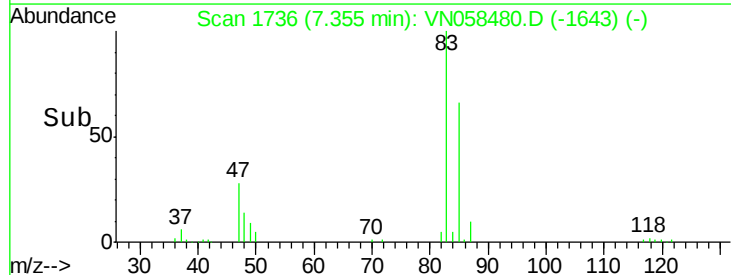
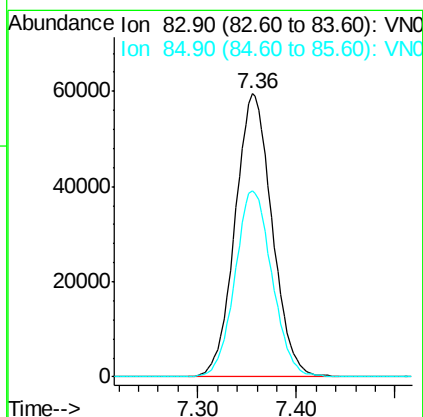
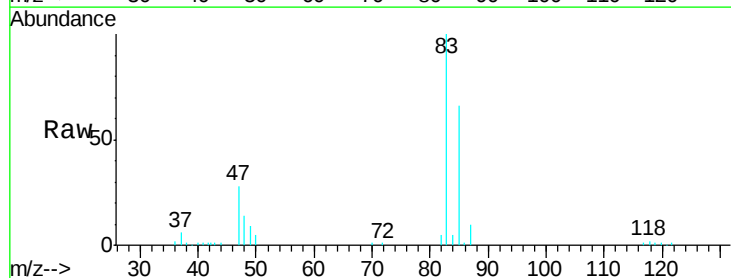
Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

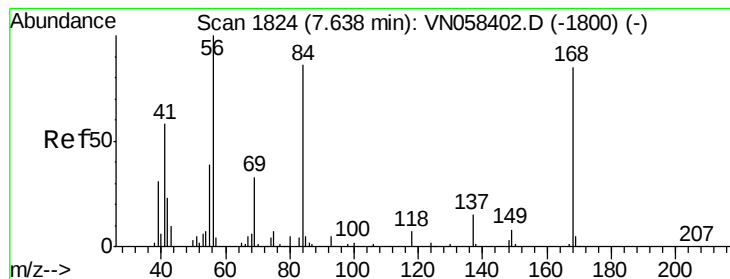
Tgt Ion: 42 Resp: 180772
Ion Ratio Lower Upper
42 100
72 41.7 33.7 50.5
71 39.1 31.8 47.6



#30
Chloroform
Concen: 22.016 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion: 83 Resp: 154644
Ion Ratio Lower Upper
83 100
85 65.7 52.0 78.0





#31

Cyclohexane

Concen: 20.838 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

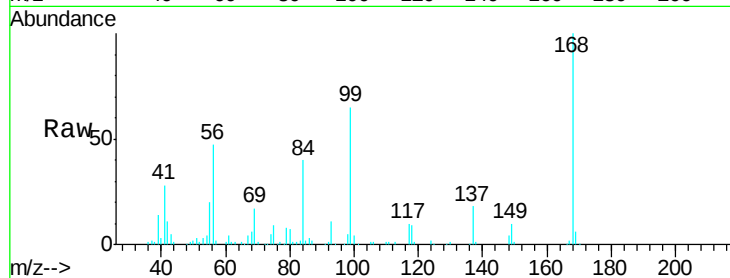
Tgt Ion: 56 Resp: 140501

Ion Ratio Lower Upper

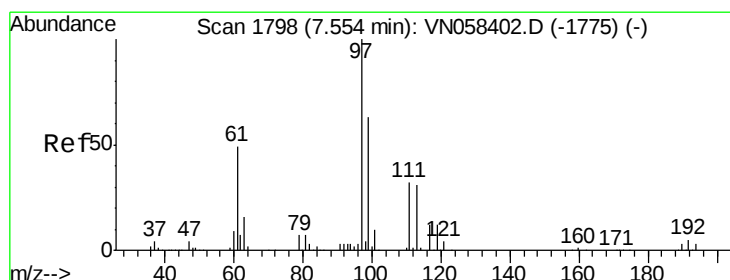
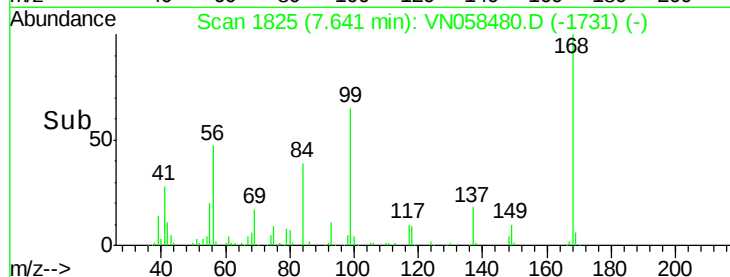
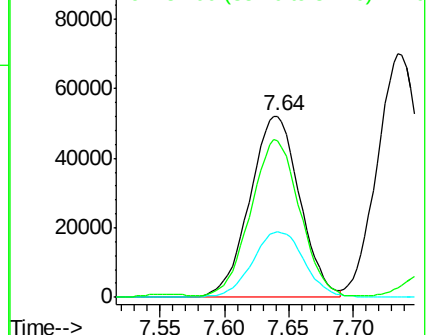
56 100

69 36.0 26.2 39.4

84 85.5 67.6 101.4



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 22.130 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

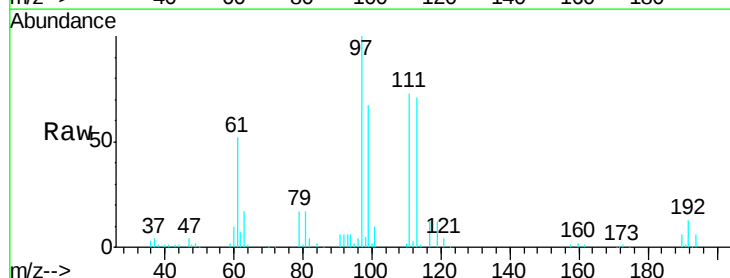
Tgt Ion: 97 Resp: 127646

Ion Ratio Lower Upper

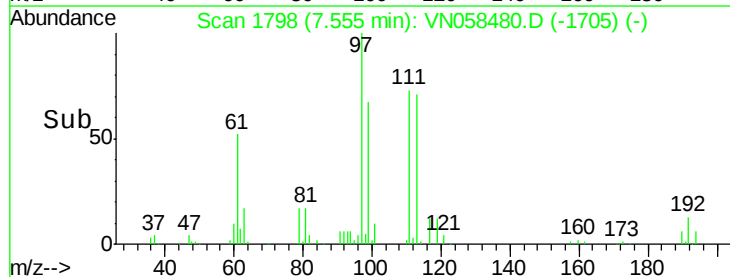
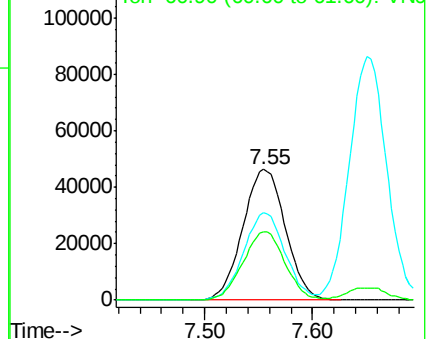
97 100

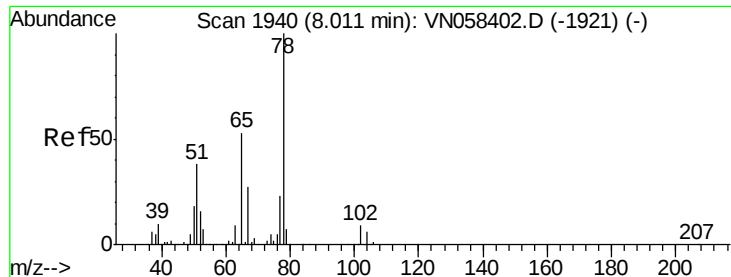
99 64.8 51.1 76.7

61 51.4 39.2 58.8



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

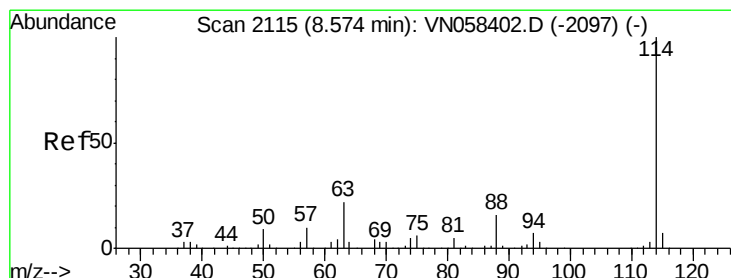
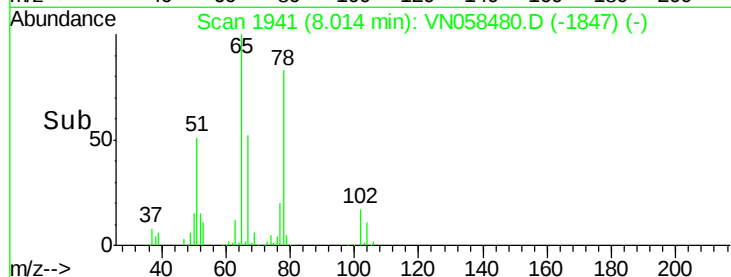
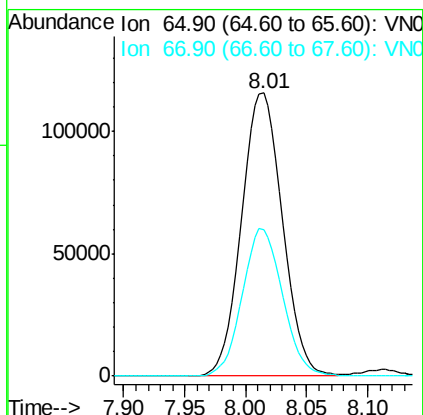
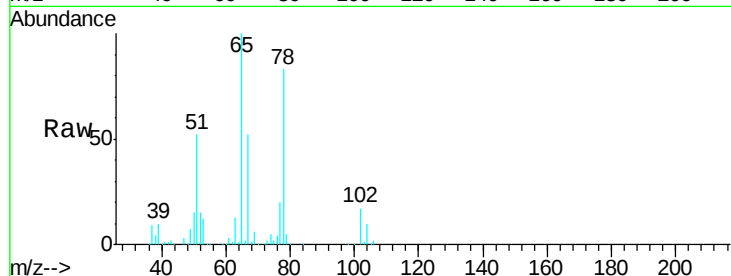




#33
 1,2-Dichloroethane-d4
 Concen: 55.064 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

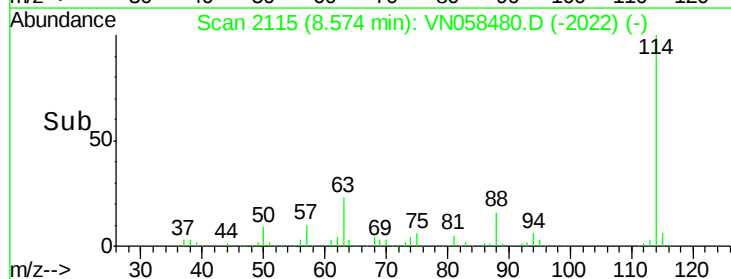
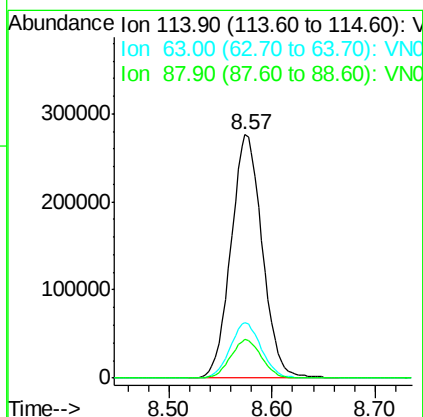
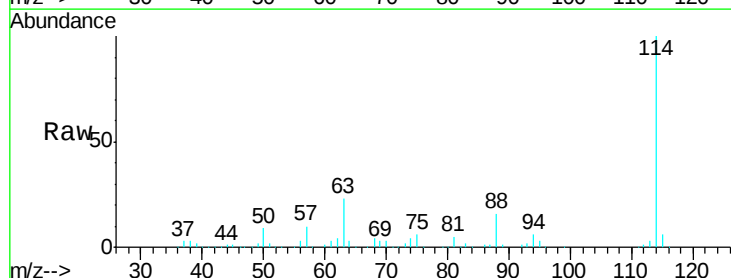
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

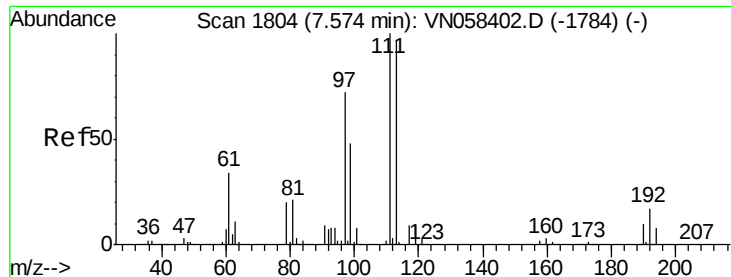
Tgt Ion: 65 Resp: 268268
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion: 114 Resp: 584849
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.0
 88 15.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.273 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

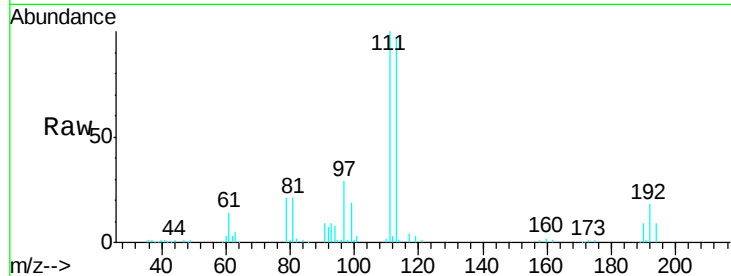
Tgt Ion:113 Resp: 187371

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

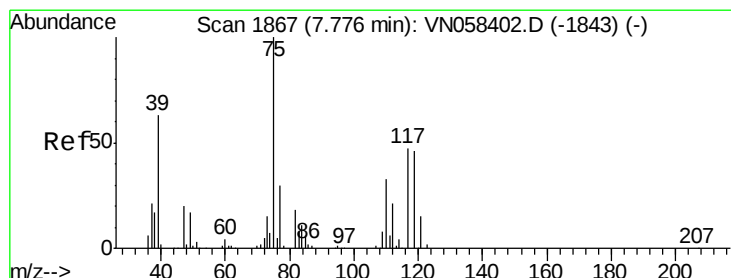
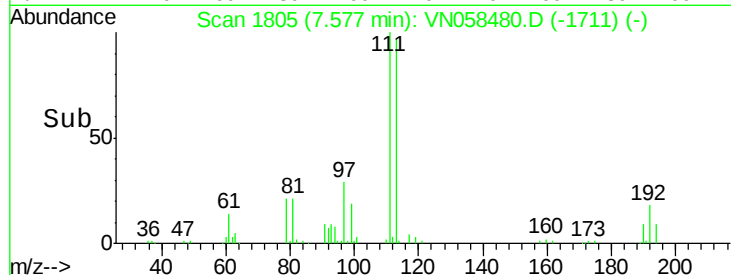
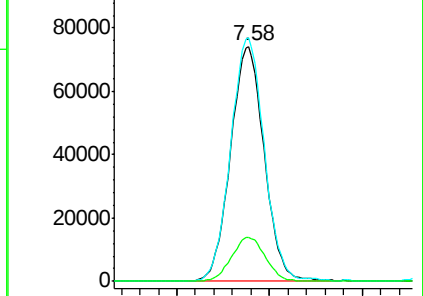
192 18.8 14.9 22.3



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: 20.248 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

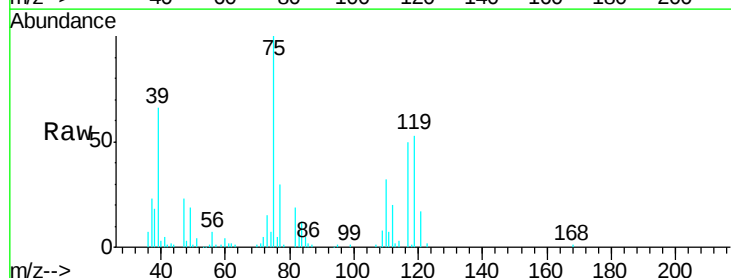
Tgt Ion: 75 Resp: 113232

Ion Ratio Lower Upper

75 100

110 32.2 16.4 49.2

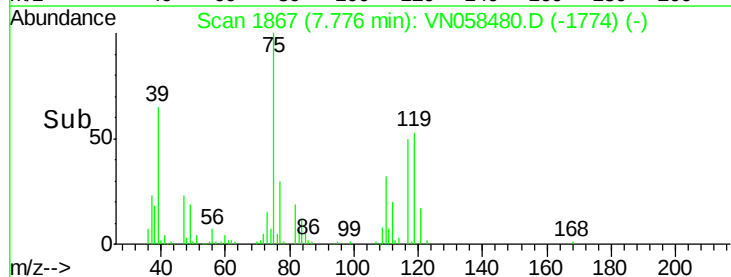
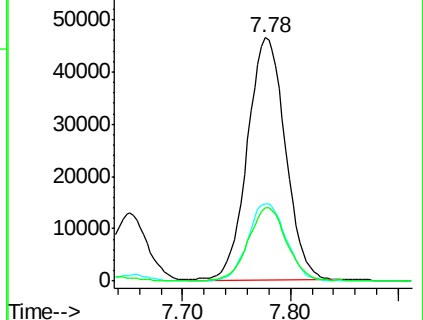
77 30.9 24.3 36.5

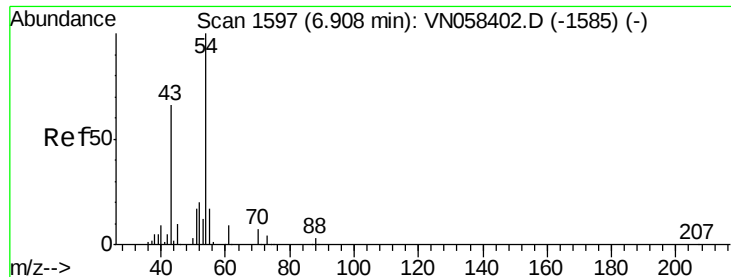


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 24.140 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

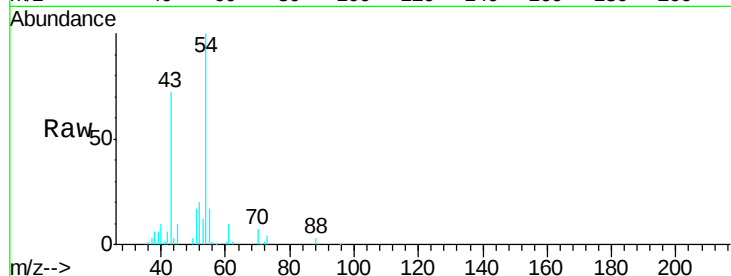
Tgt Ion: 43 Resp: 114456

Ion Ratio Lower Upper

43 100

61 14.1 10.5 15.7

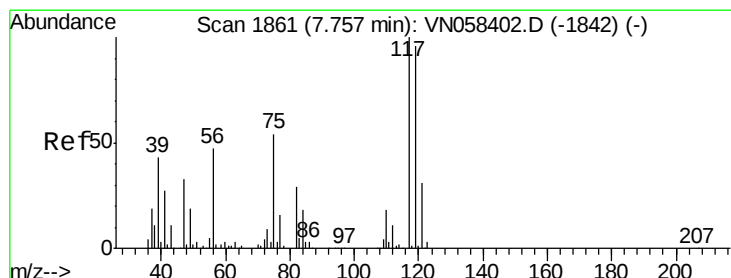
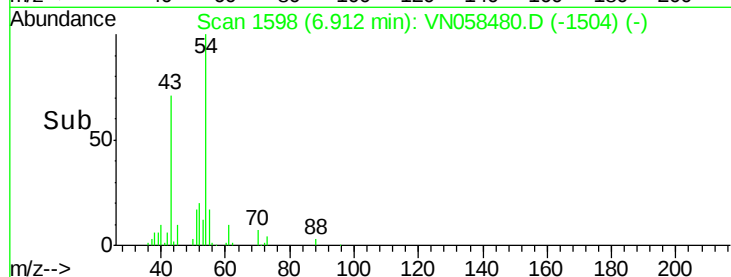
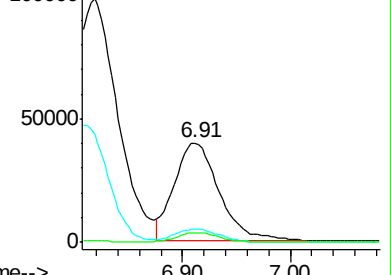
70 9.8 7.8 11.6



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-1585) (-)

Ion 60.90 (60.60 to 61.60): VN058402.D (-1585) (-)

Ion 70.00 (69.70 to 70.70): VN058402.D (-1585) (-)



