

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110419\
 Data File : VN059079.D
 Acq On : 4 Nov 2019 12:18
 Operator : JC/SP
 Sample : VN1104WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

Quant Time: Nov 05 01:18:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	502270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	782773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	695666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	313237	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	313447	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
35) Dibromofluoromethane	7.57	113	236015	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
50) Toluene-d8	10.08	98	936912	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
62) 4-Bromofluorobenzene	12.40	95	319038	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	100152	18.442	ug/l 99
3) Chloromethane	2.04	50	130830	17.767	ug/l 100
4) Vinyl Chloride	2.17	62	131363	18.379	ug/l 97
5) Bromomethane	2.54	94	74618	17.658	ug/l 100
6) Chloroethane	2.68	64	78833	18.009	ug/l 99
7) Trichlorofluoromethane	3.00	101	157799	18.579	ug/l 100
8) Diethyl Ether	3.39	74	59922	18.066	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	93573	18.692	ug/l 99
10) Methyl Iodide	3.93	142	107488	17.665	ug/l 98
11) Tert butyl alcohol	4.75	59	107892	87.637	ug/l 100
12) 1,1-Dichloroethene	3.71	96	90854	18.249	ug/l 99
13) Acrolein	3.58	56	66362	85.426	ug/l 99
14) Allyl chloride	4.30	41	178568	18.100	ug/l 99
15) Acrylonitrile	4.95	53	281343	91.099	ug/l 100
16) Acetone	3.79	43	324579	96.382	ug/l 99
17) Carbon Disulfide	4.03	76	270611	17.097	ug/l 99
18) Methyl Acetate	4.30	43	143587	16.830	ug/l 100
19) Methyl tert-butyl Ether	5.01	73	307050	18.108	ug/l 98
20) Methylene Chloride	4.52	84	105767	17.941	ug/l 99
21) trans-1,2-Dichloroethene	5.01	96	97480	18.238	ug/l 99
22) Diisopropyl ether	5.92	45	356320	18.962	ug/l 98
23) Vinyl Acetate	5.87	43	1459234	97.498	ug/l 100
24) 1,1-Dichloroethane	5.82	63	197470	18.381	ug/l 100
25) 2-Butanone	6.81	43	412540	91.999	ug/l 99
26) 2,2-Dichloropropane	6.80	77	167950	18.011	ug/l 100
27) cis-1,2-Dichloroethene	6.81	96	111469	18.522	ug/l 99
28) Bromochloromethane	7.17	49	63201	19.061	ug/l 100
29) Tetrahydrofuran	7.19	42	262278	92.679	ug/l 99
30) Chloroform	7.35	83	186702	18.173	ug/l 98
31) Cyclohexane	7.63	56	186298	18.180	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	162137	18.654	ug/l 99
36) 1,1-Dichloropropene	7.77	75	143144	18.399	ug/l 99
37) Ethyl Acetate	6.90	43	161167	18.645	ug/l 99
38) Carbon Tetrachloride	7.75	117	142180	18.752	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	165444	18.398	ug/l	96
40) Benzene	8.02	78	433345	18.769	ug/l	100
41) Methacrylonitrile	7.15	41	63183	16.904	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	151306	18.870	ug/l	100
43) Isopropyl Acetate	8.14	43	244467	18.085	ug/l	97
44) Trichloroethene	8.82	130	106055	18.669	ug/l	99
45) 1,2-Dichloropropane	9.10	63	118381	18.959	ug/l	98
46) Dibromomethane	9.19	93	72429	18.768	ug/l	98
47) Bromodichloromethane	9.39	83	145011	18.554	ug/l	100
48) Methyl methacrylate	9.18	41	110258	17.888	ug/l	99
49) 1,4-Dioxane	9.18	88	39254	390.421	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	782166	99.604	ug/l	97
52) Toluene	10.15	92	260183	19.232	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	161668	17.889	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	180115	18.895	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	102766	18.648	ug/l	98
56) Ethyl methacrylate	10.42	69	152794	17.588	ug/l	98
57) 1,3-Dichloropropane	10.70	76	179189	18.697	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	317095	94.858	ug/l	99
59) 2-Hexanone	10.75	43	584881	98.040	ug/l	98
60) Dibromochloromethane	10.90	129	108169	18.213	ug/l	99
61) 1,2-Dibromoethane	11.00	107	105658	18.925	ug/l	99
64) Tetrachloroethene	10.63	164	94253	19.395	ug/l	98
65) Chlorobenzene	11.43	112	270687	18.958	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	100715	19.173	ug/l	99
67) Ethyl Benzene	11.51	91	483718	19.571	ug/l	100
68) m/p-Xylenes	11.62	106	362872	39.317	ug/l	98
69) o-Xylene	11.95	106	170301	19.323	ug/l	100
70) Styrene	11.96	104	271275	18.994	ug/l	99
71) Bromoform	12.13	173	75946	18.678	ug/l #	100
73) Isopropylbenzene	12.25	105	464894	20.174	ug/l	100
74) N-amyl acetate	12.07	43	192563	18.785	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	156847	19.107	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	205977	27.788	ug/l #	100
77) Bromobenzene	12.53	156	111464	19.345	ug/l	98
78) n-propylbenzene	12.59	91	543646	20.369	ug/l	100
79) 2-Chlorotoluene	12.68	91	327637	19.770	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	389167	19.871	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	51524	17.819	ug/l	94
82) 4-Chlorotoluene	12.78	91	325391	19.239	ug/l	99
83) tert-Butylbenzene	13.00	119	335462	20.163	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	392481	20.624	ug/l	99
85) sec-Butylbenzene	13.17	105	446470	20.476	ug/l	99
86) p-Isopropyltoluene	13.29	119	398890	20.291	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	194550	19.004	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	192609	19.020	ug/l	99
89) n-Butylbenzene	13.62	91	339053	19.794	ug/l	100
90) Hexachloroethane	13.88	117	72474	18.546	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	194657	19.109	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	31612	17.829	ug/l	99

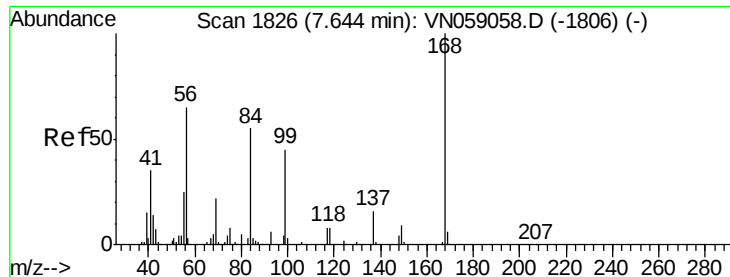
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Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	101210	18.421	ug/l	100
94) Hexachlorobutadiene	15.01	225	64067	19.429	ug/l	99
95) Naphthalene	15.13	128	274589	18.062	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	103505	18.510	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

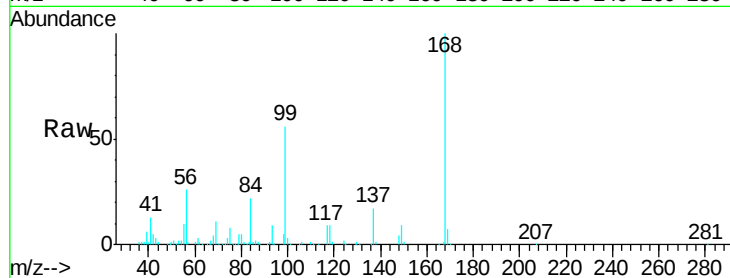
VN1104WBS02

Tgt Ion:168 Resp: 502270

Ion Ratio Lower Upper

168 100

99 55.5 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

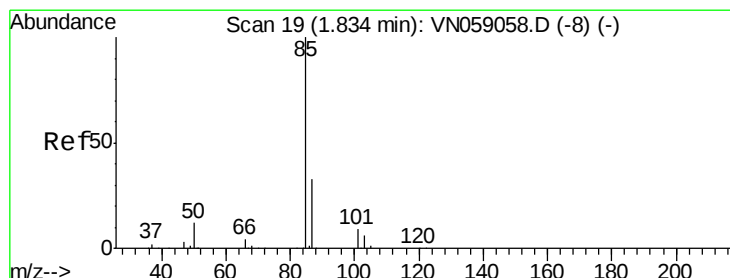
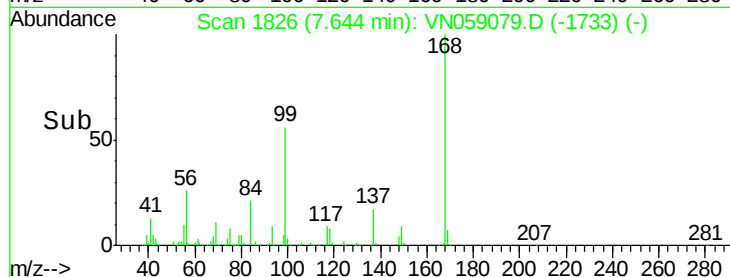
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.442 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059079.D

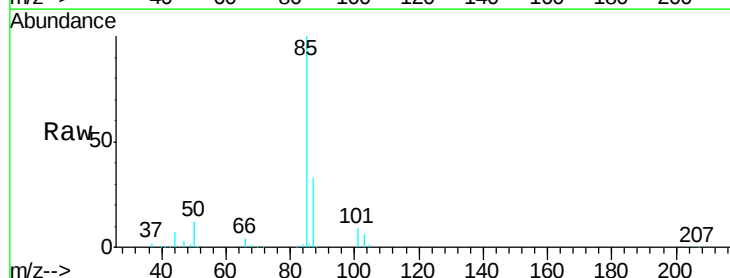
Acq: 4 Nov 2019 12:18

Tgt Ion: 85 Resp: 100152

Ion Ratio Lower Upper

85 100

87 33.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

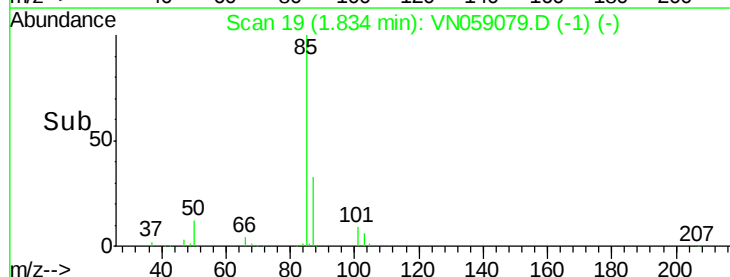
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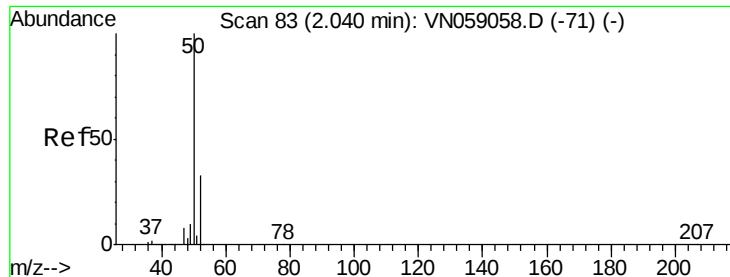
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.767 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

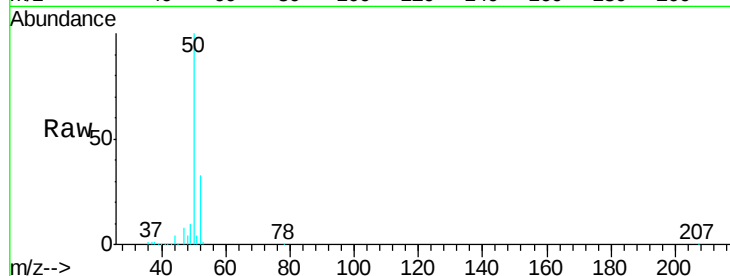
VN1104WBS02

Tgt Ion: 50 Resp: 130830

Ion Ratio Lower Upper

50 100

52 32.6 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN059058.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN059079.D (-30) (-)

2.04

100000

80000

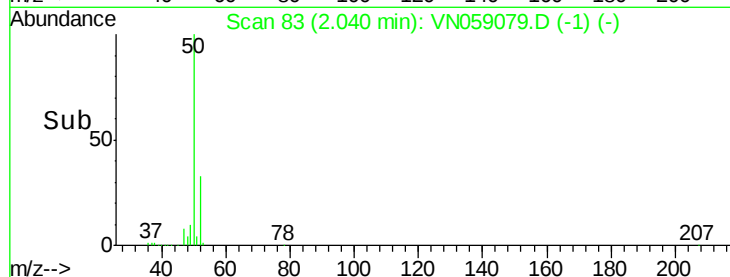
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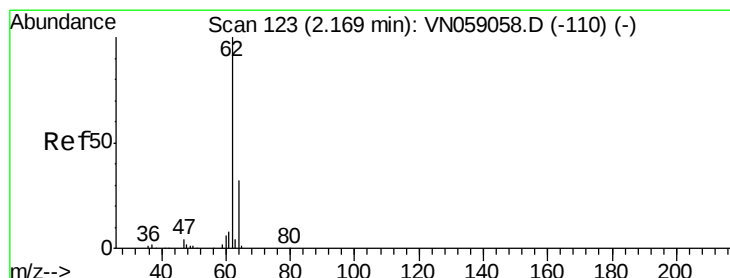
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Time-->



Time-->



#4

Vinyl Chloride

Concen: 18.379 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059079.D

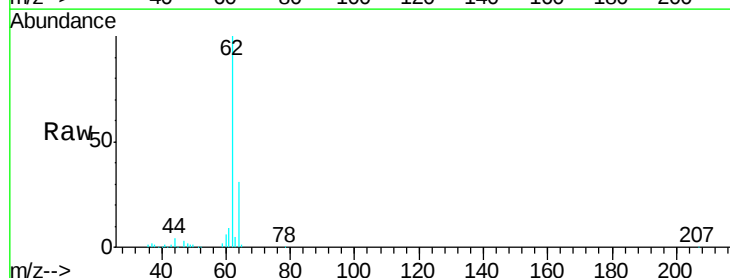
Acq: 4 Nov 2019 12:18

Tgt Ion: 62 Resp: 131363

Ion Ratio Lower Upper

62 100

64 30.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN059058.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN059079.D (-30) (-)

2.17

100000

80000

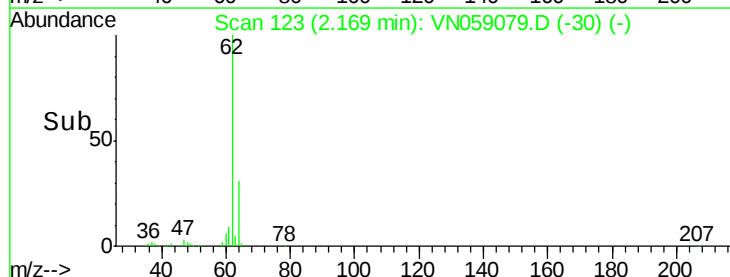
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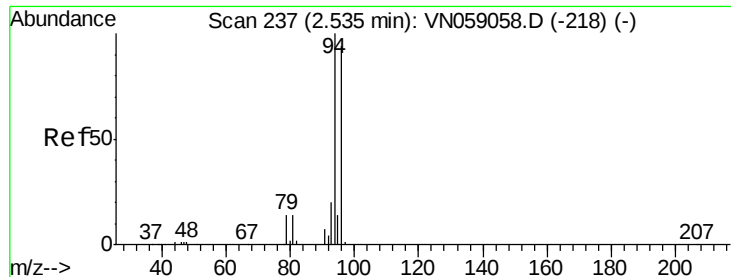
20000

0

Time-->



Time-->



#5

Bromomethane

Concen: 17.658 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

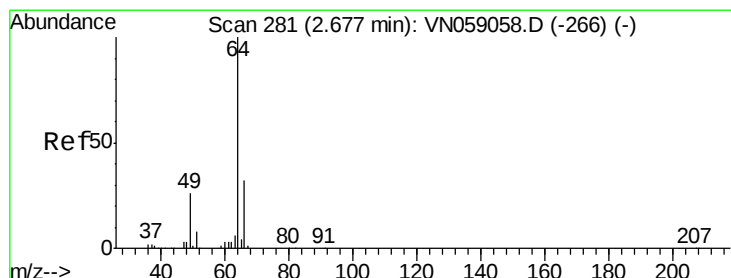
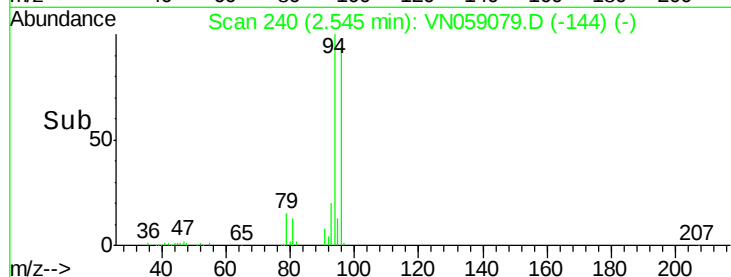
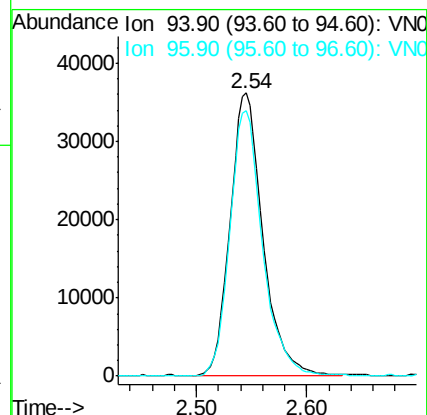
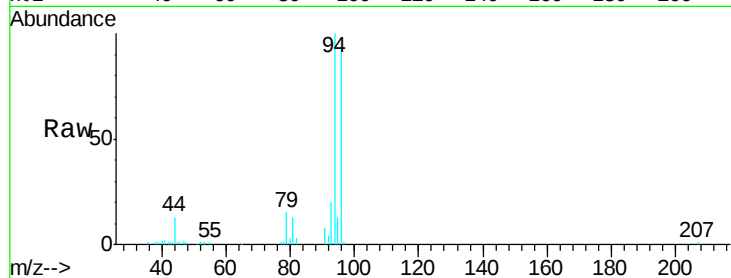
VN1104WBS02

Tgt Ion: 94 Resp: 74618

Ion Ratio Lower Upper

94 100

96 93.6 75.1 112.7



#6

Chloroethane

Concen: 18.009 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059079.D

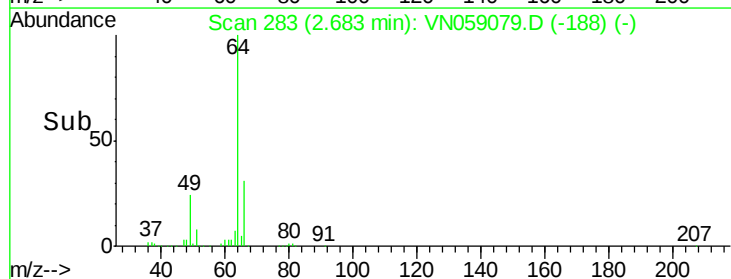
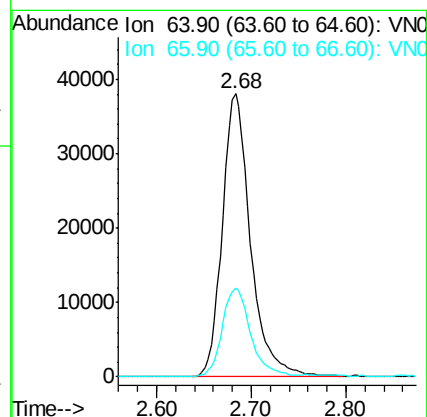
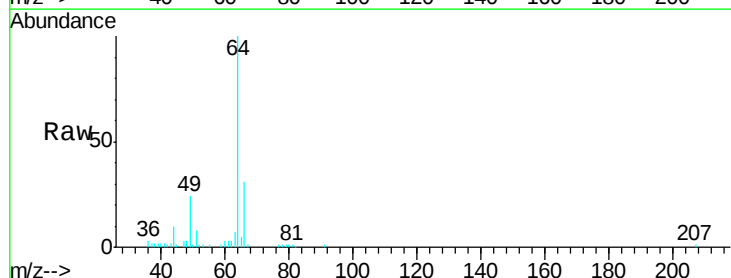
Acq: 4 Nov 2019 12:18

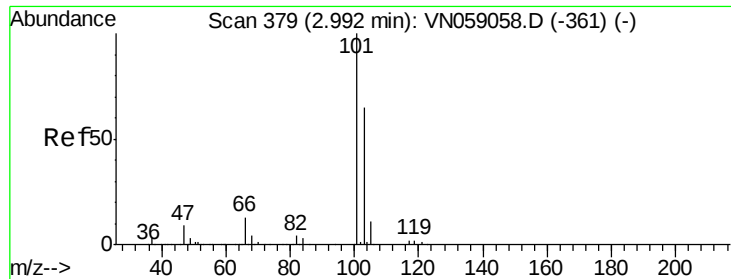
Tgt Ion: 64 Resp: 78833

Ion Ratio Lower Upper

64 100

66 31.2 25.6 38.4



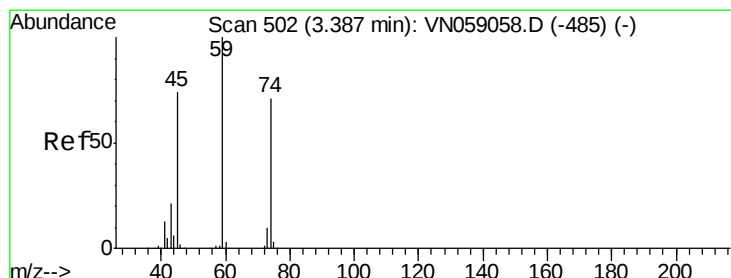
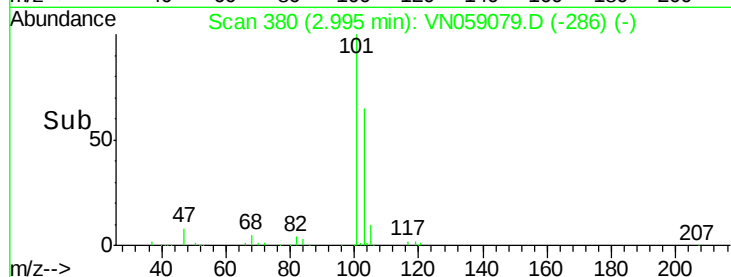
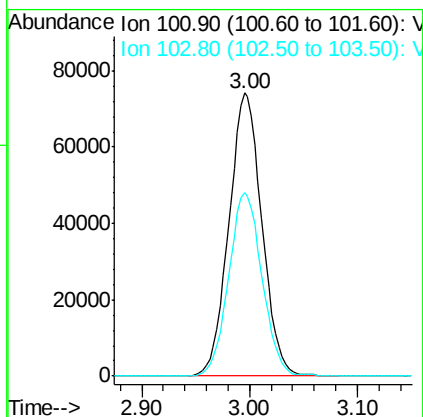
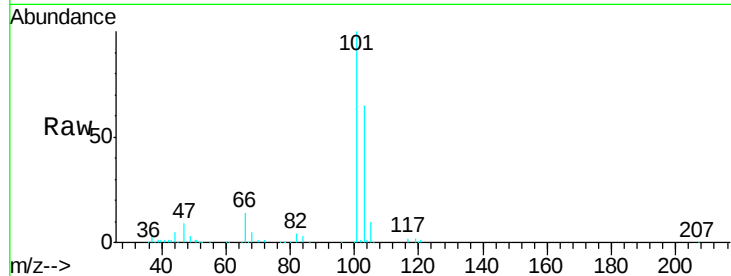


#7

Trichlorofluoromethane
 Concen: 18.579 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059079.D
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 ClientSampleId :
 VN1104WBS02

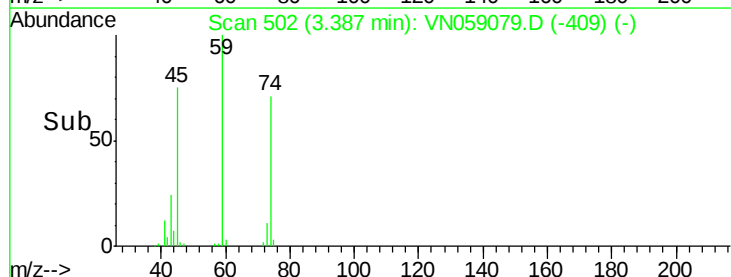
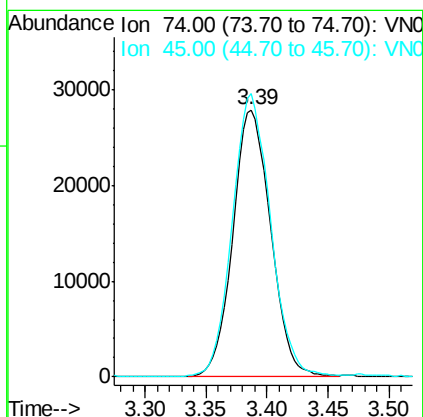
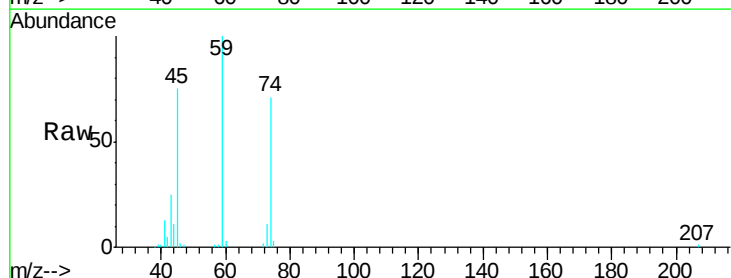
Tgt Ion:101 Resp: 157799
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.7 77.5

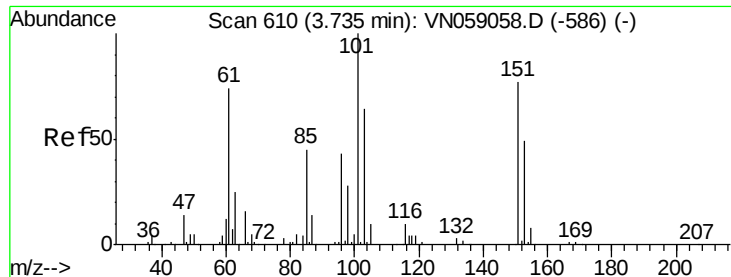


#8

Diethyl Ether
 Concen: 18.066 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion: 74 Resp: 59922
 Ion Ratio Lower Upper
 74 100
 45 107.5 52.8 158.3

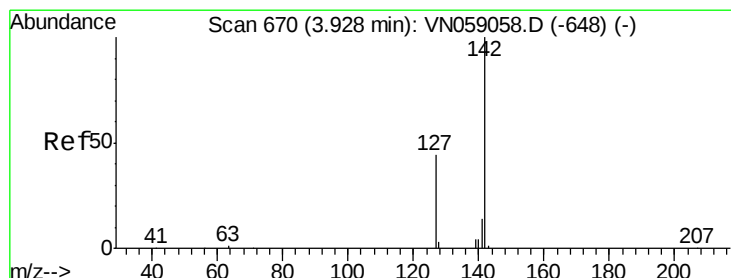
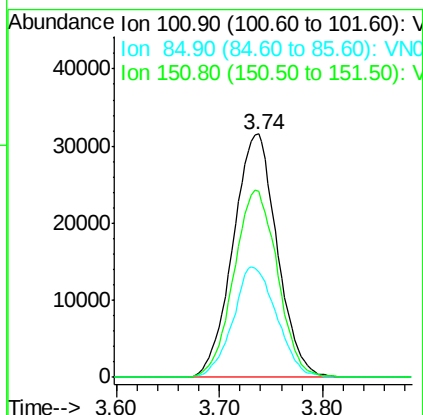
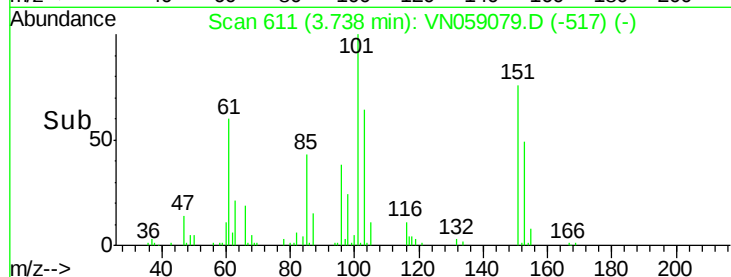
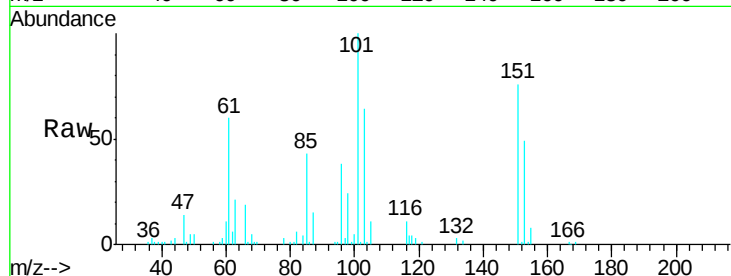




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.692 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

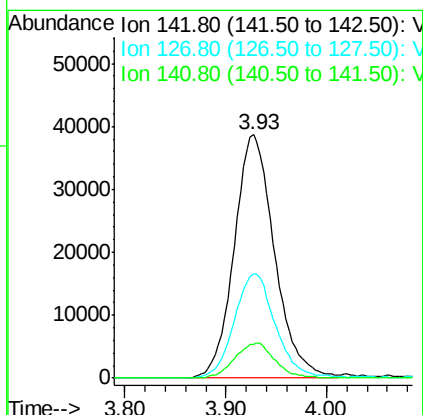
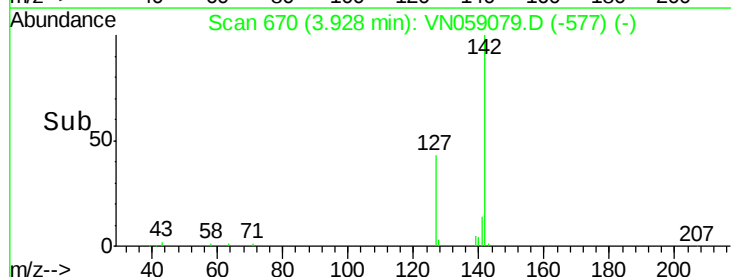
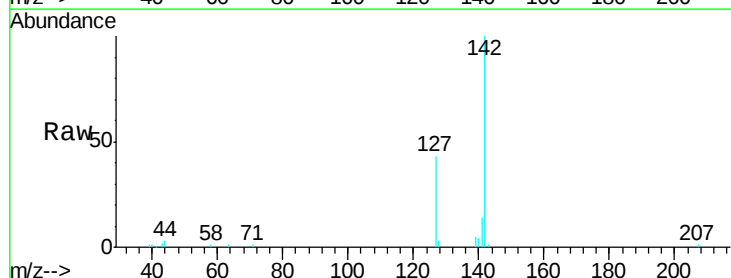
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

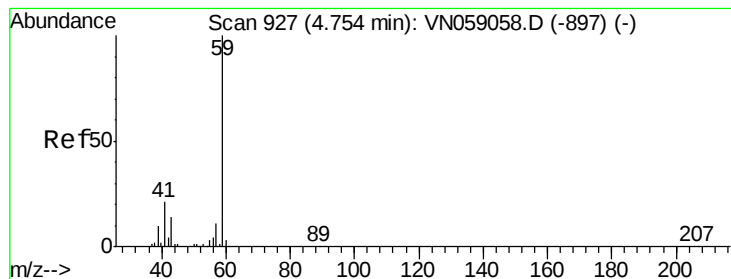
Tgt Ion:101 Resp: 93573
 Ion Ratio Lower Upper
 101 100
 85 45.1 35.0 52.6
 151 76.0 61.3 91.9



#10
 Methyl Iodide
 Concen: 17.665 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion:142 Resp: 107488
 Ion Ratio Lower Upper
 142 100
 127 43.8 34.2 51.2
 141 14.3 11.1 16.7





