

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110119\
 Data File : VN059070.D
 Acq On : 1 Nov 2019 18:10
 Operator : JC/SP
 Sample : VN1101WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Quant Time: Nov 04 12:07:00 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	461497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	731881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	665421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	303663	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	315855	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
35) Dibromofluoromethane	7.57	113	239652	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	10.08	98	950414	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.40	95	324118	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	98942	19.829	ug/l 98
3) Chloromethane	2.04	50	126960	18.765	ug/l 99
4) Vinyl Chloride	2.17	62	127929	19.479	ug/l 96
5) Bromomethane	2.55	94	73423	18.910	ug/l 100
6) Chloroethane	2.68	64	76342	18.981	ug/l 96
7) Trichlorofluoromethane	3.00	101	157616	20.197	ug/l 99
8) Diethyl Ether	3.39	74	62135	20.388	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	91161	19.819	ug/l 99
10) Methyl Iodide	3.93	142	104894	18.762	ug/l 98
11) Tert butyl alcohol	4.76	59	109430	96.739	ug/l 99
12) 1,1-Dichloroethene	3.71	96	89278	19.516	ug/l 100
13) Acrolein	3.58	56	65343	91.546	ug/l 97
14) Allyl chloride	4.30	41	172465	19.026	ug/l 97
15) Acrylonitrile	4.95	53	278109	98.008	ug/l 100
16) Acetone	3.79	43	276902	89.489	ug/l 100
17) Carbon Disulfide	4.03	76	271367	18.659	ug/l 99
18) Methyl Acetate	4.30	43	146488	18.687	ug/l 100
19) Methyl tert-butyl Ether	5.01	73	303055	19.451	ug/l 100
20) Methylene Chloride	4.52	84	104594	19.309	ug/l 96
21) trans-1,2-Dichloroethene	5.01	96	95692	19.485	ug/l 98
22) Diisopropyl ether	5.92	45	346221	20.052	ug/l 96
23) Vinyl Acetate	5.87	43	1429135	103.923	ug/l 100
24) 1,1-Dichloroethane	5.82	63	191229	19.372	ug/l 99
25) 2-Butanone	6.81	43	389901	94.633	ug/l 98
26) 2,2-Dichloropropane	6.80	77	160151	18.692	ug/l 99
27) cis-1,2-Dichloroethene	6.81	96	108110	19.551	ug/l 100
28) Bromochloromethane	7.17	49	54378	17.849	ug/l 98
29) Tetrahydrofuran	7.19	42	259122	99.653	ug/l 99
30) Chloroform	7.35	83	183275	19.416	ug/l 99
31) Cyclohexane	7.63	56	180711	19.193	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	157392	19.708	ug/l 98
36) 1,1-Dichloropropene	7.77	75	138550	19.047	ug/l 99
37) Ethyl Acetate	6.90	43	154465	19.112	ug/l 99
38) Carbon Tetrachloride	7.75	117	140372	19.801	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	159639	18.987	ug/l	97
40) Benzene	8.02	78	418547	19.389	ug/l	99
41) Methacrylonitrile	7.18	41	224580	64.261	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	150846	20.121	ug/l	99
43) Isopropyl Acetate	8.14	43	243752	19.286	ug/l	99
44) Trichloroethene	8.82	130	101928	19.191	ug/l	97
45) 1,2-Dichloropropane	9.10	63	114805	19.665	ug/l	100
46) Dibromomethane	9.19	93	68249	18.915	ug/l	99
47) Bromodichloromethane	9.39	83	140775	19.265	ug/l	99
48) Methyl methacrylate	9.18	41	108055	18.750	ug/l	99
49) 1,4-Dioxane	9.18	88	39842	423.824	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	769267	104.773	ug/l	98
52) Toluene	10.15	92	255714	20.216	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	160657	19.013	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	179011	20.085	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	101636	19.725	ug/l	99
56) Ethyl methacrylate	10.42	69	152715	18.674	ug/l	98
57) 1,3-Dichloropropane	10.70	76	174642	19.489	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	314861	100.032	ug/l	99
59) 2-Hexanone	10.75	43	570731	102.320	ug/l	98
60) Dibromochloromethane	10.90	129	106582	19.194	ug/l	99
61) 1,2-Dibromoethane	11.00	107	104054	19.934	ug/l	99
64) Tetrachloroethene	10.63	164	93607	20.138	ug/l	98
65) Chlorobenzene	11.43	112	265197	19.418	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	99373	19.777	ug/l	99
67) Ethyl Benzene	11.51	91	476038	20.135	ug/l	99
68) m/p-Xylenes	11.62	106	355667	40.288	ug/l	100
69) o-Xylene	11.95	106	165906	19.680	ug/l	99
70) Styrene	11.96	104	267895	19.610	ug/l	98
71) Bromoform	12.13	173	74592	19.179	ug/l #	100
73) Isopropylbenzene	12.25	105	453914	20.319	ug/l	100
74) N-amyl acetate	12.07	43	194866	19.609	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	153672	19.311	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	201575	28.052	ug/l #	100
77) Bromobenzene	12.53	156	110739	19.825	ug/l	98
78) n-propylbenzene	12.59	91	532949	20.598	ug/l	100
79) 2-Chlorotoluene	12.68	91	317872	19.786	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	382990	20.172	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	51345	18.317	ug/l	96
82) 4-Chlorotoluene	12.78	91	320324	19.536	ug/l	98
83) tert-Butylbenzene	13.00	119	326385	20.236	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	379768	20.585	ug/l	99
85) sec-Butylbenzene	13.17	105	433748	20.519	ug/l	99
86) p-Isopropyltoluene	13.29	119	385147	20.210	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	193983	19.546	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	187584	19.108	ug/l	97
89) n-Butylbenzene	13.62	91	329691	19.854	ug/l	98
90) Hexachloroethane	13.88	117	74075	19.554	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	192493	19.492	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31943	18.583	ug/l	95