#38

Carbon Tetrachloride

Concen: 21.280 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

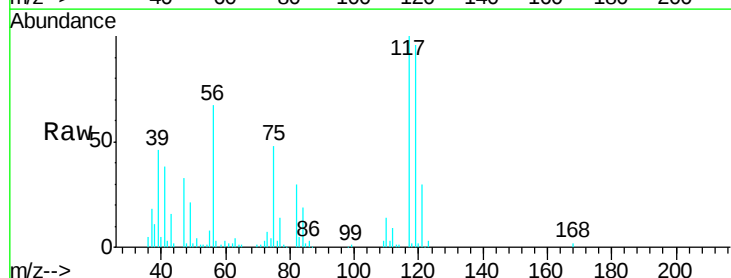
Tgt Ion: 117 Resp: 107416

Ion Ratio Lower Upper

117 100

119 95.5 76.6 115.0

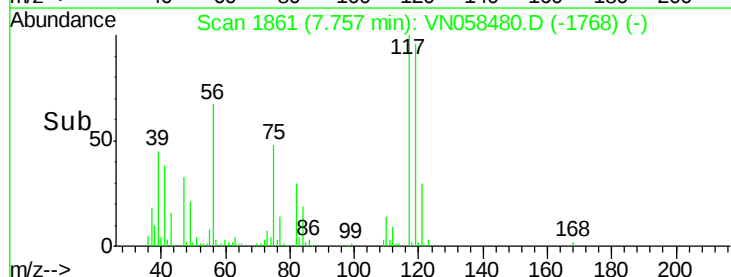
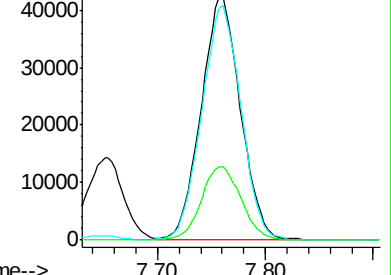
121 30.2 24.7 37.1

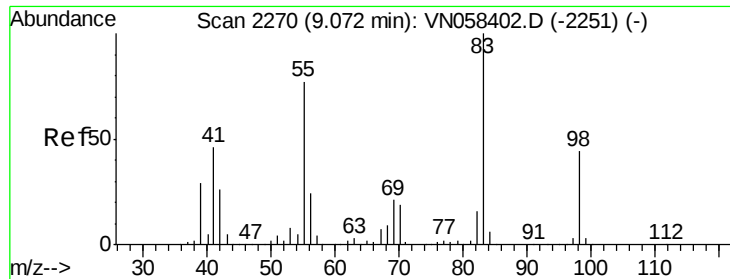


Abundance Ion 116.80 (116.50 to 117.50): VN058402.D (-1842) (-)

Ion 118.80 (118.50 to 119.50): VN058402.D (-1842) (-)

Ion 120.80 (120.50 to 121.50): VN058402.D (-1842) (-)

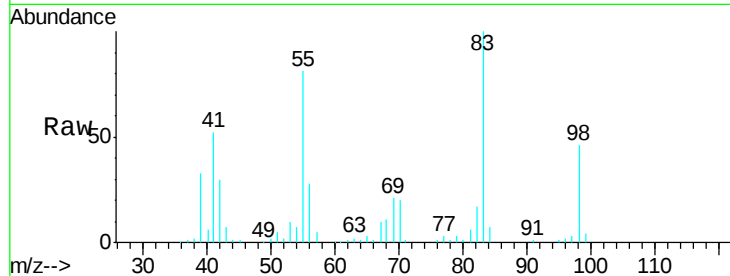




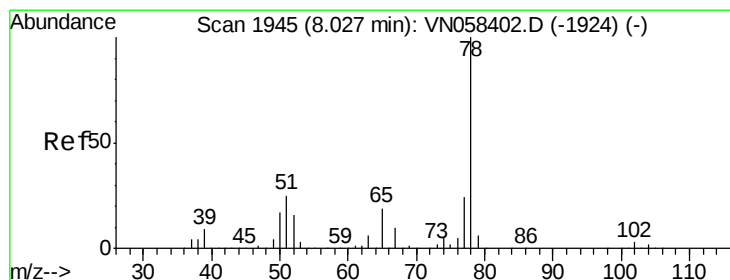
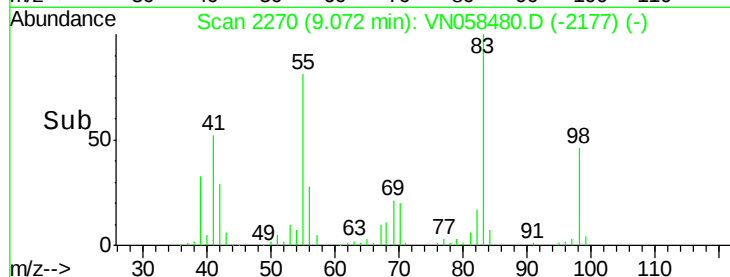
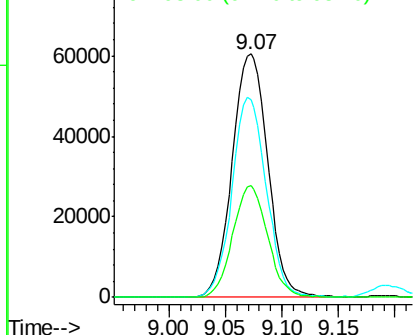
#39
Methylcyclohexane
Concen: 20.317 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tgt Ion: 83 Resp: 132682
Ion Ratio Lower Upper
83 100
55 81.3 61.8 92.6
98 45.8 35.4 53.0

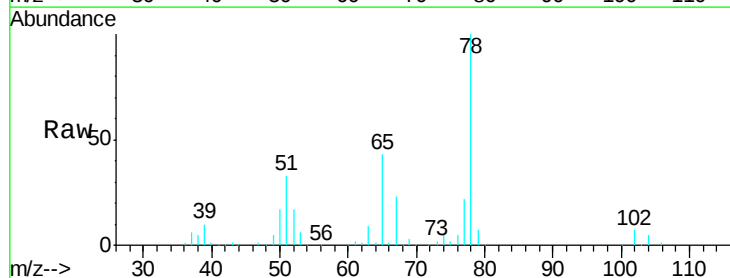


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

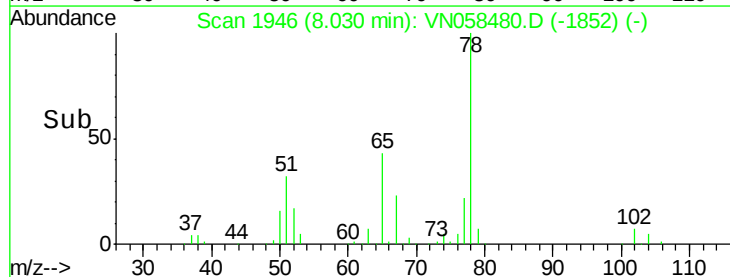
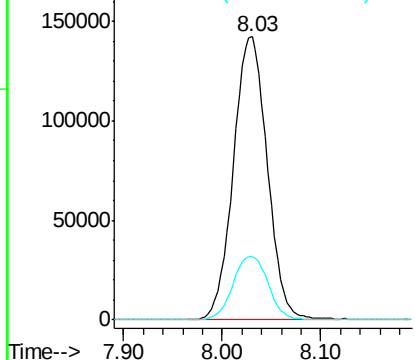


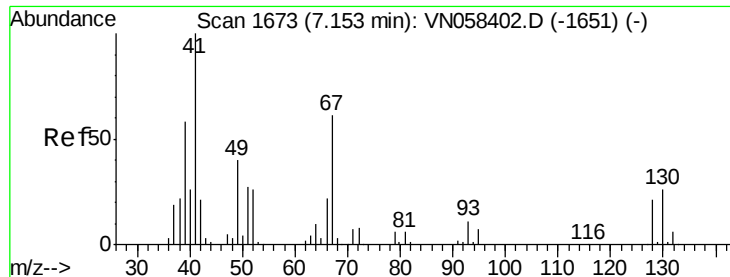
#40
Benzene
Concen: 21.182 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion: 78 Resp: 340493
Ion Ratio Lower Upper
78 100
77 22.2 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: 79.583 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.04 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

Tgt Ion: 41 Resp: 173590

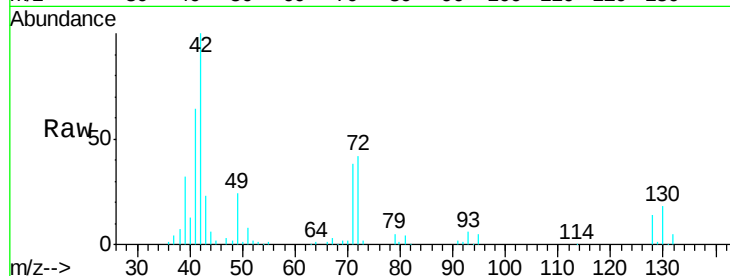
Ion Ratio Lower Upper

41 100

39 0.0 50.2 75.4#

67 0.0 70.2 105.4#

52 0.0 31.4 47.0#

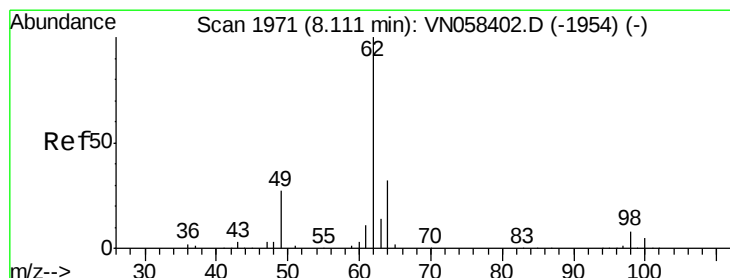
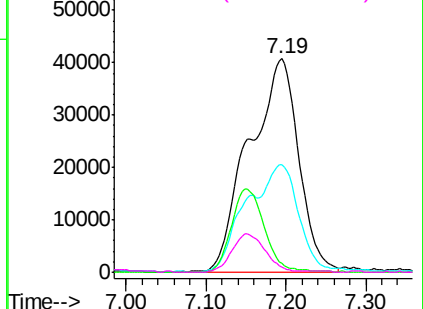
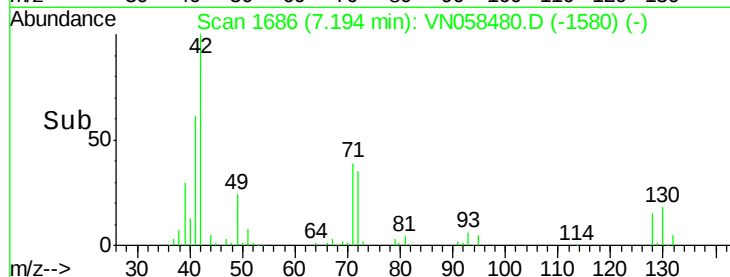


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 21.116 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN058480.D

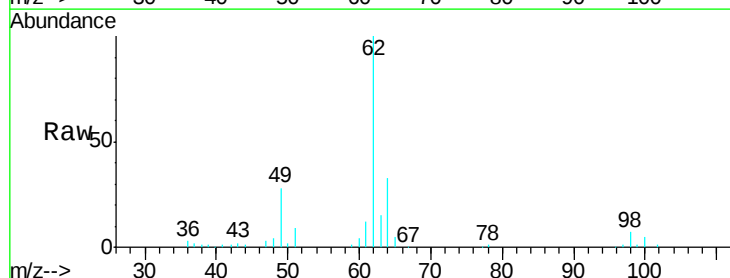
Acq: 2 Oct 2019 17:23

Tgt Ion: 62 Resp: 132057

Ion Ratio Lower Upper

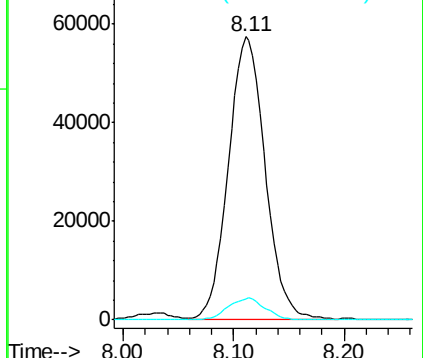
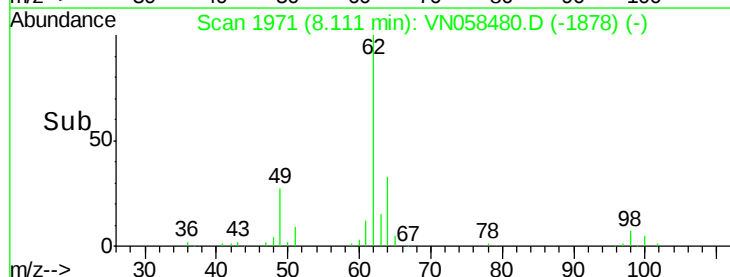
62 100

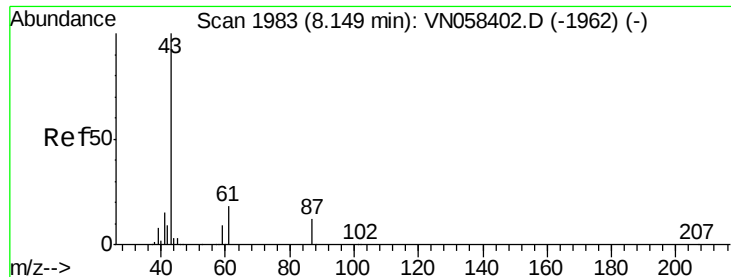
98 7.8 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC

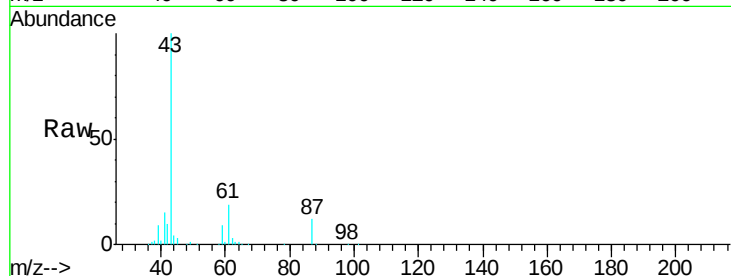




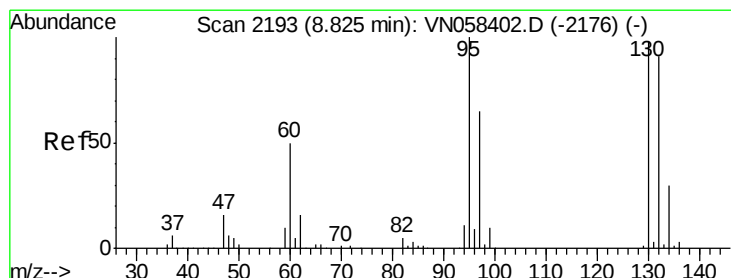
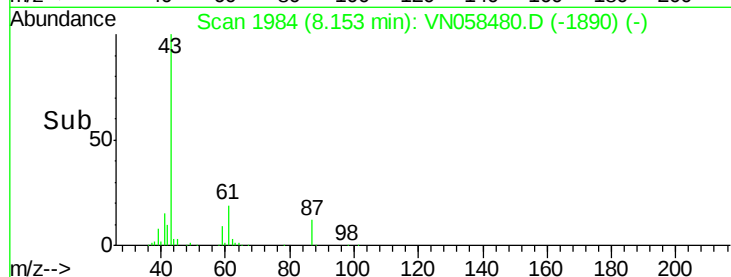
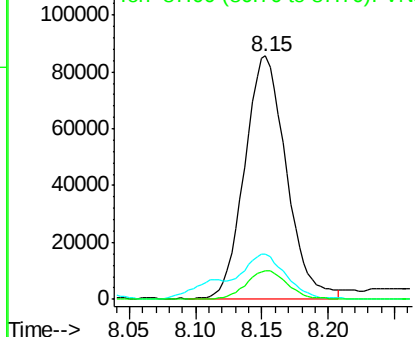
#43
Isopropyl Acetate
Concen: 20.893 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tgt Ion: 43 Resp: 186278
Ion Ratio Lower Upper
43 100
61 18.5 14.8 22.2
87 11.7 9.7 14.5

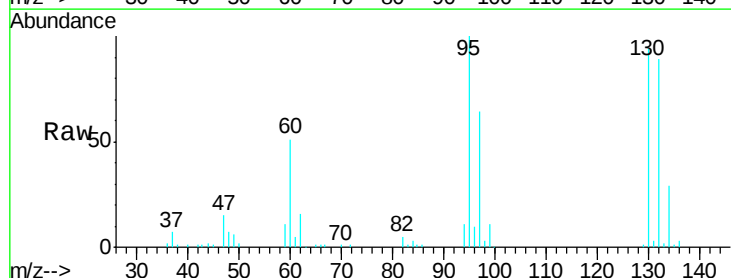


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

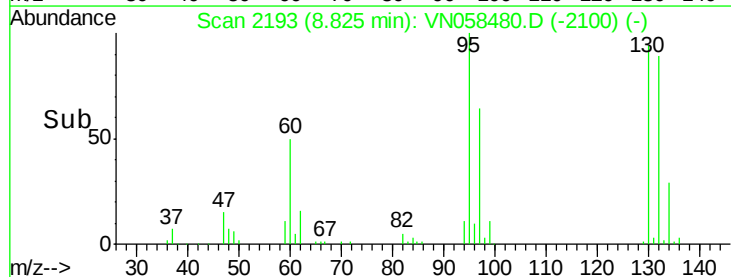
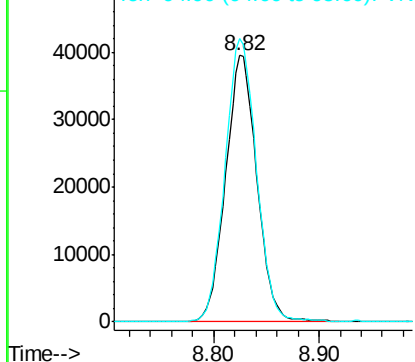


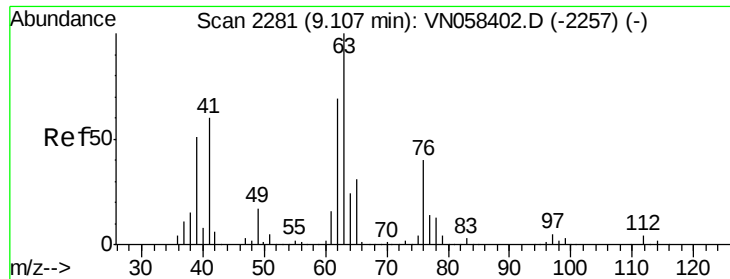
#44
Trichloroethene
Concen: 20.436 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion:130 Resp: 81114
Ion Ratio Lower Upper
130 100
95 106.2 0.0 204.2



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

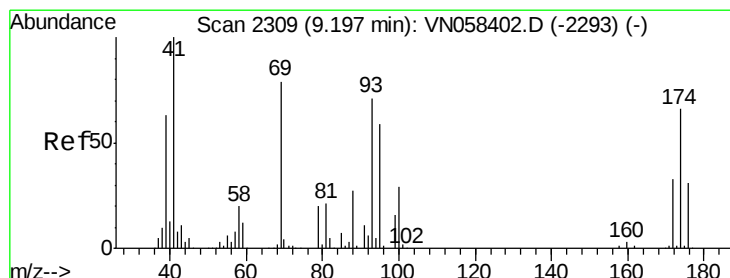
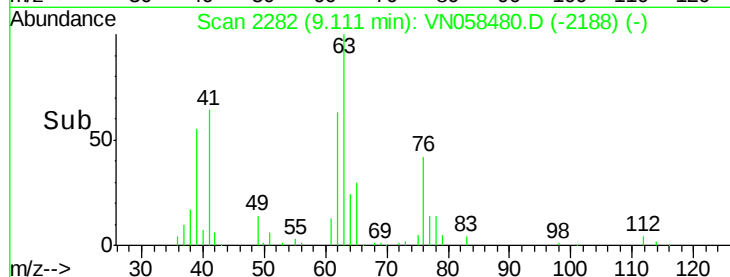
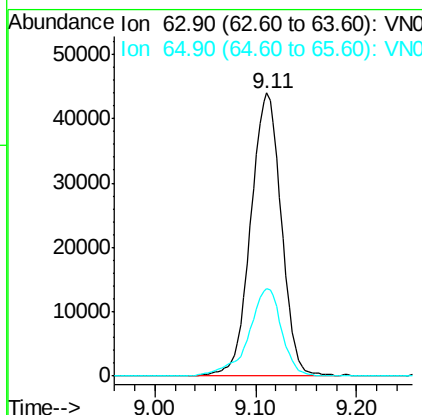
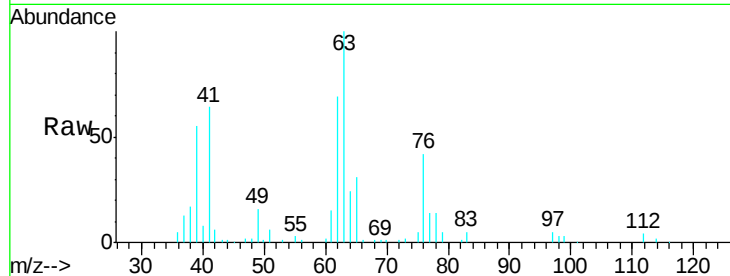




#45
 1,2-Dichloropropane
 Concen: 21.393 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

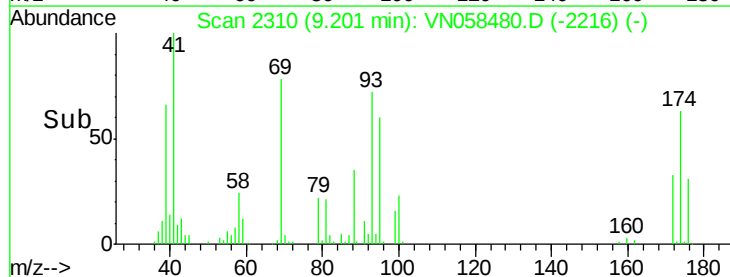
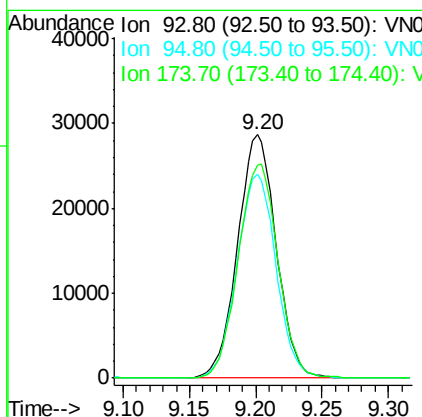
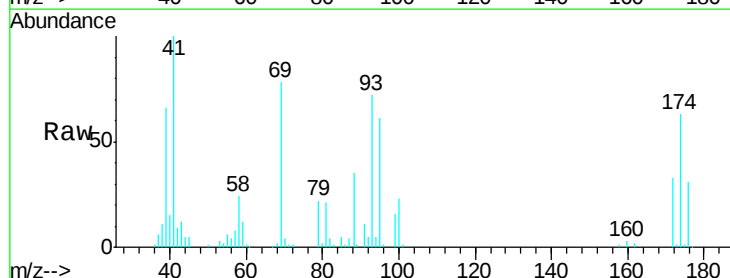
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