#11

Tert butyl alcohol

Concen: 87.637 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

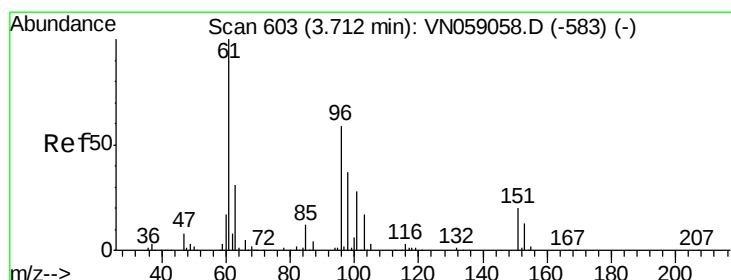
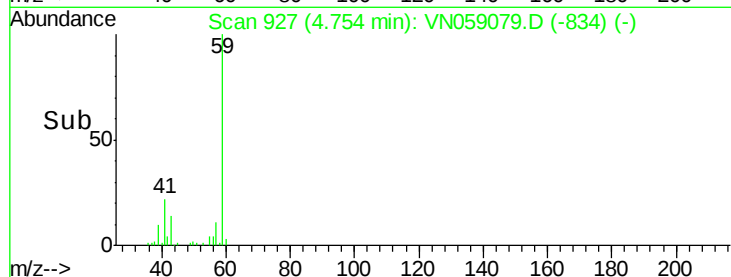
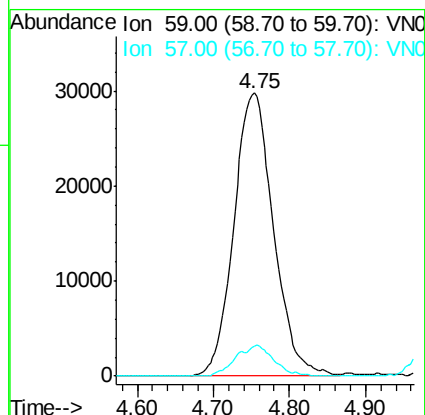
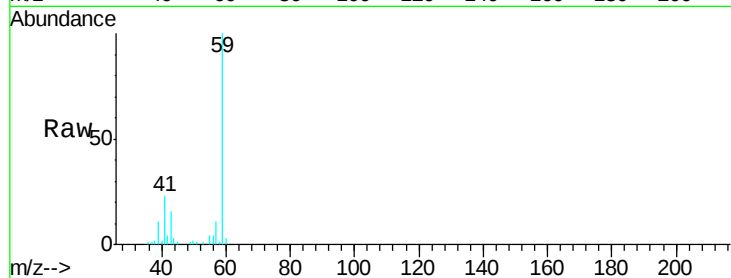
VN1104WBS02

Tgt Ion: 59 Resp: 107892

Ion Ratio Lower Upper

59 100

57 10.5 8.2 12.4



#12

1,1-Dichloroethene

Concen: 18.249 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

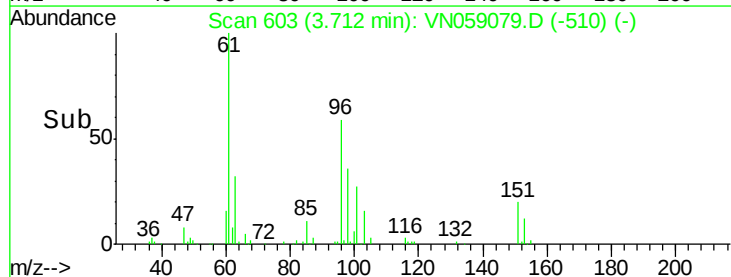
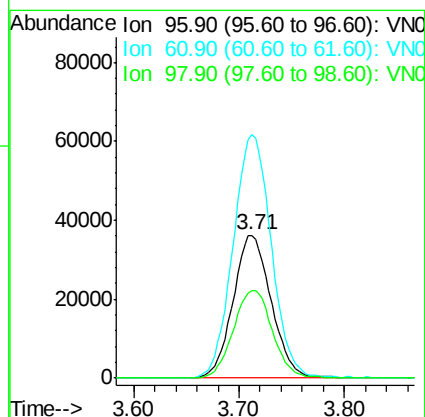
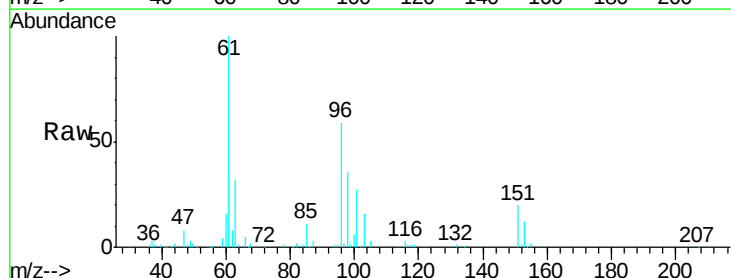
Tgt Ion: 96 Resp: 90854

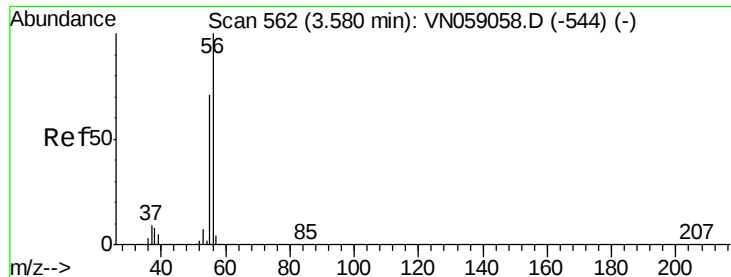
Ion Ratio Lower Upper

96 100

61 170.2 135.3 202.9

98 61.1 49.4 74.2





#13

Acrolein

Concen: 85.426 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

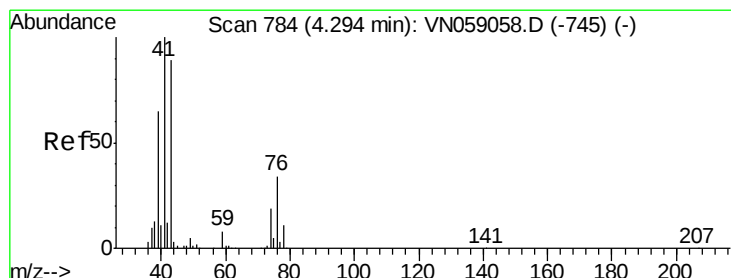
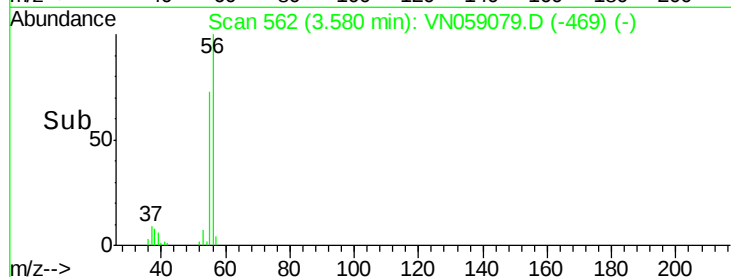
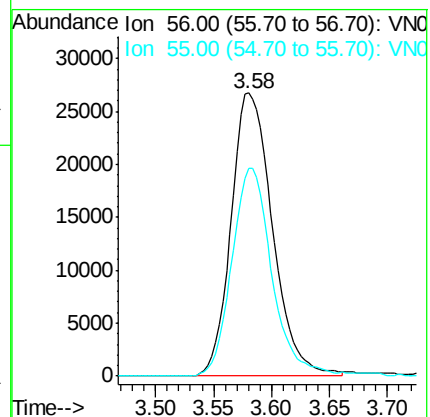
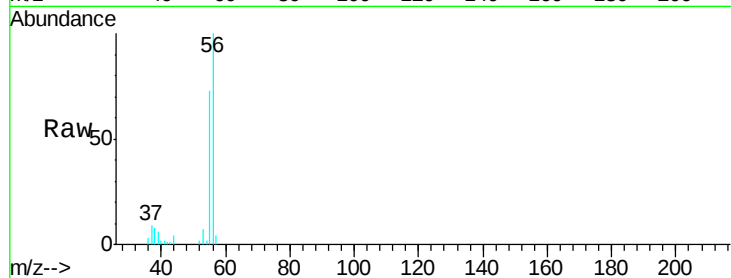
VN1104WBS02

Tgt Ion: 56 Resp: 66362

Ion Ratio Lower Upper

56 100

55 70.8 56.1 84.1



#14

Allyl chloride

Concen: 18.100 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

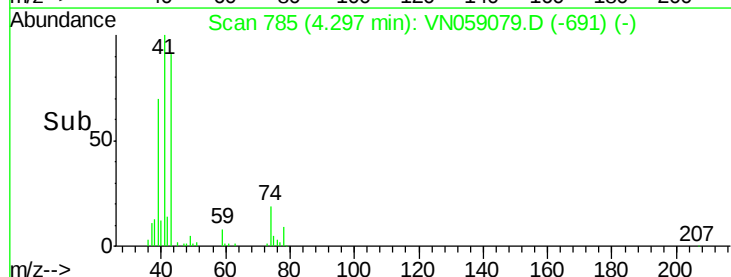
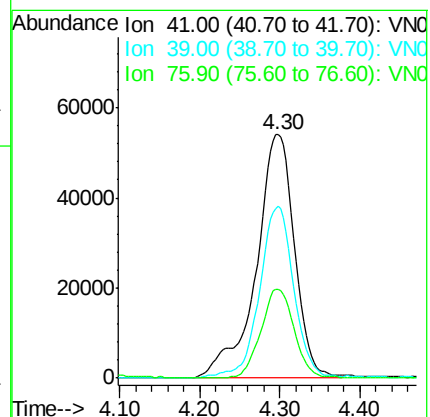
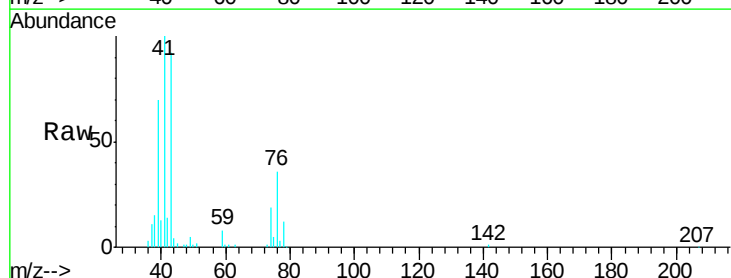
Tgt Ion: 41 Resp: 178568

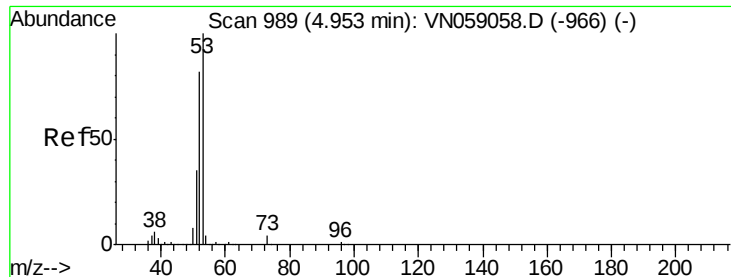
Ion Ratio Lower Upper

41 100

39 62.9 49.4 74.2

76 31.7 24.6 37.0





#15

Acrylonitrile

Concen: 91.099 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

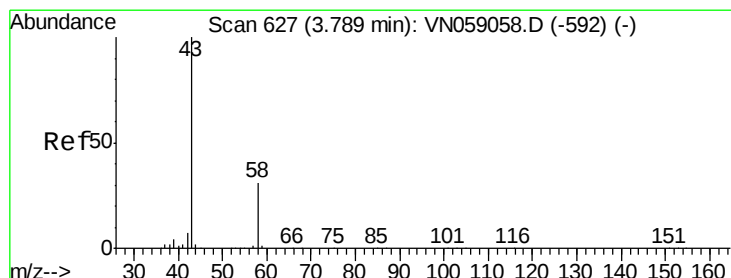
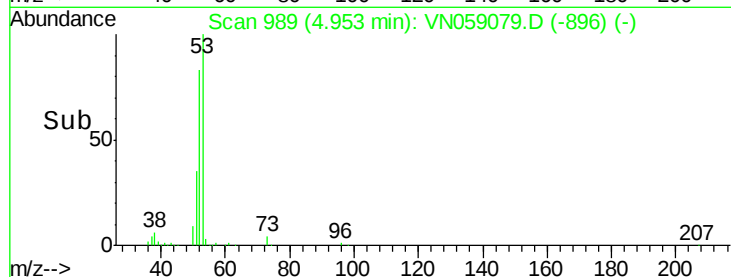
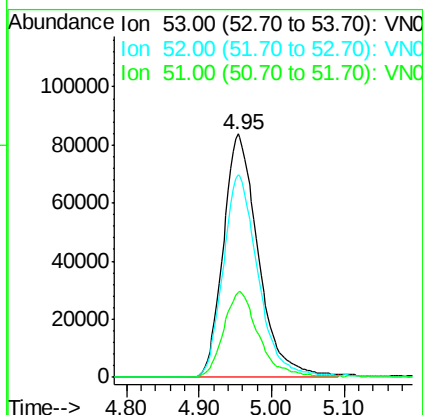
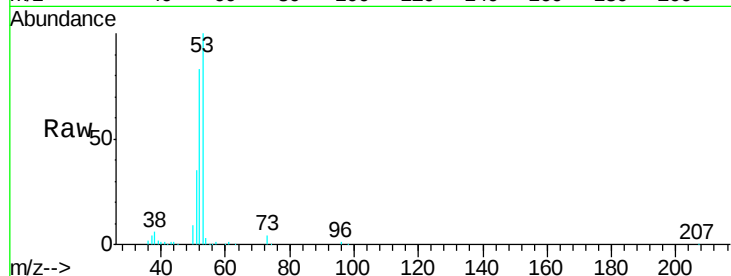
Tgt Ion: 53 Resp: 281343

Ion Ratio Lower Upper

53 100

52 82.8 66.0 99.0

51 35.5 28.3 42.5



#16

Acetone

Concen: 96.382 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059079.D

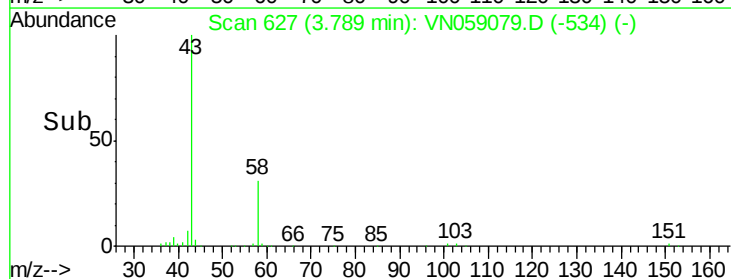
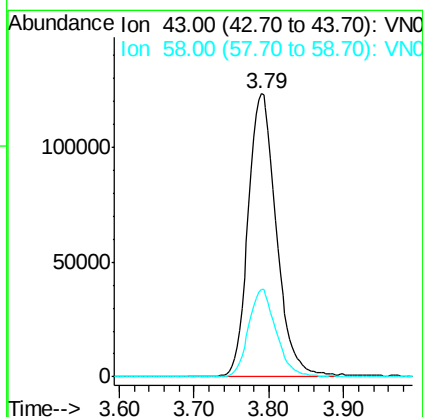
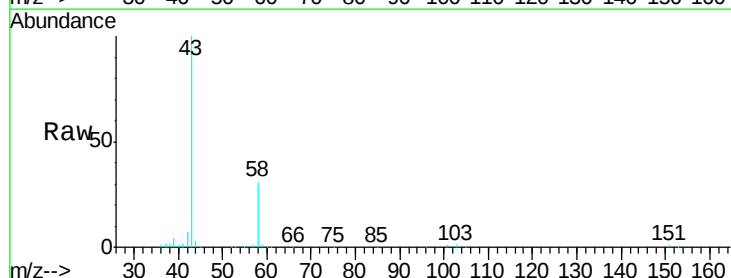
Acq: 4 Nov 2019 12:18

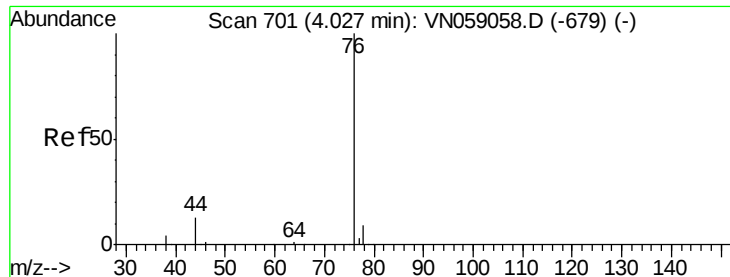
Tgt Ion: 43 Resp: 324579

Ion Ratio Lower Upper

43 100

58 31.0 25.0 37.6

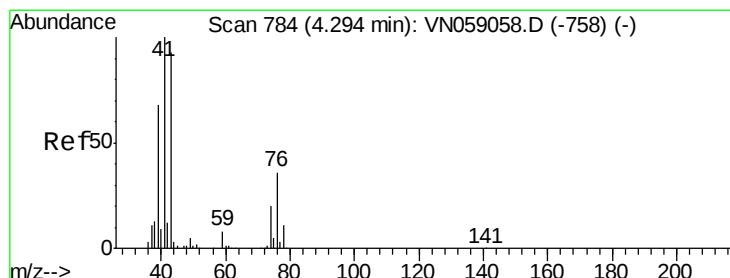
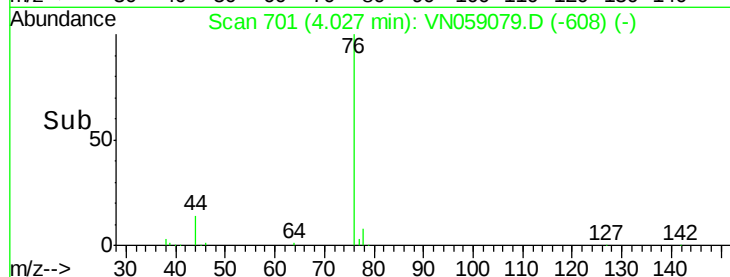
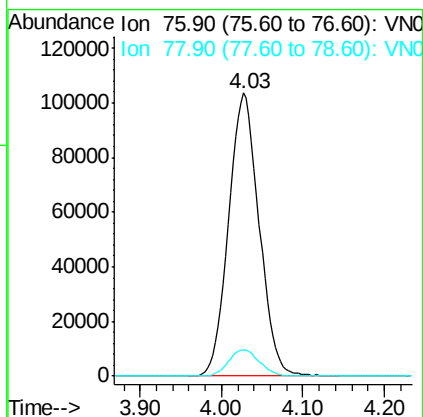
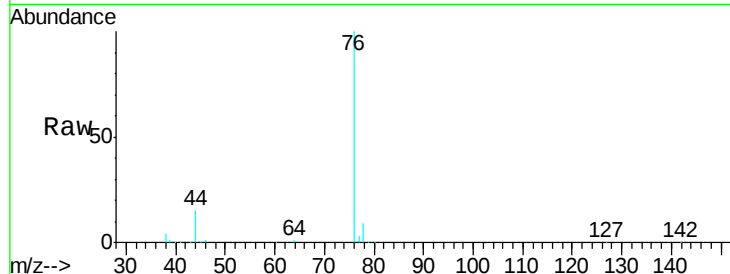




#17
Carbon Disulfide
Concen: 17.097 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

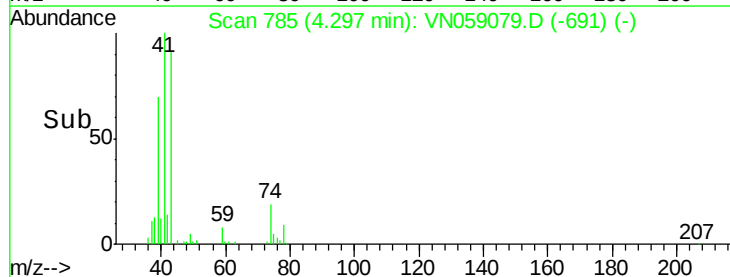
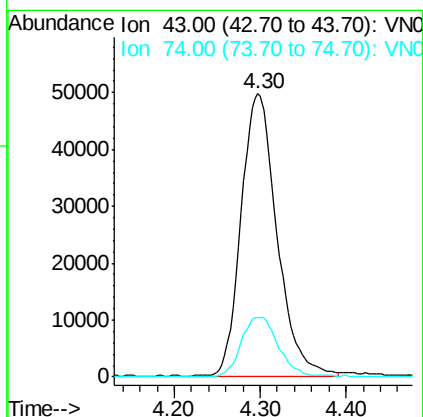
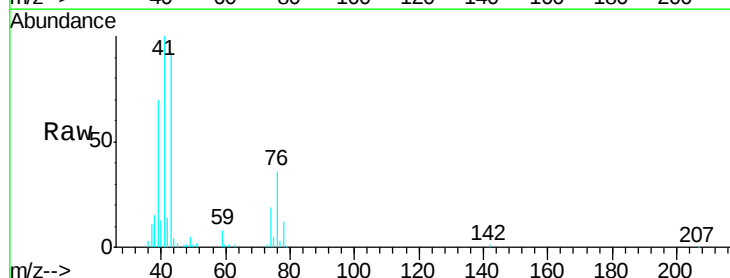
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

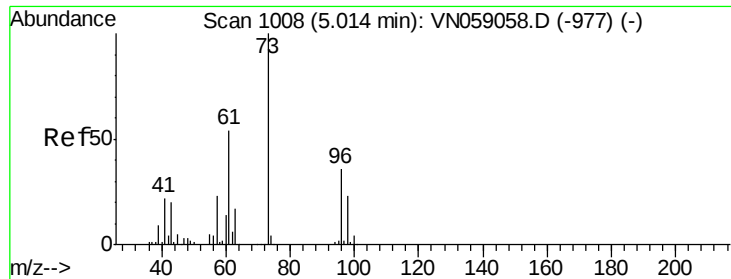
Tgt Ion: 76 Resp: 270611
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 16.830 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion: 43 Resp: 143587
Ion Ratio Lower Upper
43 100
74 22.1 17.5 26.3

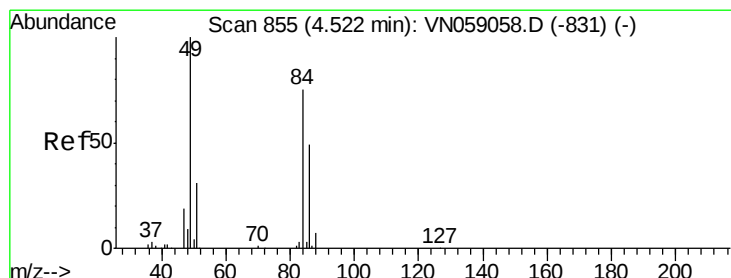
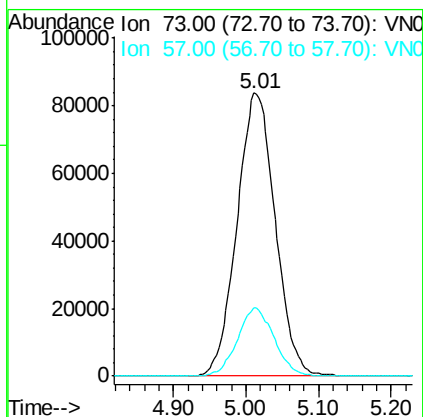
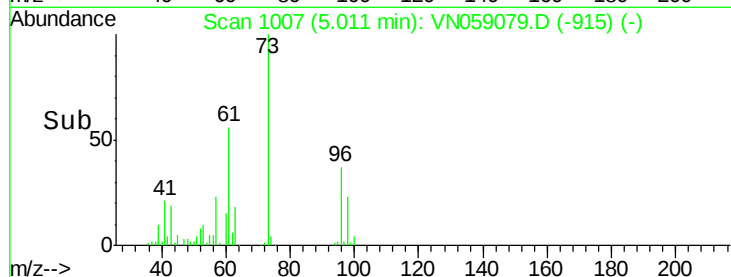
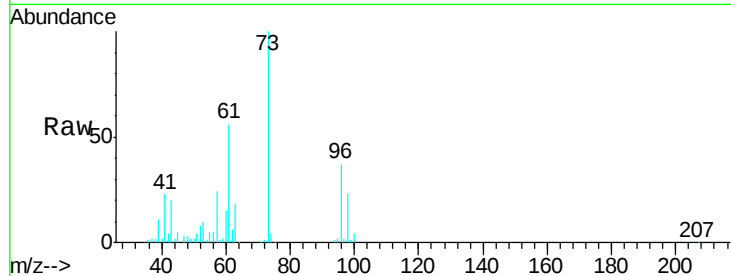




#19
Methyl tert-butyl Ether
Concen: 18.108 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

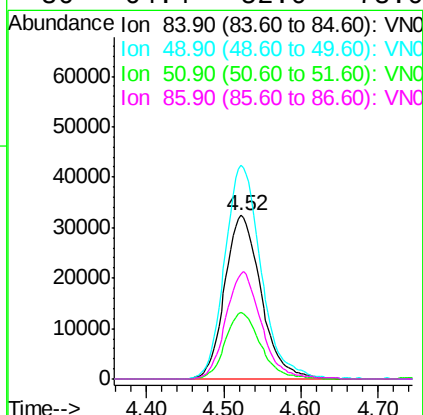
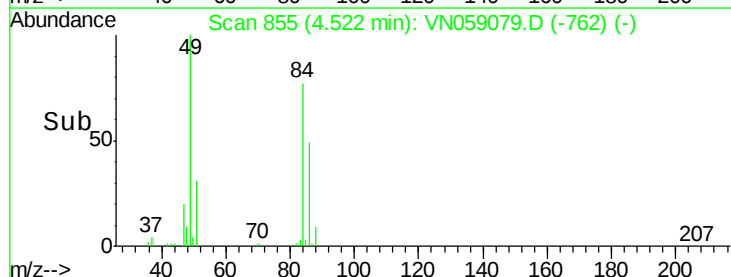
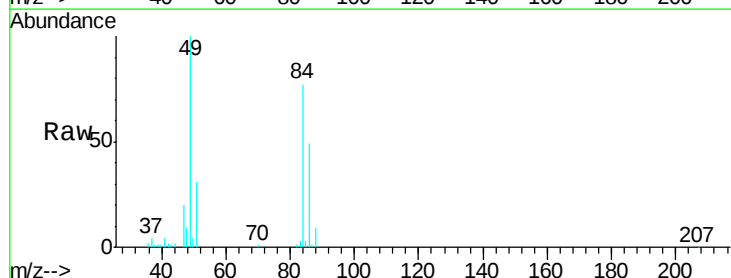
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

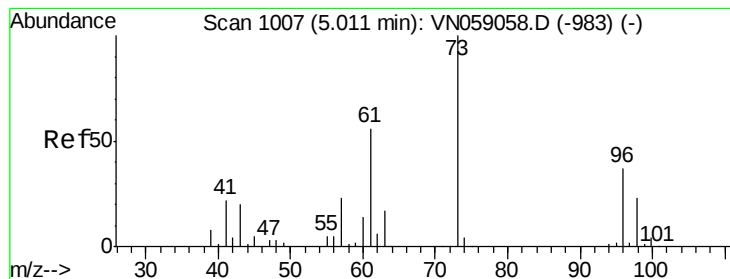
Tgt Ion: 73 Resp: 307050
Ion Ratio Lower Upper
73 100
57 24.0 18.4 27.6



#20
Methylene Chloride
Concen: 17.941 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion: 84 Resp: 105767
Ion Ratio Lower Upper
84 100
49 130.6 106.4 159.6
51 40.8 33.0 49.4
86 64.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.238 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

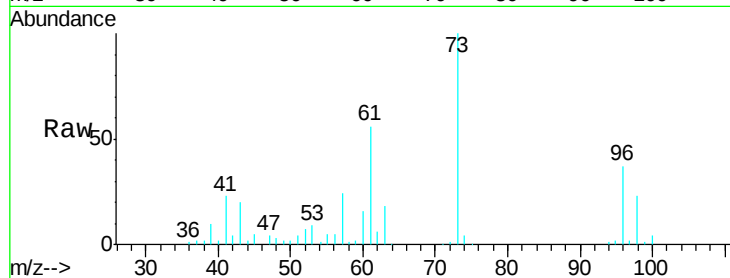
Tgt Ion: 96 Resp: 97480

Ion Ratio Lower Upper

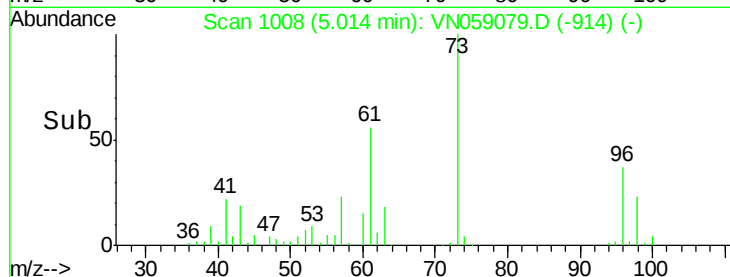
96 100

61 151.4 121.7 182.5

98 62.3 50.6 76.0

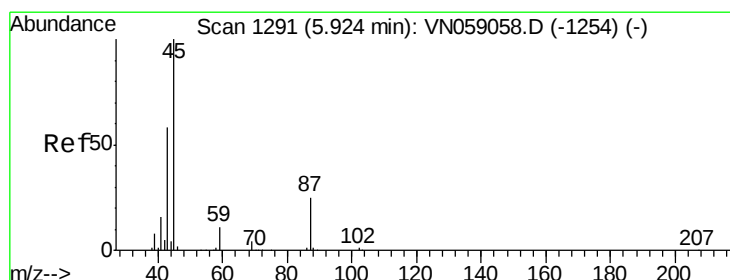
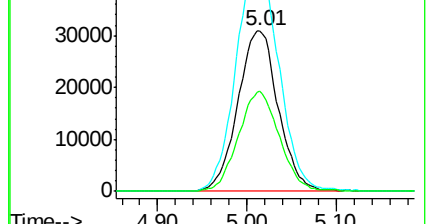


Abundance Ion 95.90 (95.60 to 96.60): VN059079.D (-914) (-)



Ion 60.90 (60.60 to 61.60): VN059079.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059079.D (-914) (-)



#22

Diisopropyl ether

Concen: 18.962 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion: 45 Resp: 356320

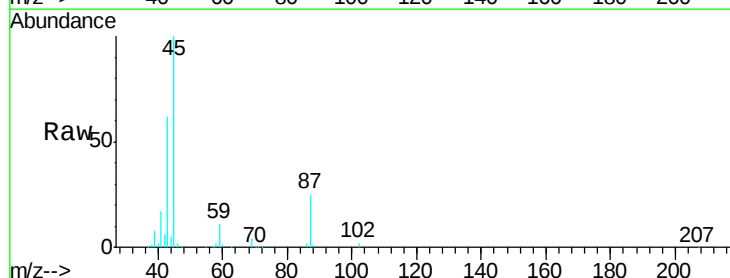
Ion Ratio Lower Upper

45 100

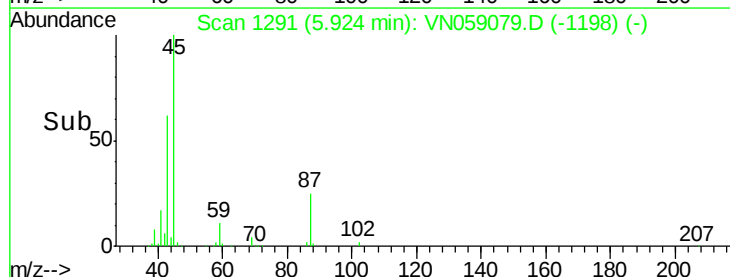
43 60.8 46.9 70.3

87 25.1 20.1 30.1

59 10.6 9.0 13.4



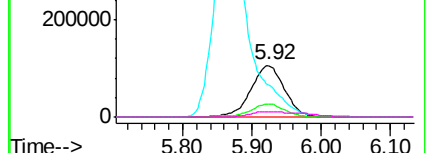
Abundance Ion 45.00 (44.70 to 45.70): VN059079.D (-1198) (-)

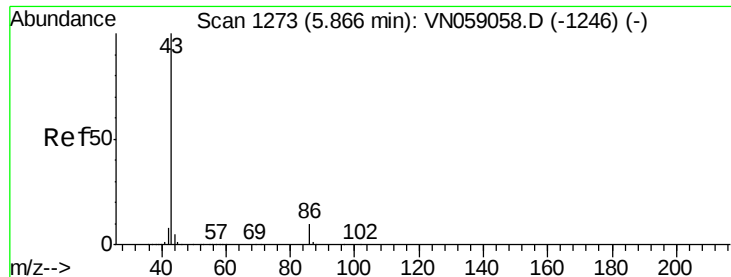


Ion 43.00 (42.70 to 43.70): VN059079.D (-1198) (-)

Ion 87.00 (86.70 to 87.70): VN059079.D (-1198) (-)

Ion 59.00 (58.70 to 59.70): VN059079.D (-1198) (-)