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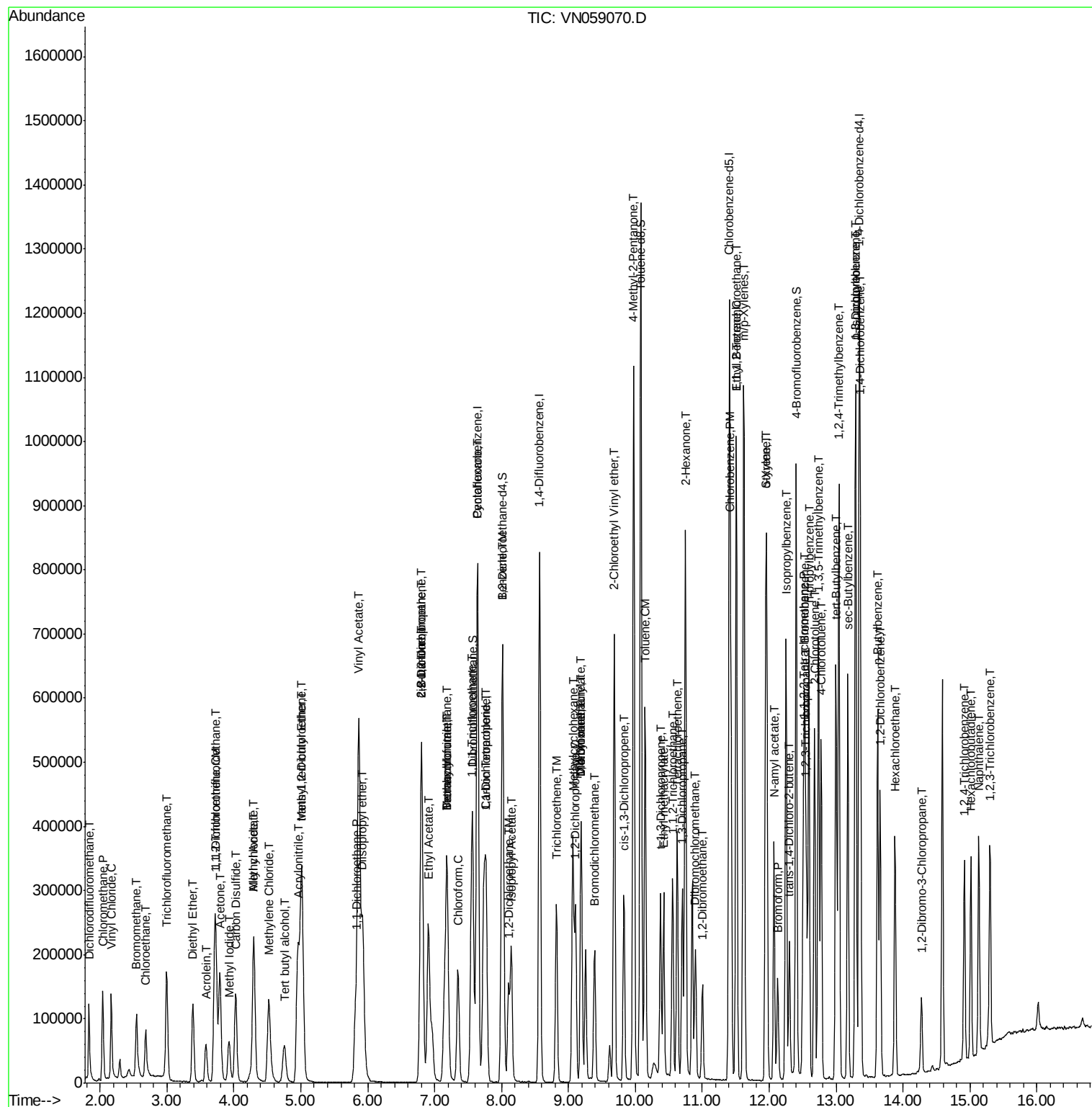
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	100697	18.906	ug/l	99
94) Hexachlorobutadiene	15.01	225	61118	19.119	ug/l	98
95) Naphthalene	15.13	128	271548	18.365	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	102605	18.928	ug/l	99