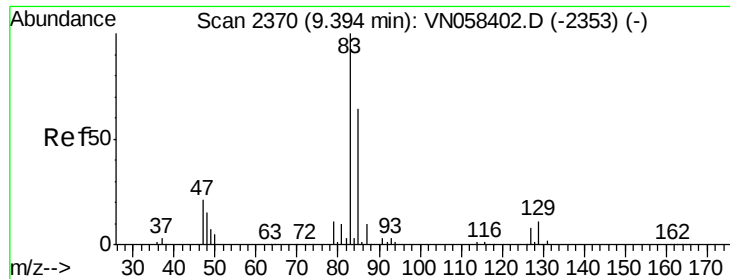
Tgt Ion: 63 Resp: 92230
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4



#46
 Dibromomethane
 Concen: 21.250 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion: 93 Resp: 58018
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.0 100.4
 174 90.5 74.2 111.2

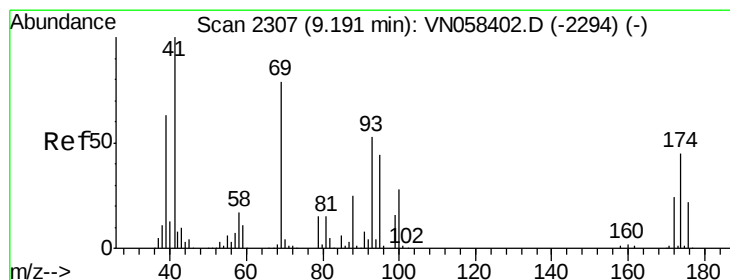
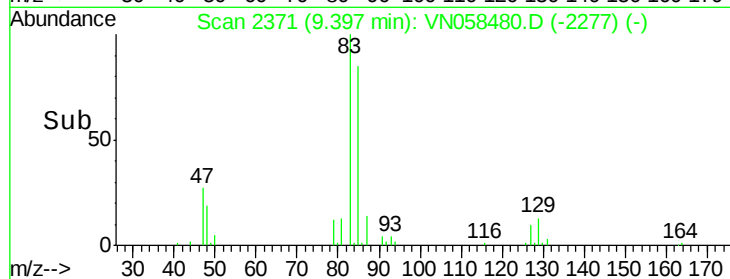
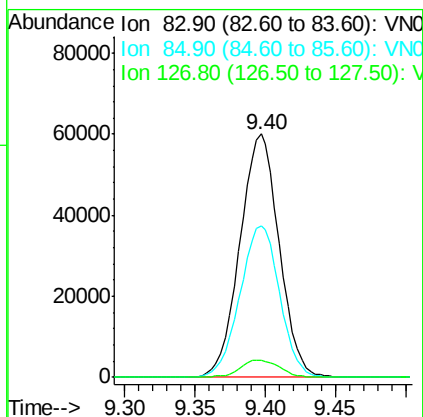
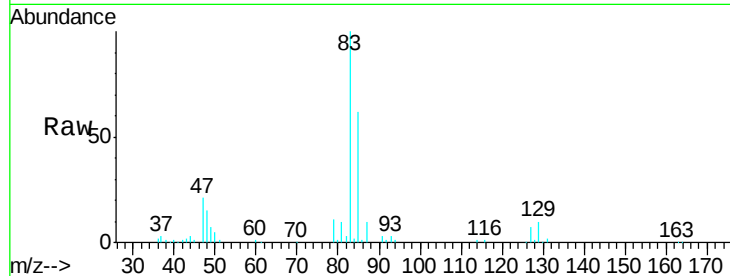




#47
Bromodichloromethane
Concen: 22.576 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

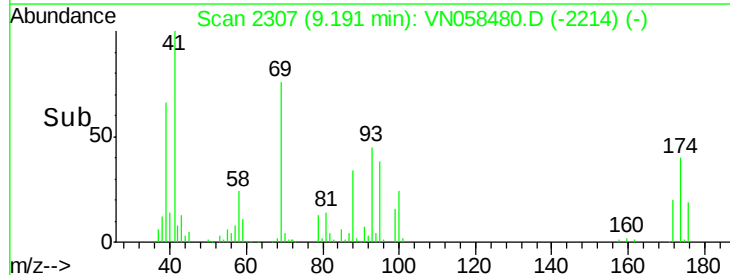
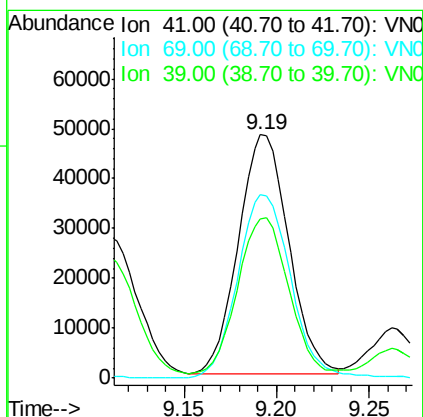
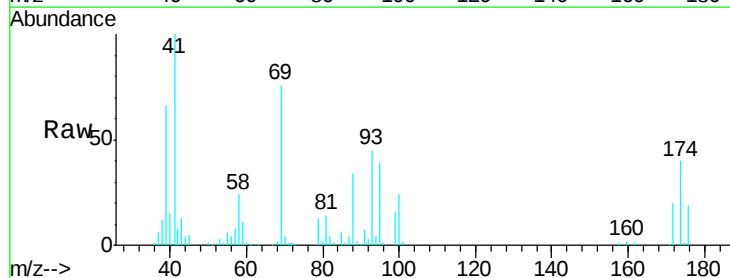
Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

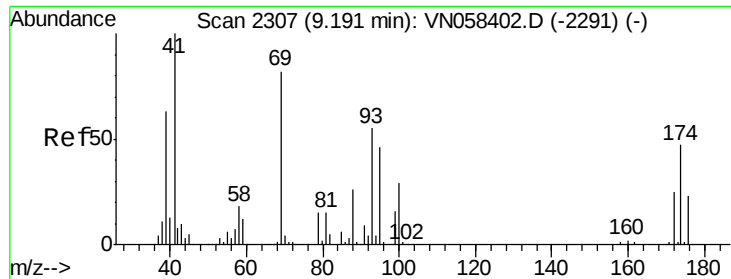
Tgt Ion: 83 Resp: 116782
Ion Ratio Lower Upper
83 100
85 62.4 51.2 76.8
127 7.0 6.3 9.5



#48
Methyl methacrylate
Concen: 22.315 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion: 41 Resp: 90593
Ion Ratio Lower Upper
41 100
69 81.1 64.7 97.1
39 68.5 52.9 79.3

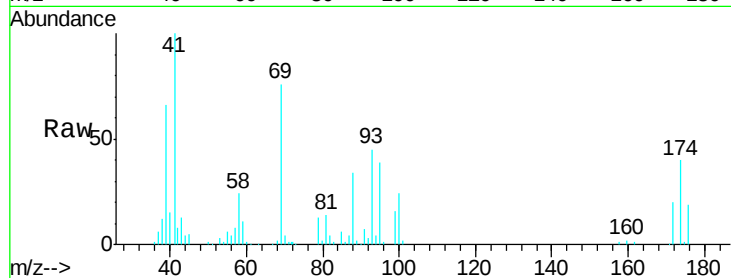




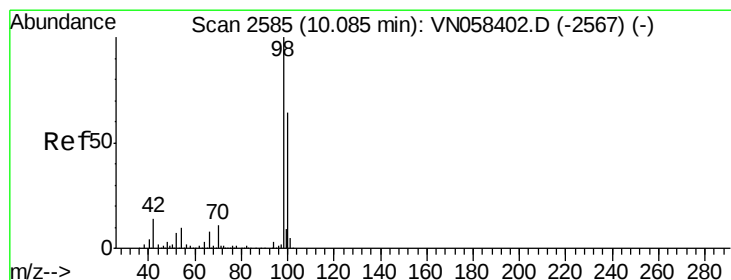
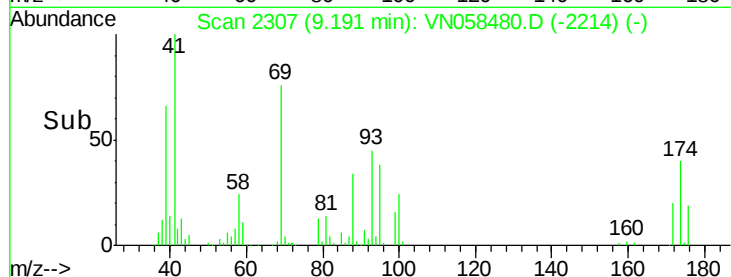
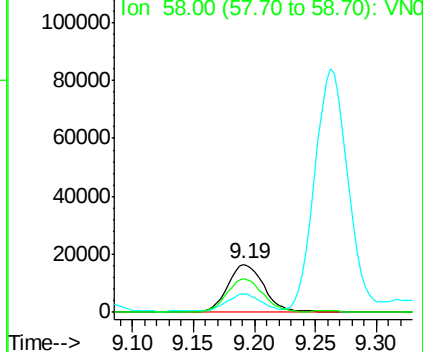
#49
 1,4-Dioxane
 Concen: 634.170 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN1002WBSD01

Tgt Ion: 88 Resp: 34426
 Ion Ratio Lower Upper
 88 100
 43 34.7 31.1 46.7
 58 70.3 58.1 87.1

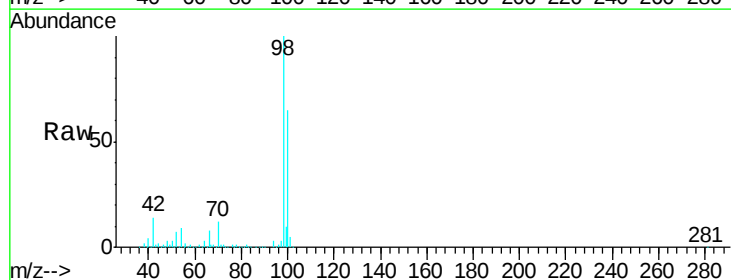


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

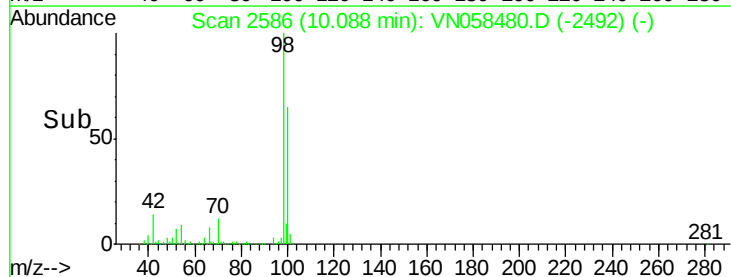
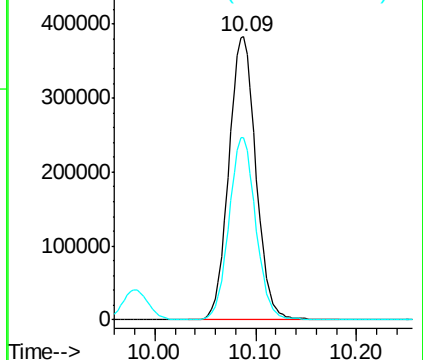


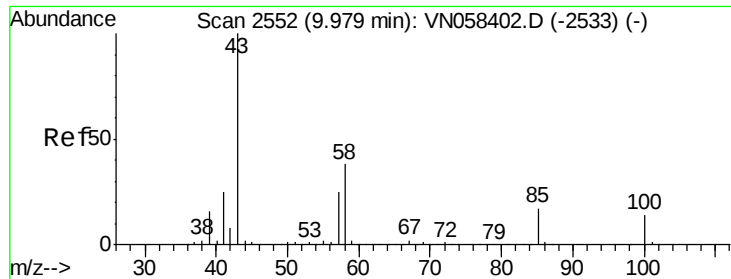
#50
 Toluene-d8
 Concen: 51.111 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion: 98 Resp: 717692
 Ion Ratio Lower Upper
 98 100
 100 63.4 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: 127.234 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

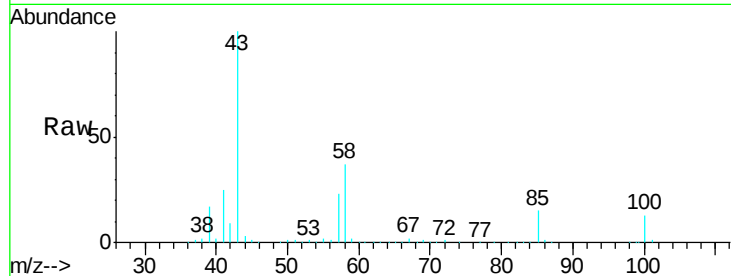
VN1002WBSD01

Tgt Ion: 43 Resp: 582704

Ion Ratio Lower Upper

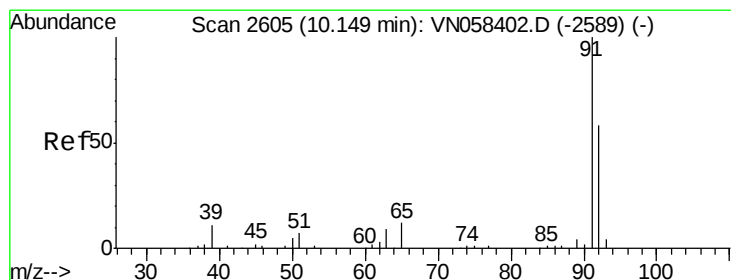
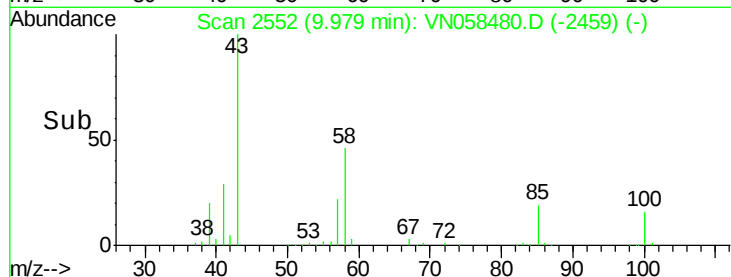
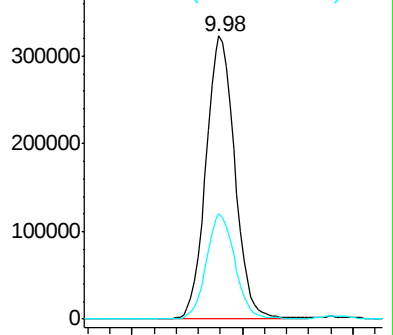
43 100

58 37.0 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: 20.346 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058480.D

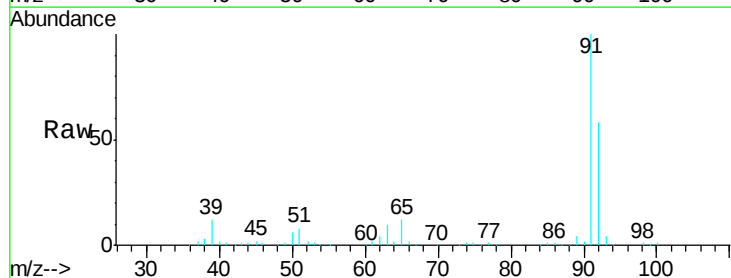
Acq: 2 Oct 2019 17:23

Tgt Ion: 92 Resp: 205858

Ion Ratio Lower Upper

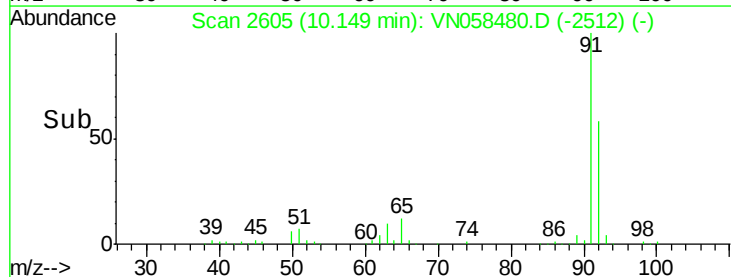
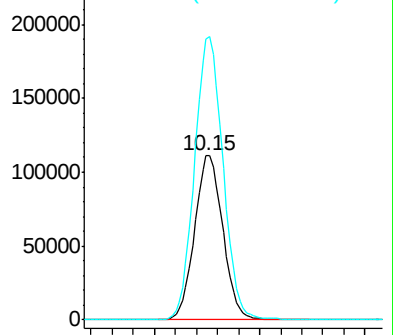
92 100

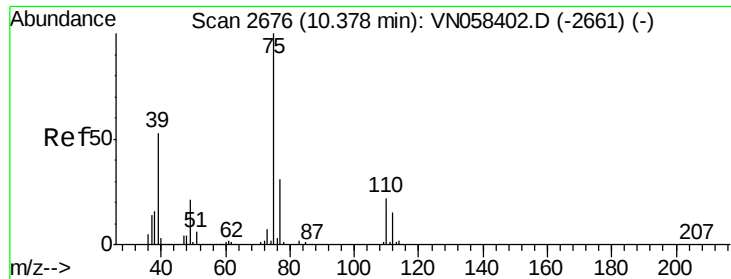
91 174.0 140.2 210.4



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: 20.854 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

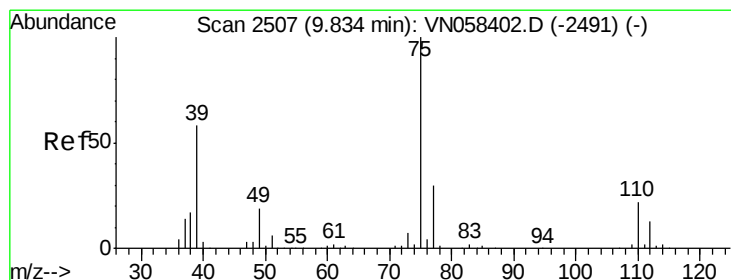
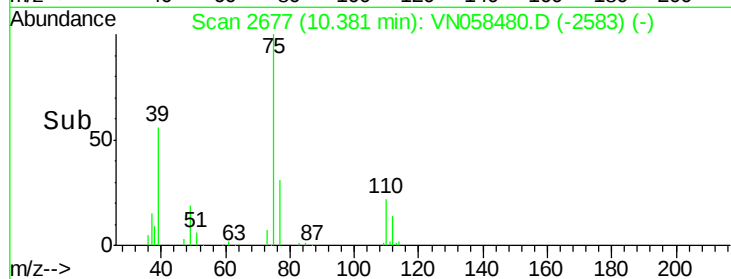
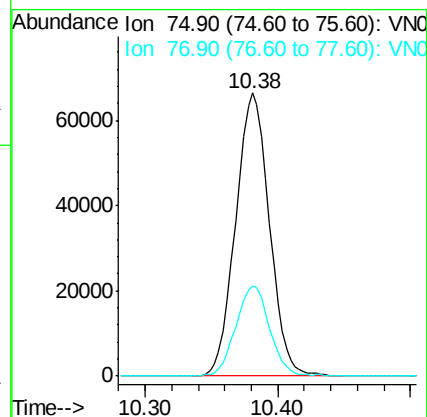
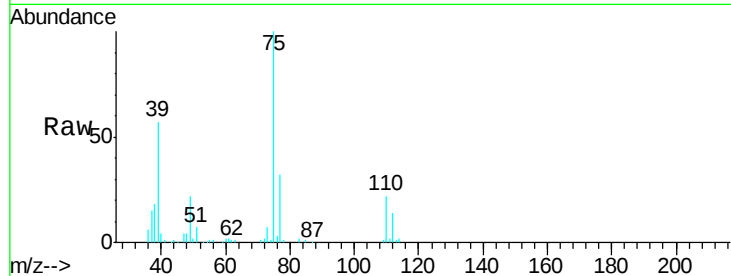
VN1002WBSD01

Tgt Ion: 75 Resp: 117417

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 21.315 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

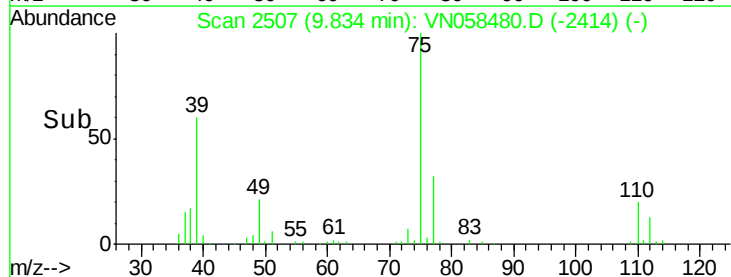
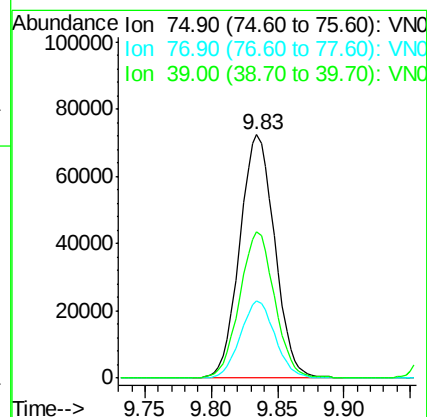
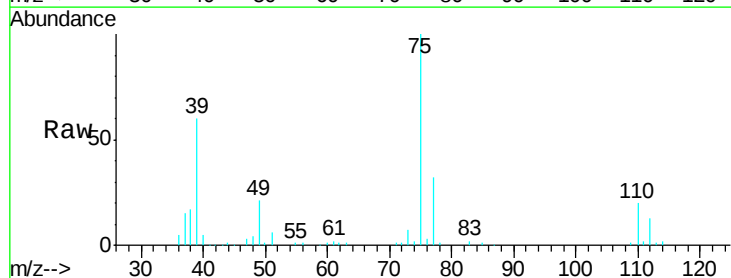
Tgt Ion: 75 Resp: 133219