#23

Vinyl Acetate

Concen: 97.498 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

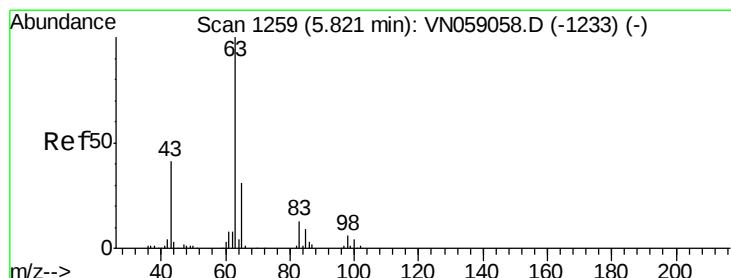
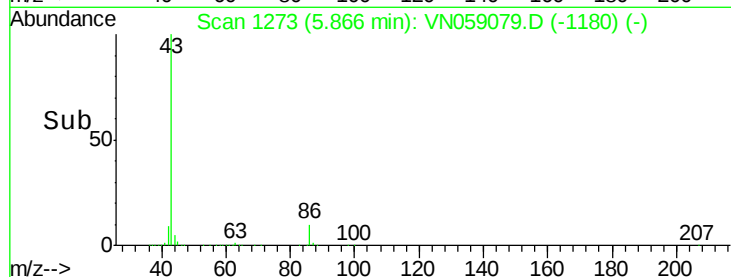
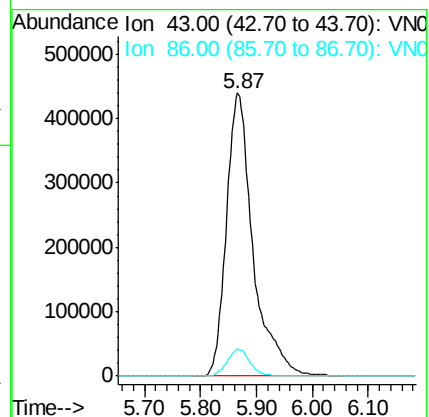
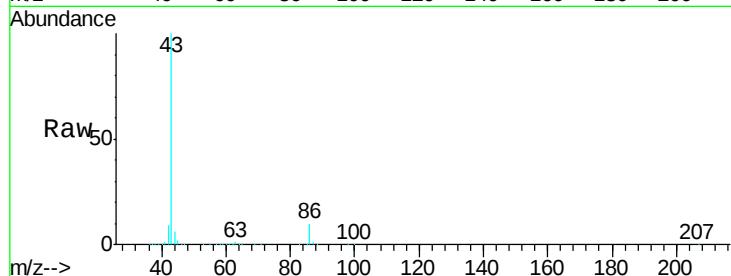
VN1104WBS02

Tgt Ion: 43 Resp: 1459234

Ion Ratio Lower Upper

43 100

86 9.5 7.6 11.4



#24

1,1-Dichloroethane

Concen: 18.381 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

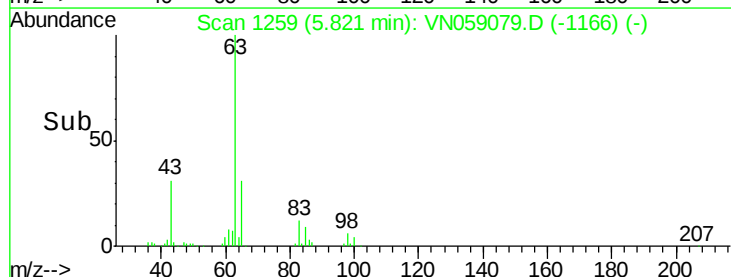
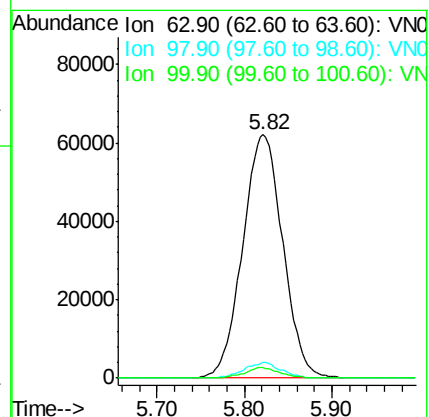
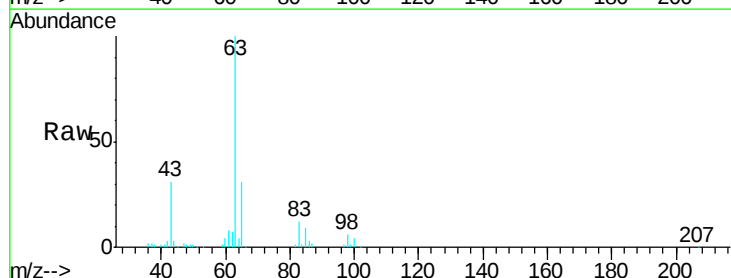
Tgt Ion: 63 Resp: 197470

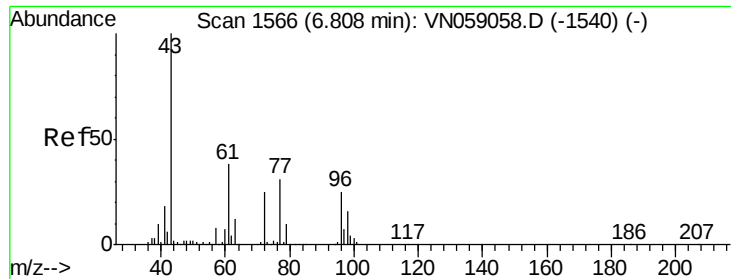
Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 91.999 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

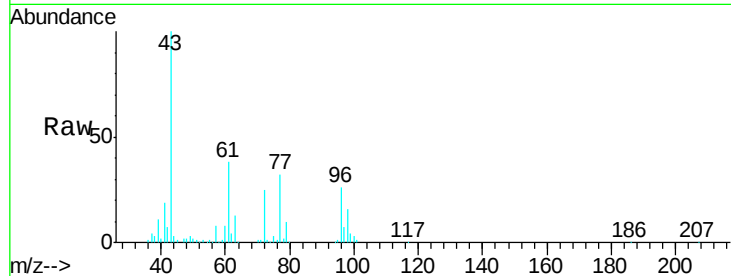
VN1104WBS02

Tgt Ion: 43 Resp: 412540

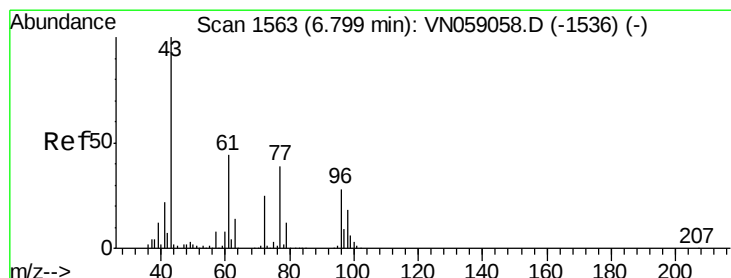
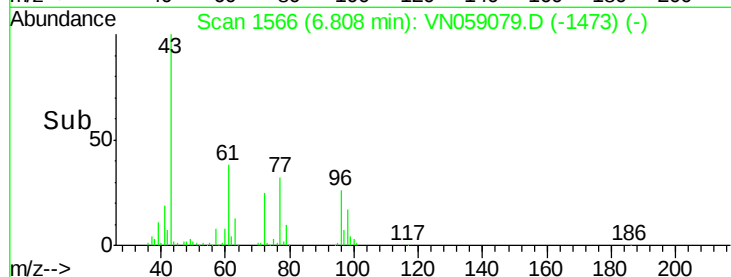
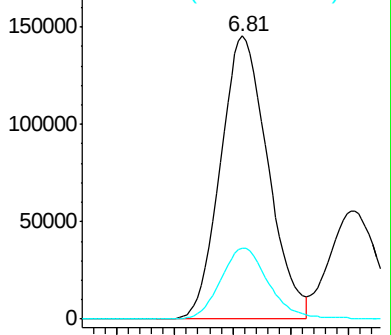
Ion Ratio Lower Upper

43 100

72 25.2 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1540) (-)



#26

2,2-Dichloropropane

Concen: 18.011 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059079.D

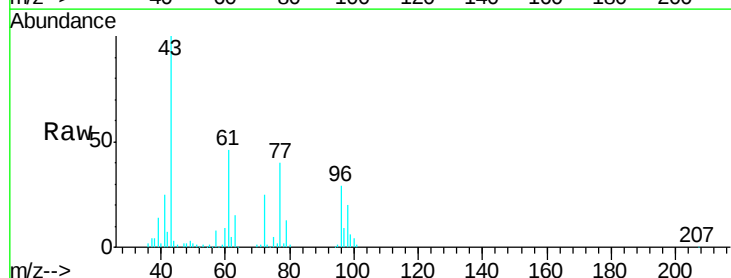
Acq: 4 Nov 2019 12:18

Tgt Ion: 77 Resp: 167950

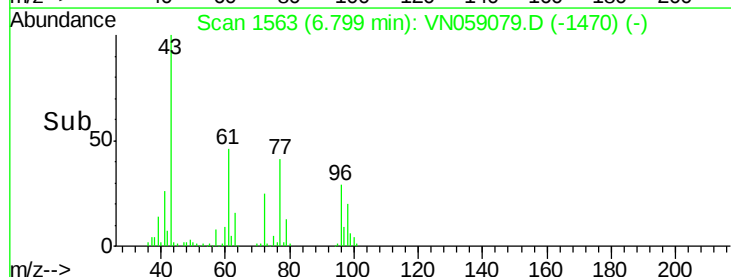
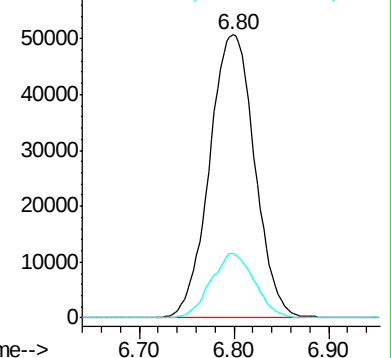
Ion Ratio Lower Upper

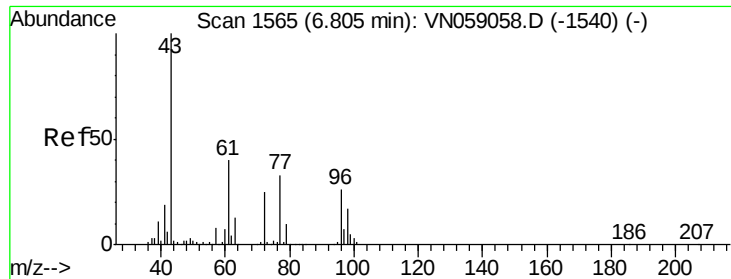
77 100

97 21.9 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VN059058.D (-1536) (-)





#27

cis-1,2-Dichloroethene

Concen: 18.522 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

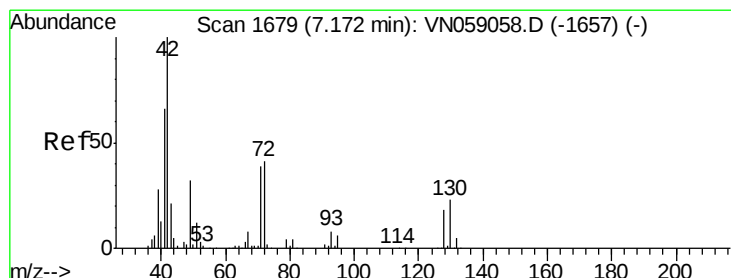
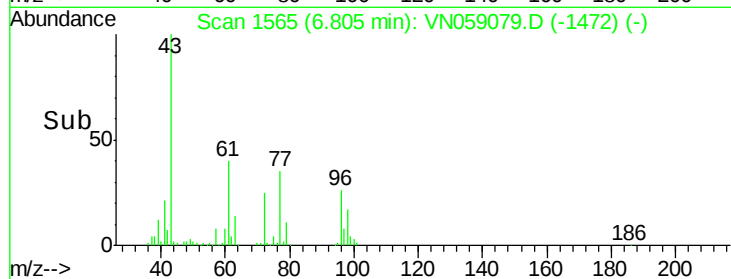
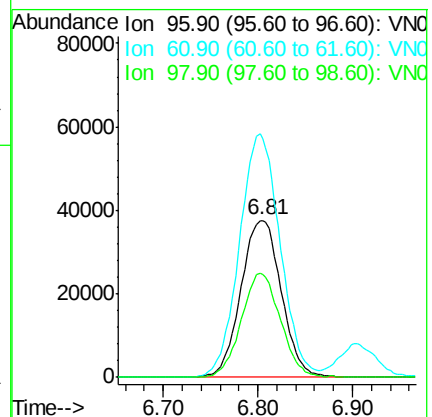
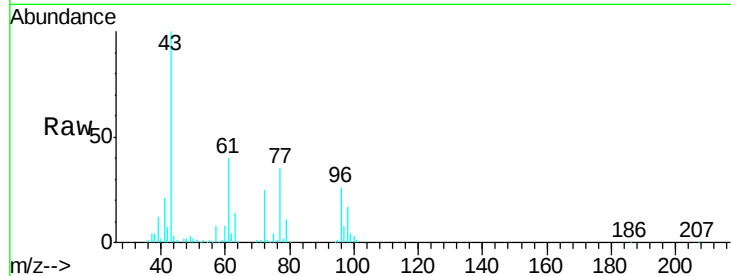
Tgt Ion: 96 Resp: 111469

Ion Ratio Lower Upper

96 100

61 156.0 0.0 316.4

98 64.2 0.0 128.2



#28

Bromochloromethane

Concen: 19.061 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

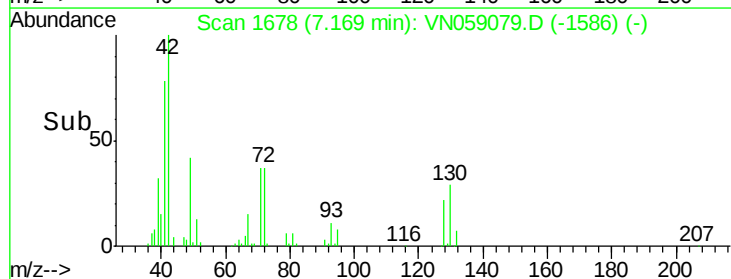
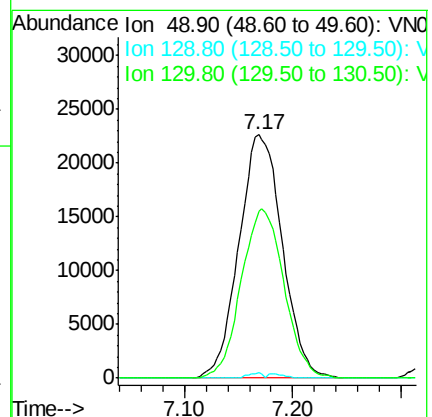
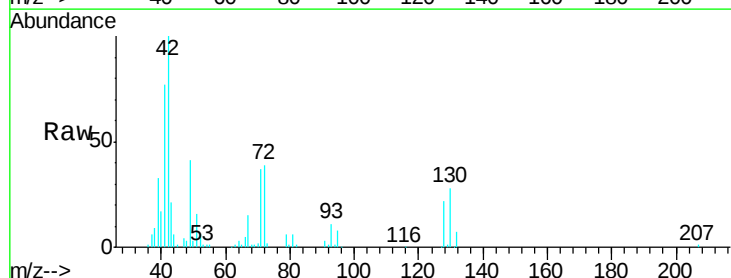
Tgt Ion: 49 Resp: 63201

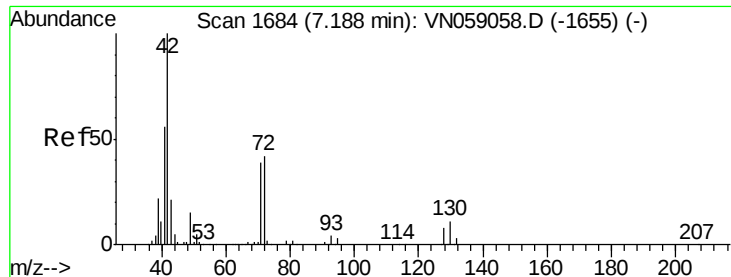
Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.4

130 68.4 55.0 82.6

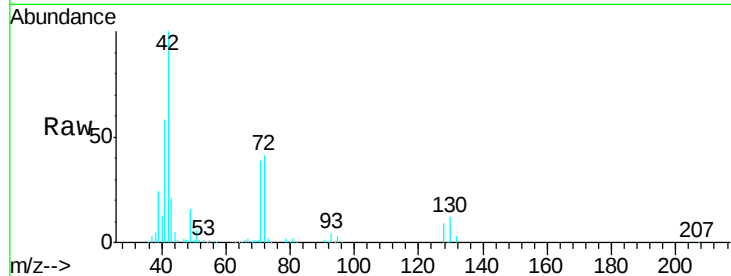




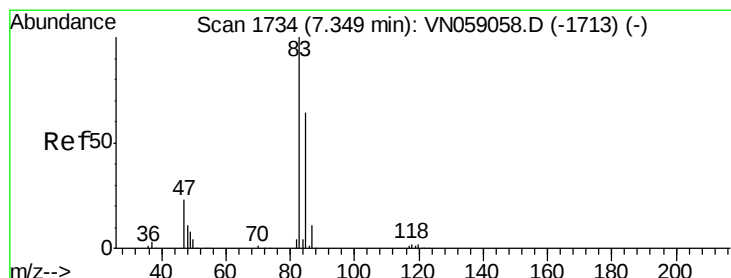
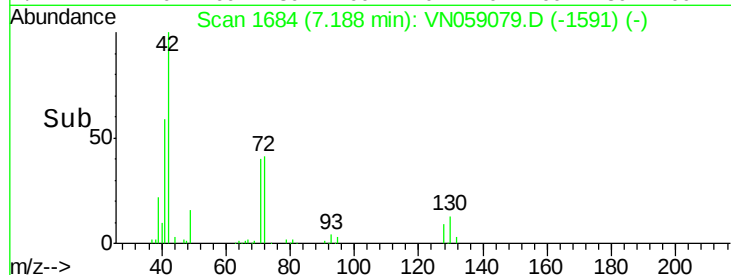
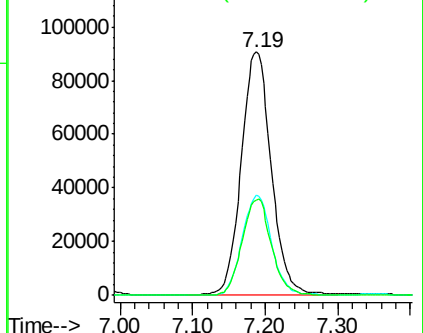
#29
Tetrahydrofuran
Concen: 92.679 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

Tgt Ion: 42 Resp: 262278
Ion Ratio Lower Upper
42 100
72 40.3 32.7 49.1
71 38.6 31.2 46.8

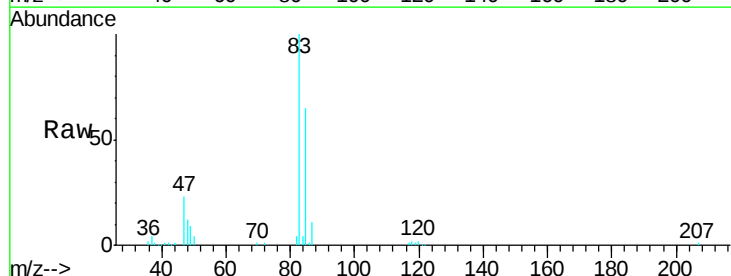


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

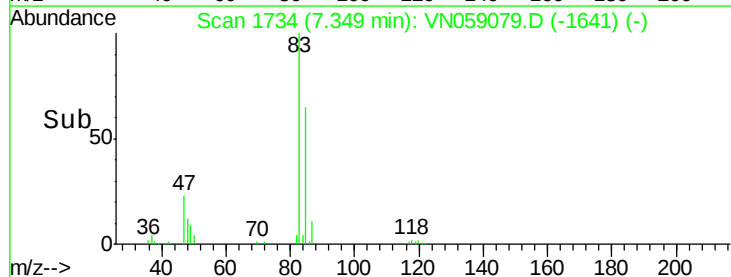
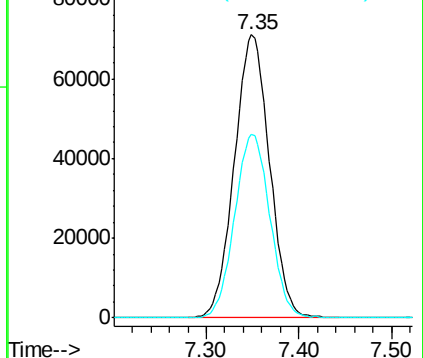


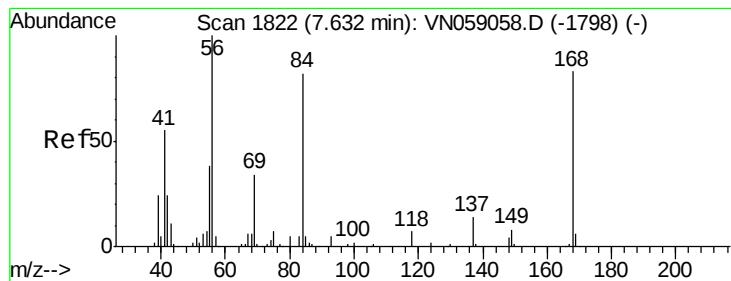
#30
Chloroform
Concen: 18.173 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion: 83 Resp: 186702
Ion Ratio Lower Upper
83 100
85 65.0 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.180 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

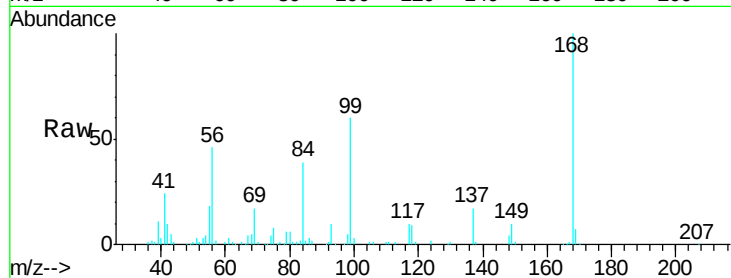
Tgt Ion: 56 Resp: 186298

Ion Ratio Lower Upper

56 100

69 36.6 27.2 40.8

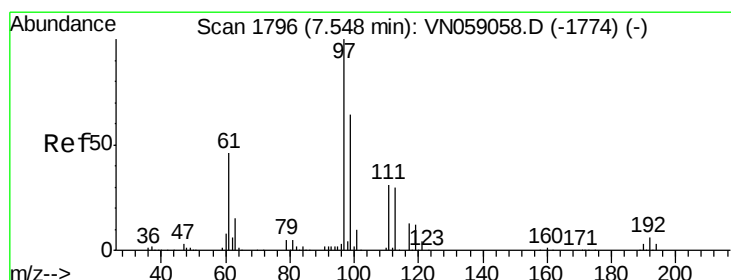
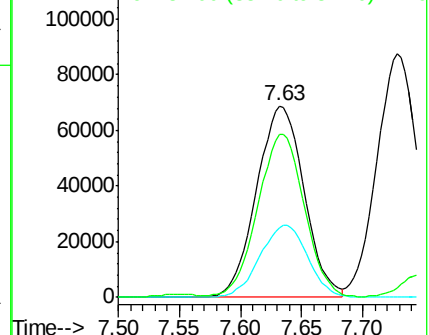
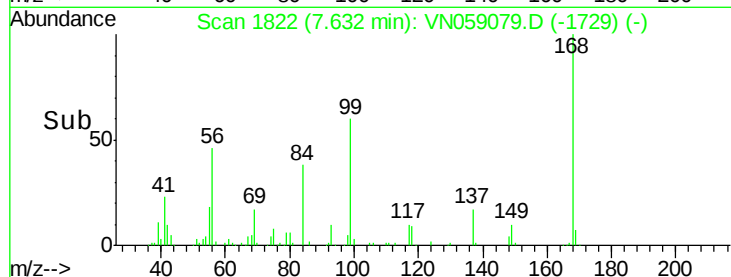
84 83.9 65.2 97.8



Abundance Ion 56.00 (55.70 to 56.70): VN059079.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN059079.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN059079.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 18.654 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

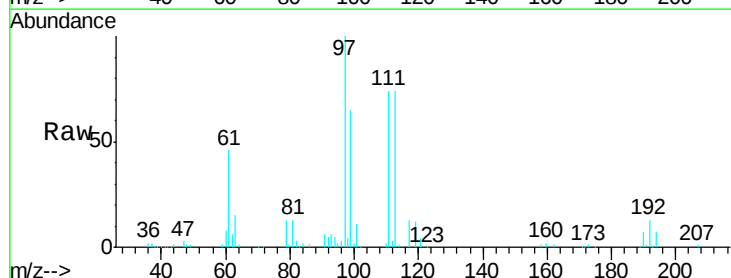
Tgt Ion: 97 Resp: 162137

Ion Ratio Lower Upper

97 100

99 64.5 50.7 76.1

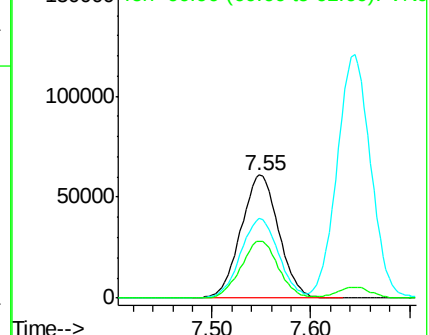
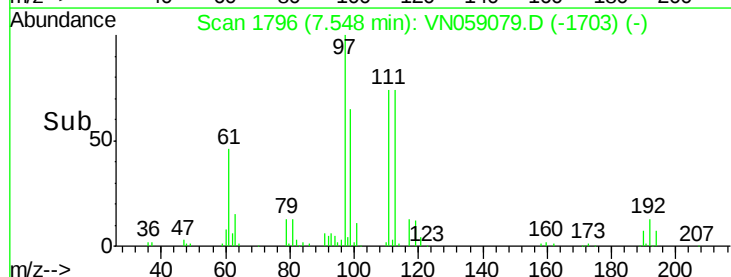
61 45.9 36.3 54.5

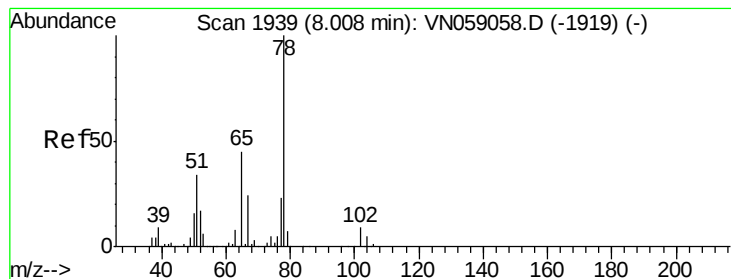


Abundance Ion 96.90 (96.60 to 97.60): VN059079.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN059079.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN059079.D (-1703) (-)





#33

1,2-Dichloroethane-d4

Concen: 47.121 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

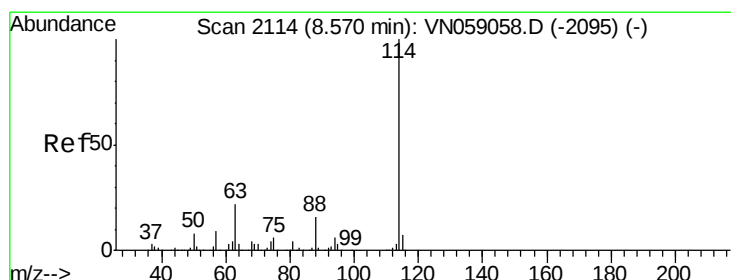
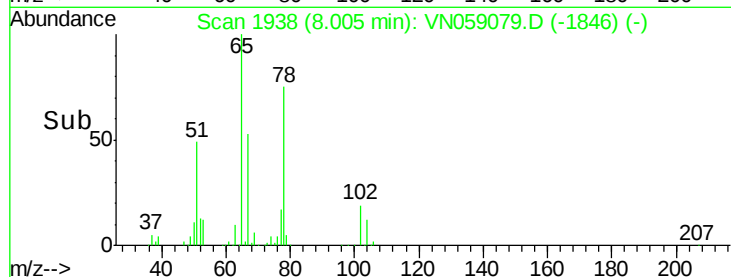
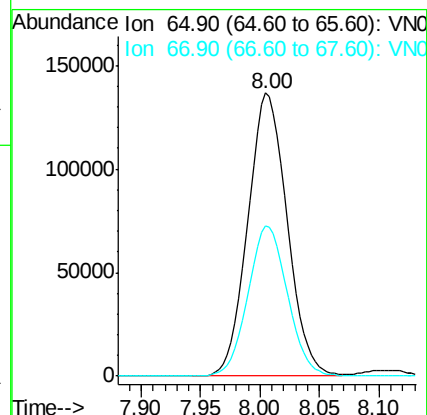
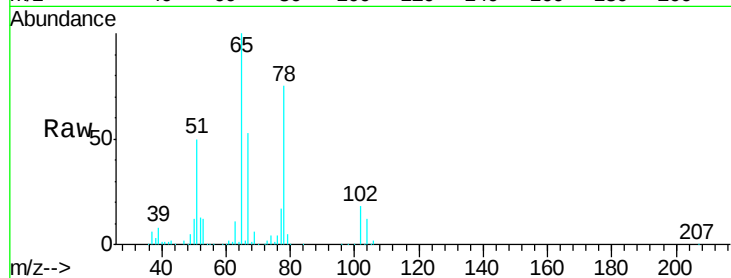
VN1104WBS02

Tgt Ion: 65 Resp: 313447

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

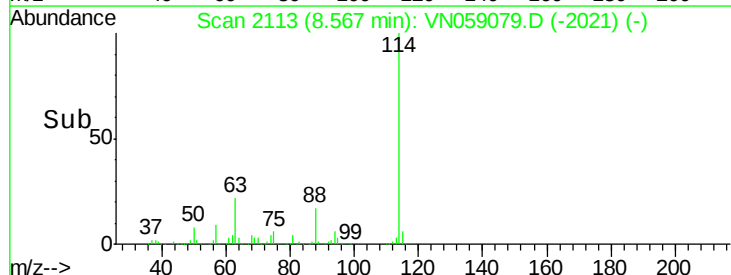
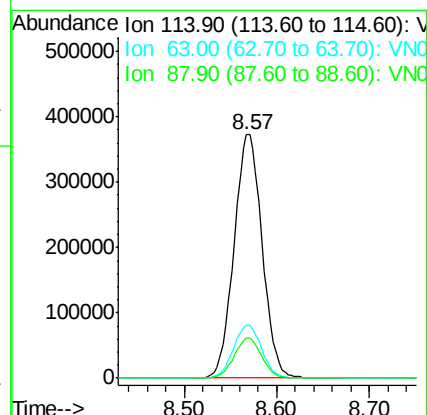
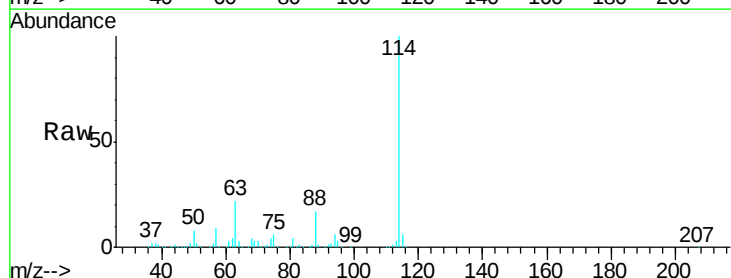
Tgt Ion: 114 Resp: 782773

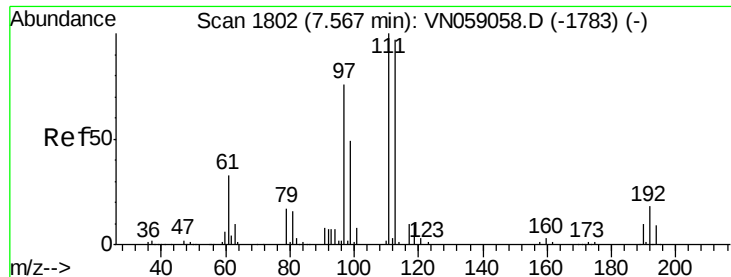
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