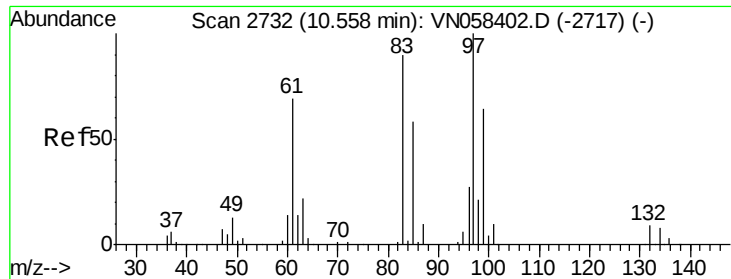
Ion Ratio Lower Upper

75 100

77 31.6 24.2 36.4

39 59.6 46.4 69.6

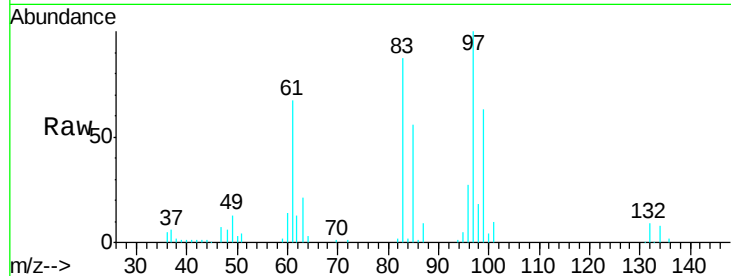




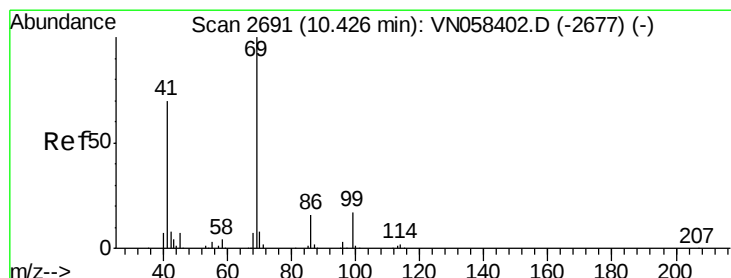
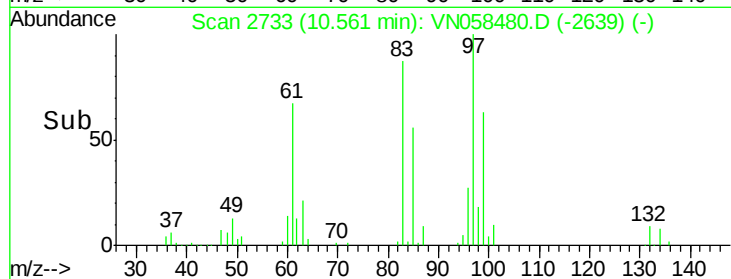
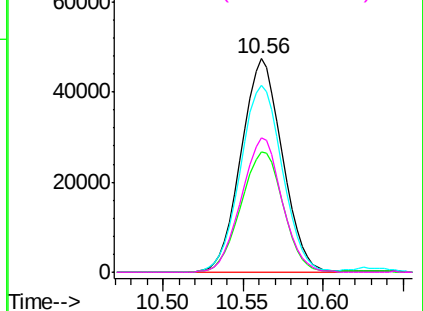
#55
 1,1,2-Trichloroethane
 Concen: 22.600 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

Tgt Ion: 97 Resp: 83261
 Ion Ratio Lower Upper
 97 100
 83 87.3 71.8 107.6
 85 56.1 46.6 69.8
 99 63.0 51.5 77.3

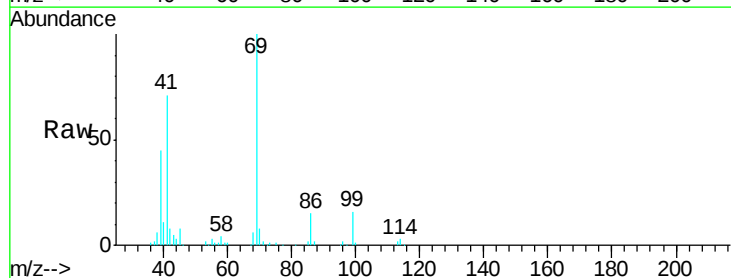


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

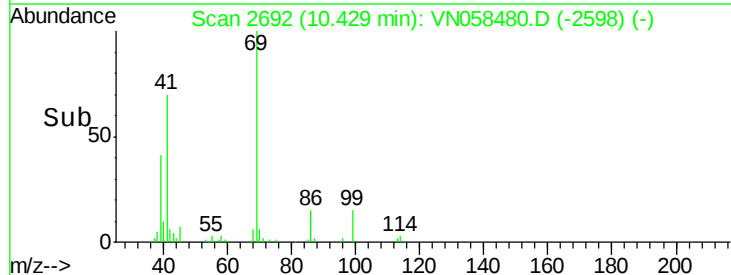
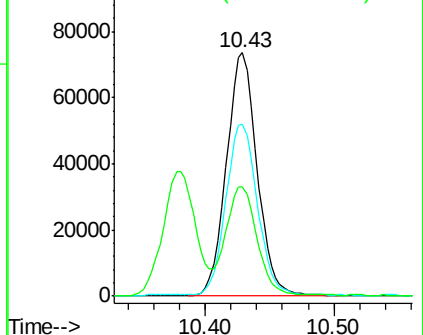


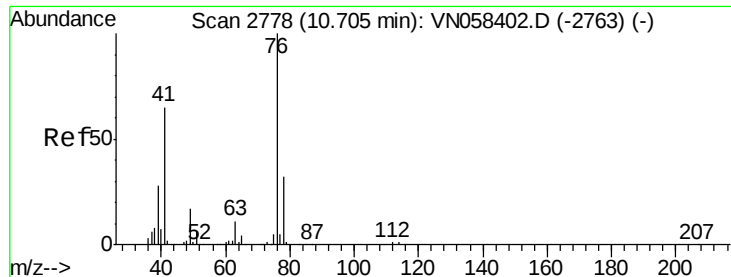
#56
 Ethyl methacrylate
 Concen: 21.807 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion: 69 Resp: 121908
 Ion Ratio Lower Upper
 69 100
 41 71.6 56.3 84.5
 39 46.1 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

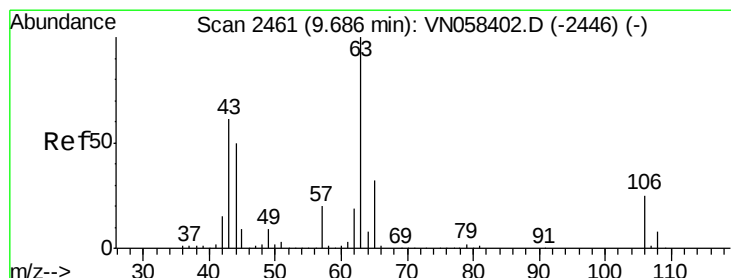
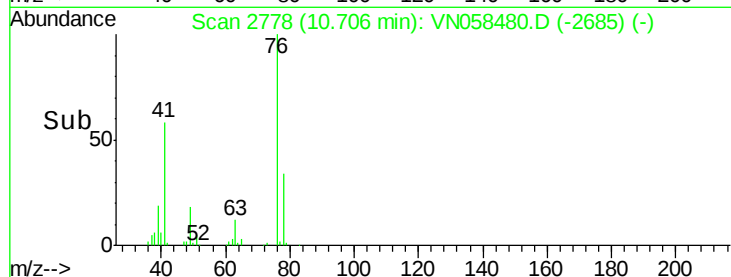
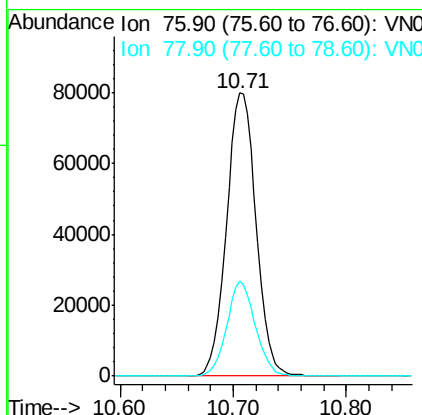
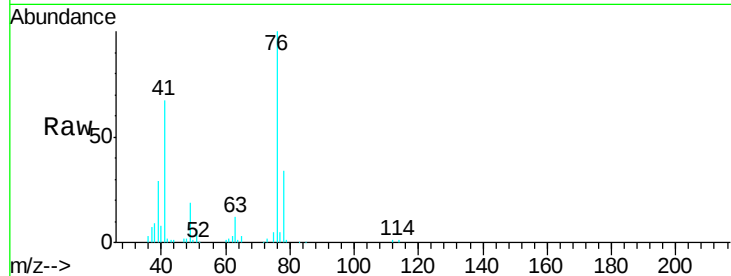




#57
 1,3-Dichloropropane
 Concen: 22.023 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

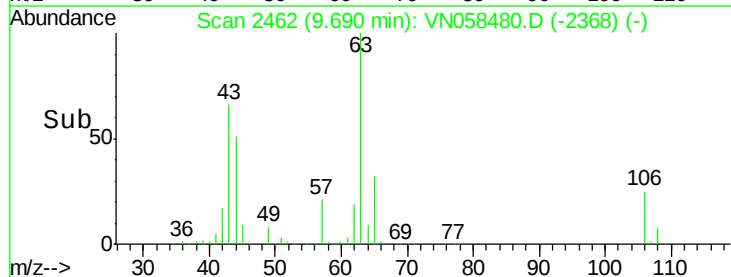
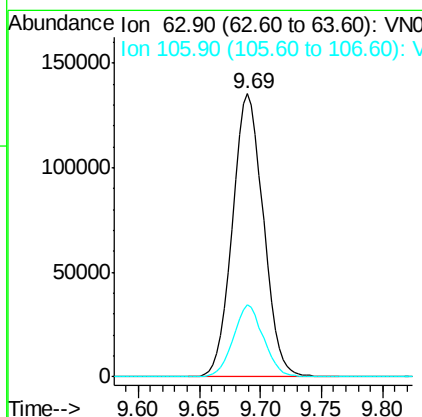
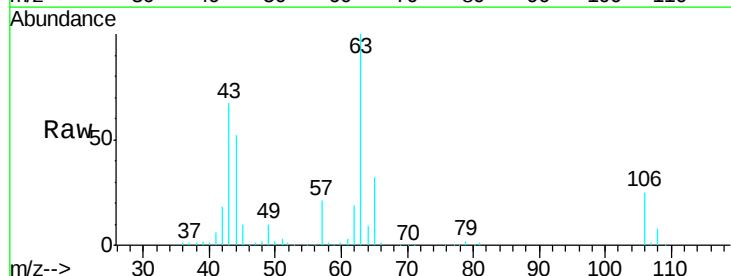
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

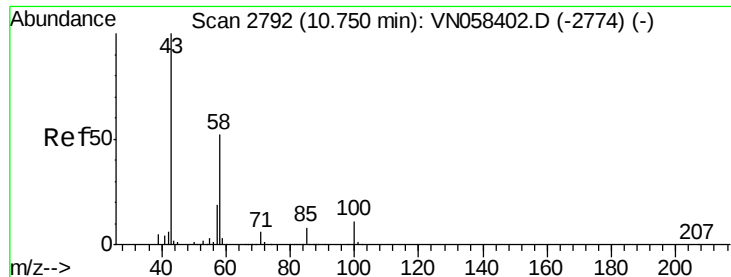
Tgt Ion: 76 Resp: 144724
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.140 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion: 63 Resp: 238828
 Ion Ratio Lower Upper
 63 100
 106 24.7 20.3 30.5

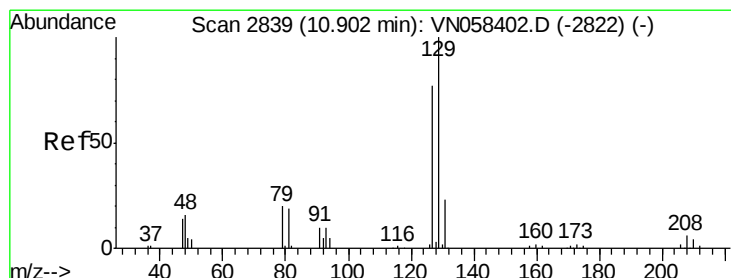
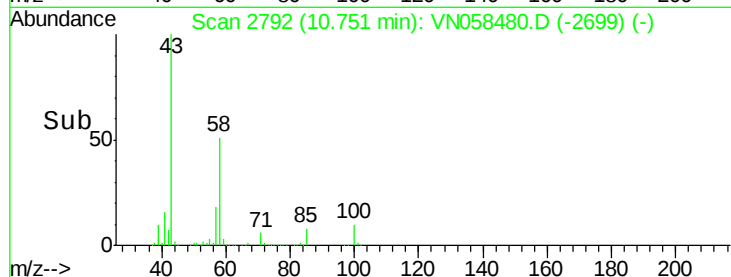
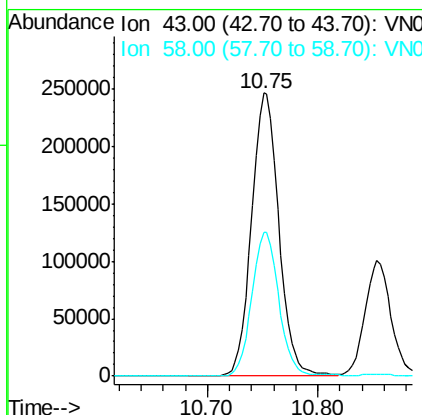
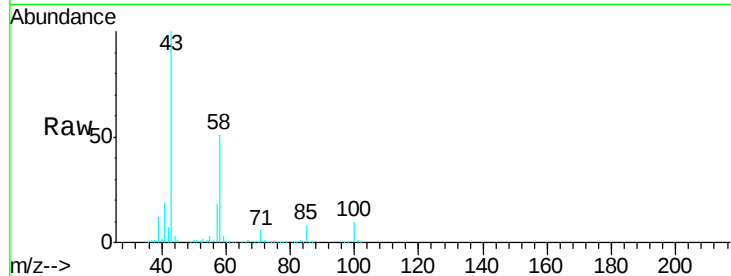




#59
2-Hexanone
Concen: 126.467 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

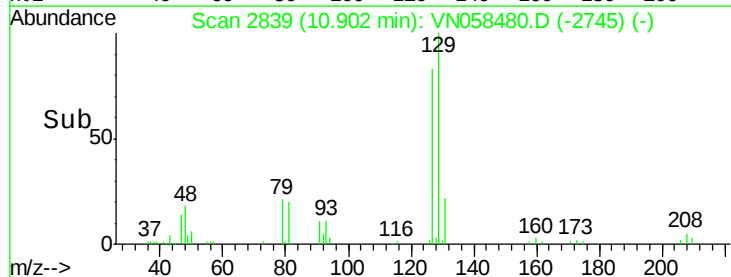
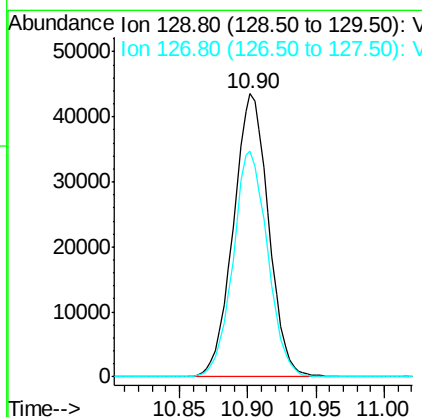
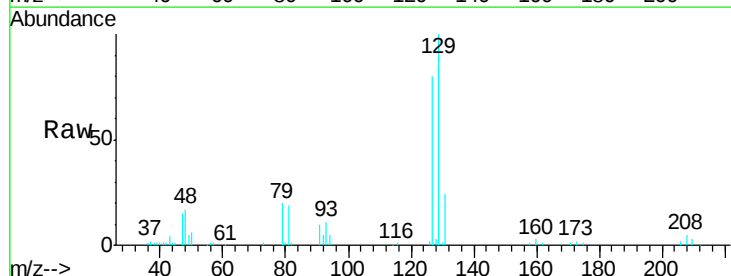
Instrument :
MSVOA_N
ClientSampled :
VN1002WBSD01

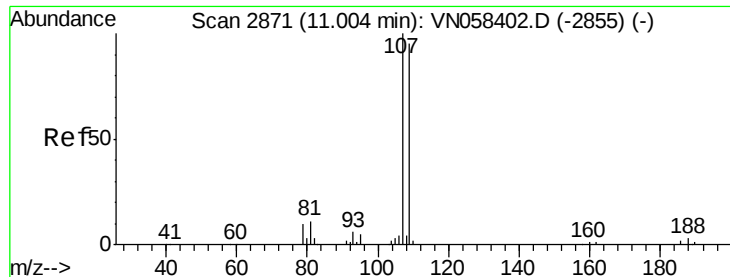
Tgt Ion: 43 Resp: 421739
Ion Ratio Lower Upper
43 100
58 50.7 25.8 77.3



#60
Dibromochloromethane
Concen: 20.122 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion: 129 Resp: 78026
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 21.305 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

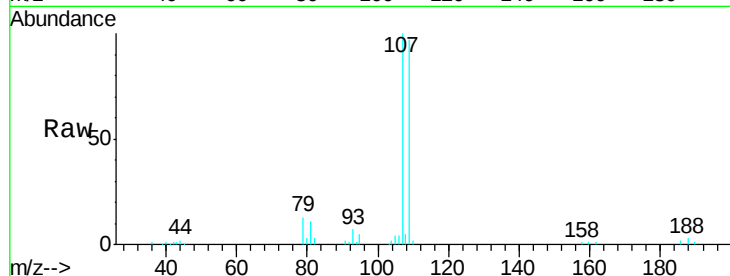
VN1002WBSD01

Tgt Ion: 107 Resp: 80202

Ion Ratio Lower Upper

107 100

109 96.3 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

40000

30000

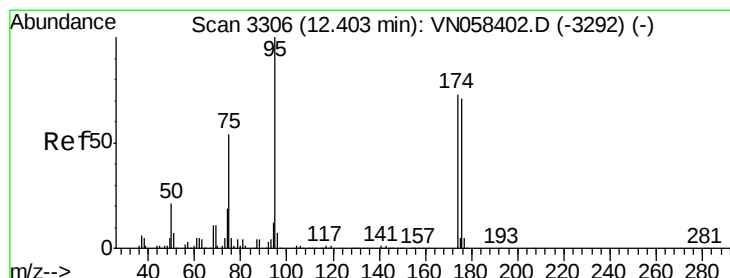
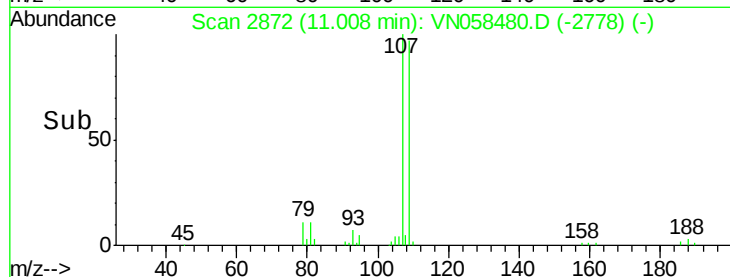
20000

10000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 49.643 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

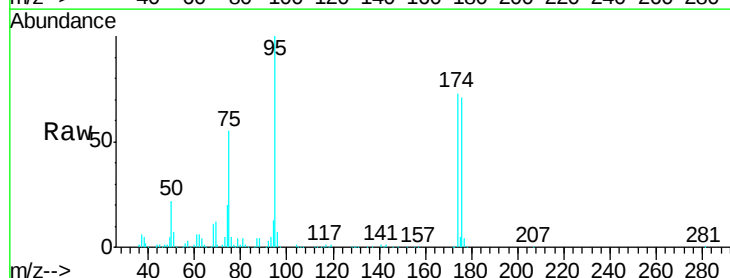
Tgt Ion: 95 Resp: 252053

Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.6

176 72.6 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

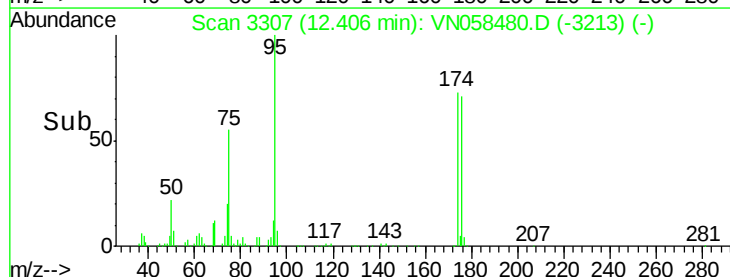
100000

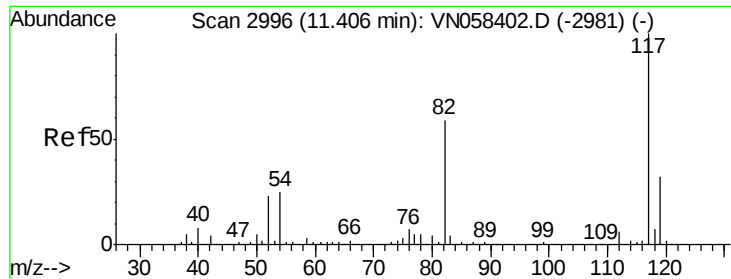
50000

0

Time-->

12.35 12.40 12.45 12.50

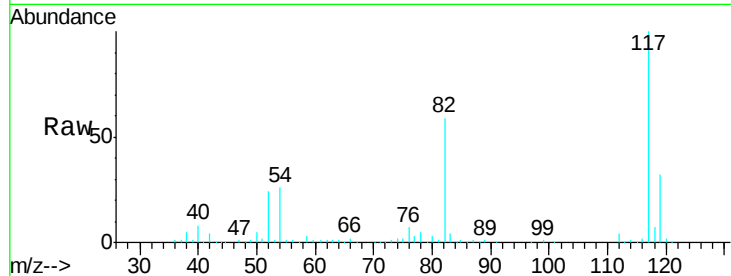




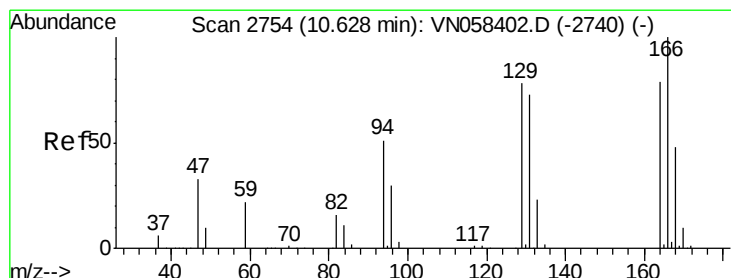
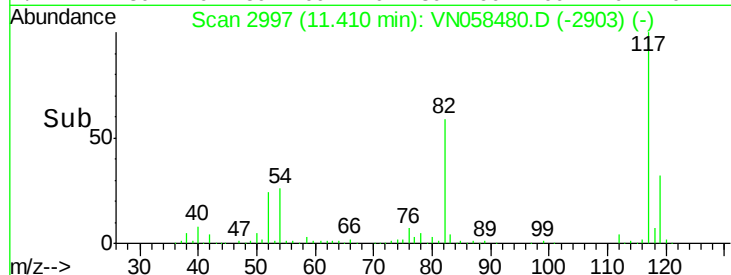
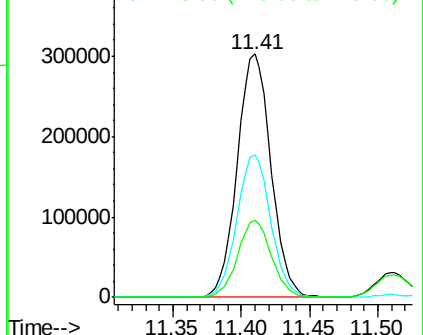
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tgt Ion:117 Resp: 520571
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.0
119 31.5 25.5 38.3