88 16.6 0.0 33.0

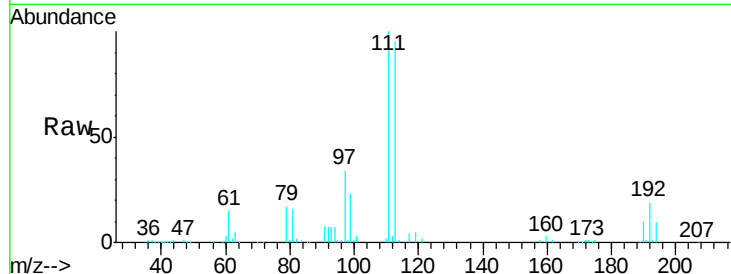




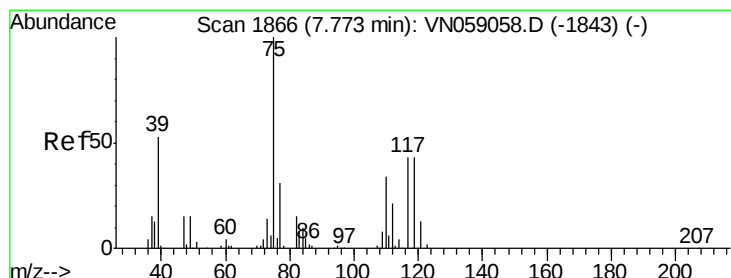
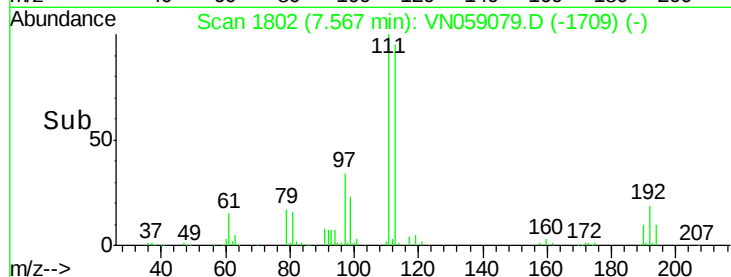
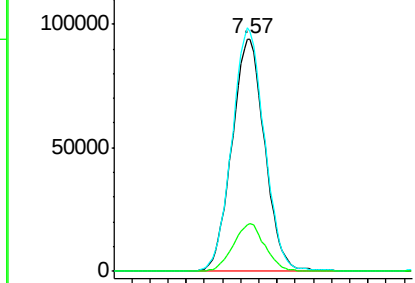
#35
 Dibromofluoromethane
 Concen: 46.737 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN1104WBS02

Tgt Ion: 113 Resp: 236015
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.9 124.3
 192 19.7 15.9 23.9

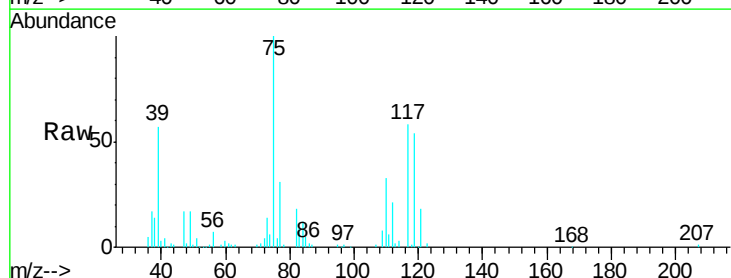


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

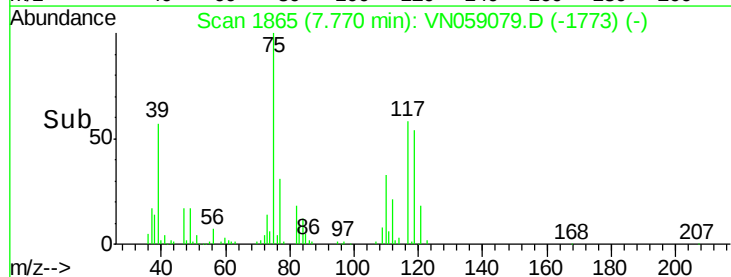
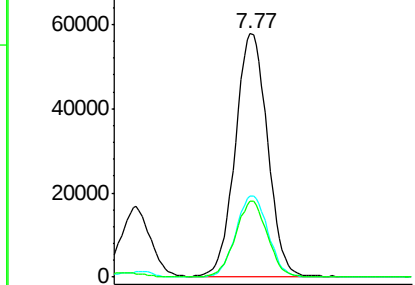


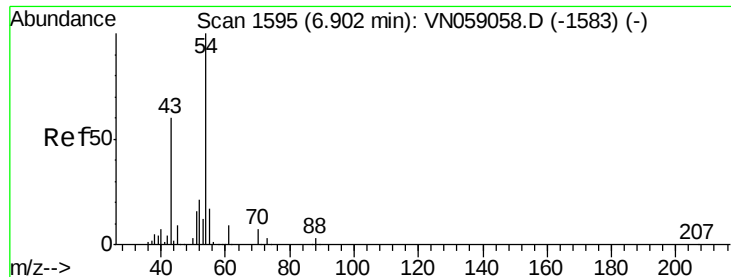
#36
 1,1-Dichloropropene
 Concen: 18.399 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion: 75 Resp: 143144
 Ion Ratio Lower Upper
 75 100
 110 33.1 16.9 50.6
 77 31.0 25.0 37.4



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

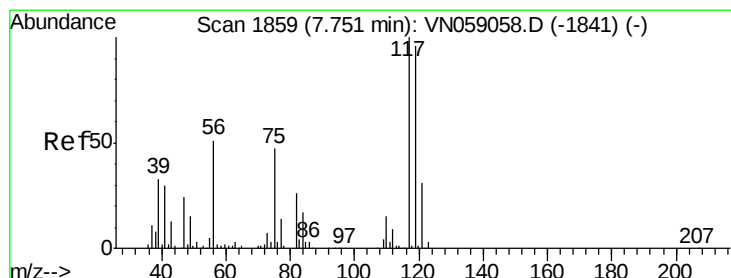
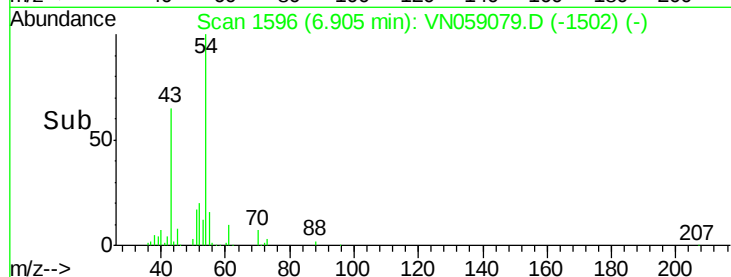
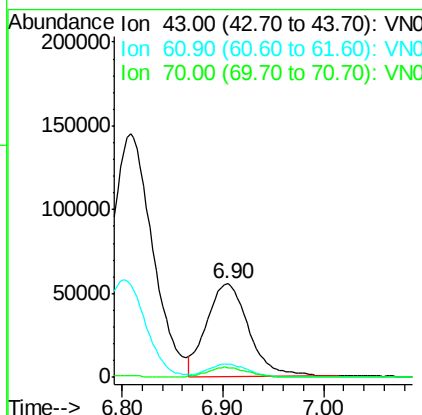
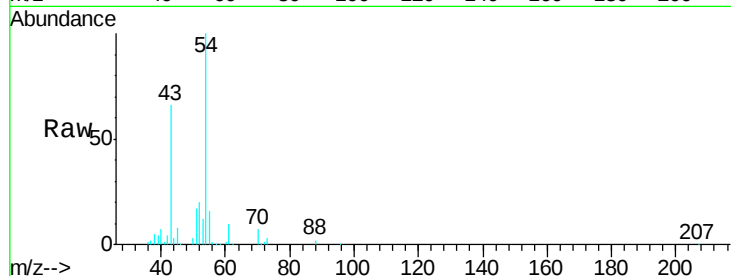




#37
 Ethyl Acetate
 Concen: 18.645 ug/l
 RT: 6.90 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

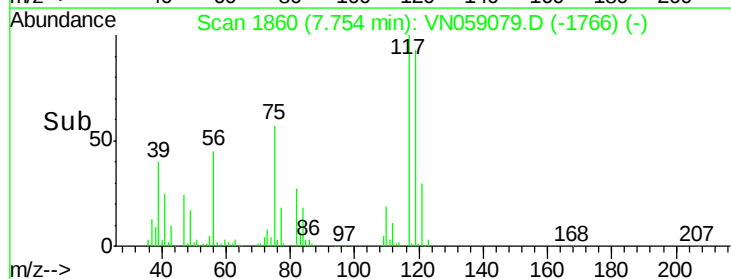
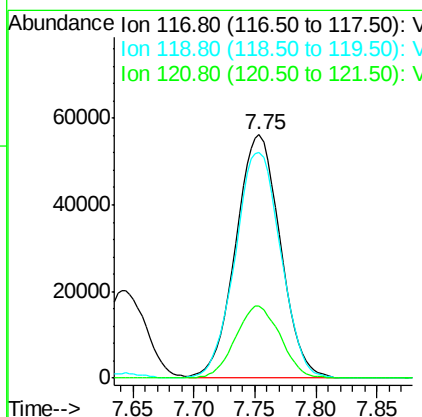
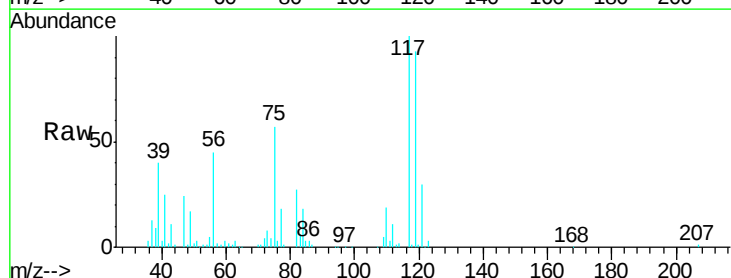
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

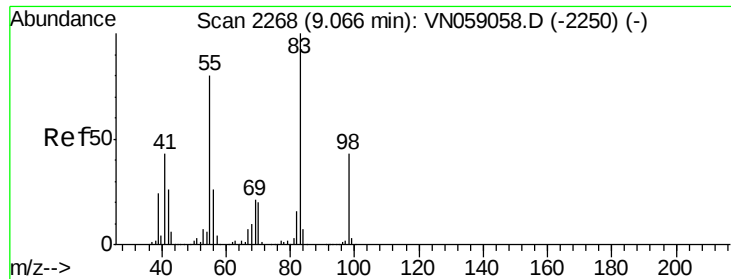
Tgt Ion: 43 Resp: 161167
 Ion Ratio Lower Upper
 43 100
 61 13.6 11.2 16.8
 70 10.5 8.0 12.0



#38
 Carbon Tetrachloride
 Concen: 18.752 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion: 117 Resp: 142180
 Ion Ratio Lower Upper
 117 100
 119 92.6 76.6 114.8
 121 29.8 24.6 37.0

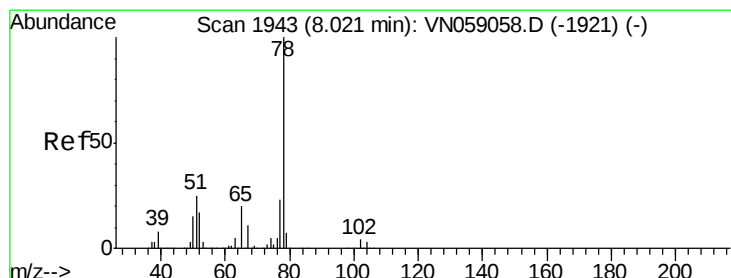
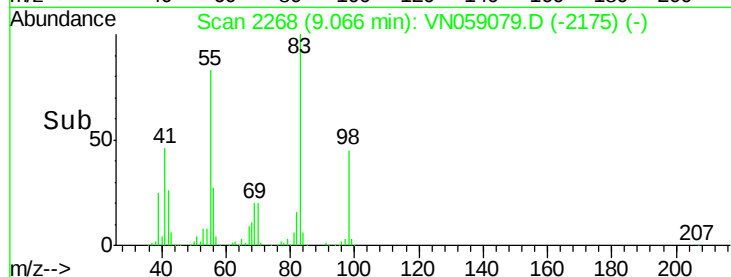
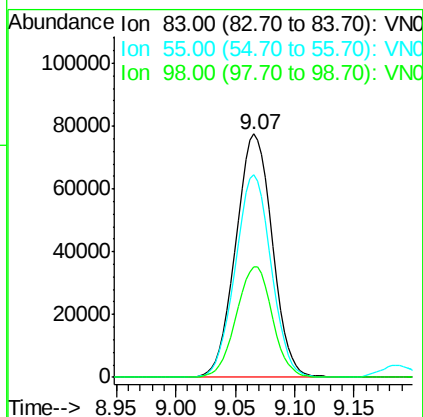
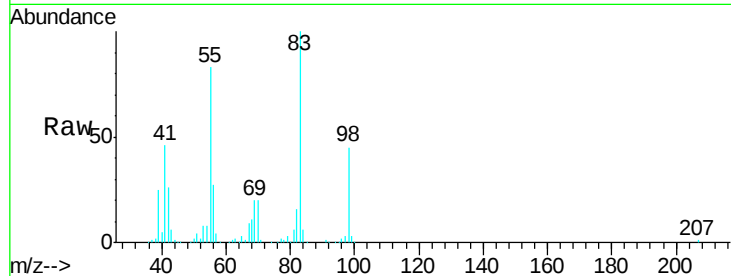




#39
Methylcyclohexane
Concen: 18.398 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

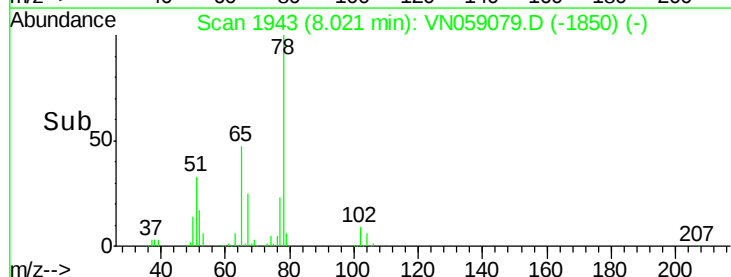
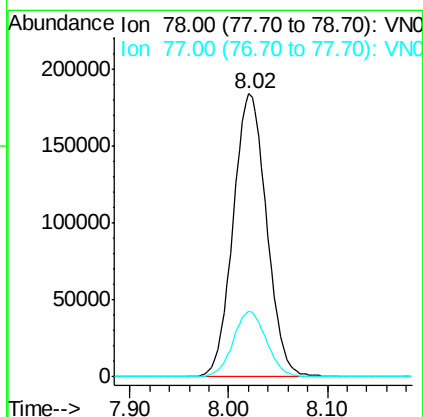
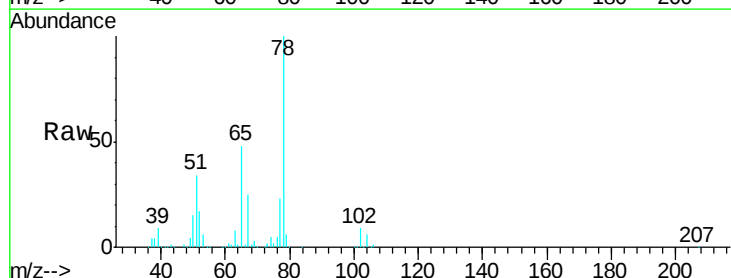
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

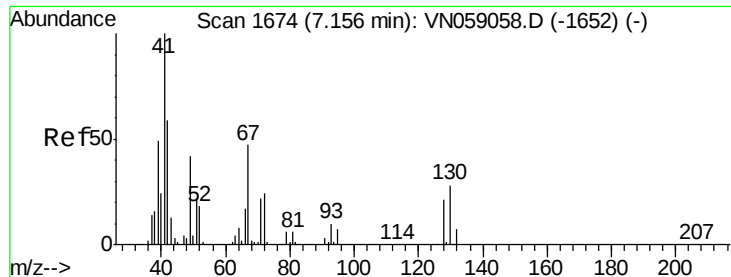
Tgt Ion: 83 Resp: 165444
Ion Ratio Lower Upper
83 100
55 83.5 64.1 96.1
98 45.3 34.3 51.5



#40
Benzene
Concen: 18.769 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion: 78 Resp: 433345
Ion Ratio Lower Upper
78 100
77 23.2 18.6 27.8

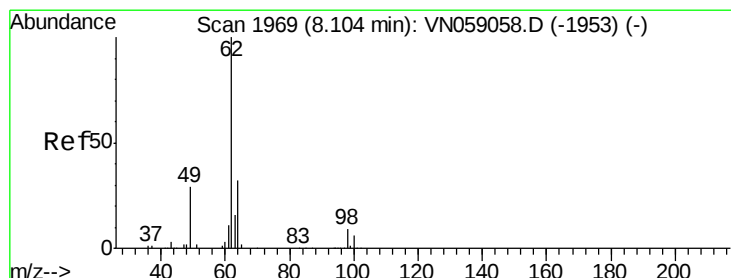
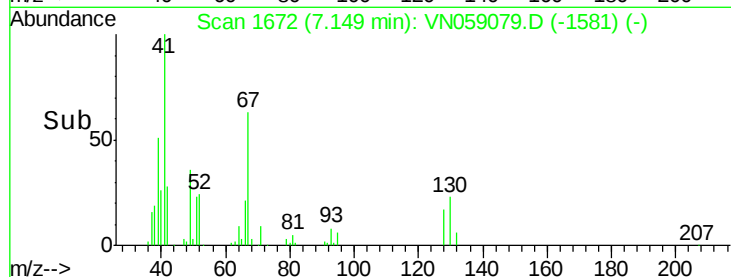
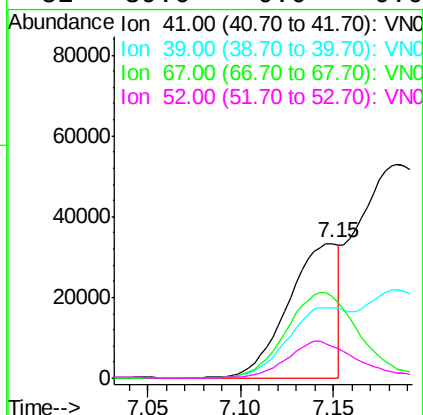
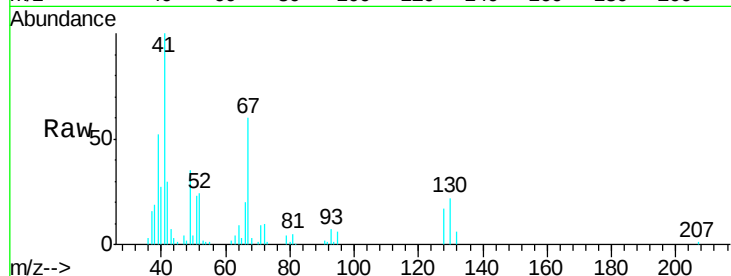




#41
Methacrylonitrile
Concen: 16.904 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

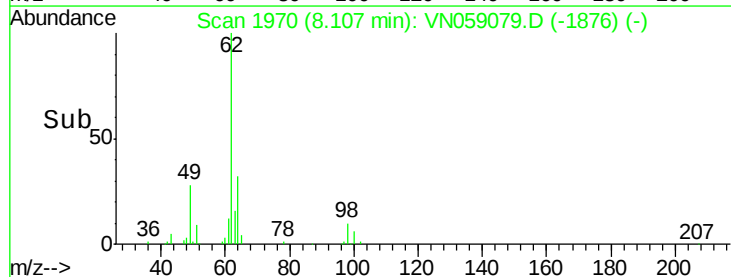
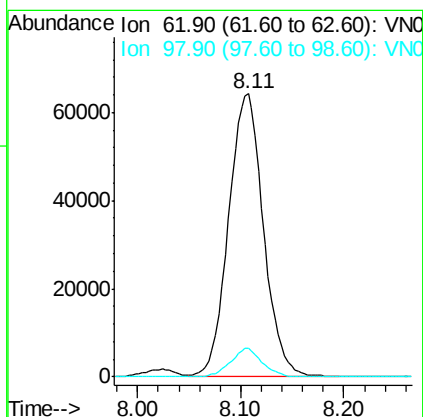
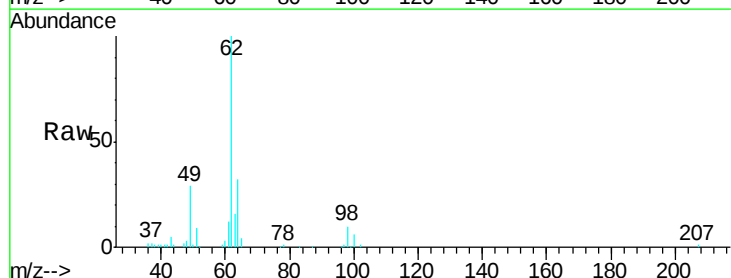
Instrument :
MSVOA_N
ClientSampled :
VN1104WBS02

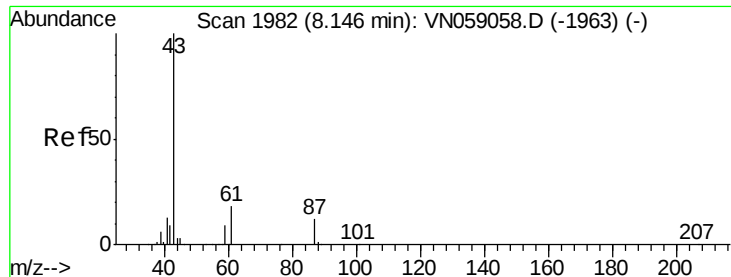
Tgt Ion:	41	Resp:	63183
Ion	Ratio	Lower	Upper
41	100		
39	63.1	0.0	0.0#
67	92.9	0.0	0.0#
52	39.0	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 18.870 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion:	62	Resp:	151306
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0

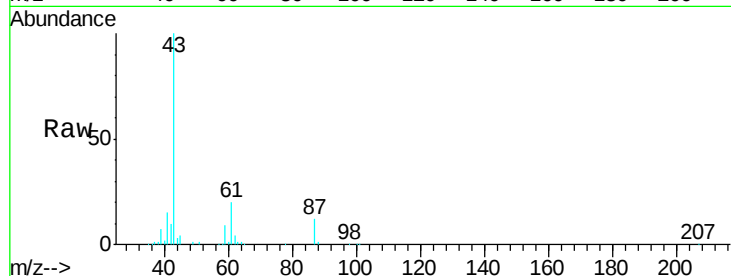




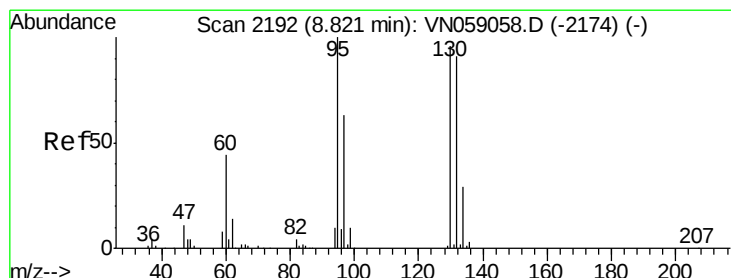
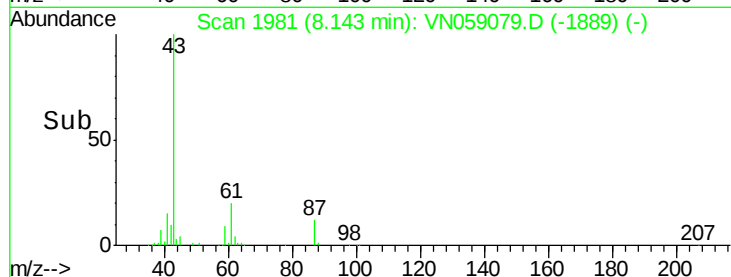
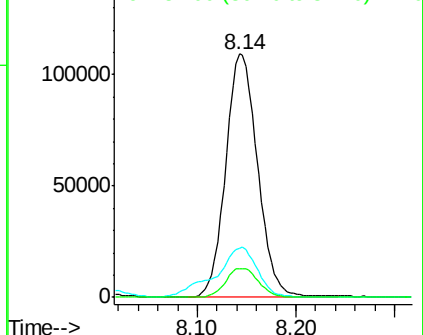
#43
Isopropyl Acetate
Concen: 18.085 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
VN1104WBS02

Tgt Ion: 43 Resp: 244467
Ion Ratio Lower Upper
43 100
61 27.5 20.5 30.7
87 12.3 9.8 14.8

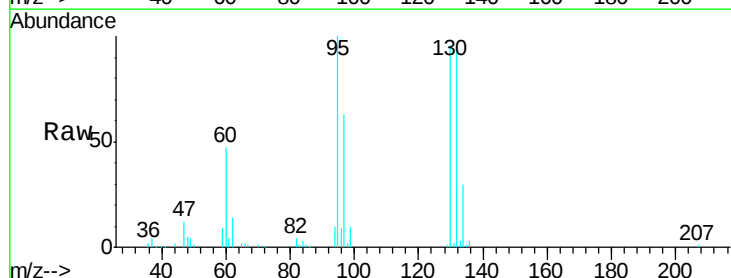


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

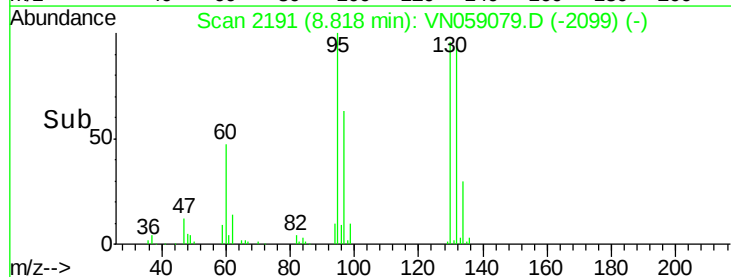
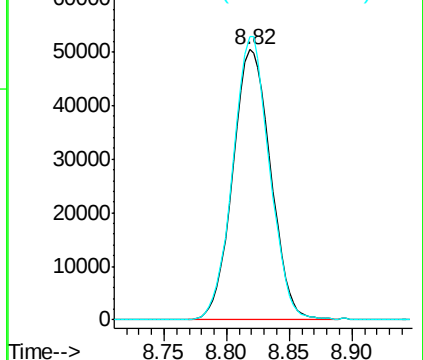


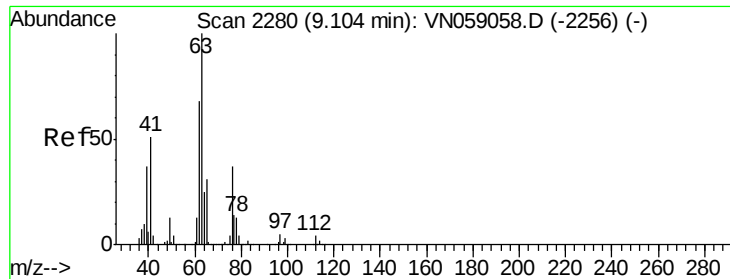
#44
Trichloroethene
Concen: 18.669 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion: 130 Resp: 106055
Ion Ratio Lower Upper
130 100
95 104.7 0.0 207.6



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

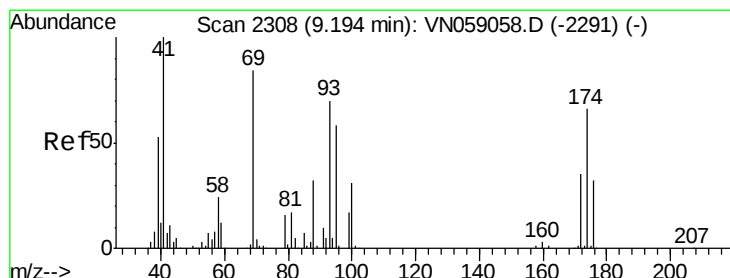
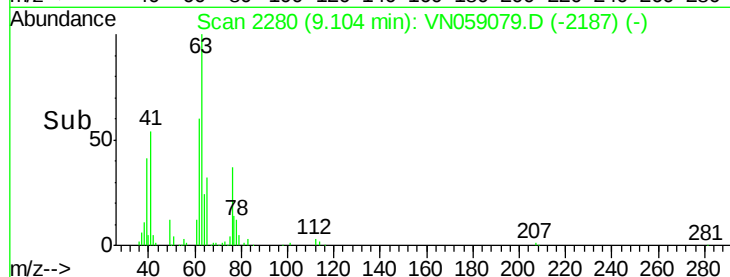
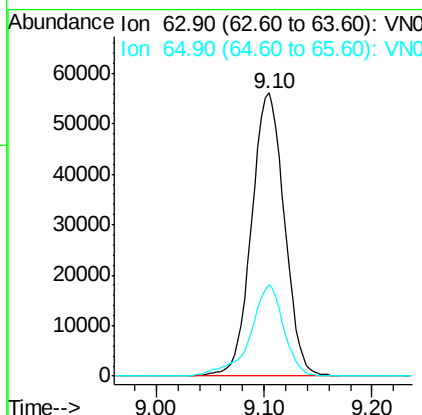
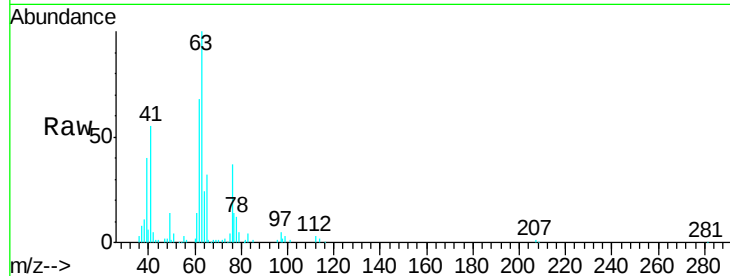




#45
 1,2-Dichloropropane
 Concen: 18.959 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

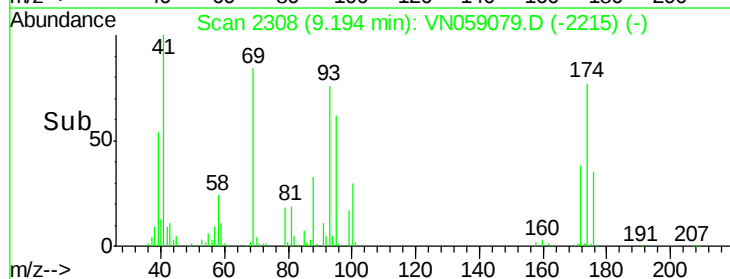
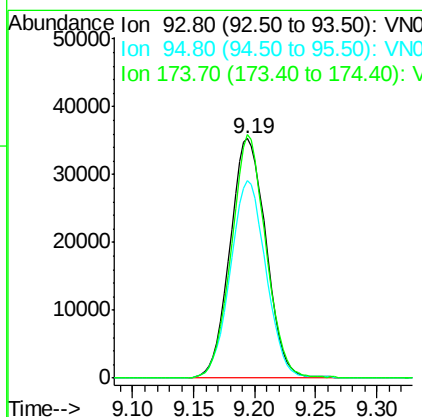
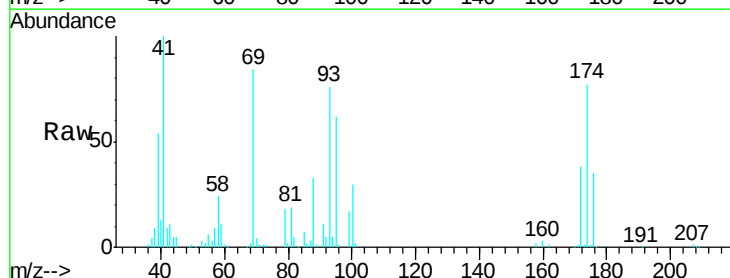
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

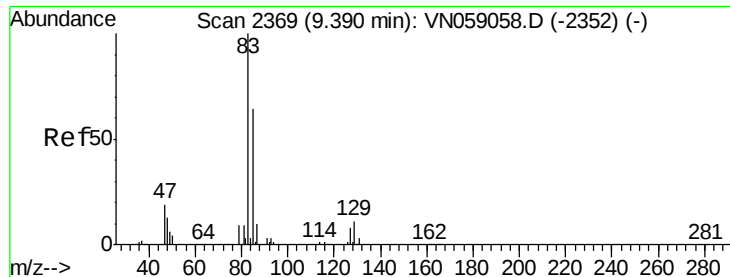
Tgt Ion: 63 Resp: 118381
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.6



#46
 Dibromomethane
 Concen: 18.768 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion: 93 Resp: 72429
 Ion Ratio Lower Upper
 93 100
 95 81.2 67.2 100.8
 174 97.0 78.3 117.5





#47

Bromodichloromethane

Concen: 18.554 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

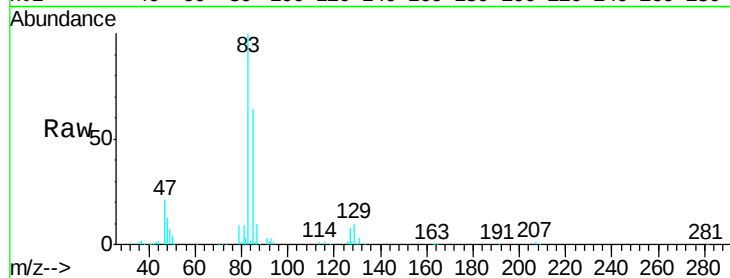
Tgt Ion: 83 Resp: 145011

Ion Ratio Lower Upper

83 100

85 63.6 51.2 76.8

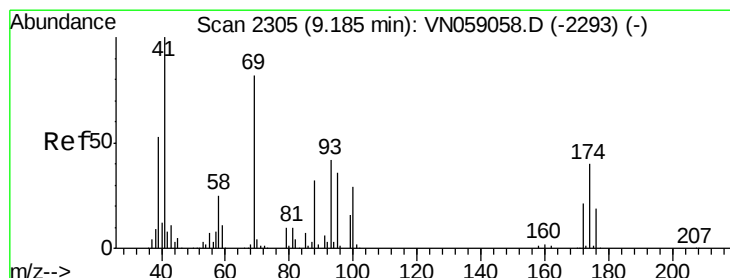
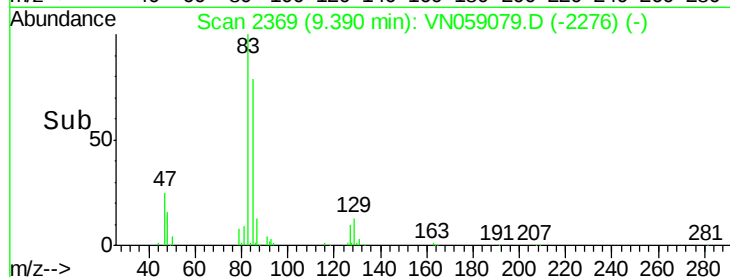
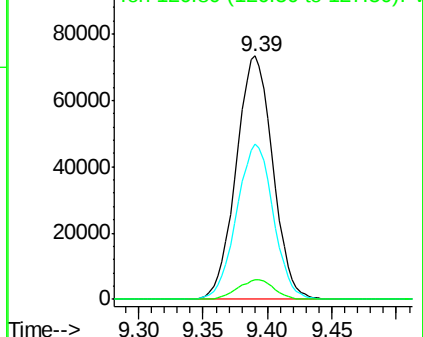
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN059079.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059079.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059079.D (-2276) (-)



#48

Methyl methacrylate

Concen: 17.888 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

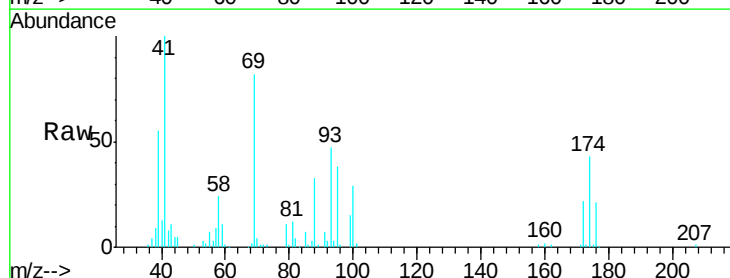
Tgt Ion: 41 Resp: 110258

Ion Ratio Lower Upper

41 100

69 83.2 67.1 100.7

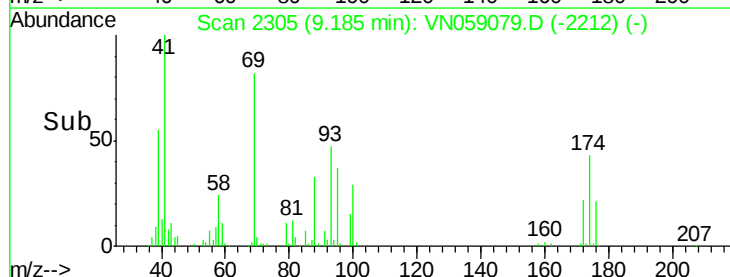
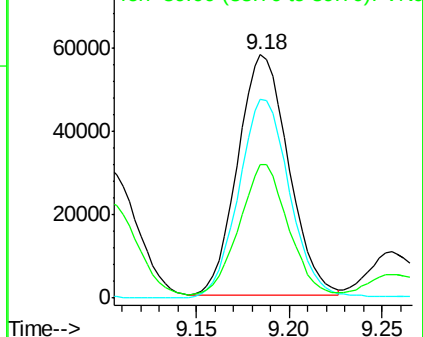
39 54.6 43.3 64.9

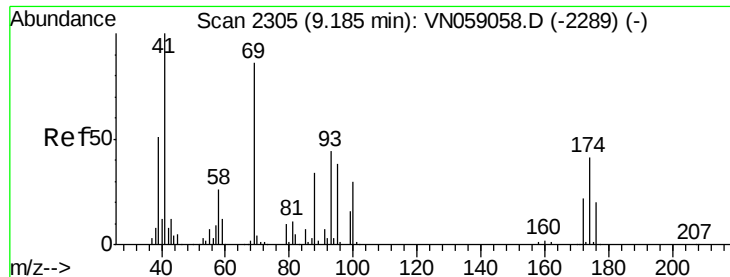


Abundance Ion 41.00 (40.70 to 41.70): VN059079.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059079.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059079.D (-2212) (-)

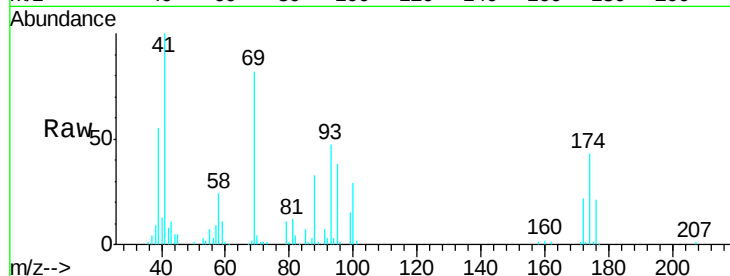




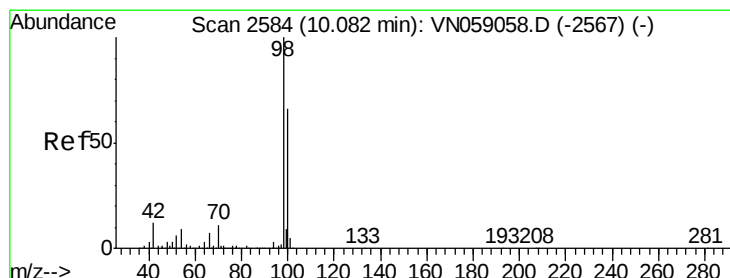
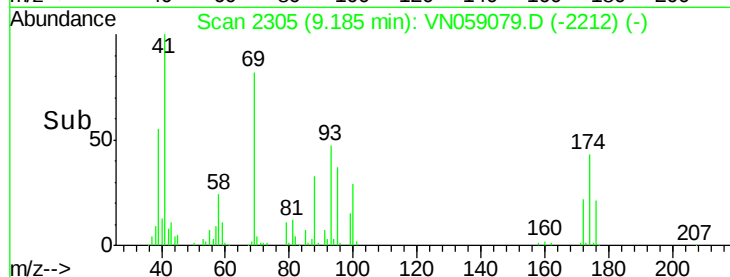
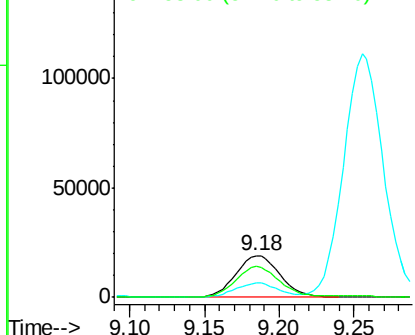
#49
1,4-Dioxane
Concen: 390.421 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
VN1104WBS02

Tgt Ion: 88 Resp: 39254
Ion Ratio Lower Upper
88 100
43 34.2 26.2 39.2
58 73.8 59.1 88.7

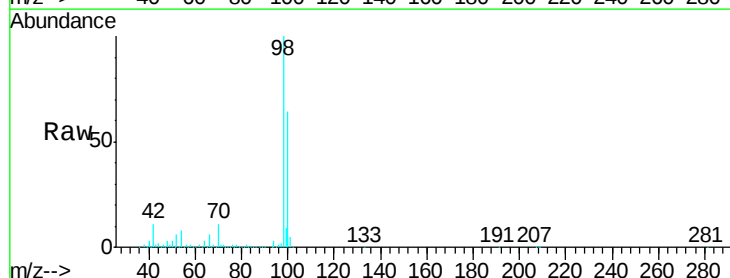


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

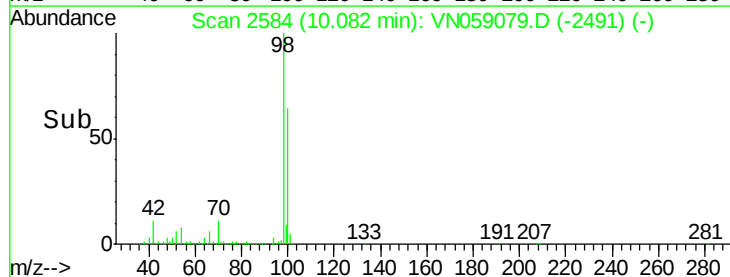
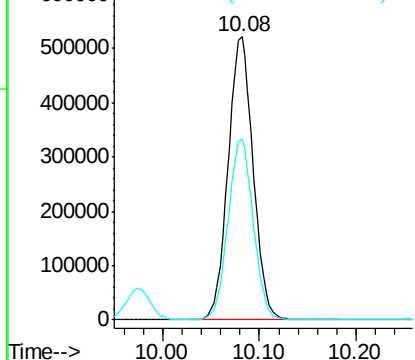


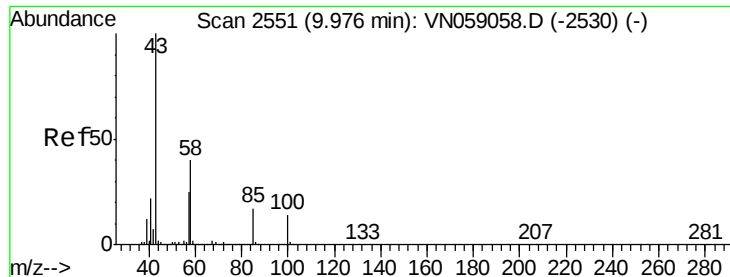
#50
Toluene-d8
Concen: 47.655 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion: 98 Resp: 936912
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



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

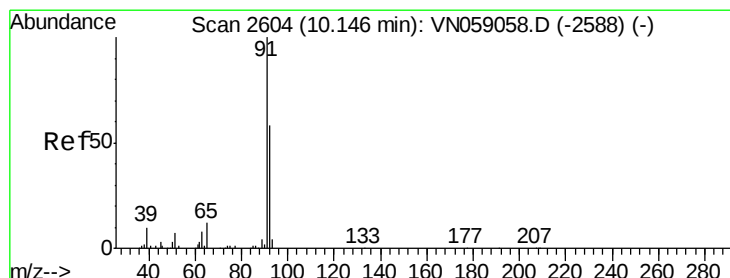
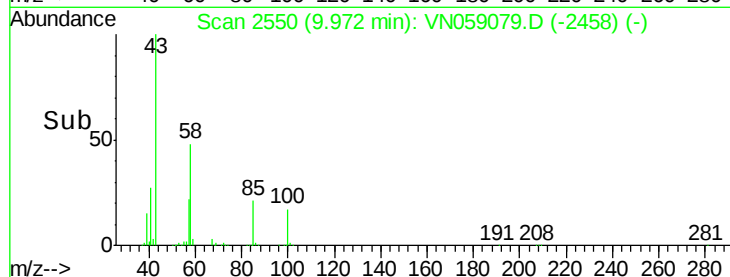
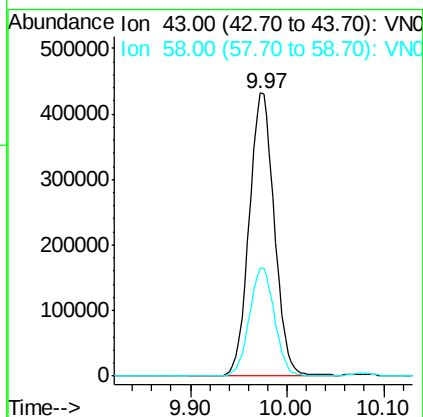
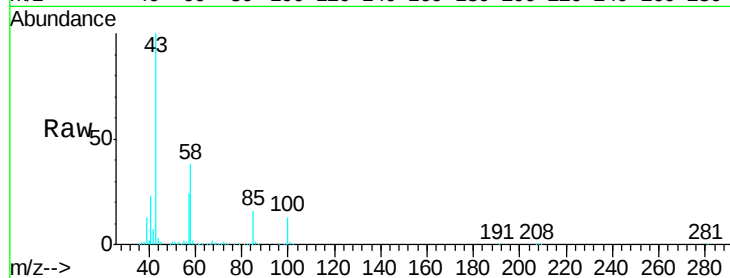




#51
 4-Methyl-2-Pentanone
 Concen: 99.604 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

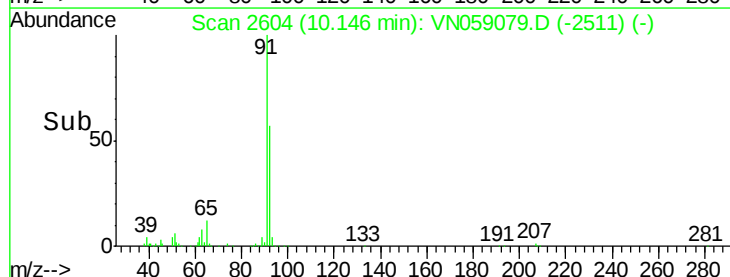
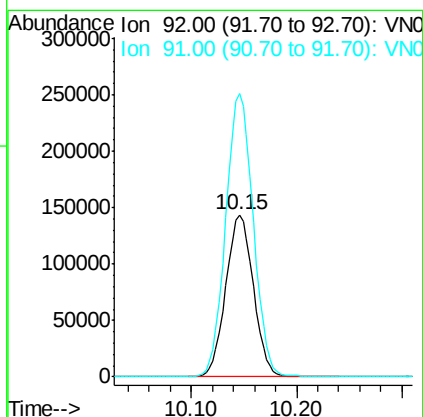
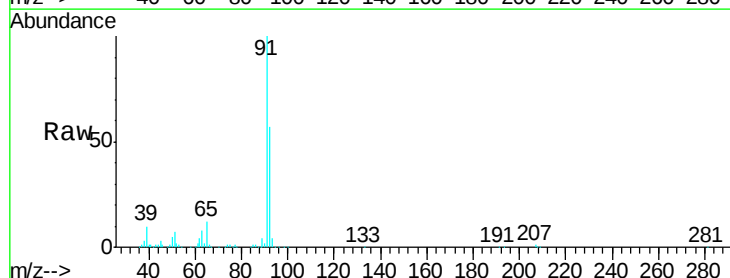
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

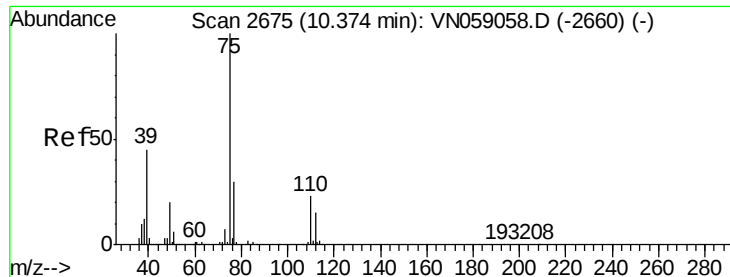
Tgt Ion: 43 Resp: 782166
 Ion Ratio Lower Upper
 43 100
 58 38.1 31.8 47.6



#52
 Toluene
 Concen: 19.232 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion: 92 Resp: 260183
 Ion Ratio Lower Upper
 92 100
 91 174.3 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 17.889 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

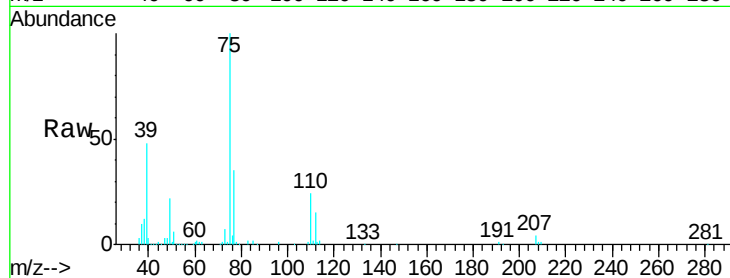
VN1104WBS02

Tgt Ion: 75 Resp: 161668

Ion Ratio Lower Upper

75 100

77 34.0 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

80000

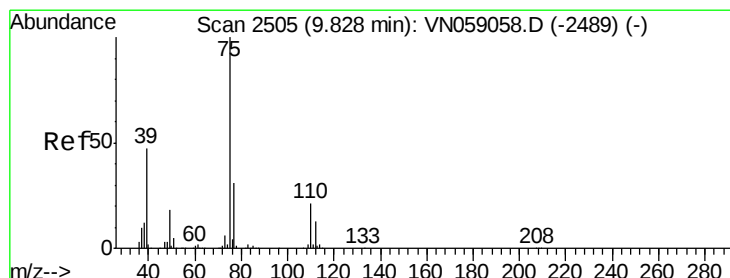
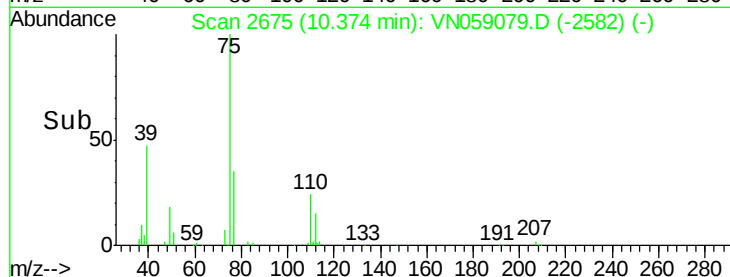
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.895 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

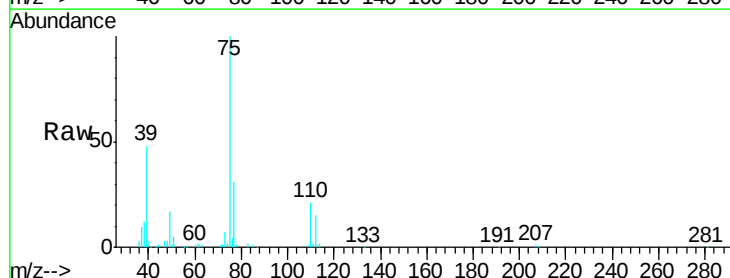
Tgt Ion: 75 Resp: 180115

Ion Ratio Lower Upper

75 100

77 31.2 24.6 37.0

39 48.5 37.4 56.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

120000

100000

80000

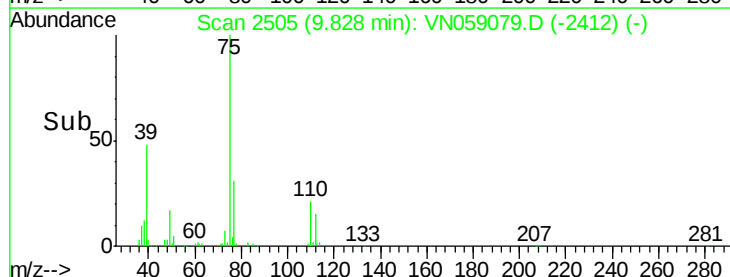
60000

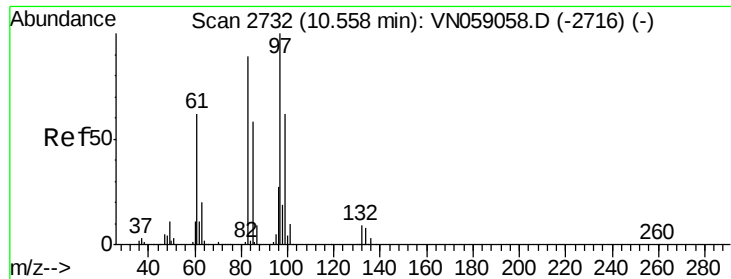
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 18.648 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

Tgt Ion: 97 Resp: 102766

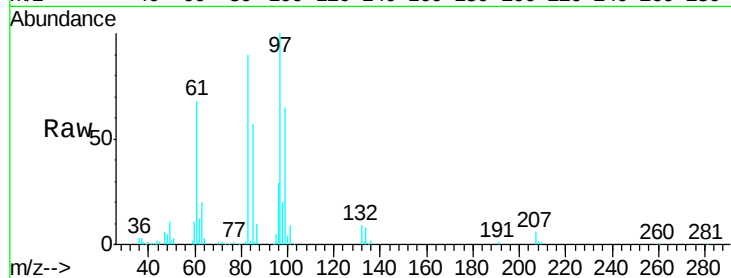
Ion Ratio Lower Upper

97 100

83 89.6 71.4 107.2

85 56.8 46.6 70.0

99 65.0 49.7 74.5



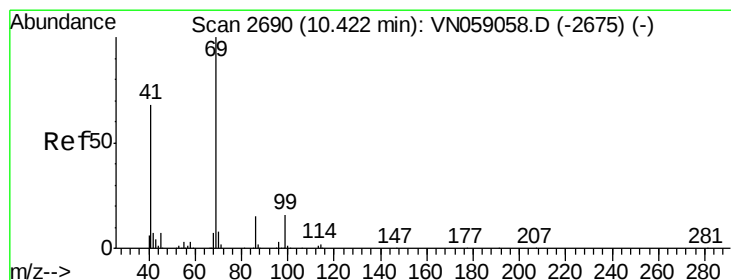
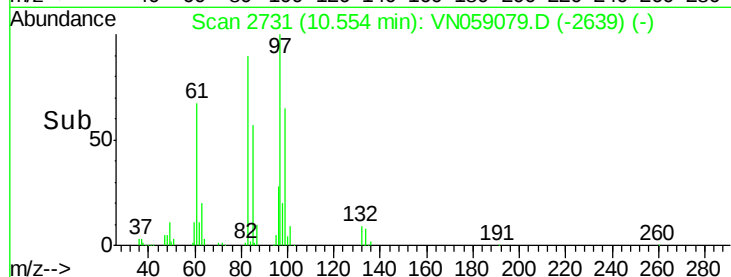
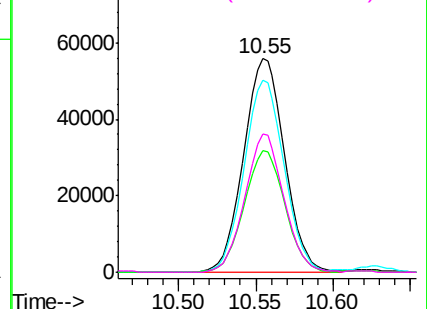
Abundance

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: 17.588 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

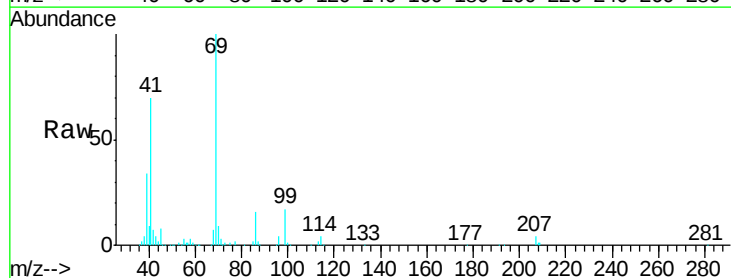
Tgt Ion: 69 Resp: 152794

Ion Ratio Lower Upper

69 100

41 69.1 53.8 80.8

39 34.1 26.2 39.2

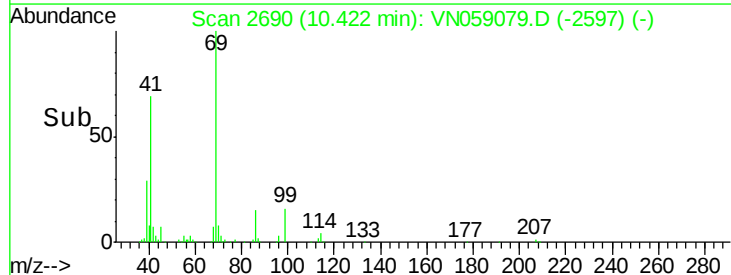
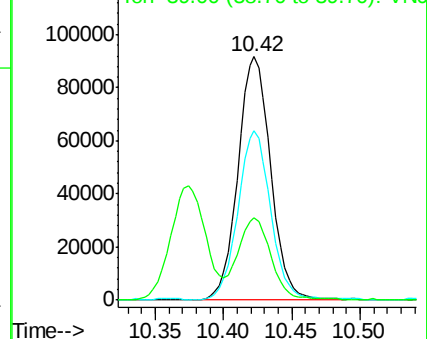


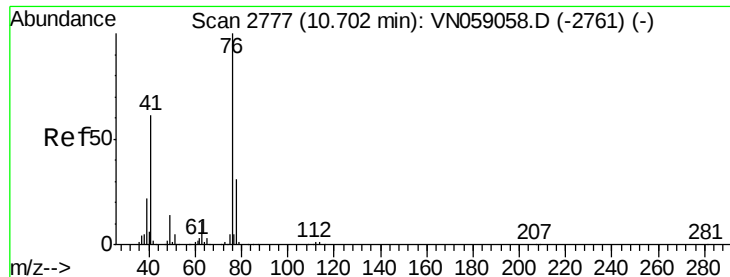
Abundance

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: 18.697 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

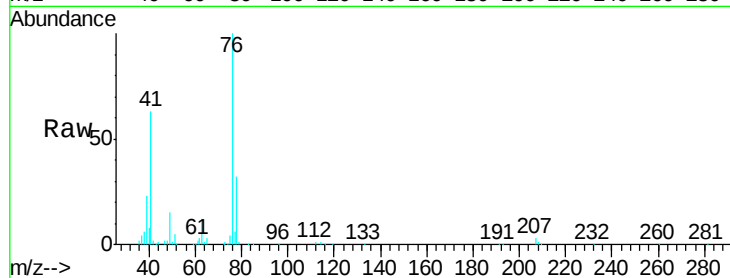
VN1104WBS02

Tgt Ion: 76 Resp: 179189

Ion Ratio Lower Upper

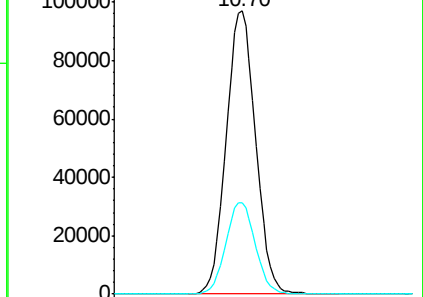
76 100

78 32.5 25.8 38.6

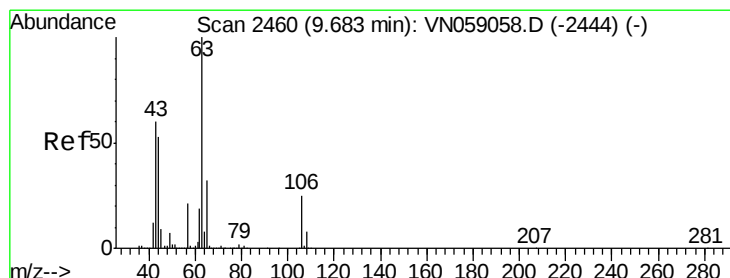
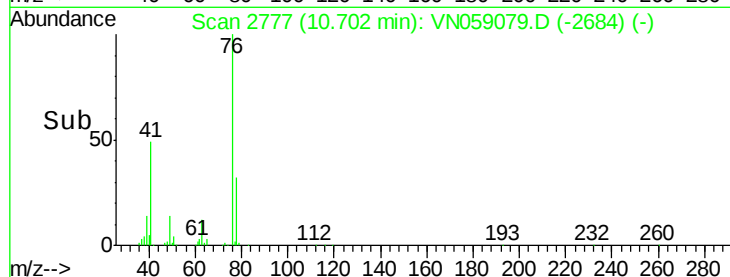


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 94.858 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059079.D

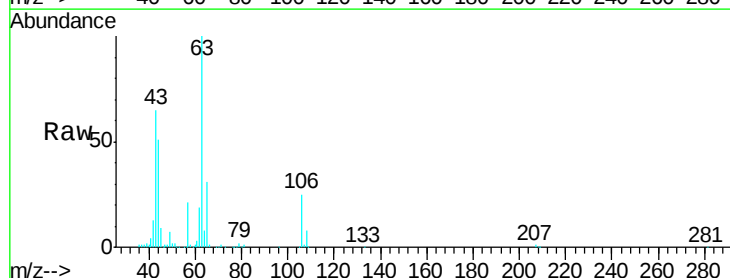
Acq: 4 Nov 2019 12:18

Tgt Ion: 63 Resp: 317095

Ion Ratio Lower Upper

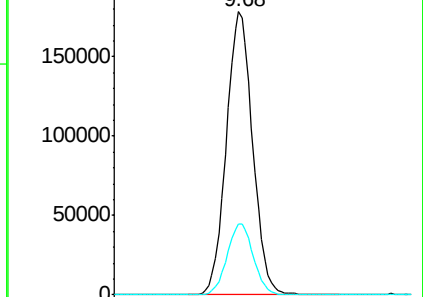
63 100

106 25.1 19.8 29.6

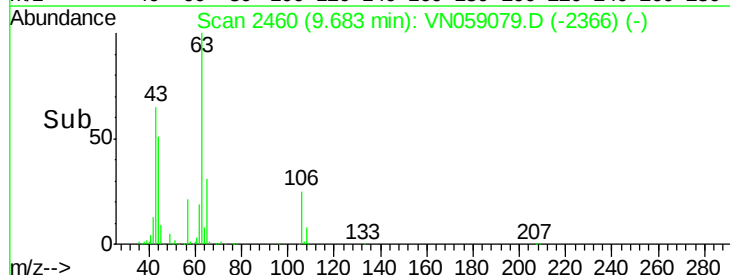


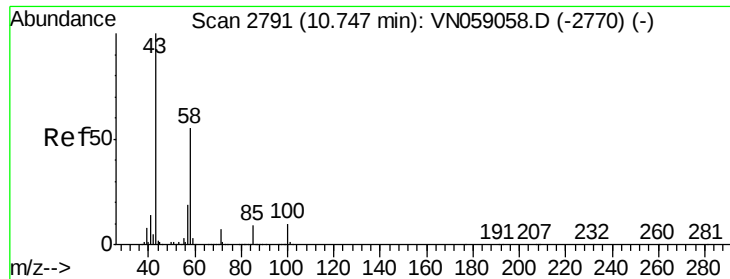
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time--> 9.60 9.70 9.80

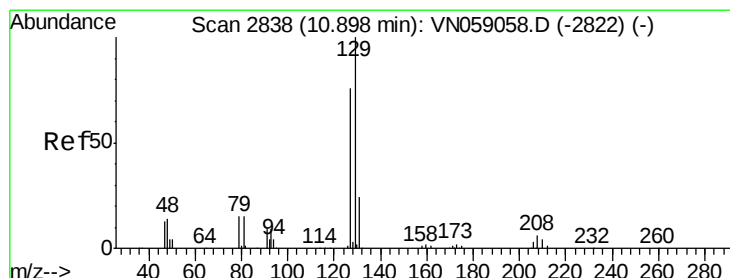
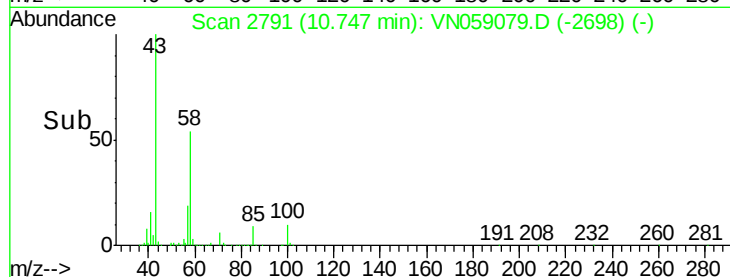
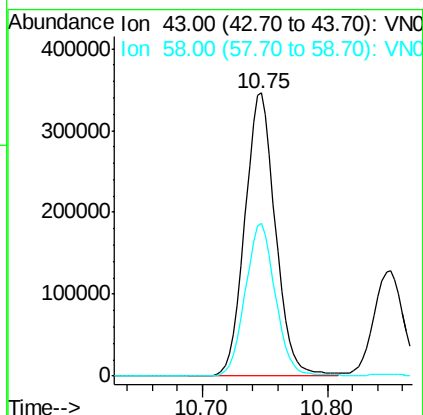
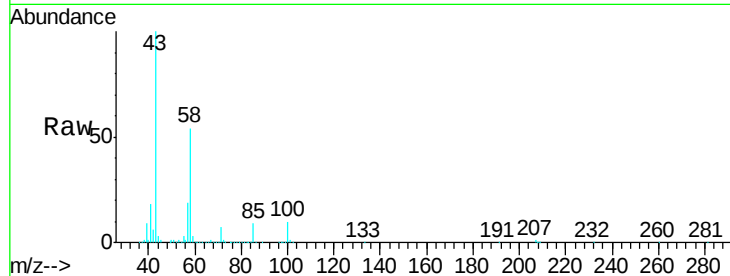