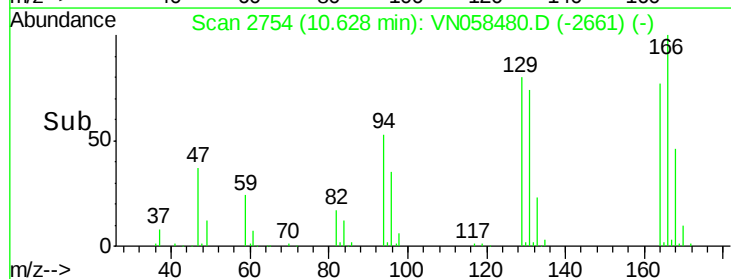
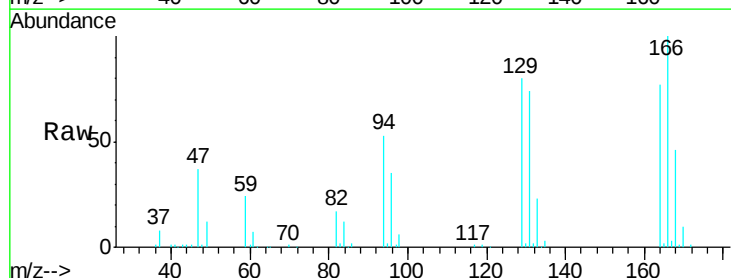
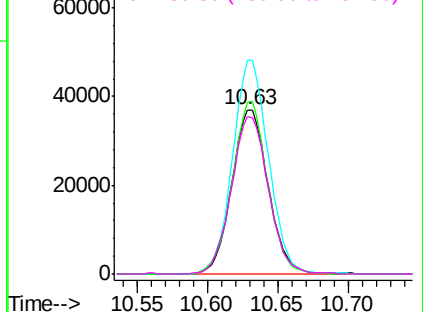
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

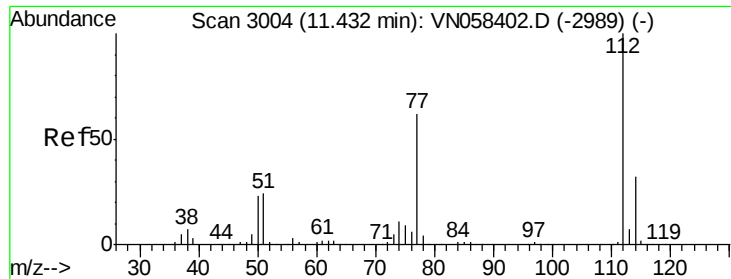


#64
Tetrachloroethene
Concen: 20.256 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion:164 Resp: 66993
Ion Ratio Lower Upper
164 100
166 129.9 101.1 151.7
129 104.2 79.2 118.8
131 95.9 74.1 111.1

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

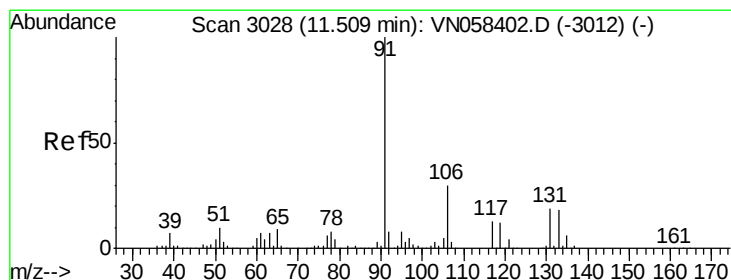
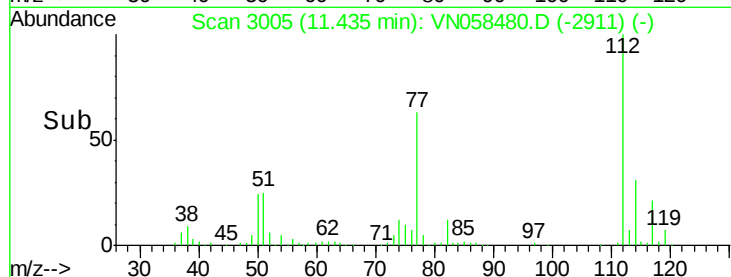
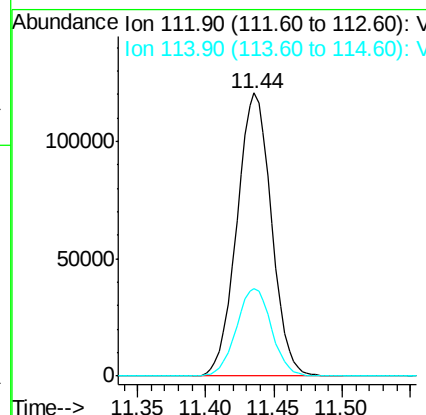
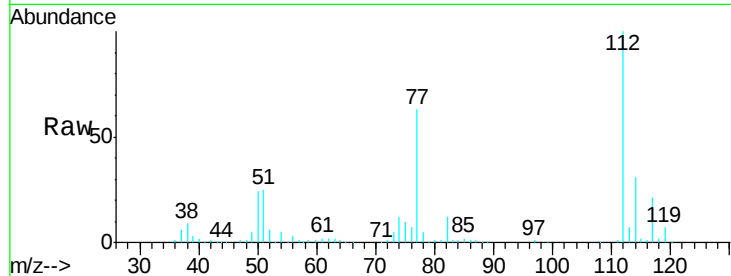




#65
Chlorobenzene
Concen: 20.508 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

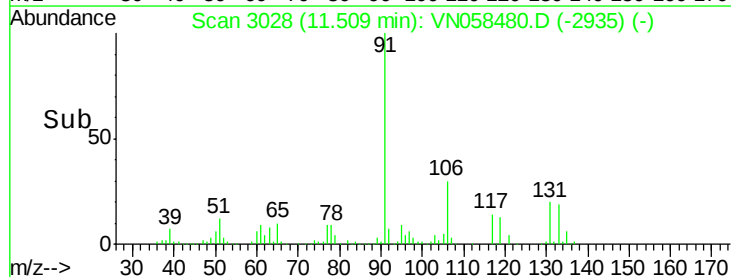
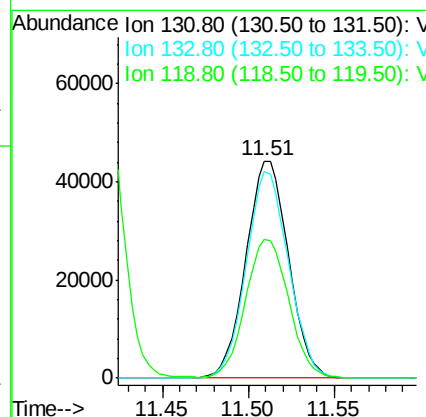
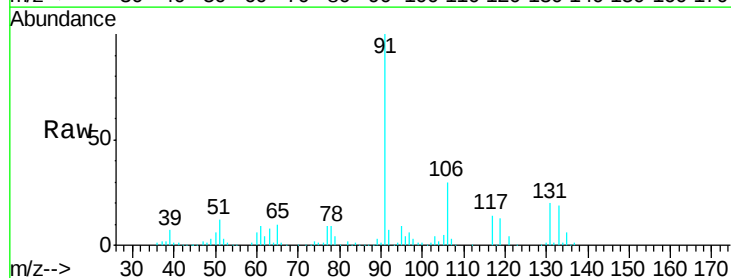
Instrument :
MSVOA_N
ClientSampled :
VN1002WBSD01

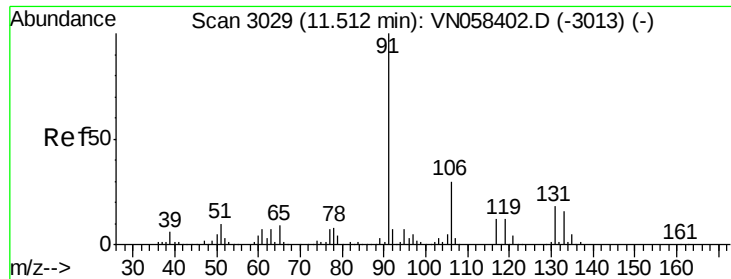
Tgt Ion:112 Resp: 212213
Ion Ratio Lower Upper
112 100
114 30.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.874 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion:131 Resp: 76261
Ion Ratio Lower Upper
131 100
133 94.5 47.8 143.3
119 65.1 33.0 99.0

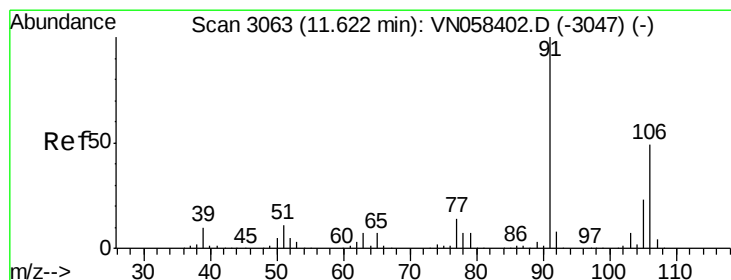
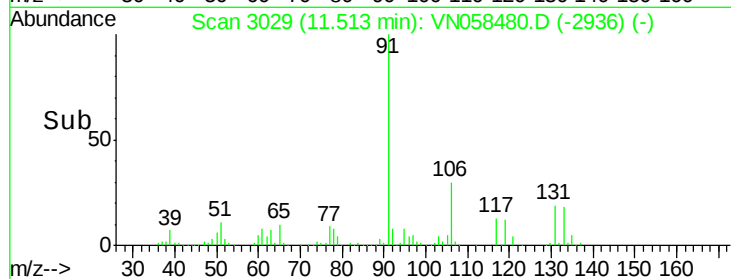
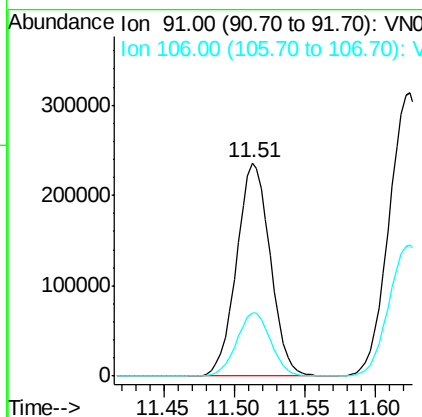
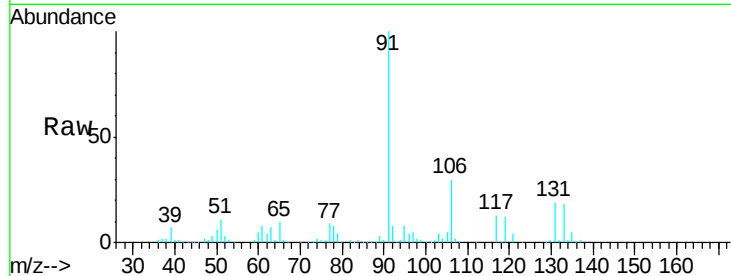




#67
Ethyl Benzene
Concen: 21.077 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

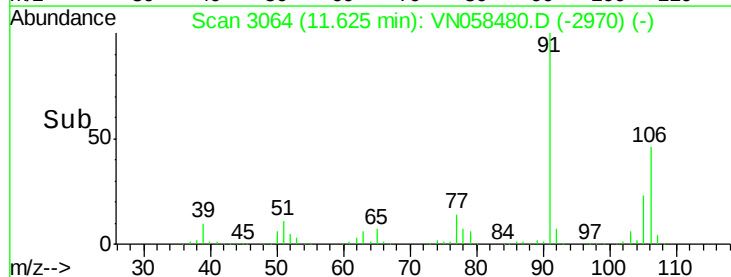
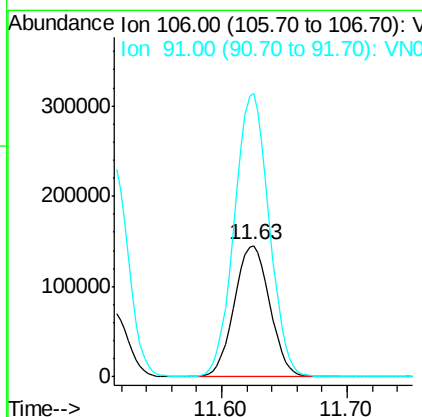
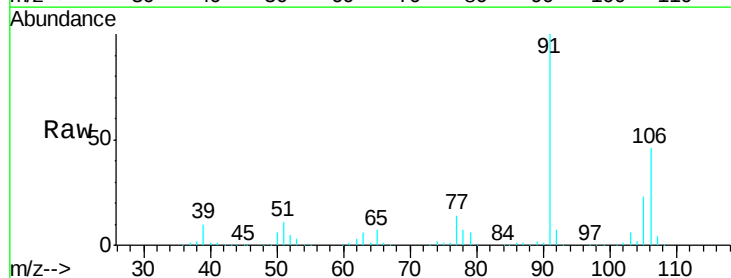
Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

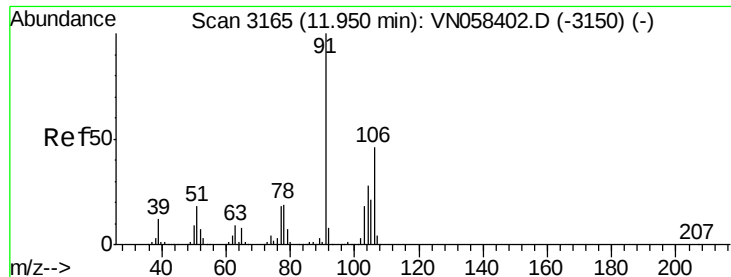
Tgt Ion: 91 Resp: 395034
Ion Ratio Lower Upper
91 100
106 29.9 24.3 36.5



#68
m/p-Xylenes
Concen: 40.443 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion: 106 Resp: 285194
Ion Ratio Lower Upper
106 100
91 211.4 165.0 247.4

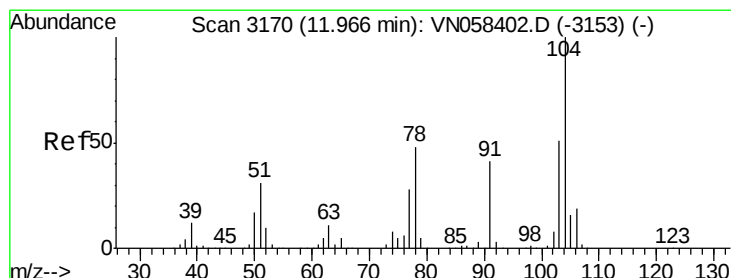
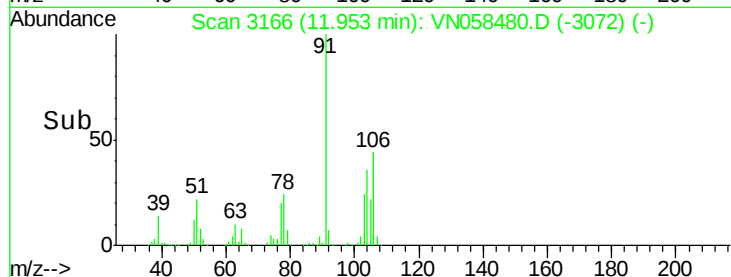
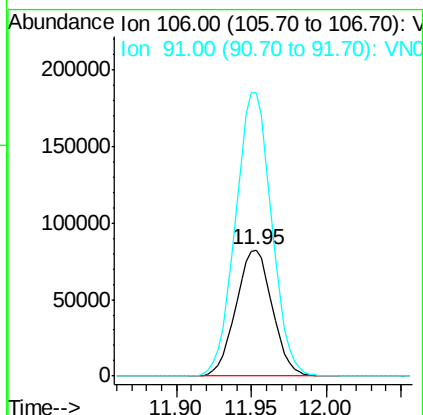
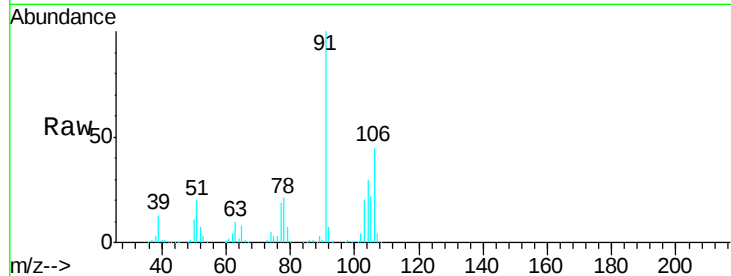




#69
o-Xylene
Concen: 20.521 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

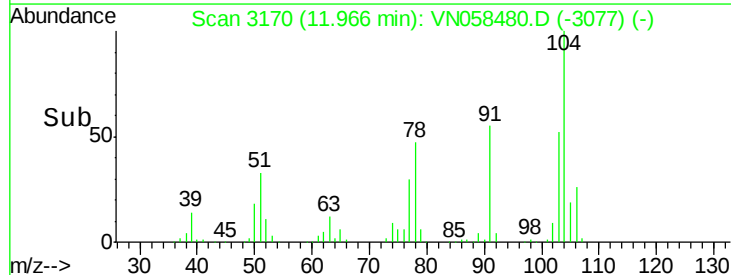
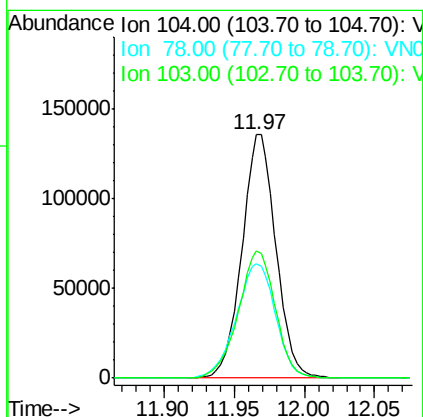
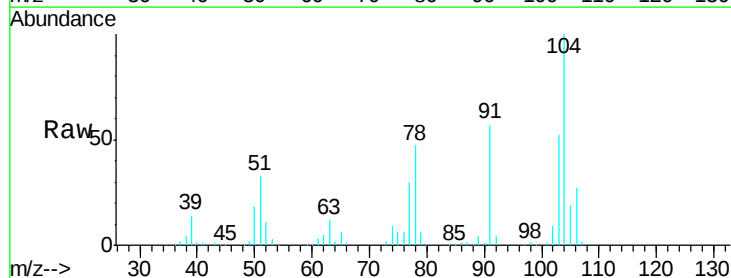
Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

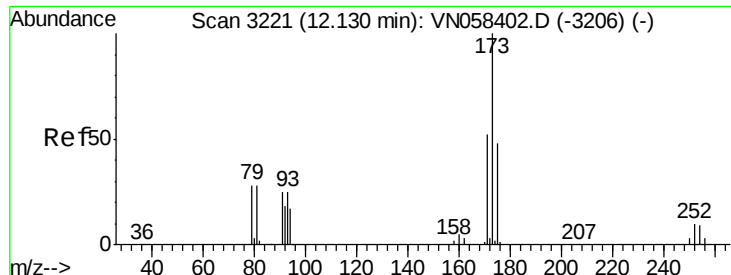
Tgt Ion:106 Resp: 139302
Ion Ratio Lower Upper
106 100
91 223.7 109.1 327.4



#70
Styrene
Concen: 20.788 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion:104 Resp: 229255
Ion Ratio Lower Upper
104 100
78 54.6 42.8 64.2
103 56.8 43.7 65.5