#59
2-Hexanone
Concen: 98.040 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

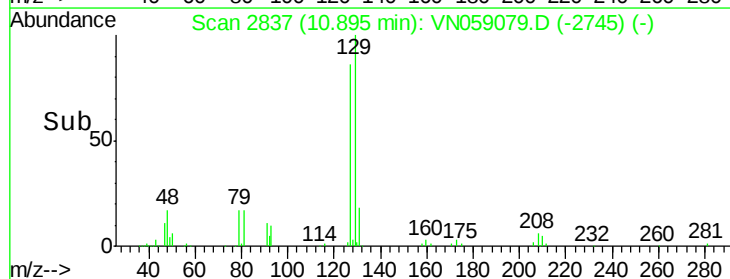
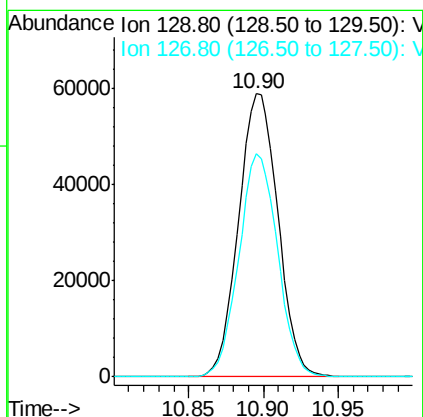
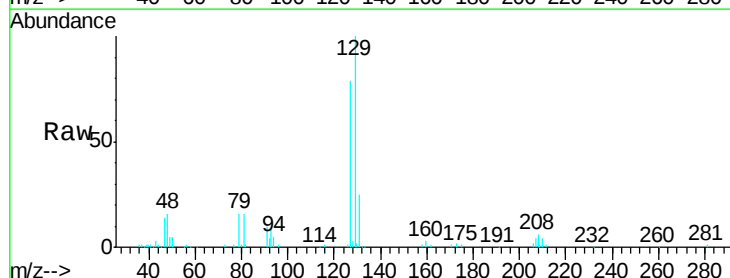
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

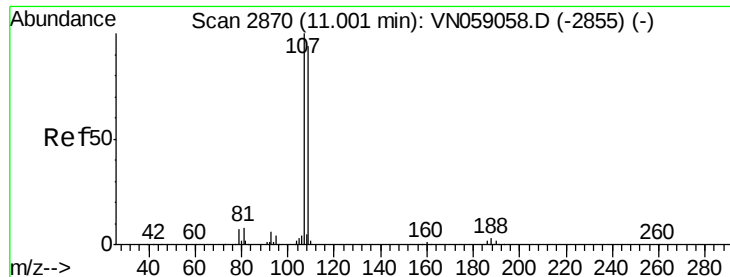
Tgt Ion: 43 Resp: 584881
Ion Ratio Lower Upper
43 100
58 53.6 27.4 82.2



#60
Dibromochloromethane
Concen: 18.213 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion: 129 Resp: 108169
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8

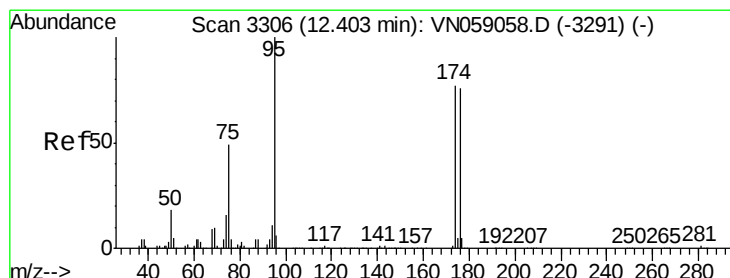
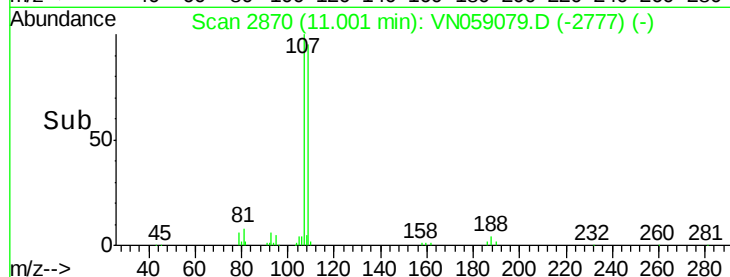
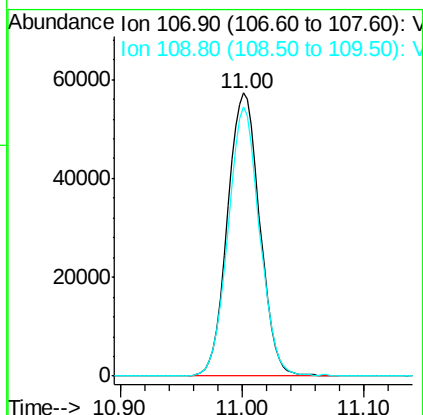
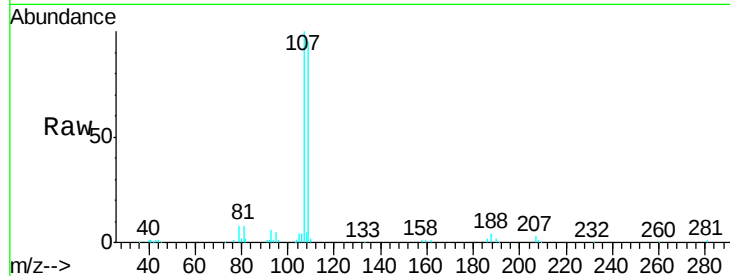




#61
 1,2-Dibromoethane
 Concen: 18.925 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

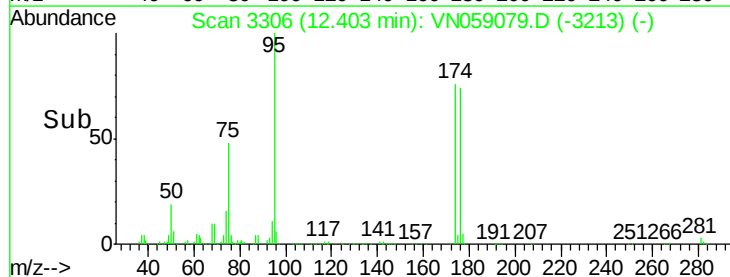
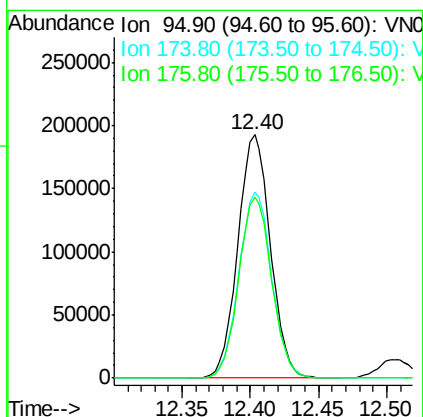
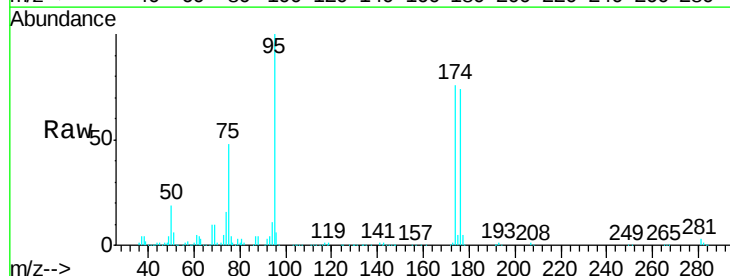
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

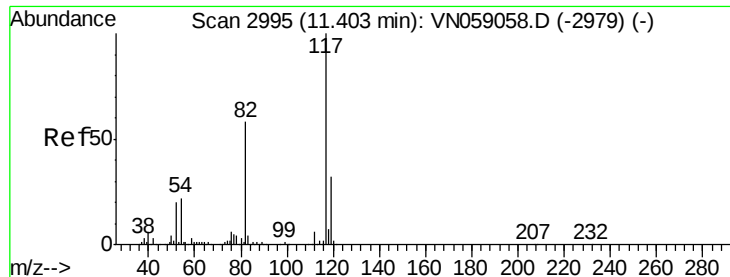
Tgt Ion: 107 Resp: 105658
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 45.142 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion: 95 Resp: 319038
 Ion Ratio Lower Upper
 95 100
 174 77.5 0.0 155.8
 176 75.2 0.0 151.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

VN1104WBS02

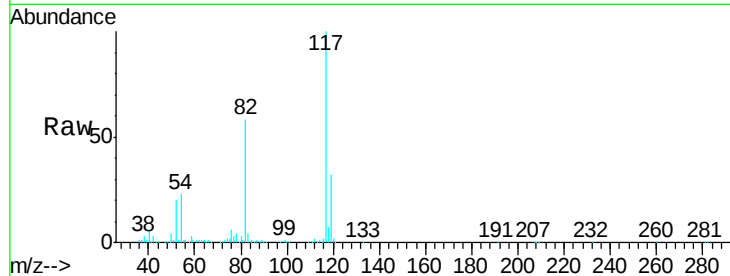
Tgt Ion:117 Resp: 695666

Ion Ratio Lower Upper

117 100

82 57.8 46.0 69.0

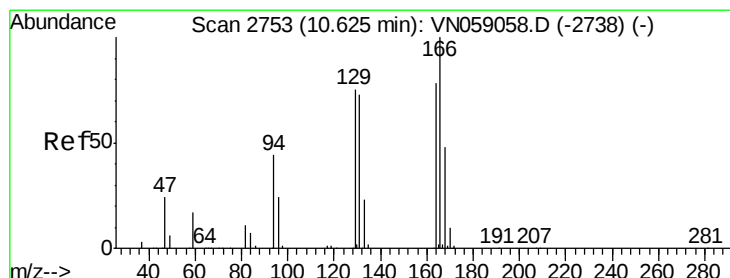
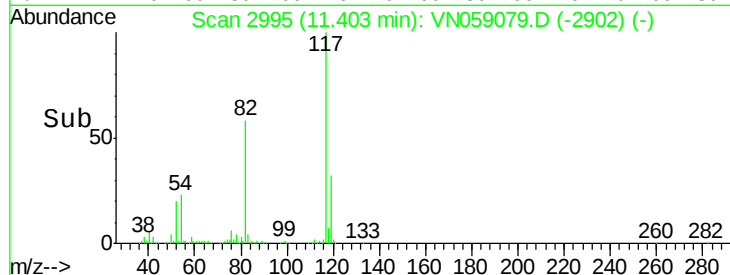
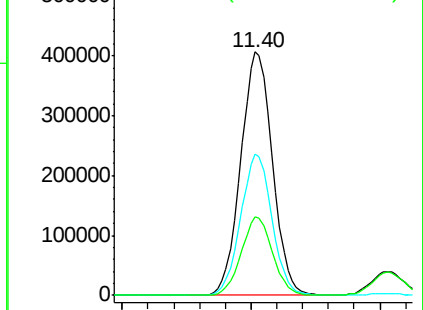
119 32.0 25.6 38.4



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: 19.395 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion:164 Resp: 94253

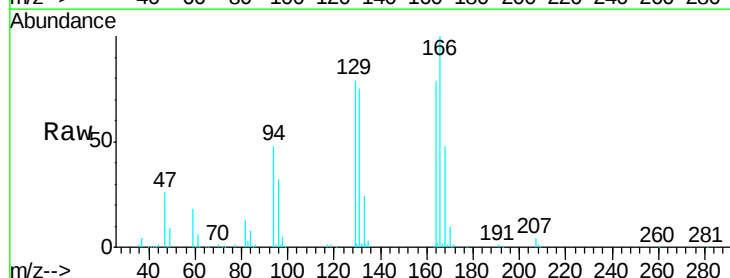
Ion Ratio Lower Upper

164 100

166 125.9 102.7 154.1

129 99.4 77.3 115.9

131 94.1 74.8 112.2

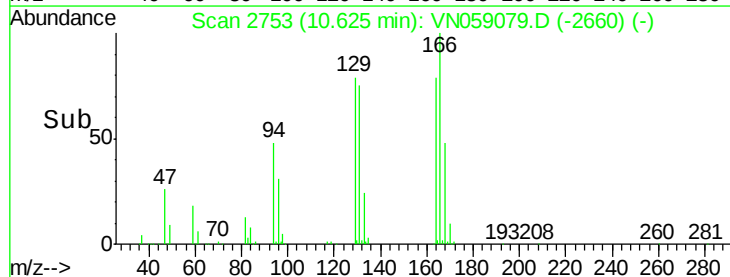
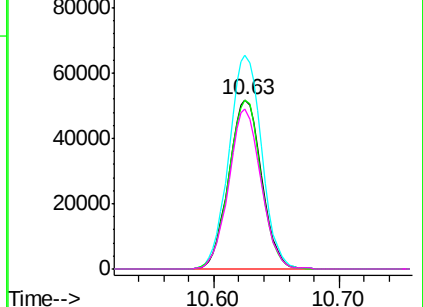


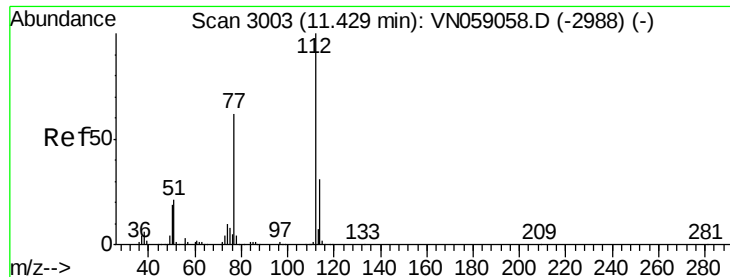
Abundance Ion 163.80 (163.50 to 164.50): V

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: 18.958 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

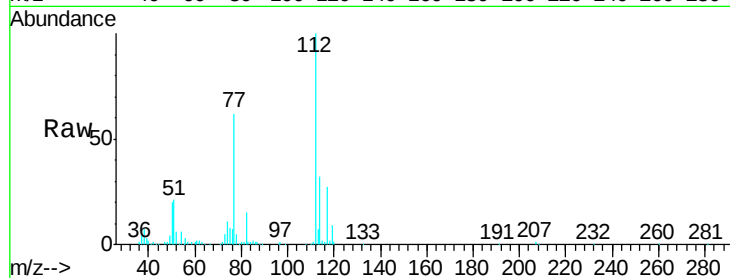
VN1104WBS02

Tgt Ion:112 Resp: 270687

Ion Ratio Lower Upper

112 100

114 31.5 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

150000

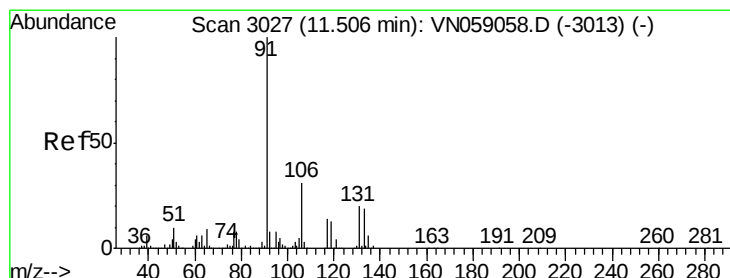
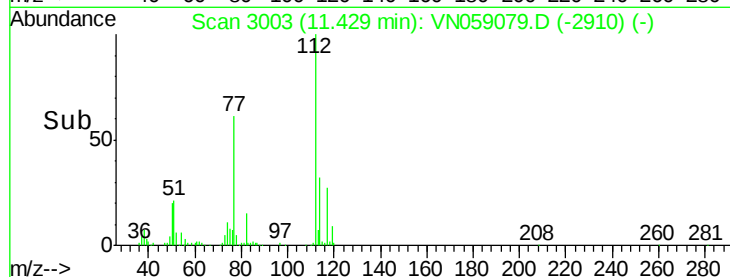
100000

50000

0

Time-->

11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 19.173 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

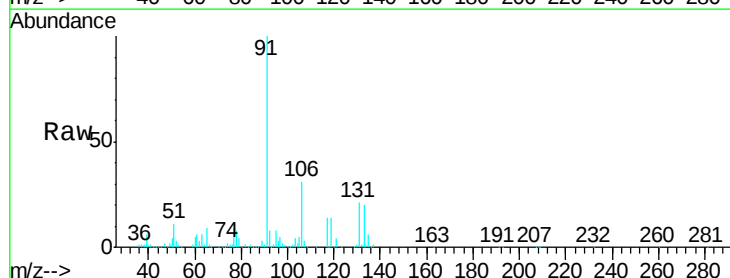
Tgt Ion:131 Resp: 100715

Ion Ratio Lower Upper

131 100

133 96.9 47.9 143.6

119 66.8 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

80000

60000

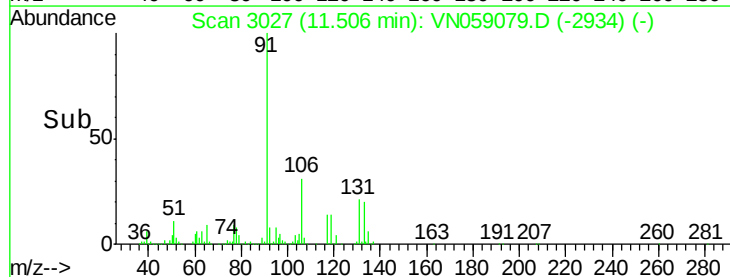
40000

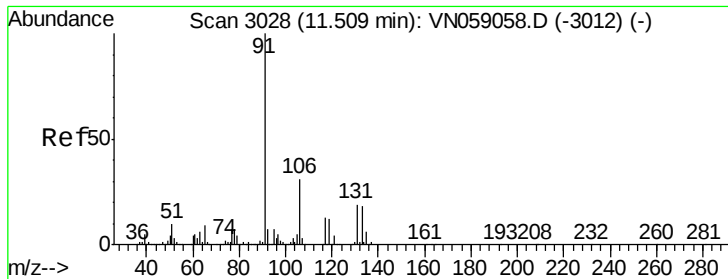
20000

0

Time-->

11.45 11.50 11.55





#67

Ethyl Benzene

Concen: 19.571 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

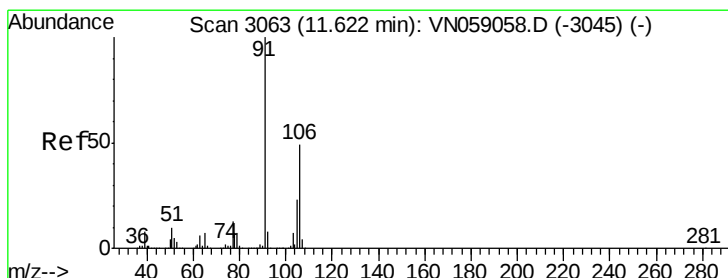
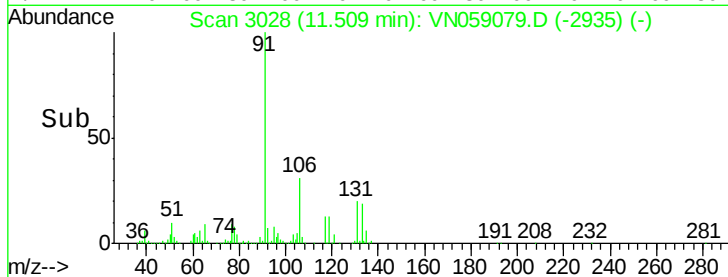
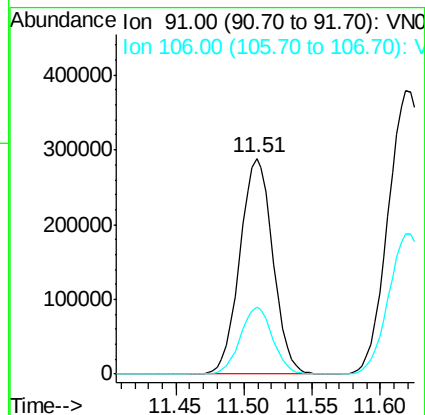
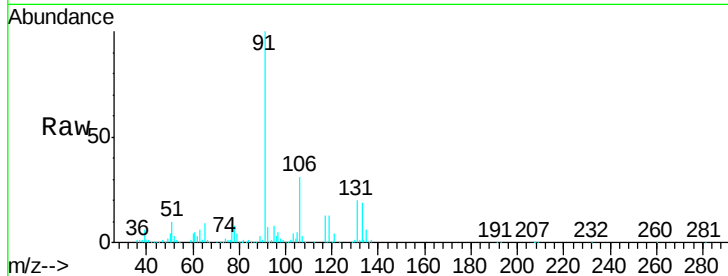
VN1104WBS02

Tgt Ion: 91 Resp: 483718

Ion Ratio Lower Upper

91 100

106 30.9 24.6 36.8



#68

m/p-Xylenes

Concen: 39.317 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059079.D

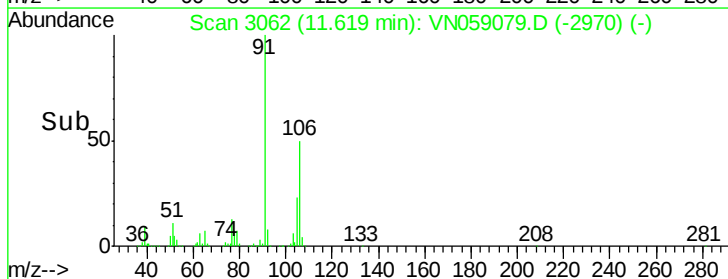
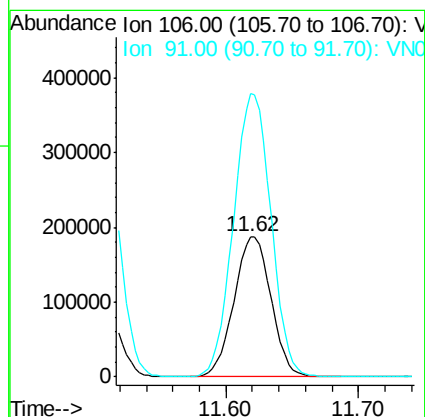
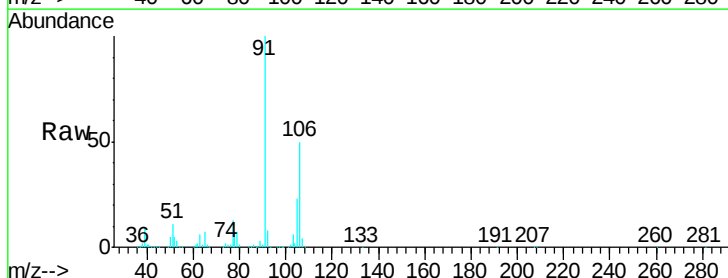
Acq: 4 Nov 2019 12:18

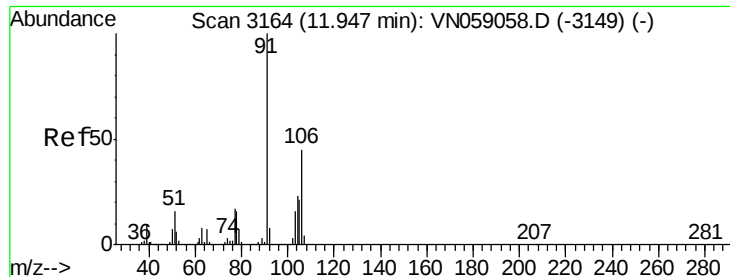
Tgt Ion: 106 Resp: 362872

Ion Ratio Lower Upper

106 100

91 204.4 165.7 248.5

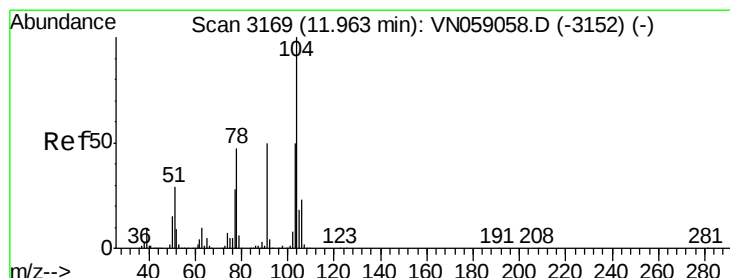
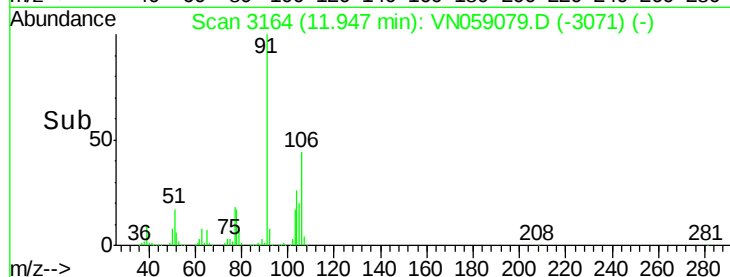
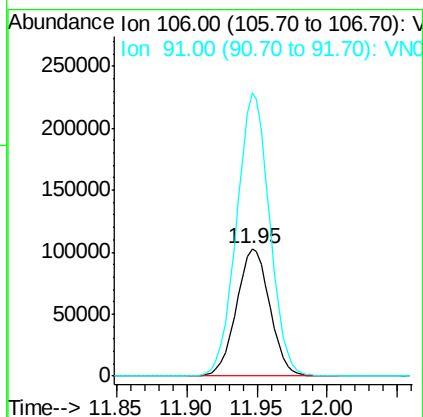
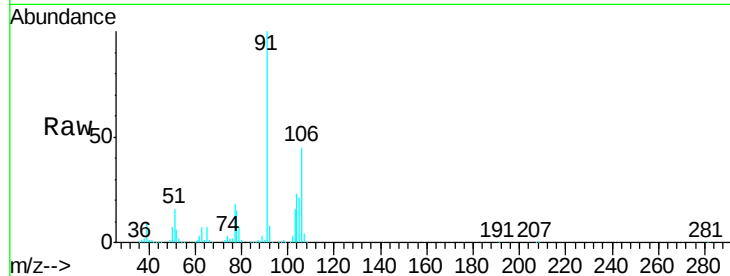




#69
o-Xylene
Concen: 19.323 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

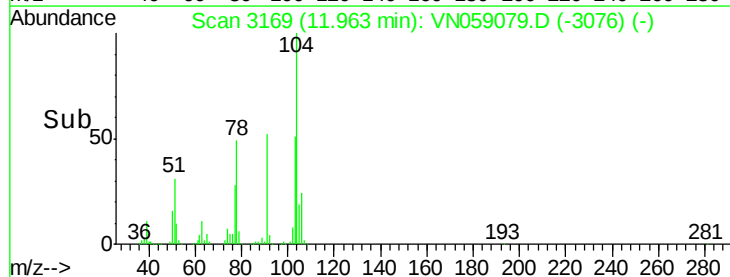
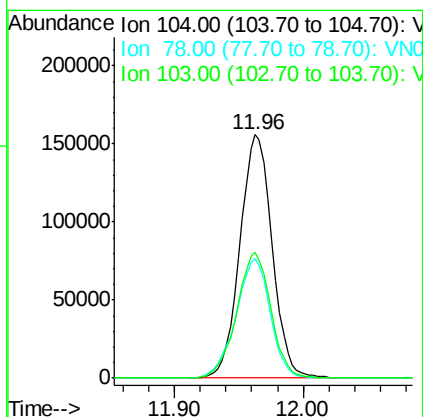
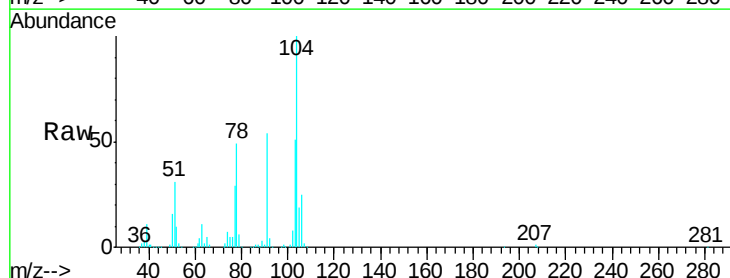
Instrument :
MSVOA_N
ClientSampled :
VN1104WBS02

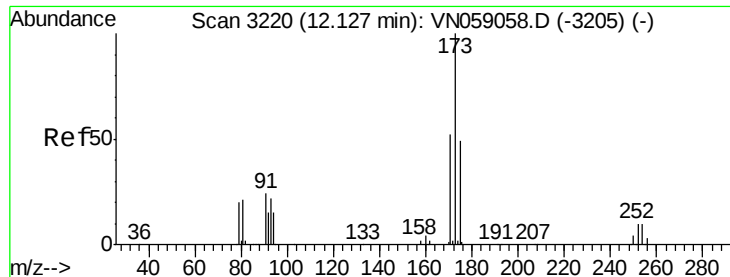
Tgt Ion:106 Resp: 170301
Ion Ratio Lower Upper
106 100
91 220.3 110.4 331.2



#70
Styrene
Concen: 18.994 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion:104 Resp: 271275
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 54.8 43.9 65.9





#71

Bromoform

Concen: 18.678 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

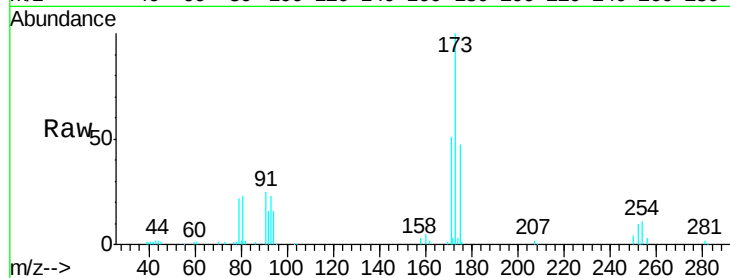
Tgt Ion:173 Resp: 75946

Ion Ratio Lower Upper

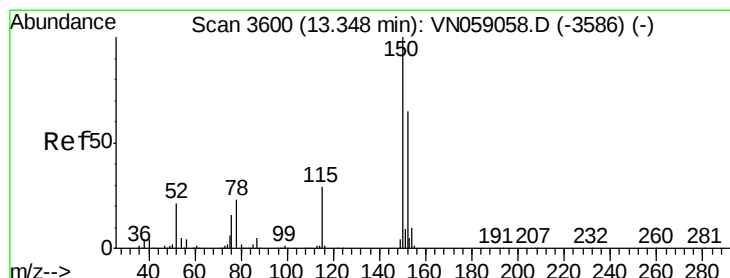
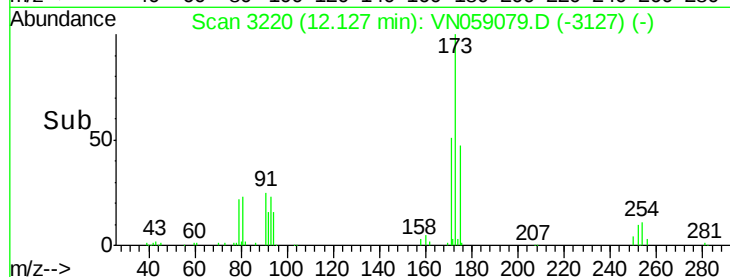
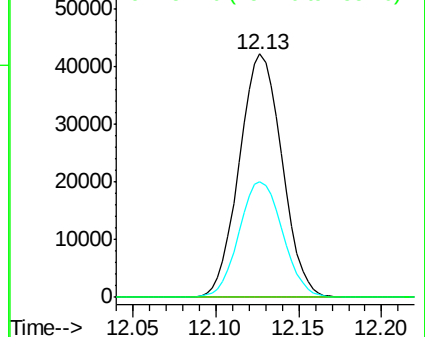
173 100

175 48.5 24.4 73.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

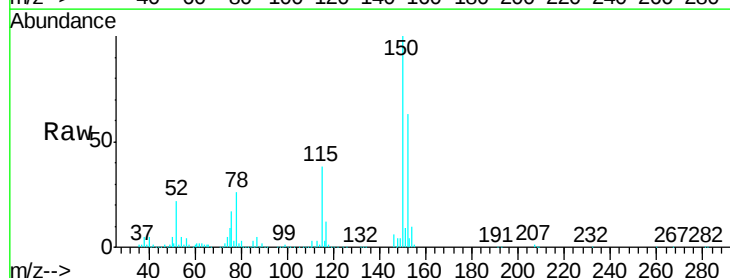
Tgt Ion:152 Resp: 313237

Ion Ratio Lower Upper

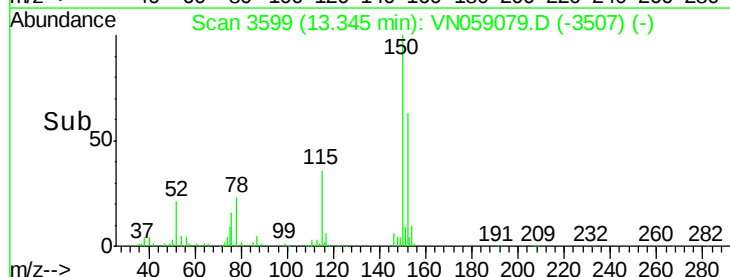
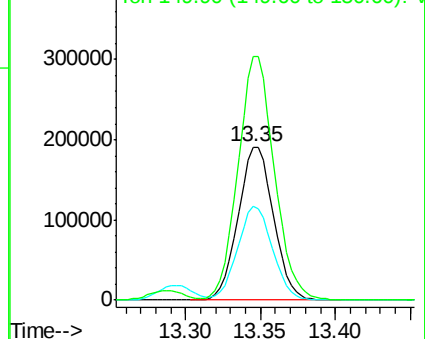
152 100

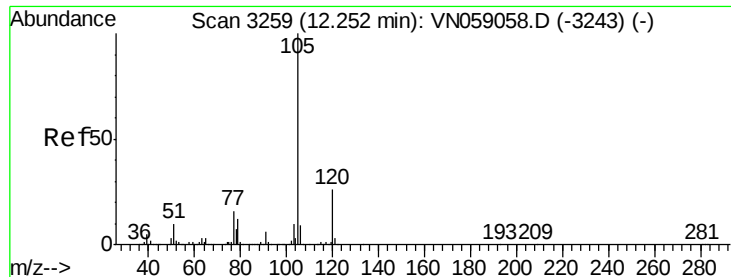
115 60.7 29.6 88.9

150 164.2 0.0 345.8



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





#73

Isopropylbenzene

Concen: 20.174 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

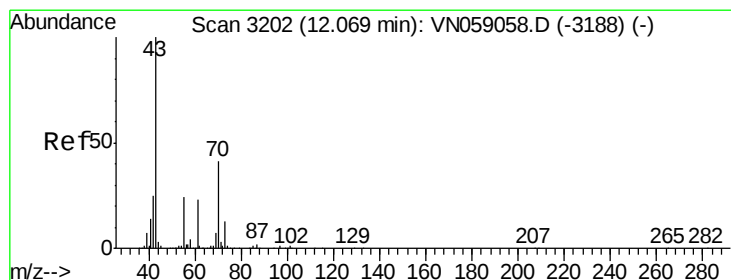
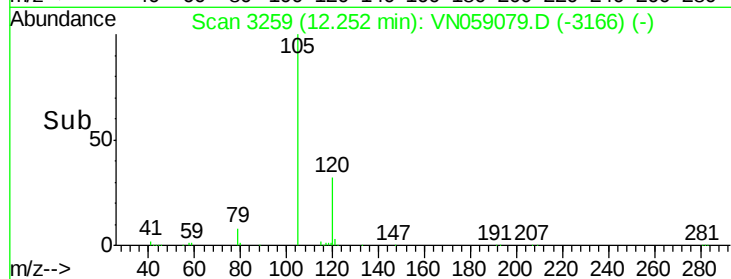
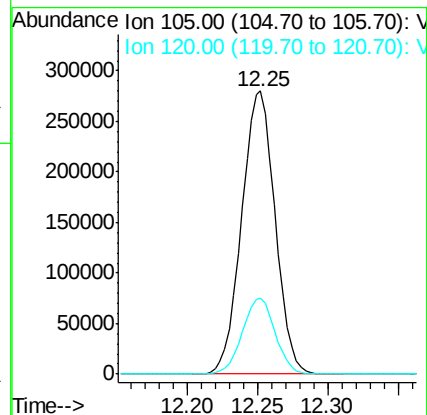
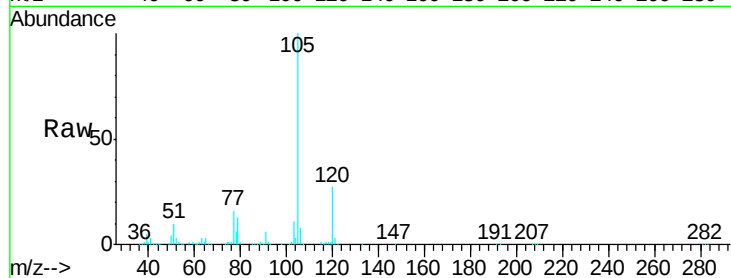
VN1104WBS02

Tgt Ion:105 Resp: 464894

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1



#74

N-ethyl acetate

Concen: 18.785 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion: 43 Resp: 192563

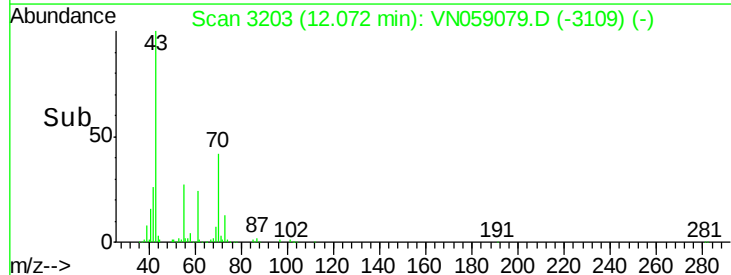
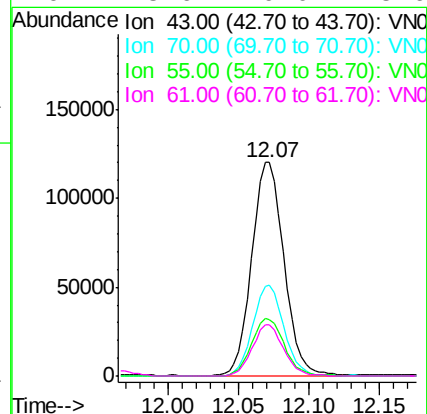
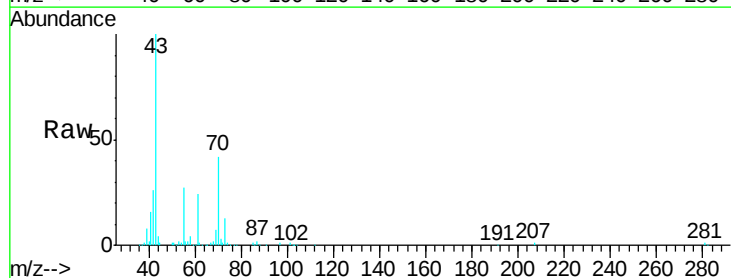
Ion Ratio Lower Upper

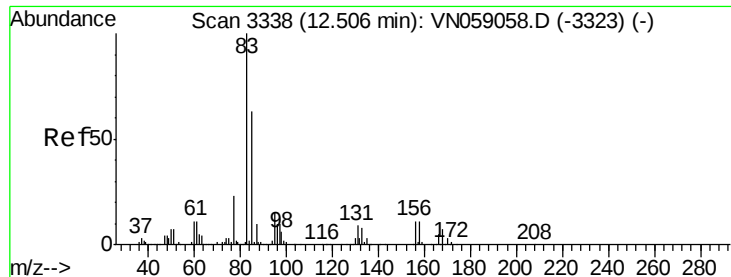
43 100

70 41.4 32.6 49.0

55 27.3 19.7 29.5

61 23.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.107 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

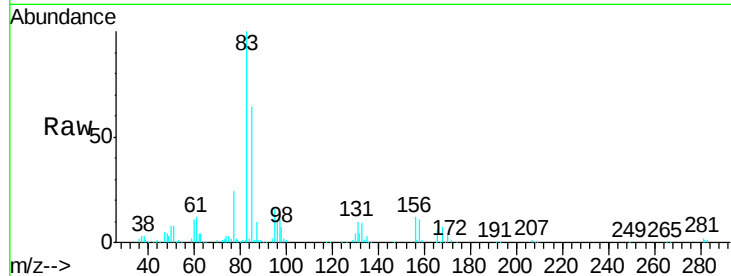
Tgt Ion: 83 Resp: 156847

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

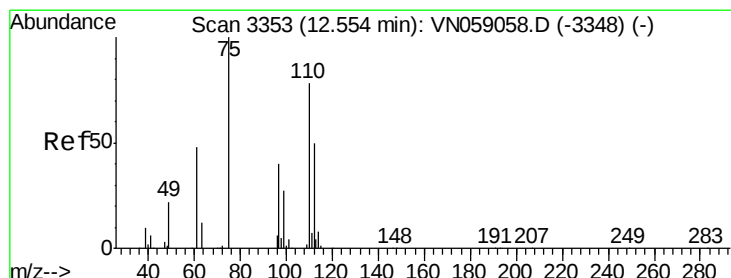
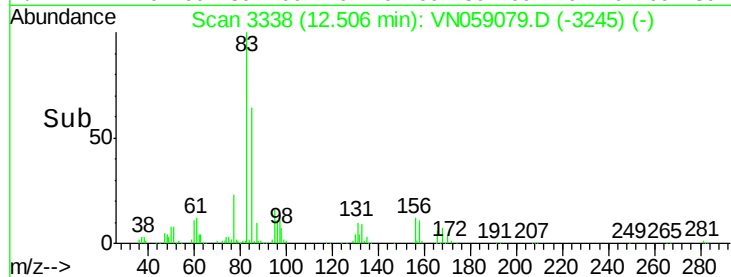
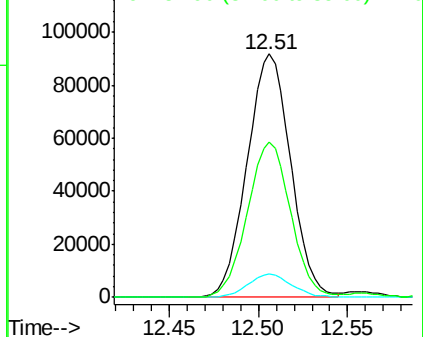
85 63.3 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN059079.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059079.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059079.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 27.788 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN059079.D

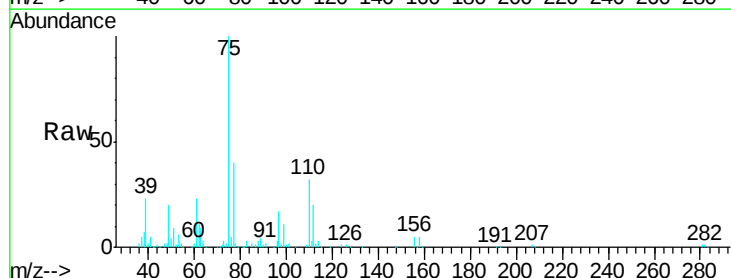
Acq: 4 Nov 2019 12:18

Tgt Ion: 75 Resp: 205977

Ion Ratio Lower Upper

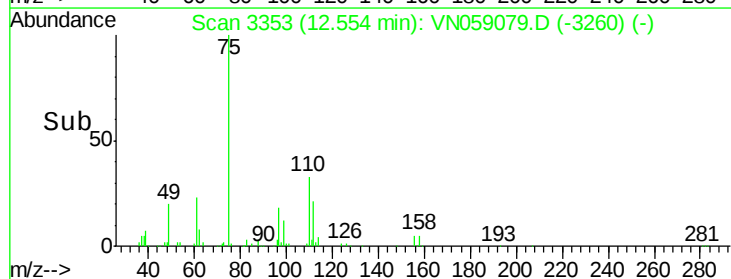
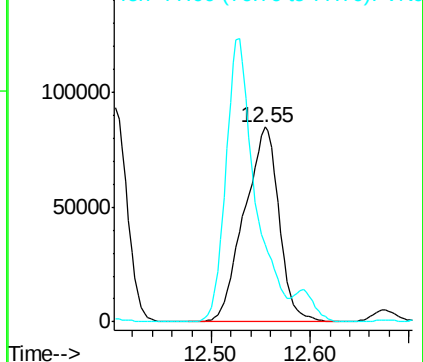
75 100

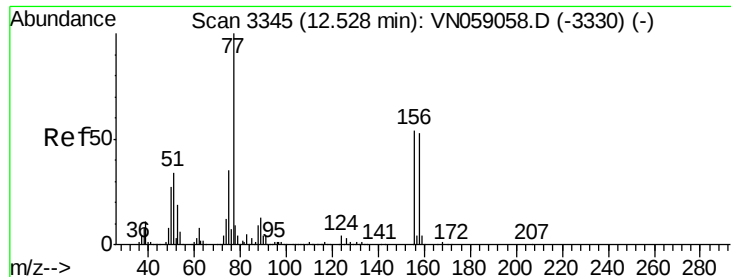
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059079.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN059079.D (-3260) (-)





#77

Bromobenzene

Concen: 19.345 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

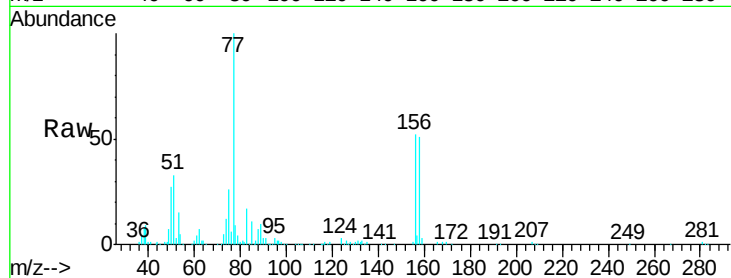
Tgt Ion:156 Resp: 111464

Ion Ratio Lower Upper

156 100

77 231.6 114.2 342.6

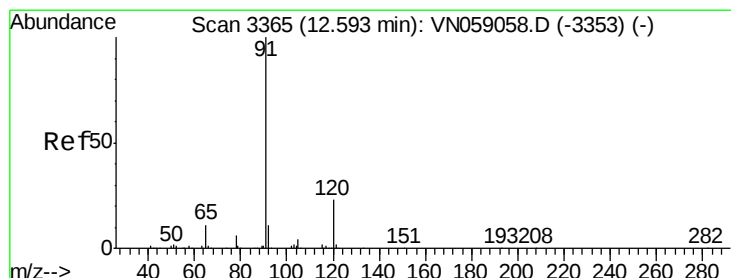
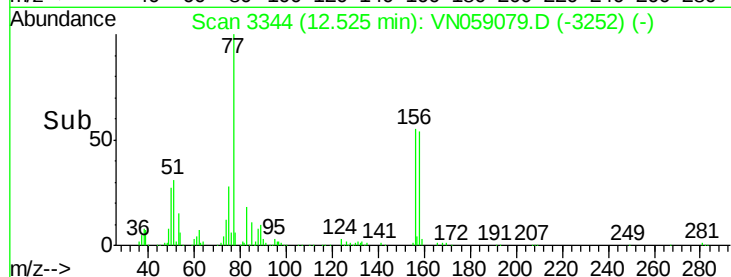
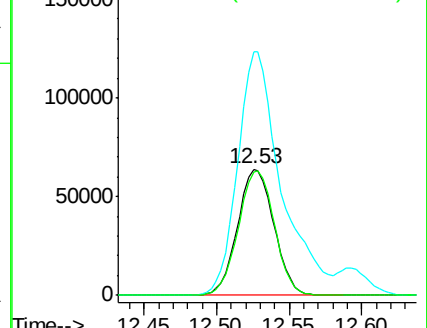
158 97.7 49.6 149.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.369 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN059079.D

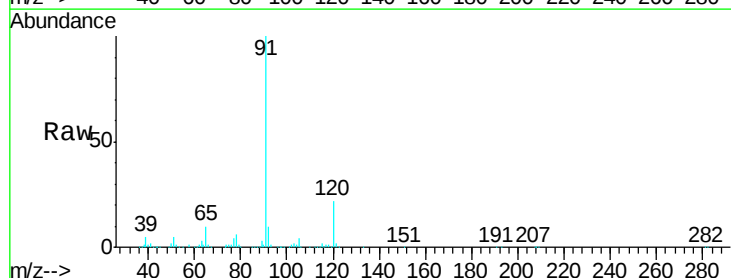
Acq: 4 Nov 2019 12:18

Tgt Ion: 91 Resp: 543646

Ion Ratio Lower Upper

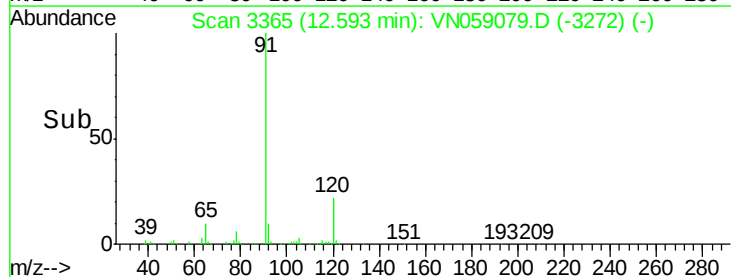
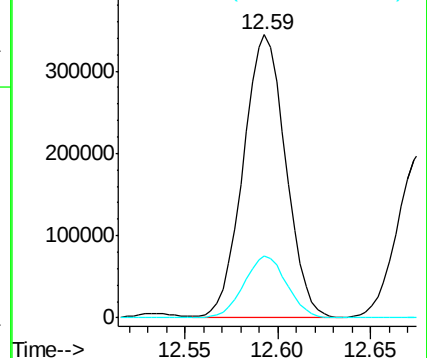
91 100

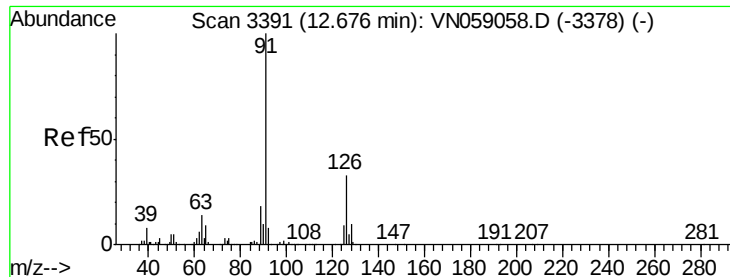
120 22.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.770 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

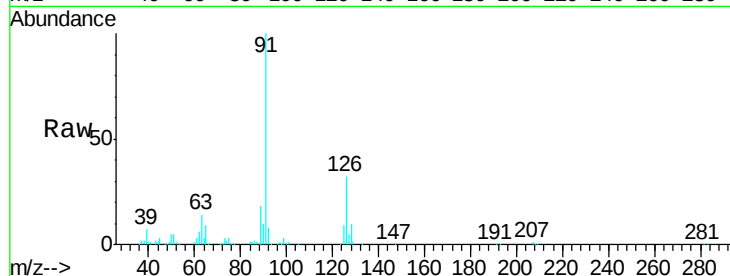
VN1104WBS02

Tgt Ion: 91 Resp: 327637

Ion Ratio Lower Upper

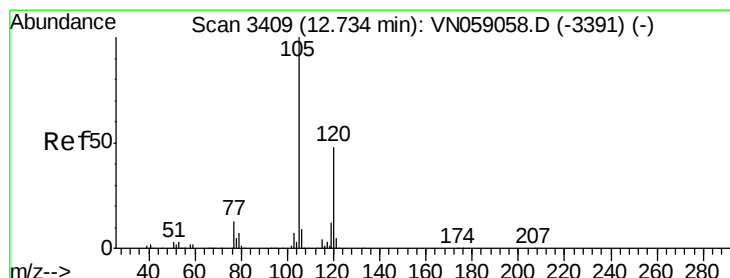
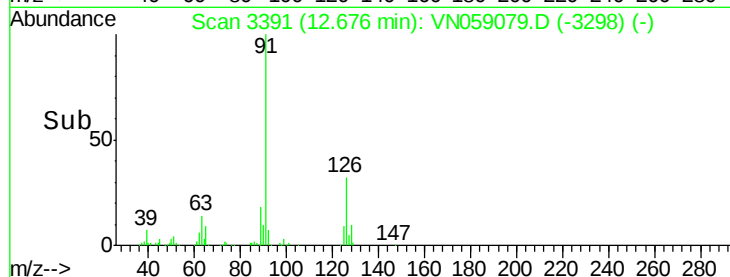
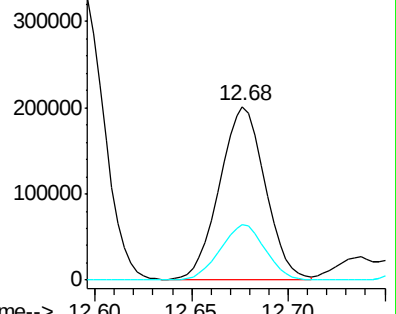
91 100

126 32.1 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN059058.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059058.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.871 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059079.D

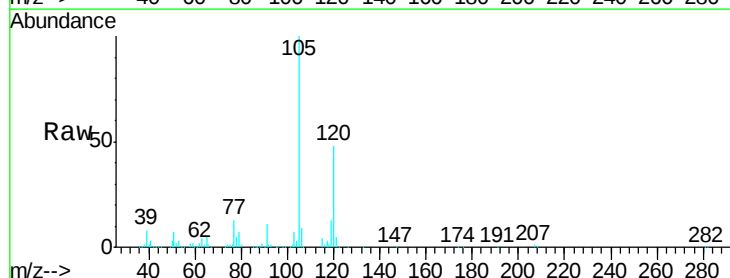
Acq: 4 Nov 2019 12:18

Tgt Ion: 105 Resp: 389167

Ion Ratio Lower Upper

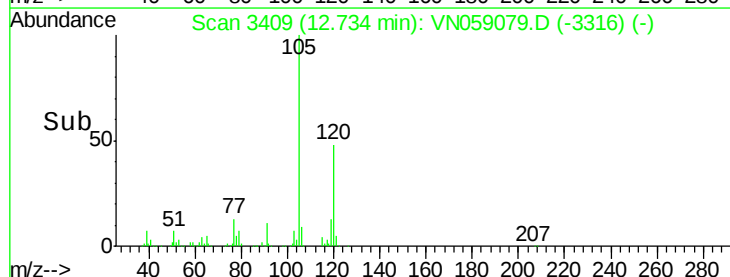
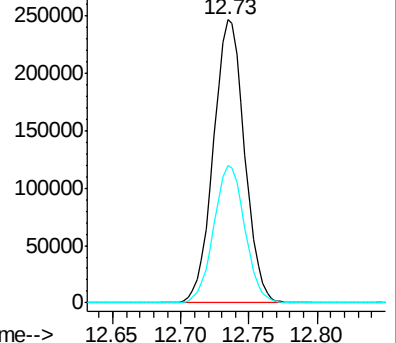
105 100

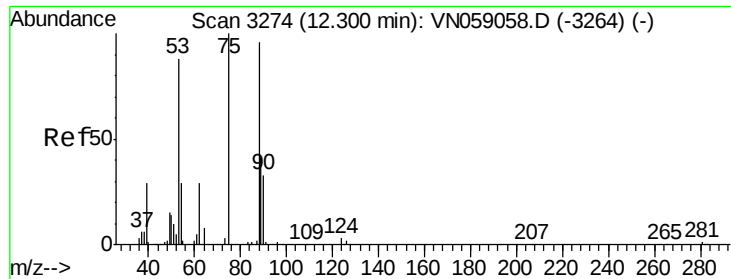
120 48.6 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN059058.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN059058.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.819 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

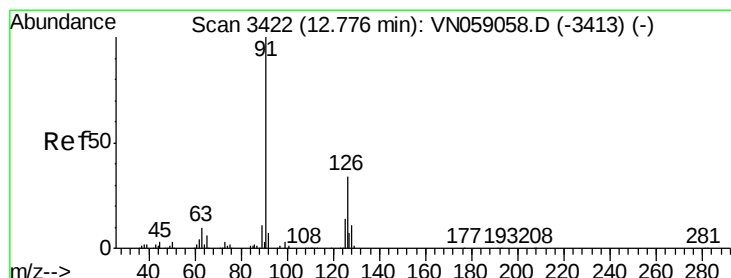
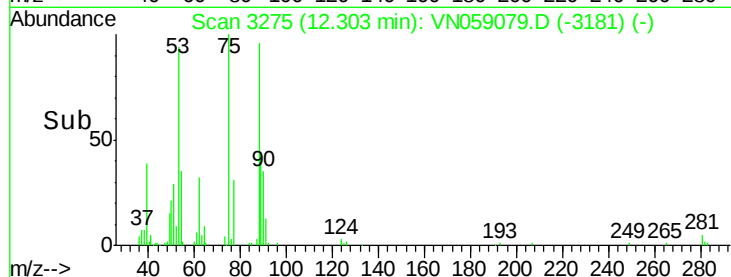
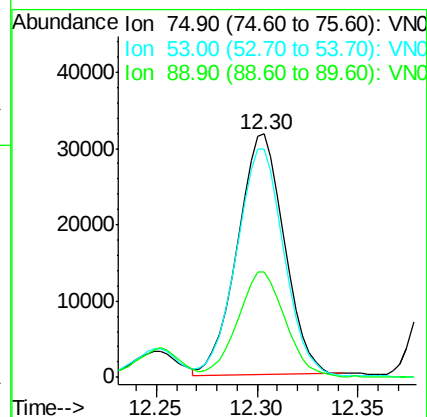
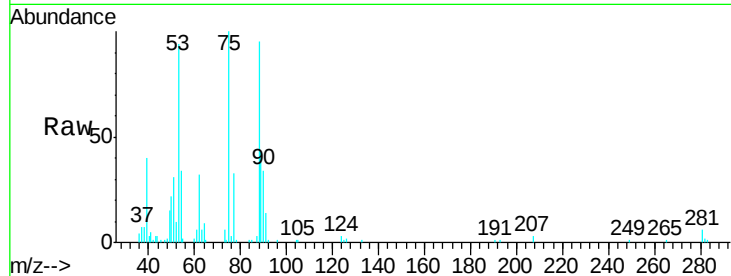
Tgt Ion: 75 Resp: 51524

Ion Ratio Lower Upper

75 100

53 95.7 70.4 105.6

89 44.4 34.2 51.2



#82

4-Chlorotoluene

Concen: 19.239 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN059079.D

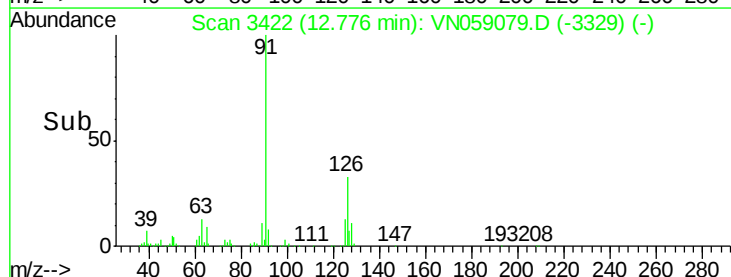
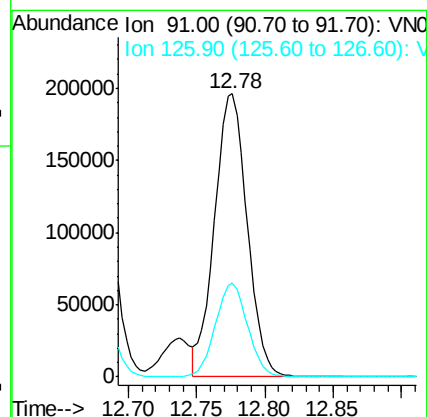
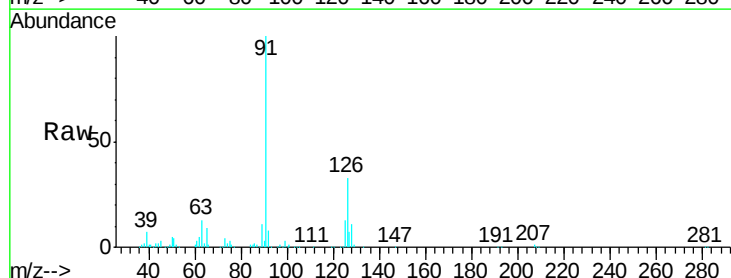
Acq: 4 Nov 2019 12:18

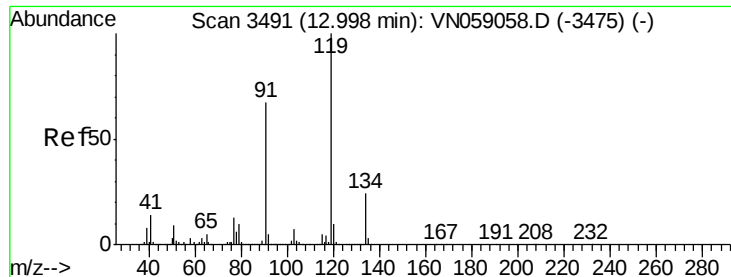
Tgt Ion: 91 Resp: 325391

Ion Ratio Lower Upper

91 100

126 32.6 16.0 47.9

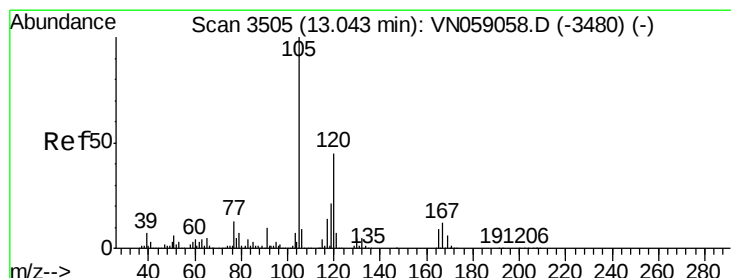
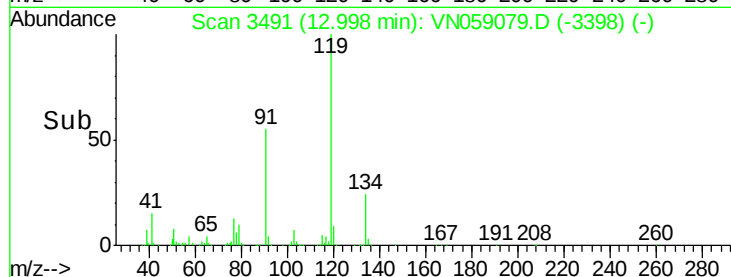
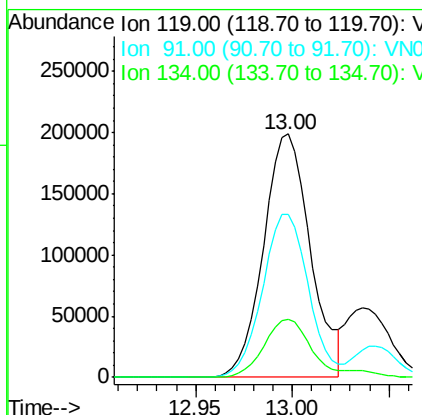
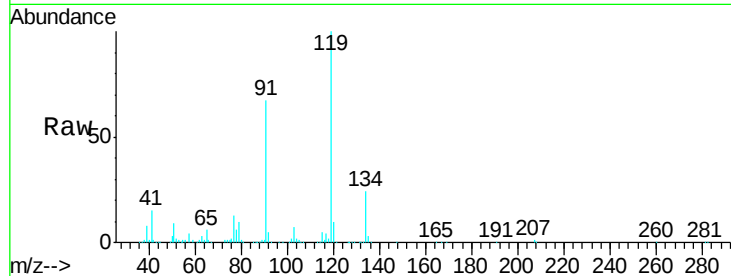




#83
 tert-Butylbenzene
 Concen: 20.163 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