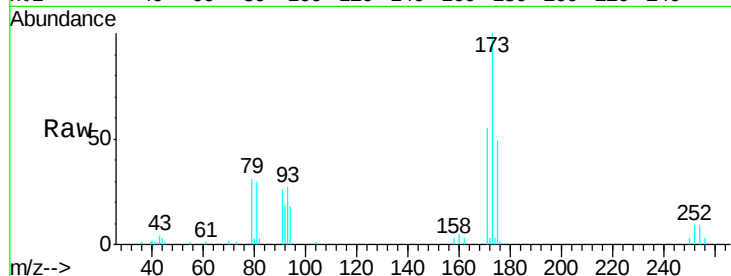




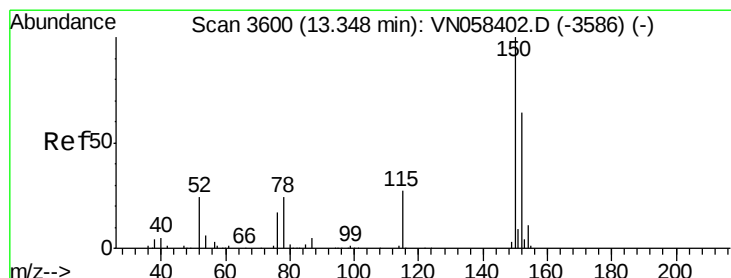
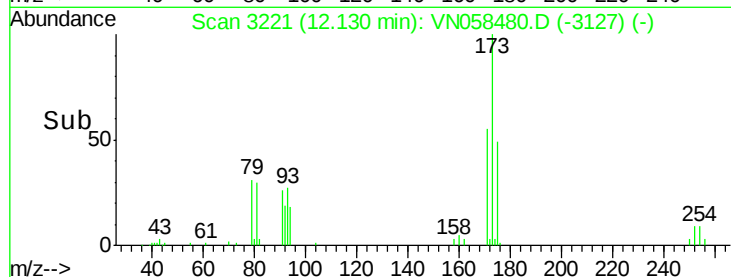
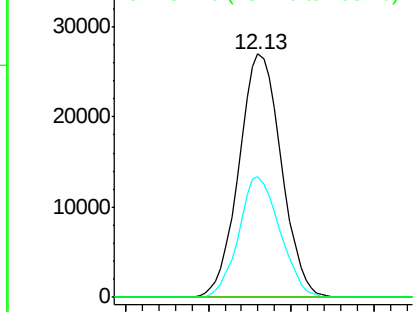
#71
Bromoform
Concen: 20.322 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampled :
VN1002WBSD01

Tgt Ion:173 Resp: 47956
Ion Ratio Lower Upper
173 100
175 47.8 24.3 73.0
254 0.0 0.1 0.1#

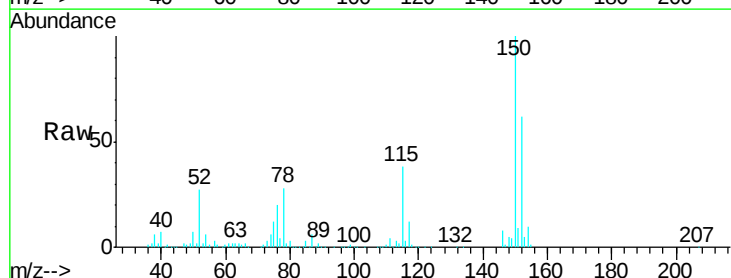


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

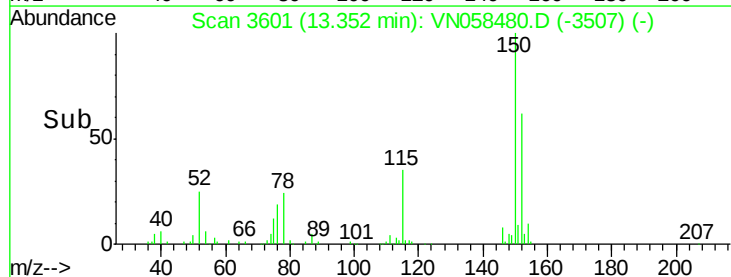
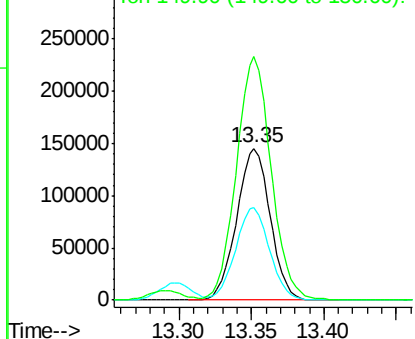


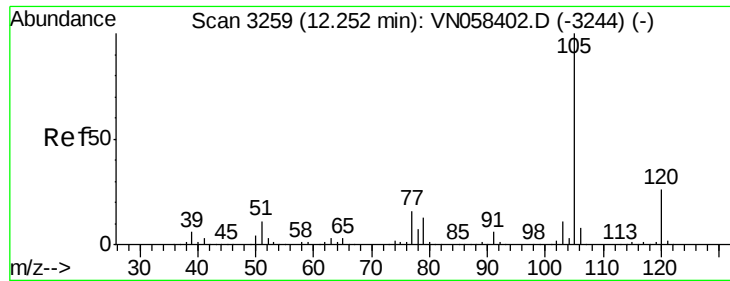
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion:152 Resp: 233225
Ion Ratio Lower Upper
152 100
115 61.5 30.0 90.0
150 166.3 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: 21.917 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

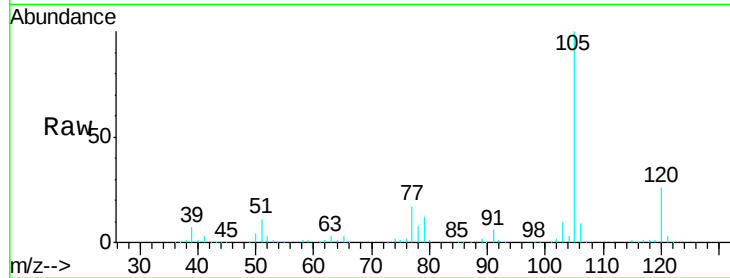
VN1002WBSD01

Tgt Ion:105 Resp: 377761

Ion Ratio Lower Upper

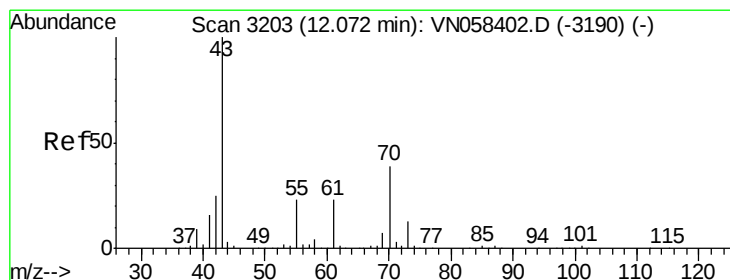
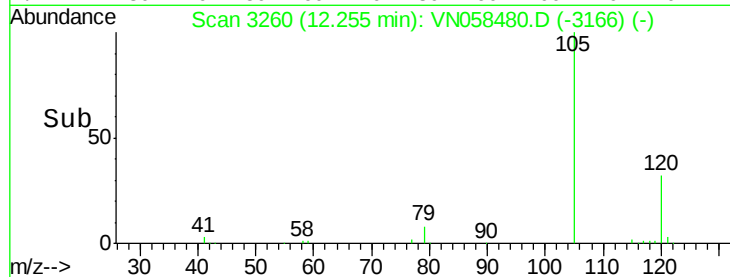
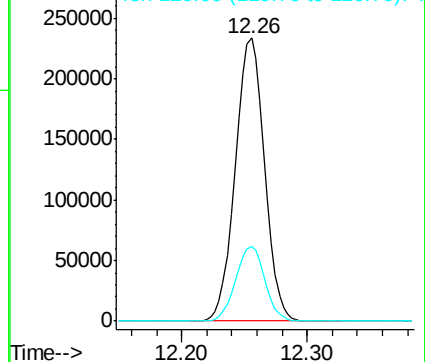
105 100

120 26.4 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: 23.039 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Tgt Ion: 43 Resp: 157975

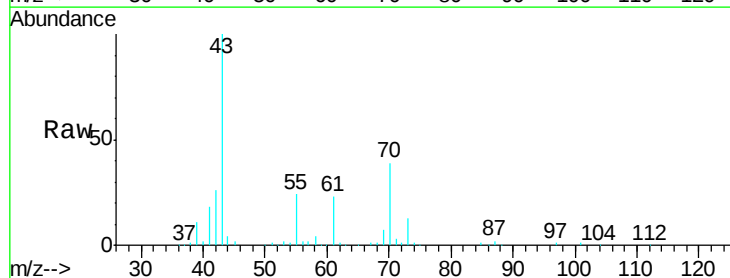
Ion Ratio Lower Upper

43 100

70 37.2 31.4 47.2

55 24.1 18.2 27.4

61 22.2 18.3 27.5

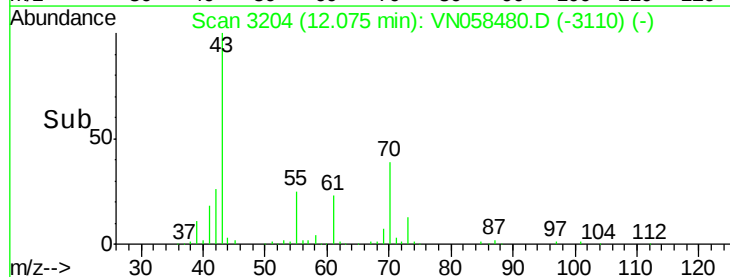
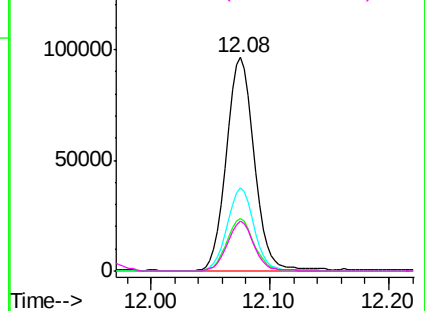


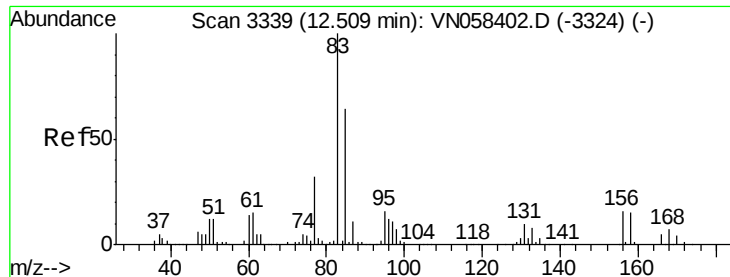
Abundance Ion 43.00 (42.70 to 43.70): V

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: 24.351 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

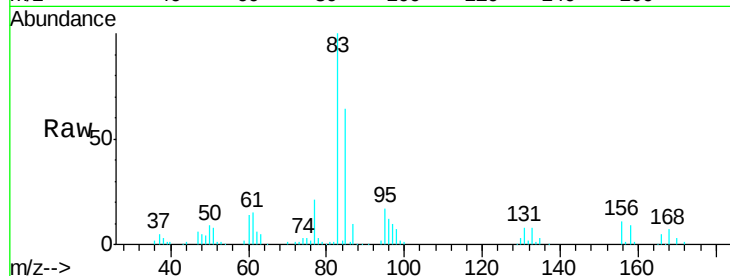
Tgt Ion: 83 Resp: 124110

Ion Ratio Lower Upper

83 100

131 9.1 4.9 14.7

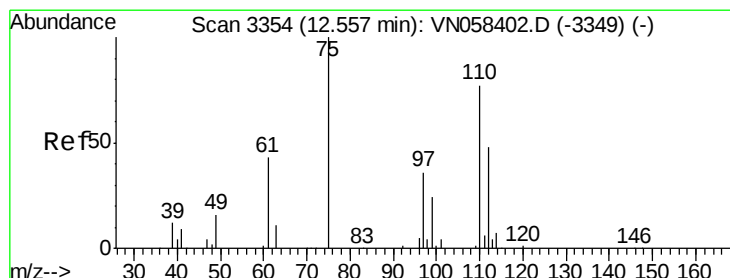
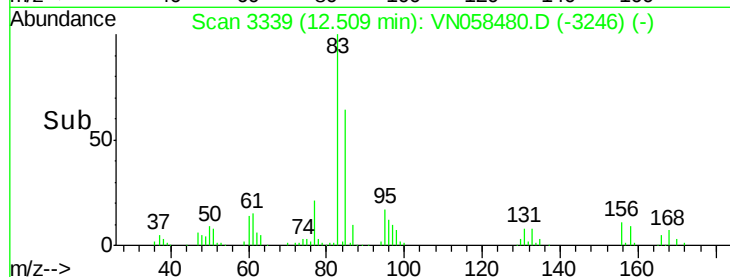
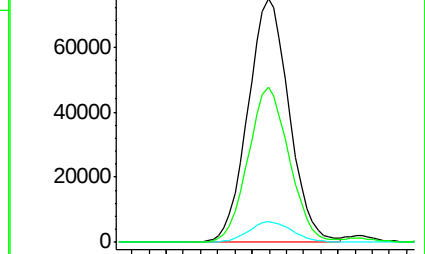
85 63.4 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 34.353 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058480.D

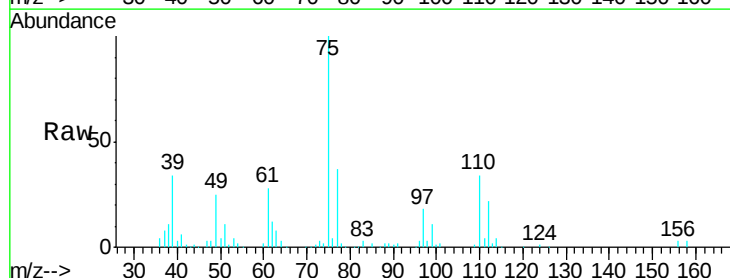
Acq: 2 Oct 2019 17:23

Tgt Ion: 75 Resp: 146338

Ion Ratio Lower Upper

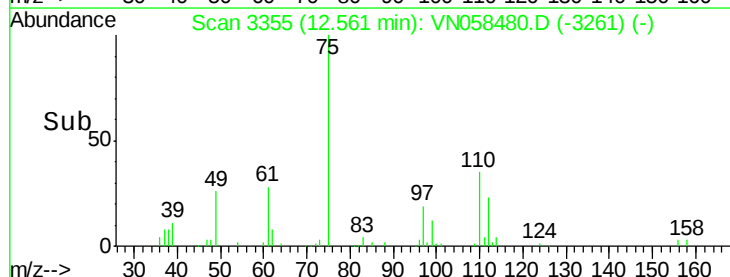
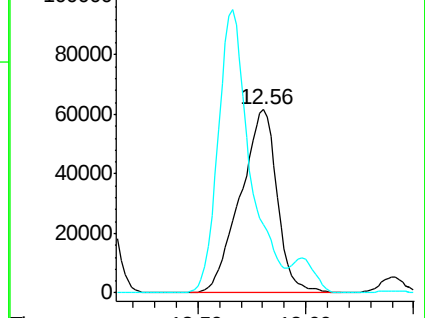
75 100

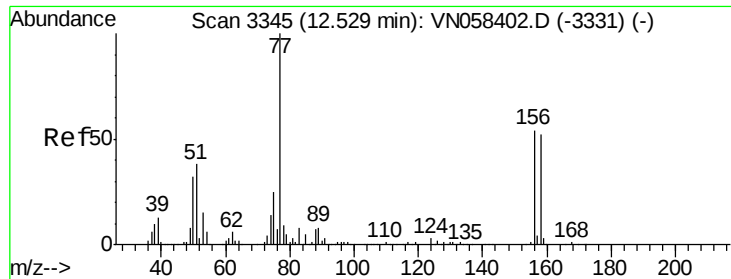
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.381 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

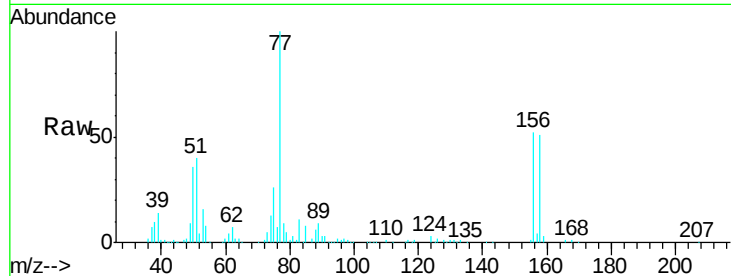
Tgt Ion:156 Resp: 86409

Ion Ratio Lower Upper

156 100

77 226.4 110.0 330.0

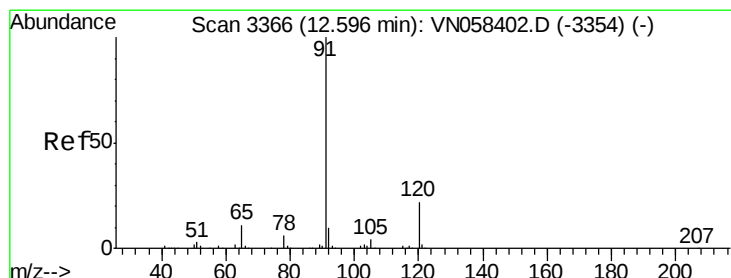
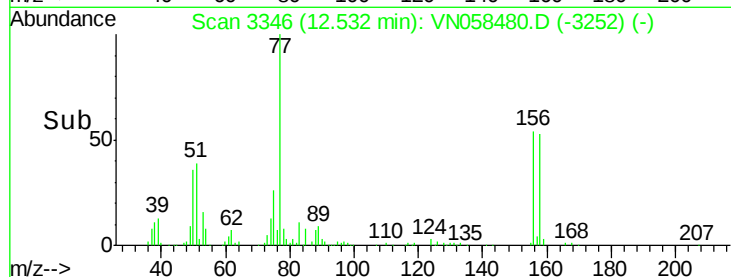
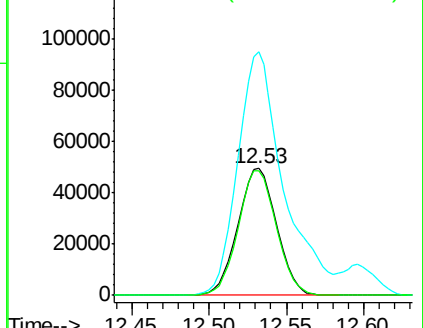
158 97.1 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.779 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058480.D

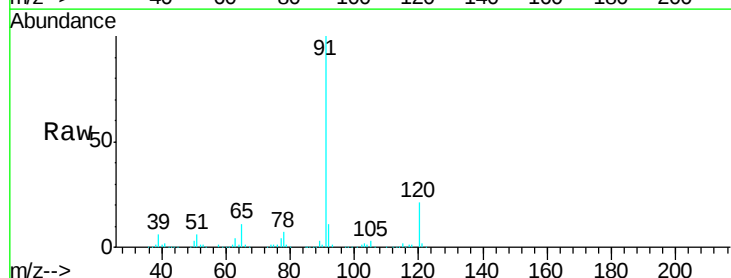
Acq: 2 Oct 2019 17:23

Tgt Ion: 91 Resp: 442317

Ion Ratio Lower Upper

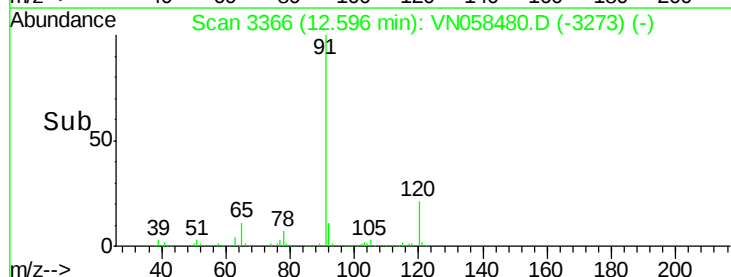
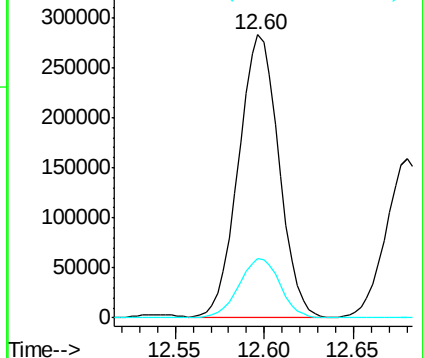
91 100

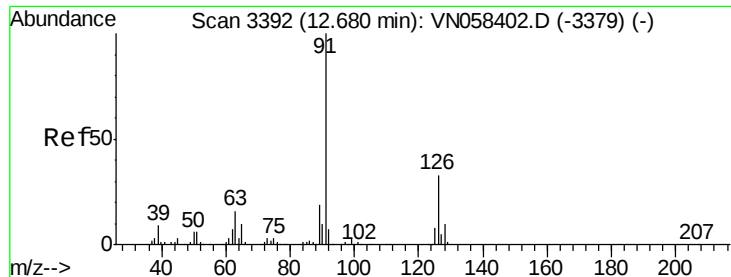
120 21.4 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.863 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

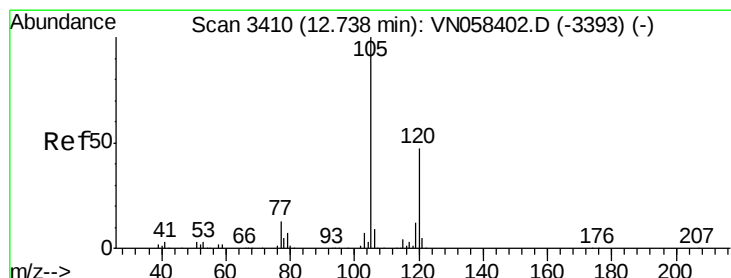
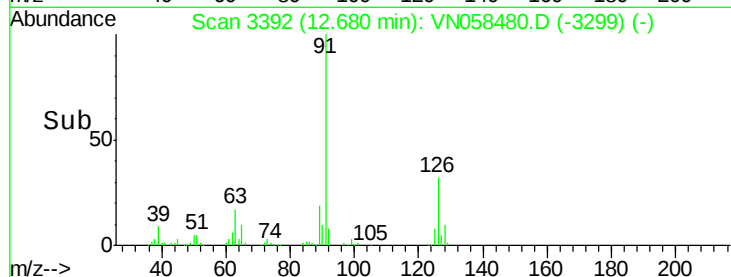
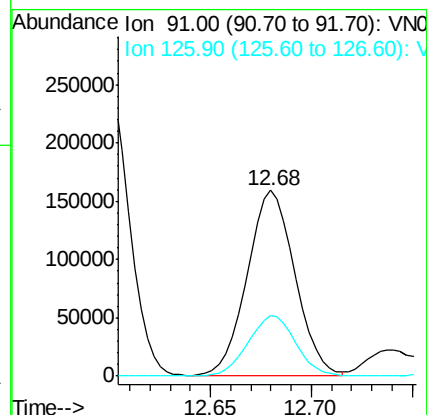
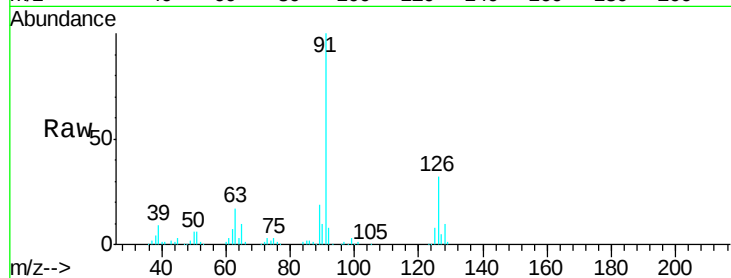
VN1002WBSD01