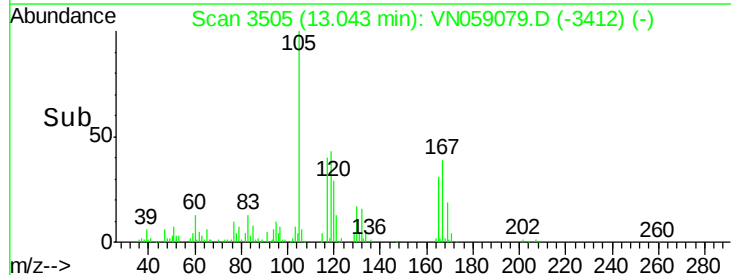
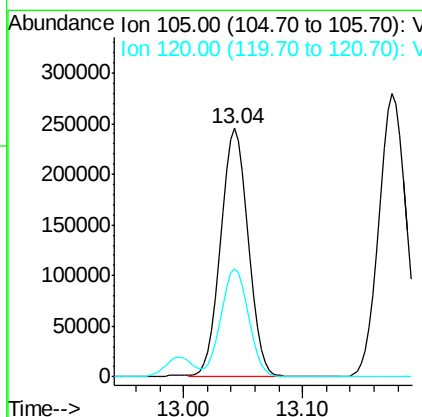
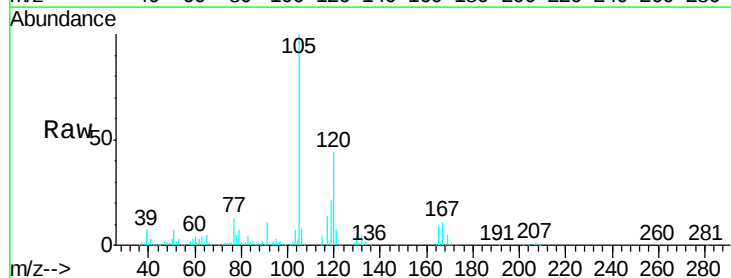
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

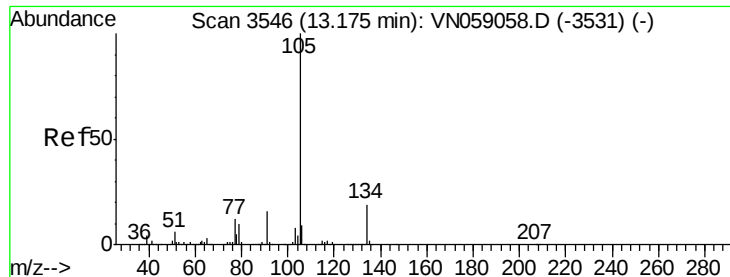
Tgt Ion:119 Resp: 335462
 Ion Ratio Lower Upper
 119 100
 91 65.4 33.7 101.0
 134 25.6 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.624 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion:105 Resp: 392481
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.3 66.9

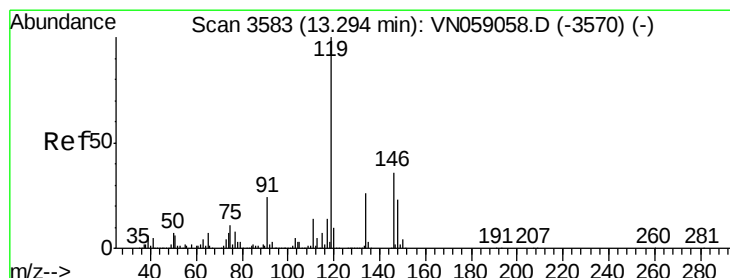
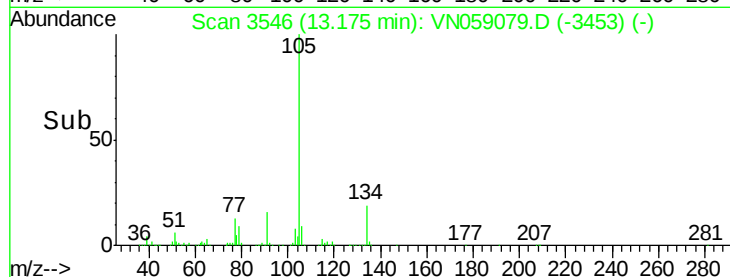
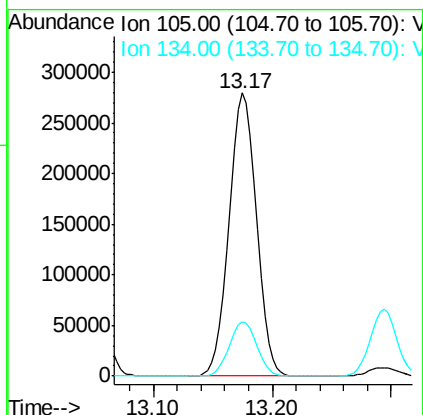
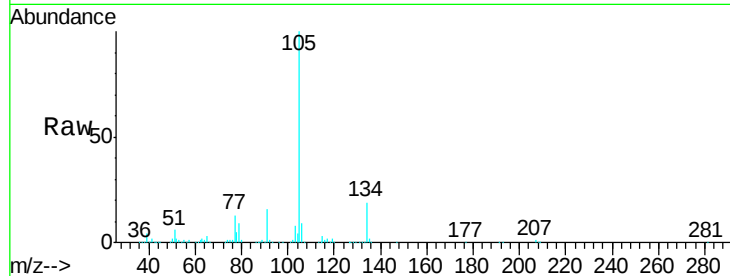




#85
 sec-Butylbenzene
 Concen: 20.476 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

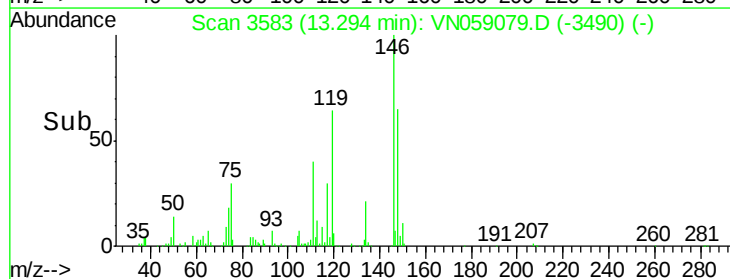
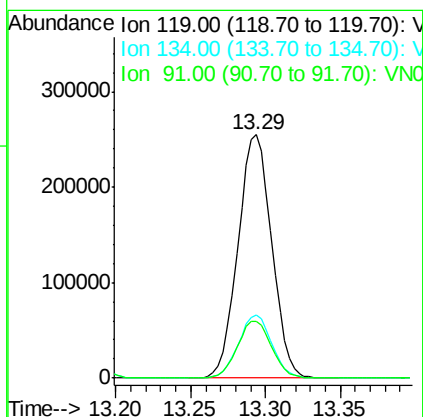
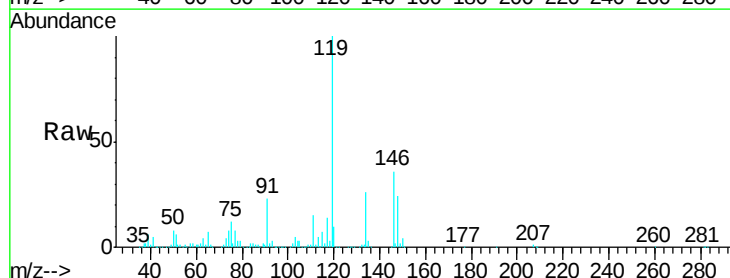
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

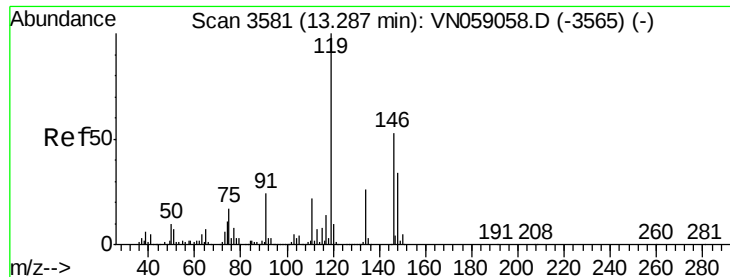
Tgt Ion:105 Resp: 446470
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 20.291 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion:119 Resp: 398890
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 39.0
 91 23.9 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 19.004 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

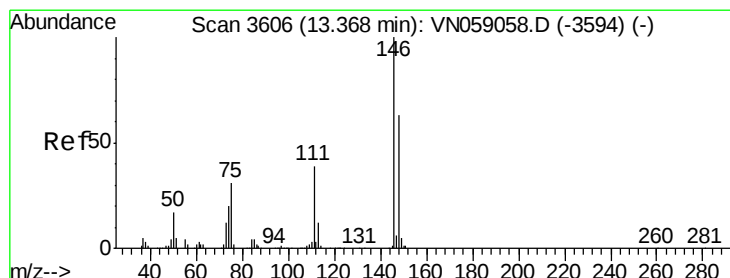
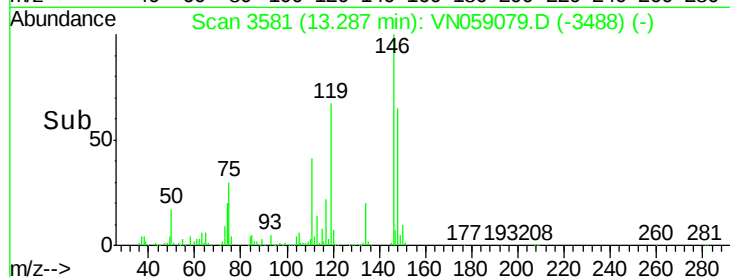
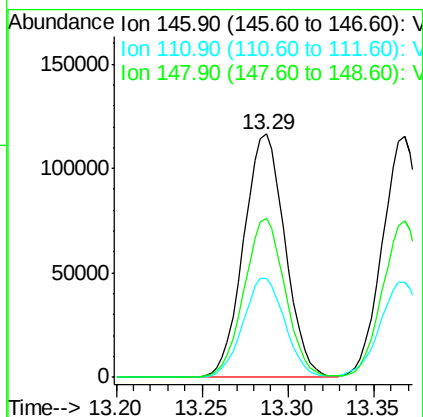
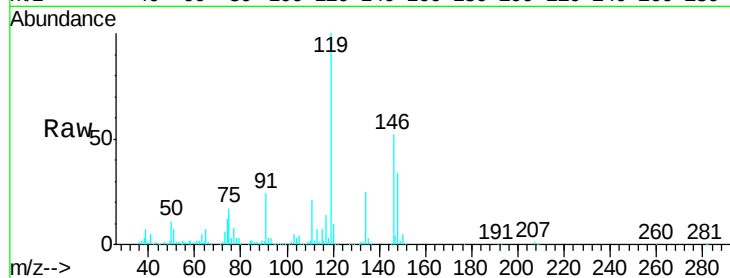
Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

Tgt Ion:	146	Resp:	194550
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.5
148	64.5	31.8	95.3



#88

1,4-Dichlorobenzene

Concen: 19.020 ug/l

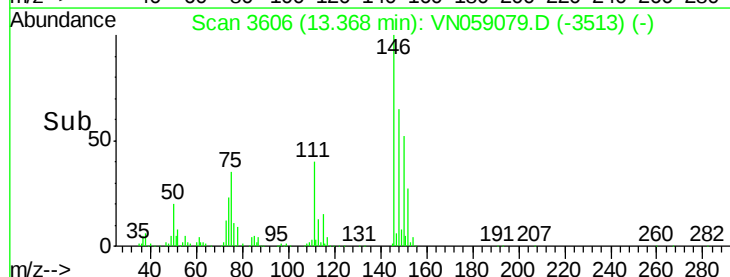
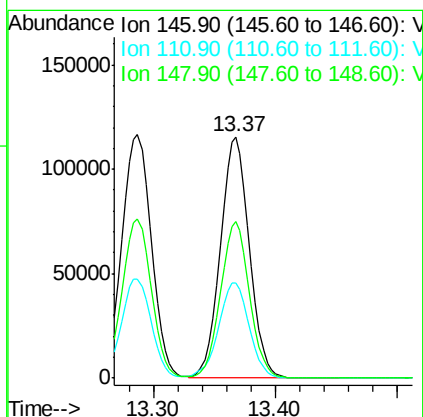
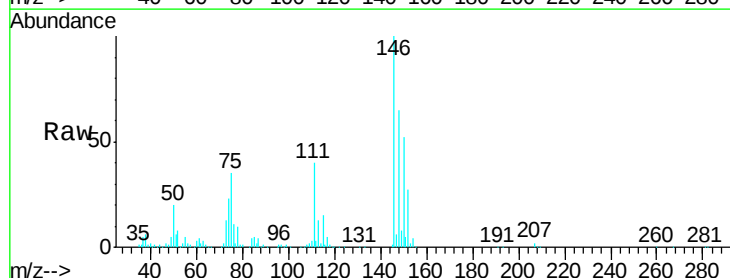
RT: 13.37 min Scan# 3606

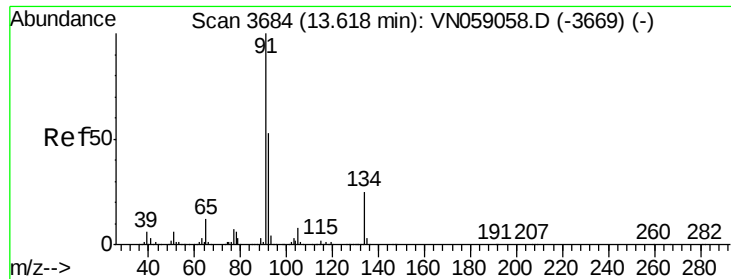
Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion:	146	Resp:	192609
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.1	60.2
148	64.3	31.9	95.7

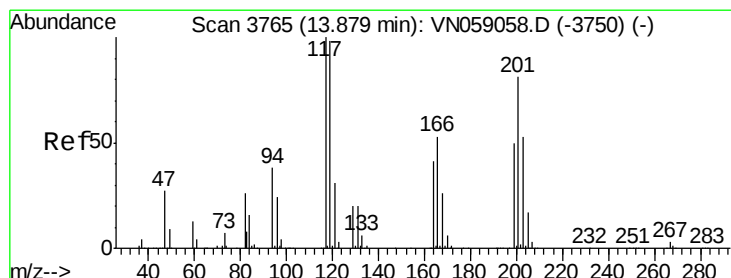
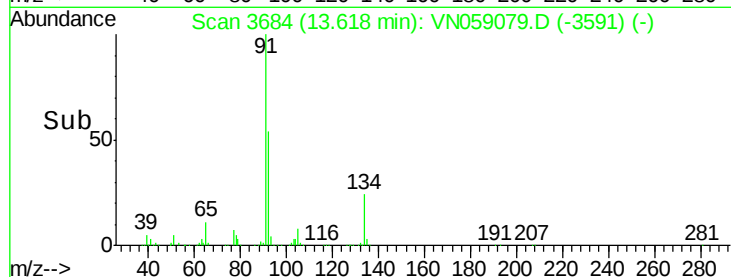
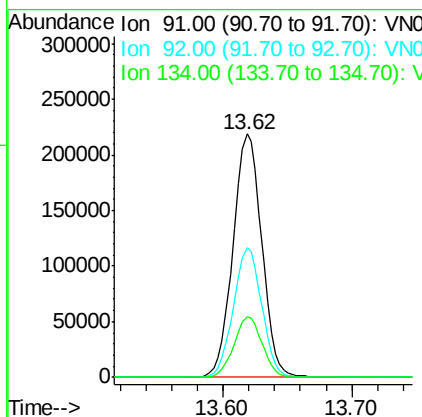
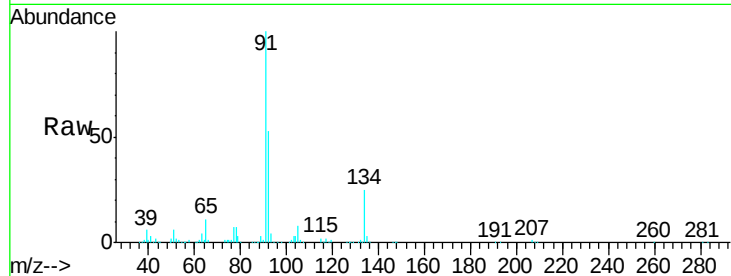




#89
n-Butylbenzene
Concen: 19.794 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

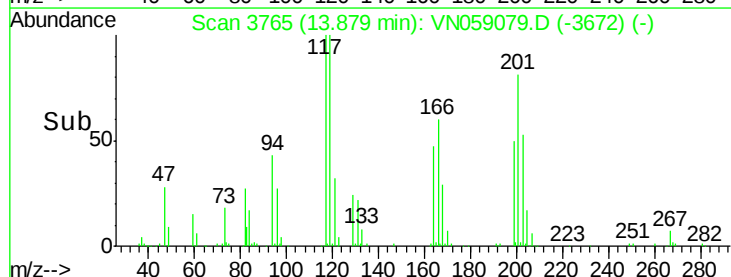
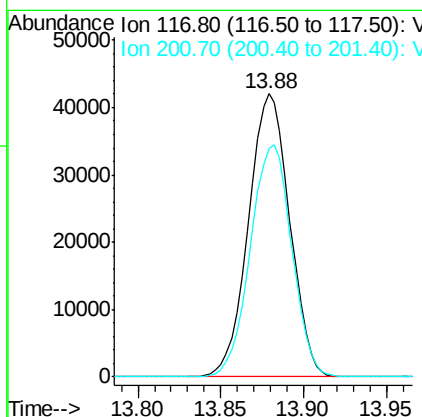
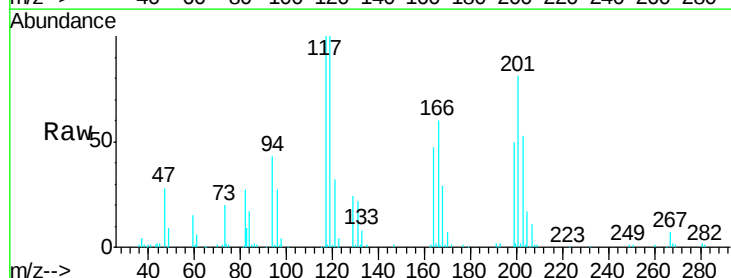
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

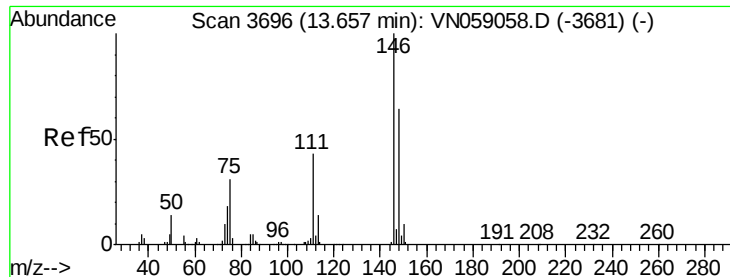
Tgt Ion: 91 Resp: 339053
Ion Ratio Lower Upper
91 100
92 52.6 26.4 79.0
134 24.4 12.5 37.5



#90
Hexachloroethane
Concen: 18.546 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion: 117 Resp: 72474
Ion Ratio Lower Upper
117 100
201 82.6 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 19.109 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

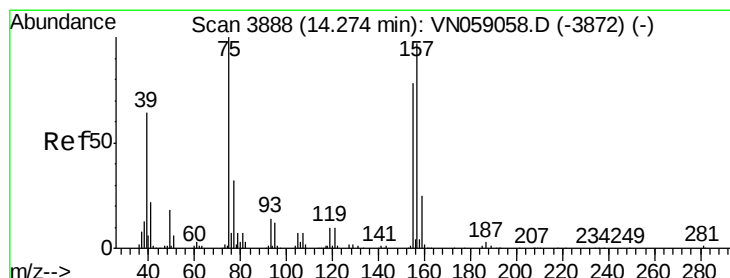
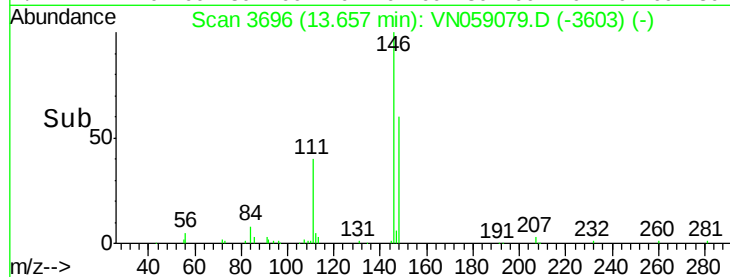
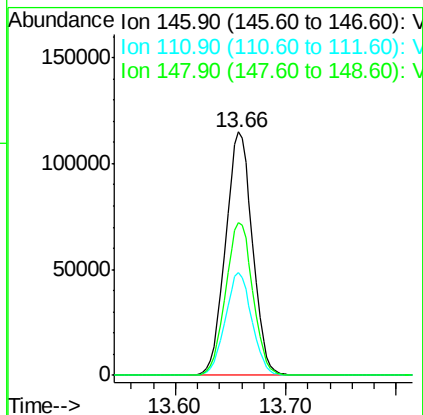
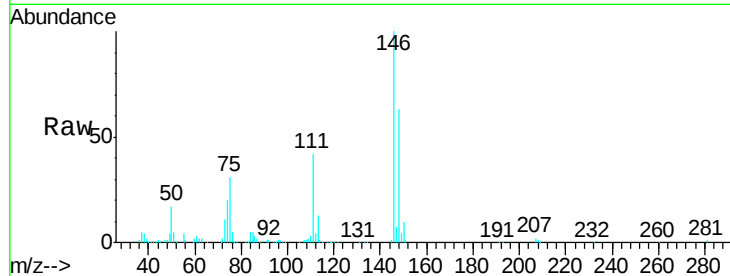
Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS02

Tgt Ion:	146	Resp:	194657
Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	63.6	32.1	96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.829 ug/l

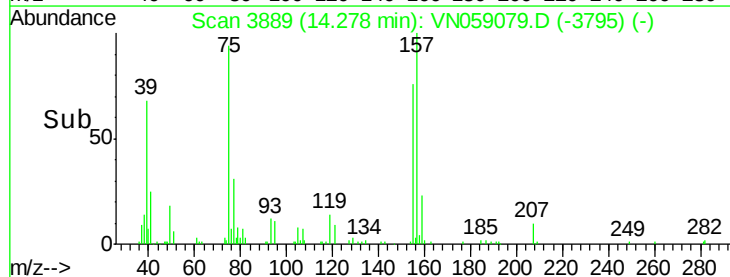
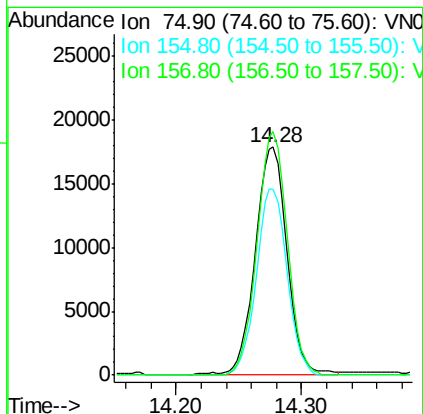
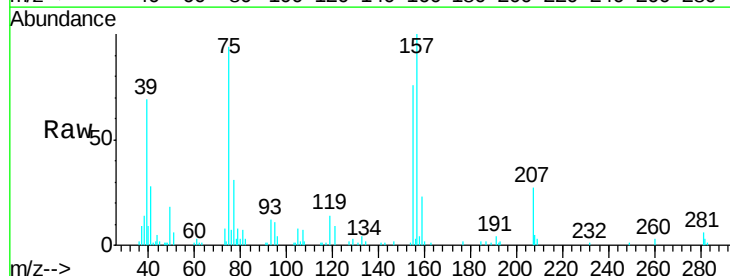
RT: 14.28 min Scan# 3889

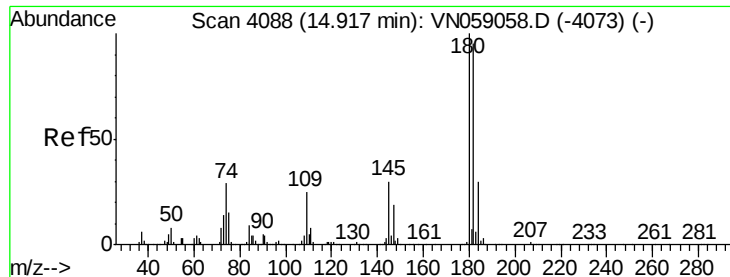
Delta R.T. 0.00 min

Lab File: VN059079.D

Acq: 4 Nov 2019 12:18

Tgt Ion:	75	Resp:	31612
Ion	Ratio	Lower	Upper
75	100		
155	78.5	39.7	119.1
157	101.2	51.0	153.0

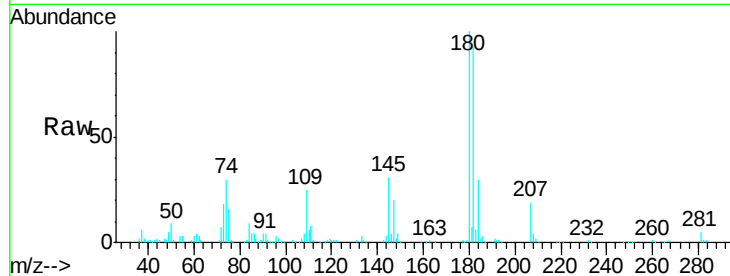




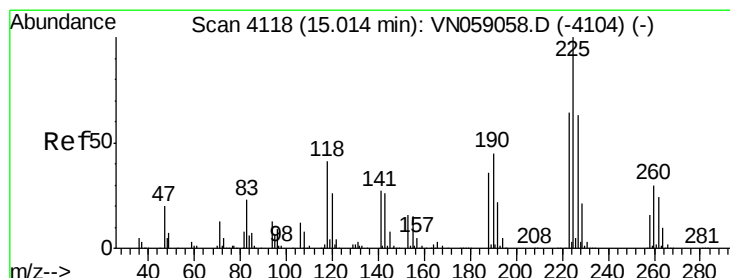
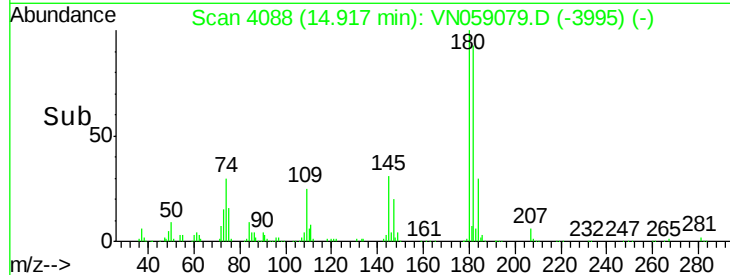
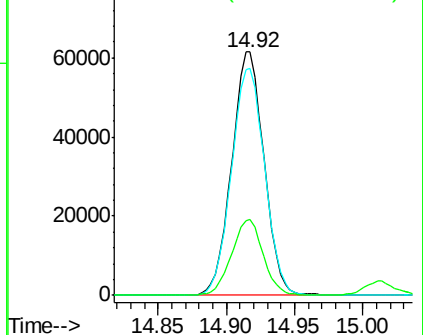
#93
 1,2,4-Trichlorobenzene
 Concen: 18.421 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS02

Tgt Ion:180 Resp: 101210
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.8 143.4
 145 30.6 15.1 45.3

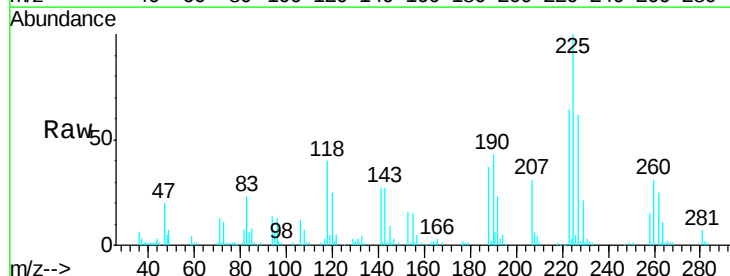


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

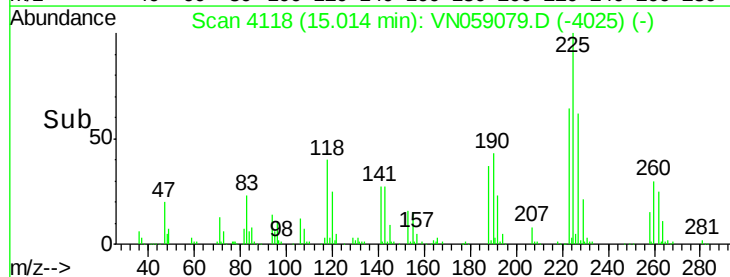
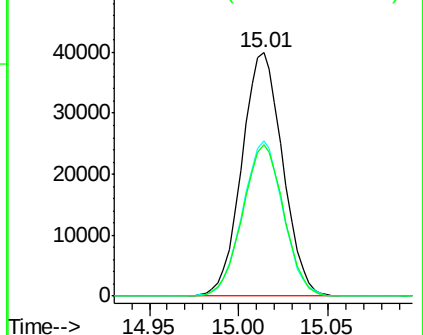


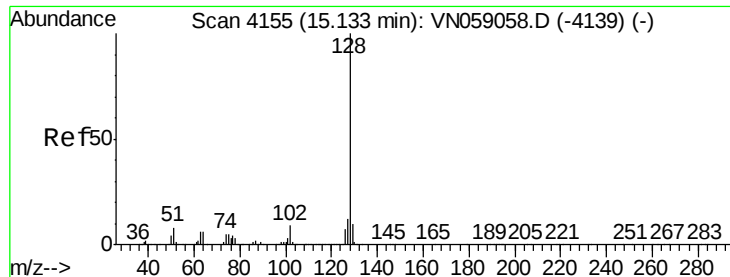
#94
 Hexachlorobutadiene
 Concen: 19.429 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN059079.D
 Acq: 4 Nov 2019 12:18

Tgt Ion:225 Resp: 64067
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.6 95.0
 227 62.4 31.9 95.7



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

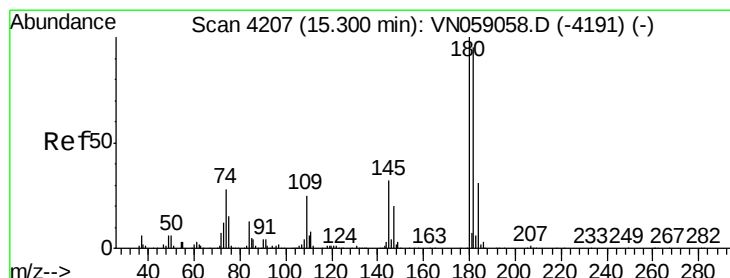
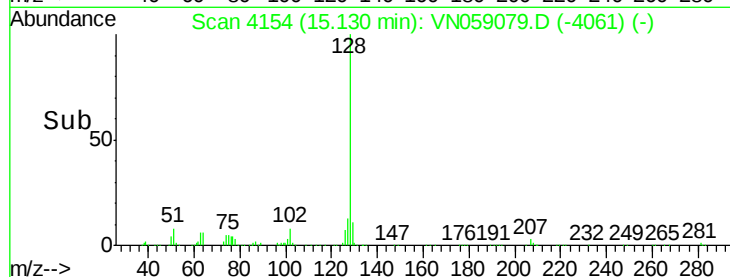
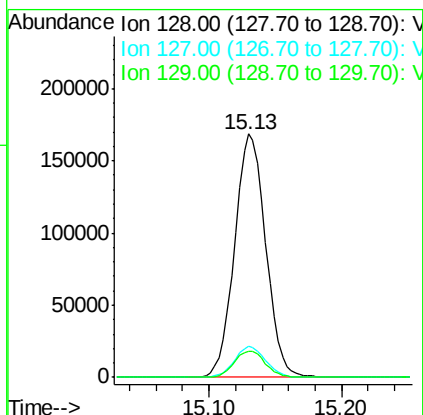
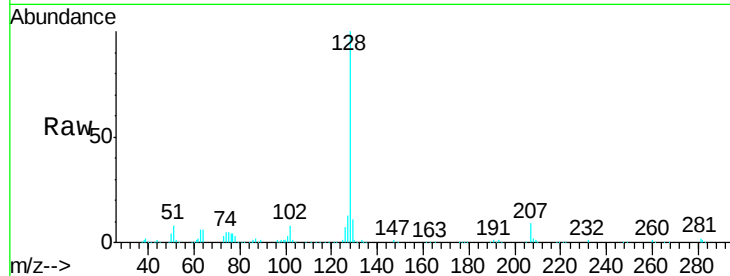




#95
Naphthalene
Concen: 18.062 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS02

Tgt Ion:128 Resp: 274589
Ion Ratio Lower Upper
128 100
127 12.7 9.9 14.9
129 11.0 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 18.510 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN059079.D
Acq: 4 Nov 2019 12:18

Tgt Ion:180 Resp: 103505
Ion Ratio Lower Upper
180 100
182 97.1 47.7 143.1
145 32.7 16.0 48.0