Tgt Ion: 91 Resp: 262037

Ion Ratio Lower Upper

91 100

126 33.0 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 21.941 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058480.D

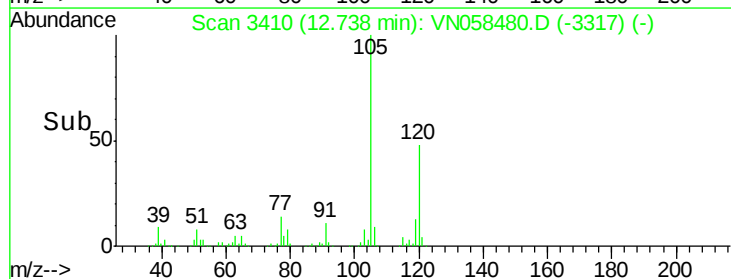
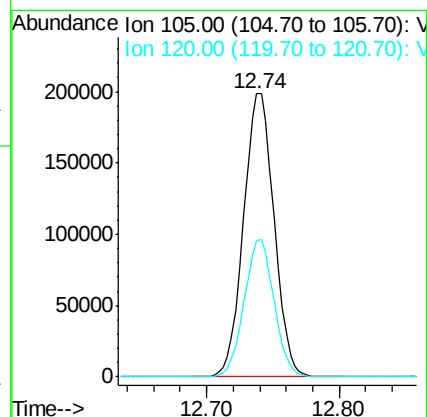
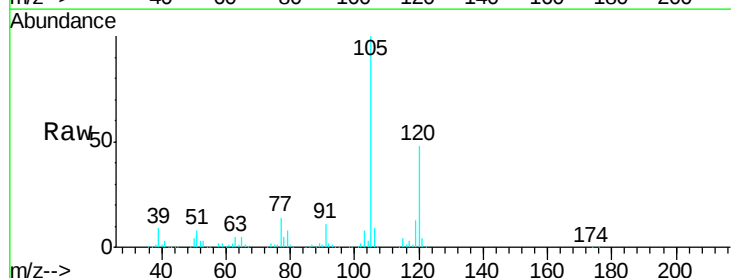
Acq: 2 Oct 2019 17:23

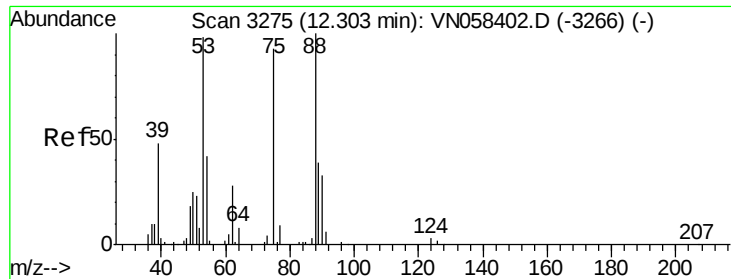
Tgt Ion: 105 Resp: 316570

Ion Ratio Lower Upper

105 100

120 47.6 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.108 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

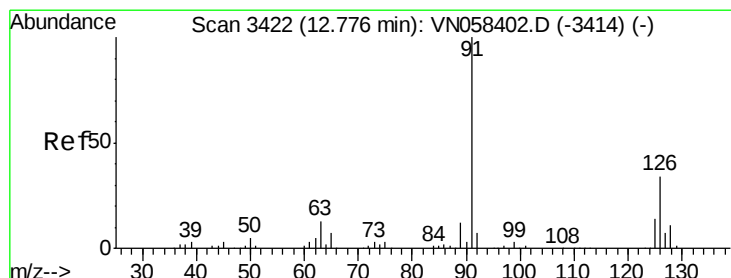
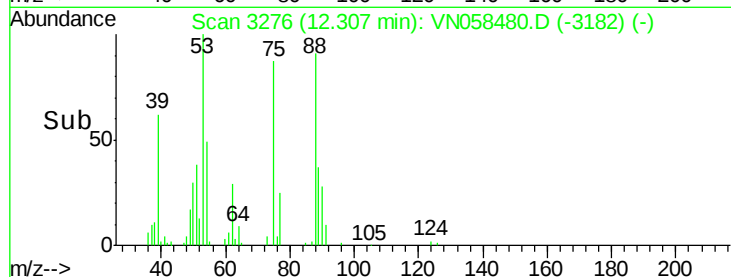
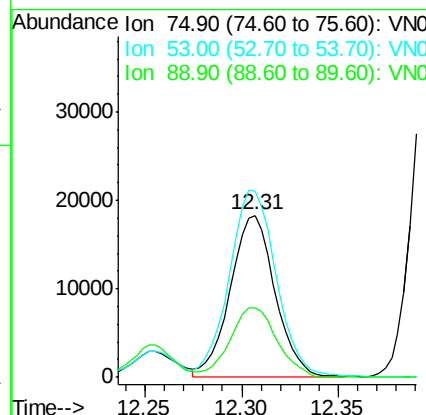
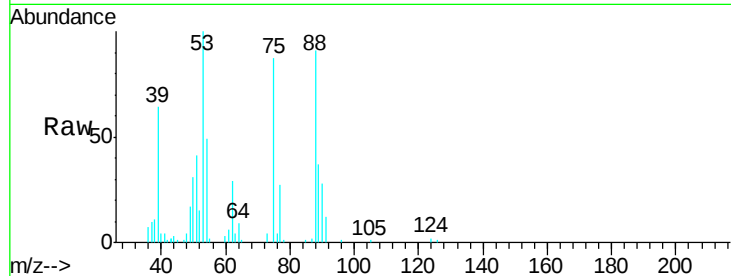
Tgt Ion: 75 Resp: 29606

Ion Ratio Lower Upper

75 100

53 121.6 85.4 128.0

89 45.3 35.0 52.4



#82

4-Chlorotoluene

Concen: 21.620 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058480.D

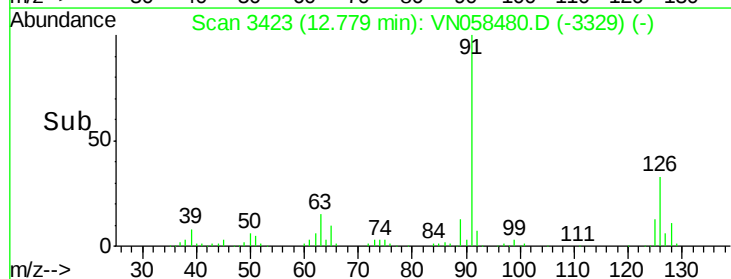
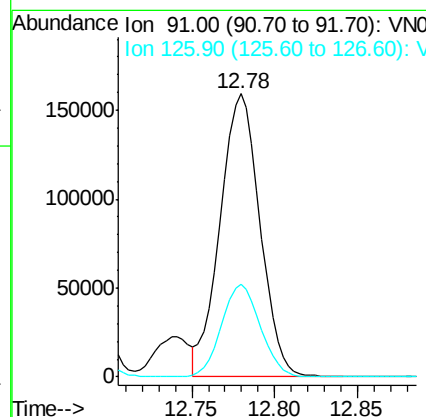
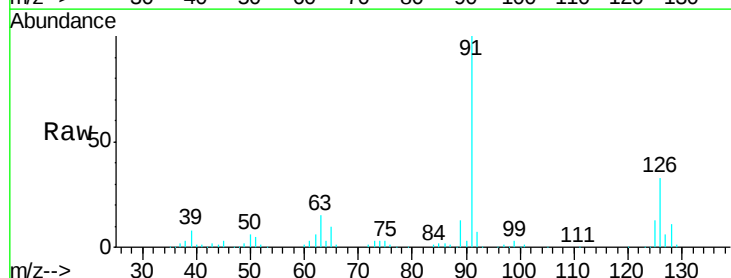
Acq: 2 Oct 2019 17:23

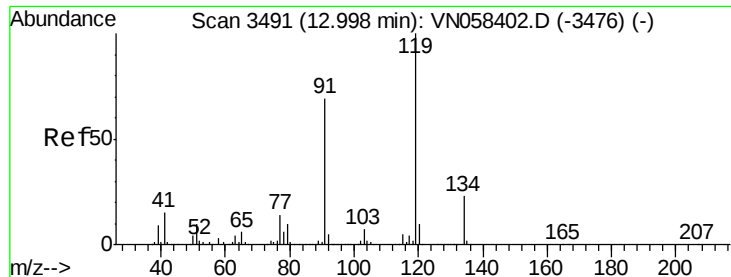
Tgt Ion: 91 Resp: 264416

Ion Ratio Lower Upper

91 100

126 32.1 15.9 47.7

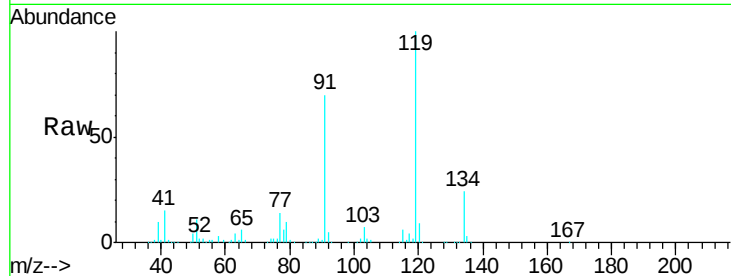




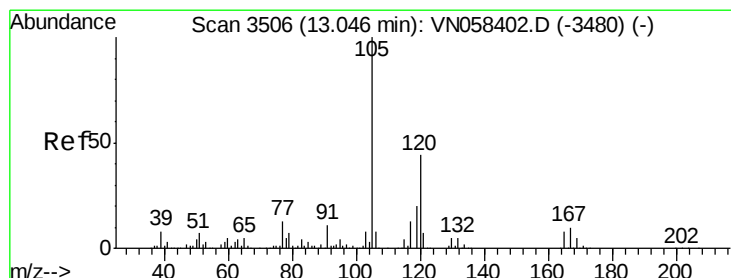
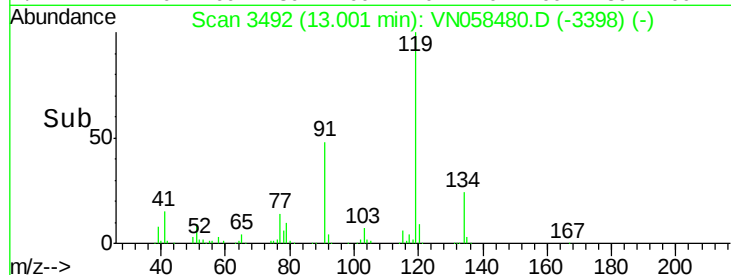
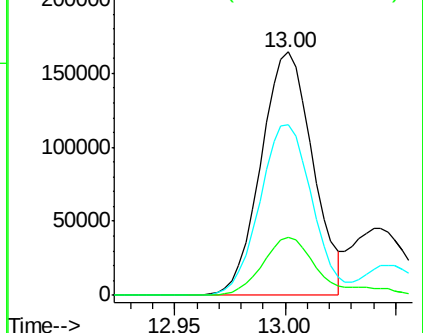
#83
tert-Butylbenzene
Concen: 21.932 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tgt Ion:119 Resp: 267014
Ion Ratio Lower Upper
119 100
91 71.6 34.2 102.6
134 26.5 11.6 34.8

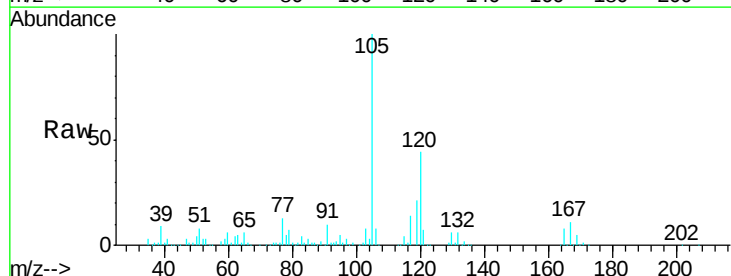


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

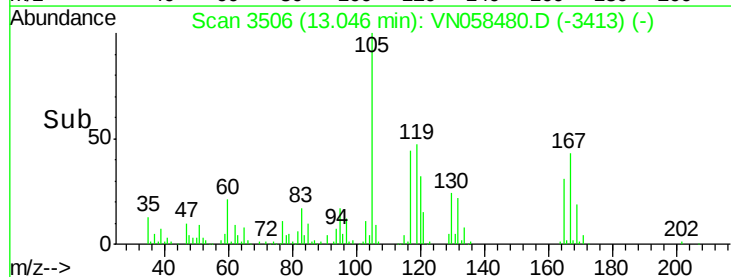
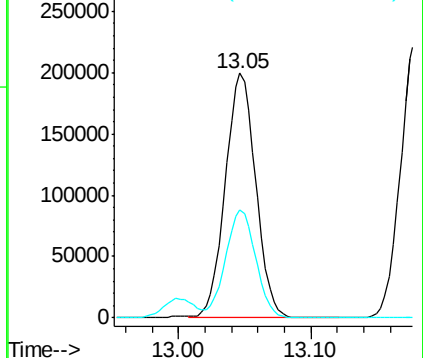


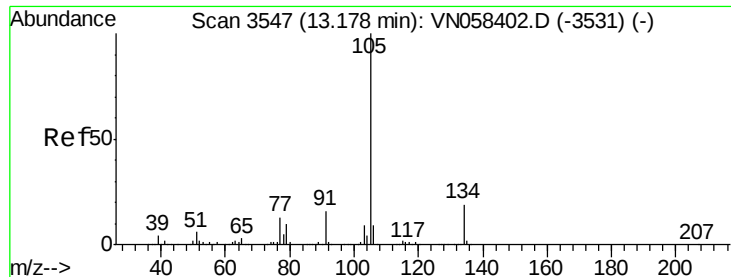
#84
1,2,4-Trimethylbenzene
Concen: 21.952 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion:105 Resp: 317333
Ion Ratio Lower Upper
105 100
120 44.0 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.882 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

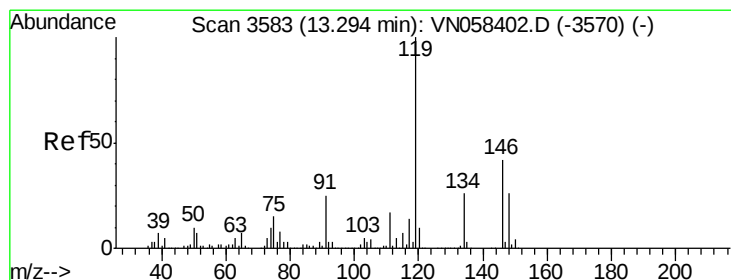
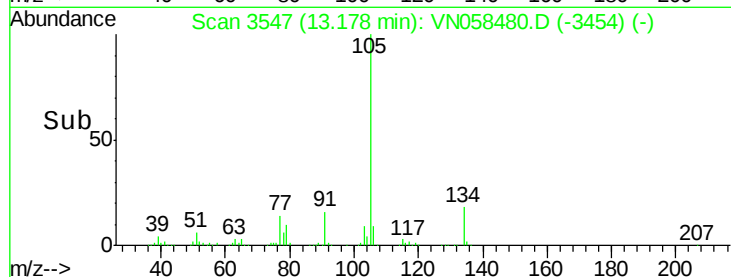
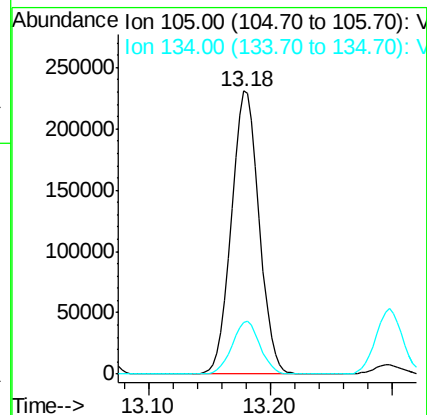
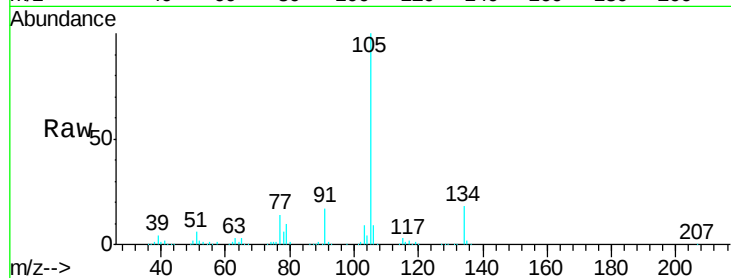
VN1002WBSD01

Tgt Ion:105 Resp: 366675

Ion Ratio Lower Upper

105 100

134 18.7 9.4 28.2



#86

p-Isopropyltoluene

Concen: 22.796 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

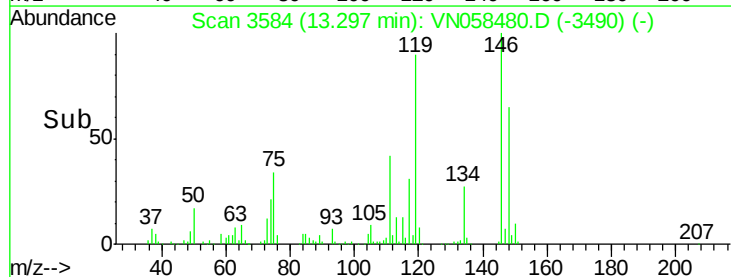
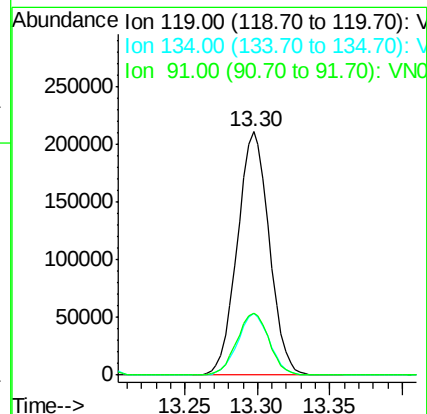
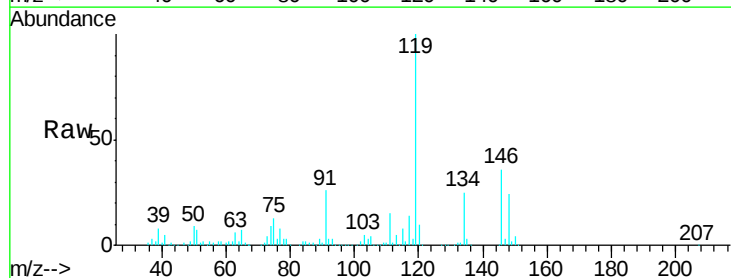
Tgt Ion:119 Resp: 321551

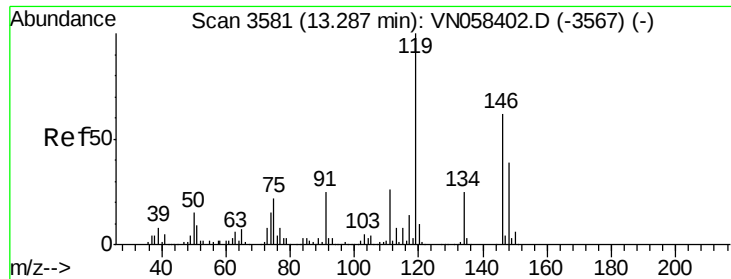
Ion Ratio Lower Upper

119 100

134 25.1 13.0 39.0

91 25.7 12.4 37.0

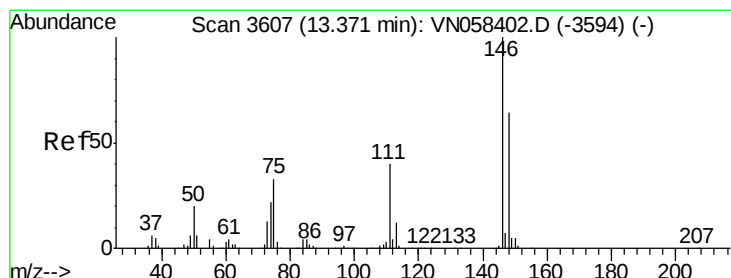
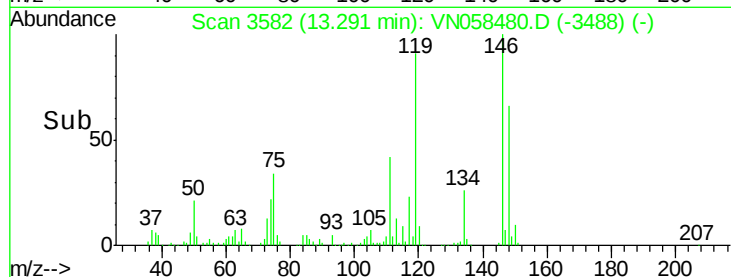
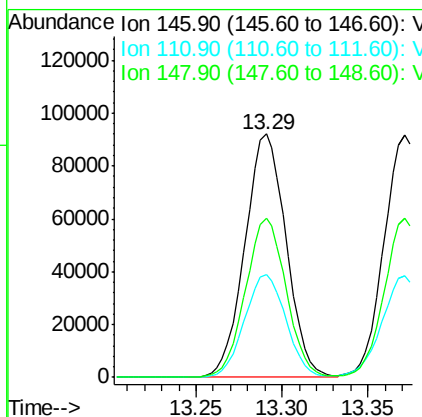
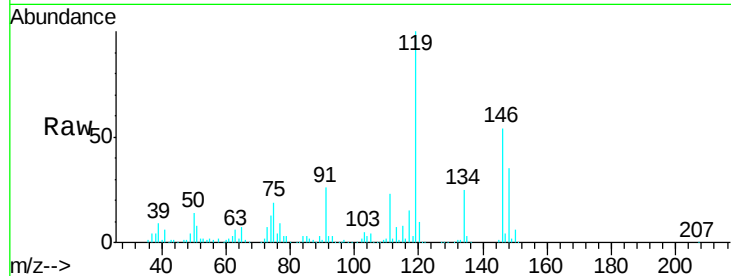




#87
 1,3-Dichlorobenzene
 Concen: 20.884 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

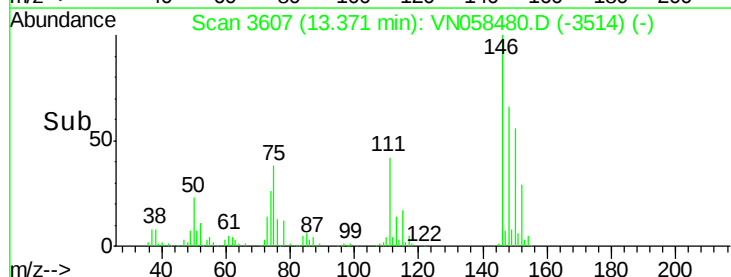
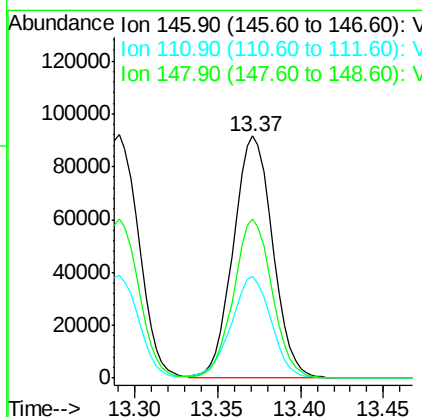
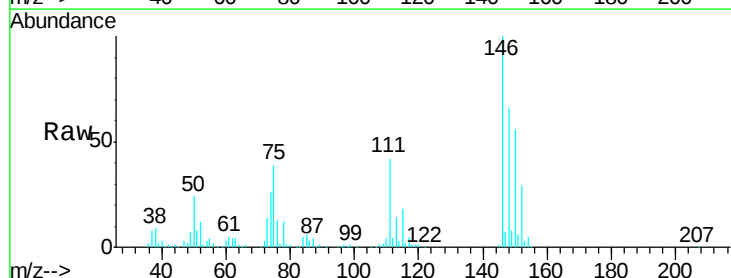
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

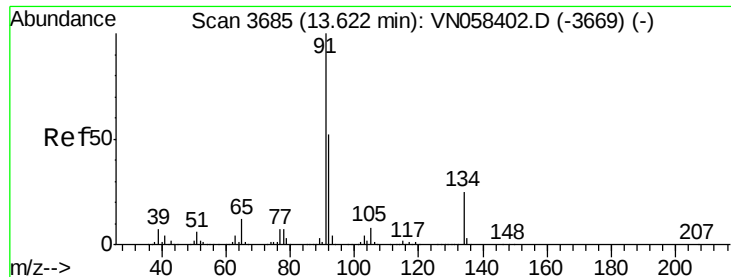
Tgt Ion:146 Resp: 153041
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.8 62.4
 148 64.5 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 20.653 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion:146 Resp: 150580
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.5 61.6
 148 64.9 31.5 94.5





#89

n-Butylbenzene

Concen: 22.304 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

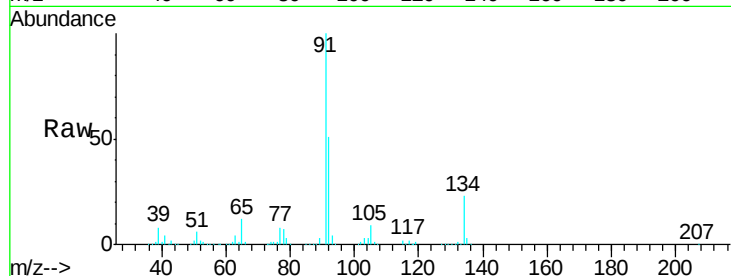
Tgt Ion: 91 Resp: 284981

Ion Ratio Lower Upper

91 100

92 50.3 25.7 77.1

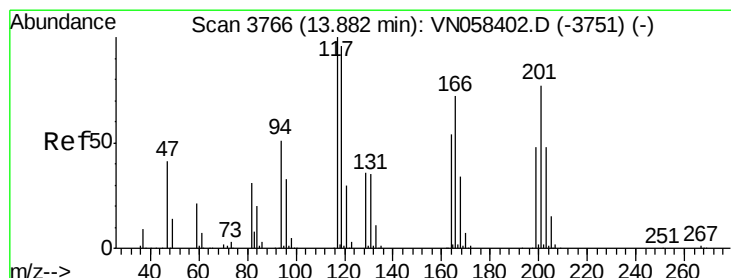
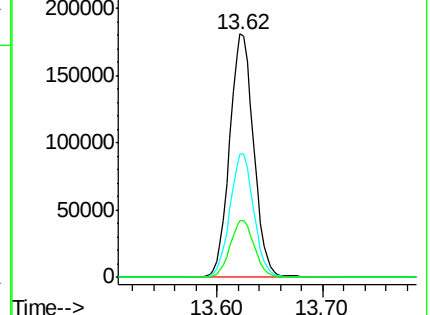
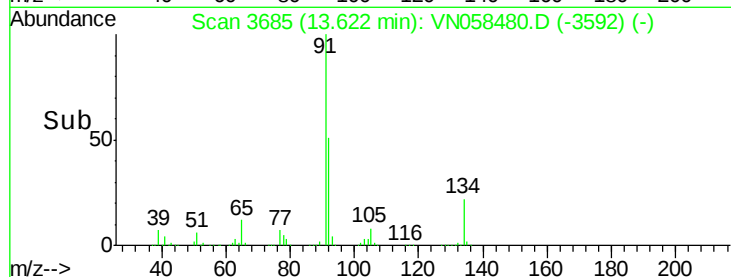
134 23.4 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN058480.D (-3673) (-)

Ion 92.00 (91.70 to 92.70): VN058480.D (-3673) (-)

Ion 134.00 (133.70 to 134.70): VN058480.D (-3673) (-)



#90

Hexachloroethane

Concen: 24.311 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058480.D

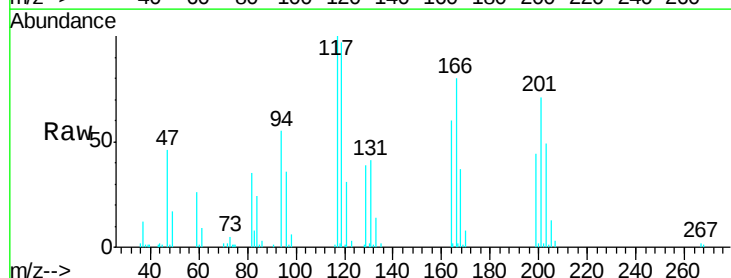
Acq: 2 Oct 2019 17:23

Tgt Ion: 117 Resp: 51523

Ion Ratio Lower Upper

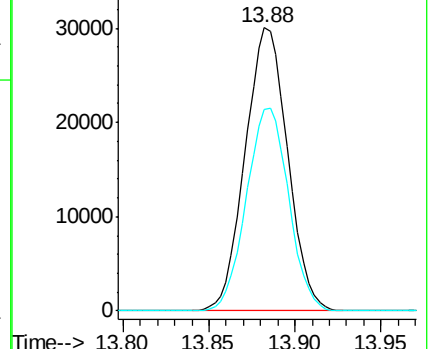
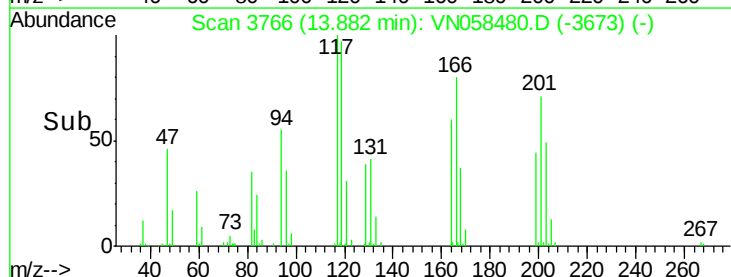
117 100

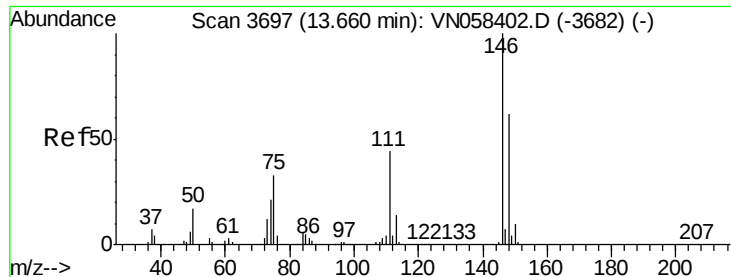
201 71.0 38.6 116.0



Abundance Ion 116.80 (116.50 to 117.50): VN058480.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN058480.D (-3673) (-)





#91

1,2-Dichlorobenzene

Concen: 21.852 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

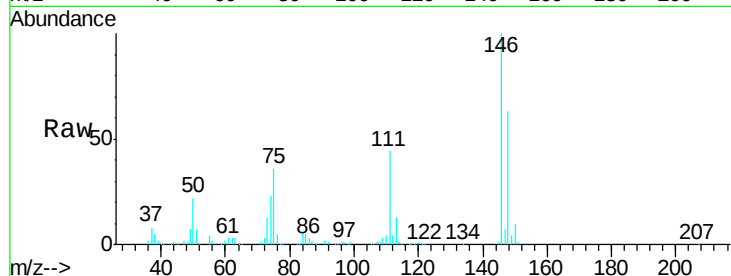
Tgt Ion:146 Resp: 153866

Ion Ratio Lower Upper

146 100

111 43.7 21.8 65.3

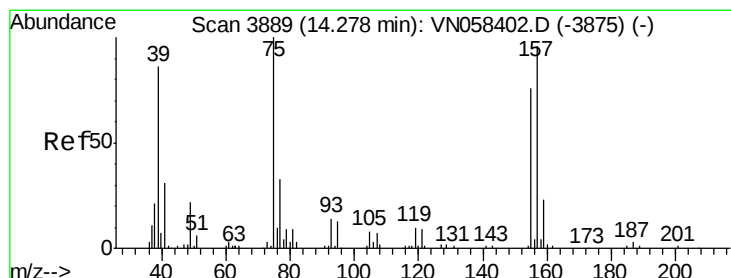
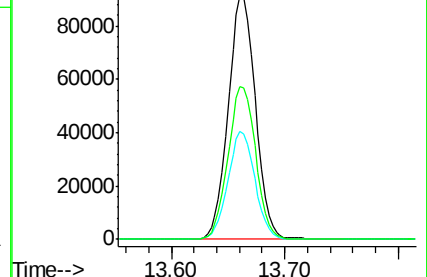
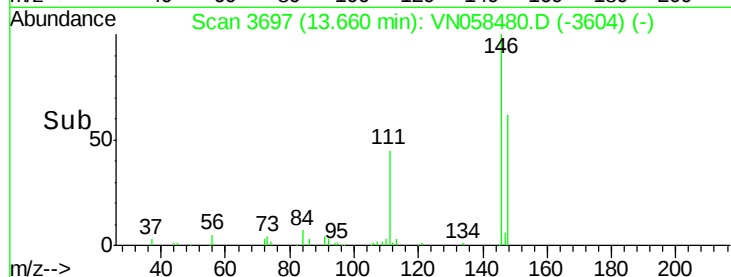
148 63.6 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 24.061 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

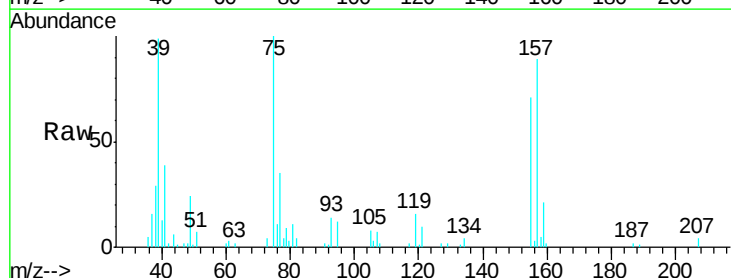
Tgt Ion: 75 Resp: 21625

Ion Ratio Lower Upper

75 100

155 73.2 39.2 117.6

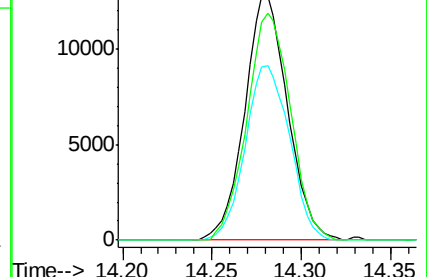
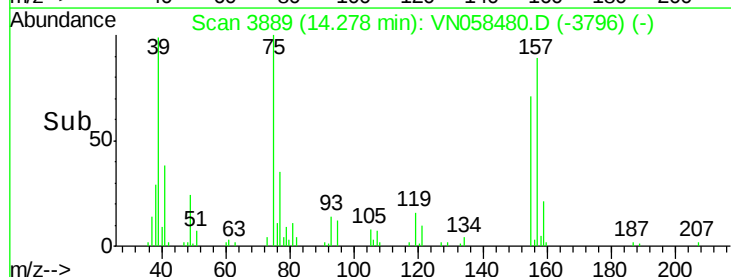
157 94.5 48.7 146.1

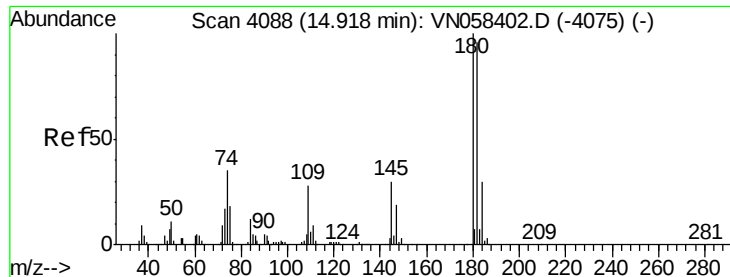


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

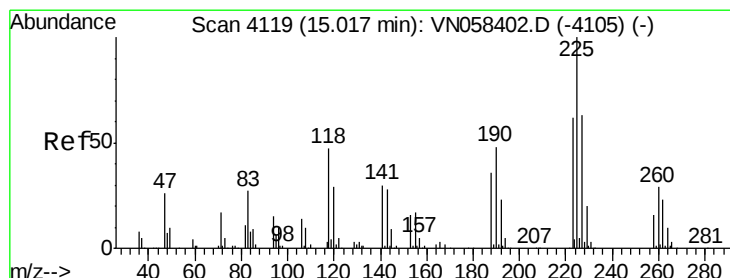
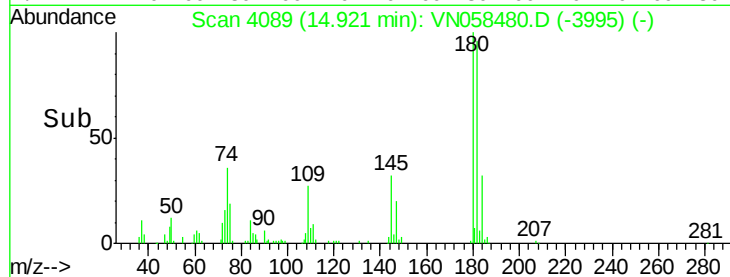
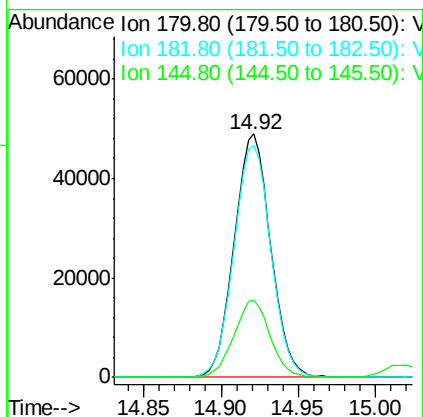
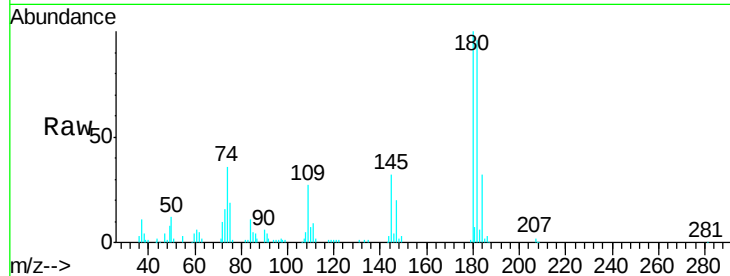




#93
 1,2,4-Trichlorobenzene
 Concen: 20.543 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

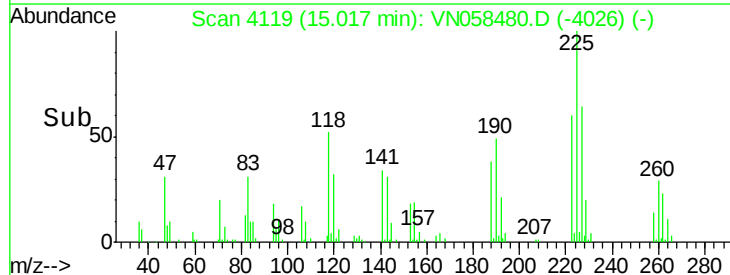
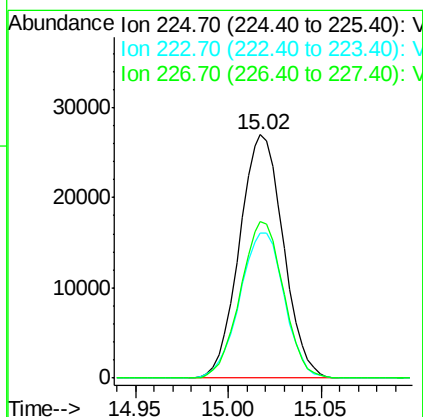
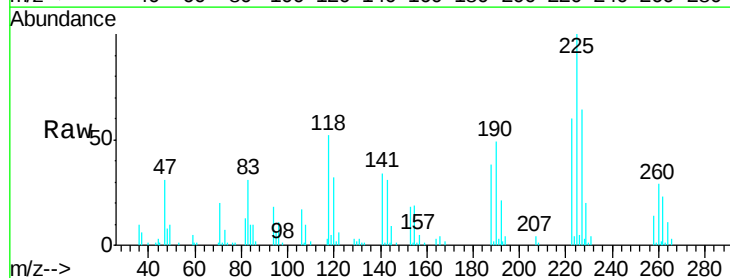
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

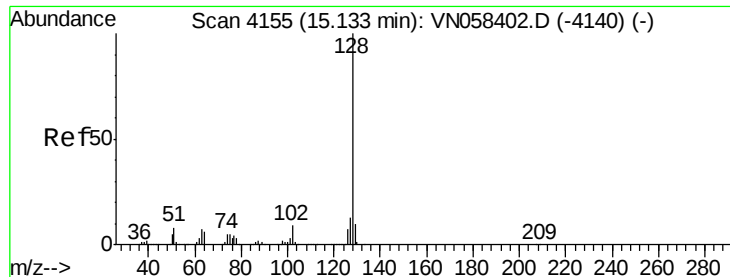
Tgt Ion:180 Resp: 79932
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.4 142.3
 145 31.5 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 22.191 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion:225 Resp: 44380
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.1 93.5
 227 63.2 31.4 94.2

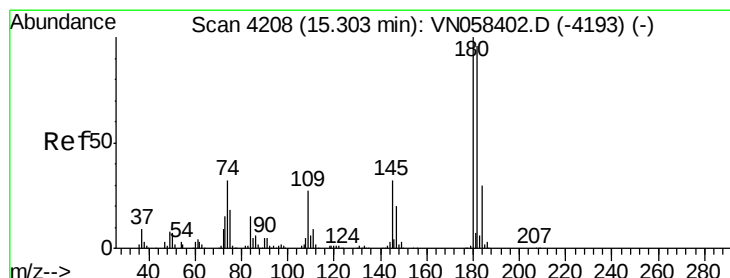
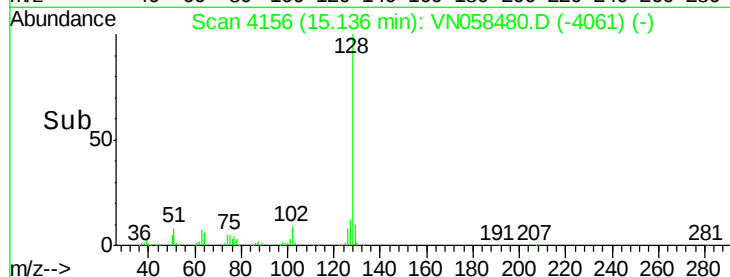
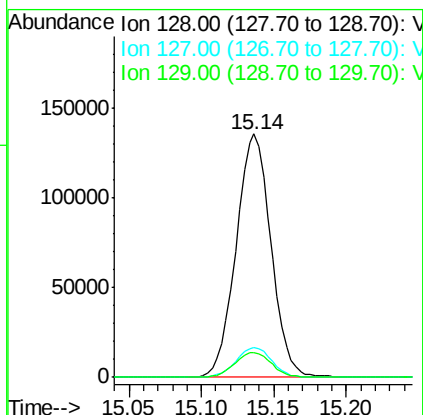
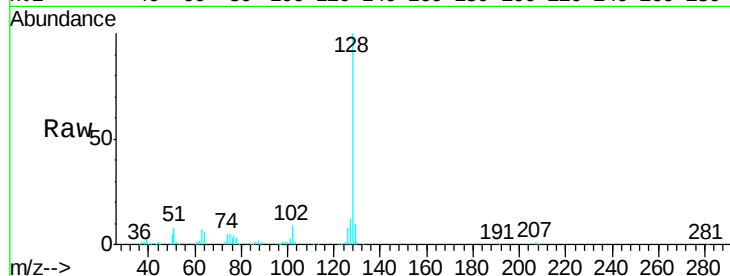




#95
Naphthalene
Concen: 19.853 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tgt Ion:128 Resp: 226418
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.8 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 20.654 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion:180 Resp: 80628
Ion Ratio Lower Upper
180 100
182 94.8 48.3 144.9
145 32.4 16.1 48.3