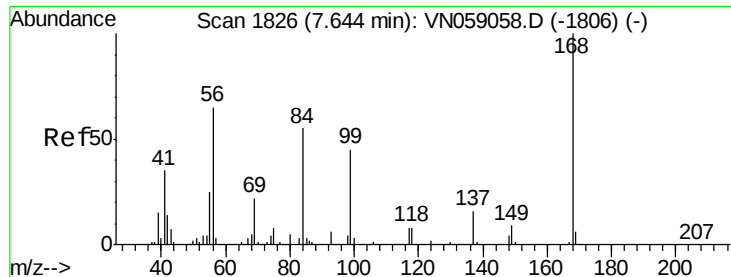
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

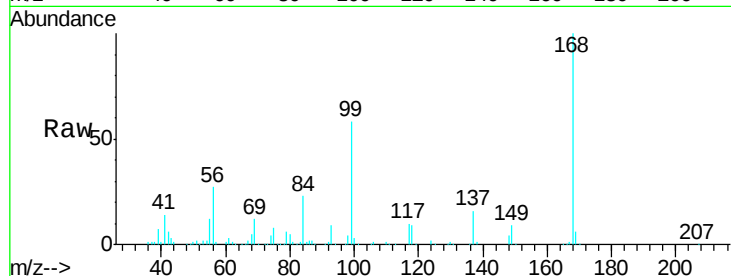
VN1101WBSD02

Tgt Ion:168 Resp: 461497

Ion Ratio Lower Upper

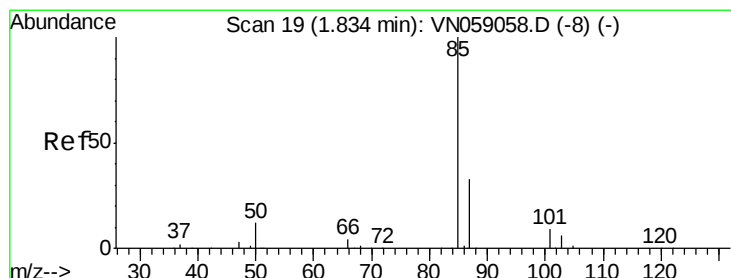
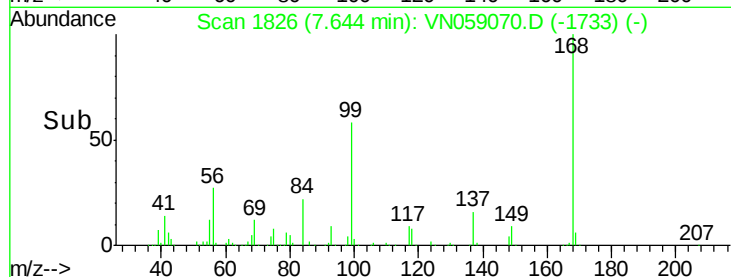
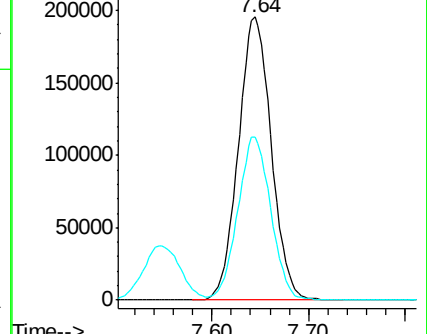
168 100

99 57.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.829 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059070.D

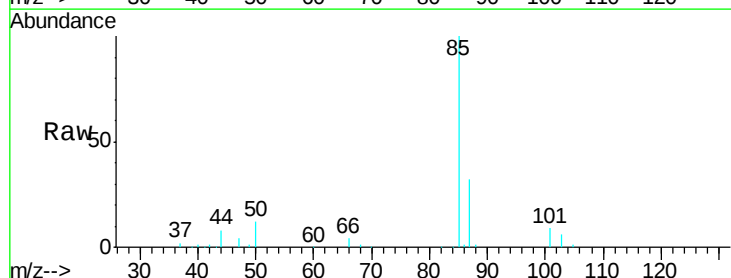
Acq: 1 Nov 2019 18:10

Tgt Ion: 85 Resp: 98942

Ion Ratio Lower Upper

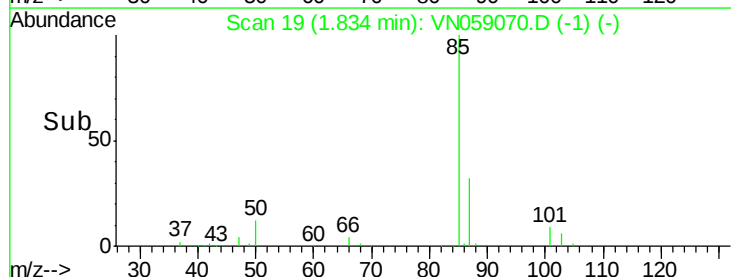
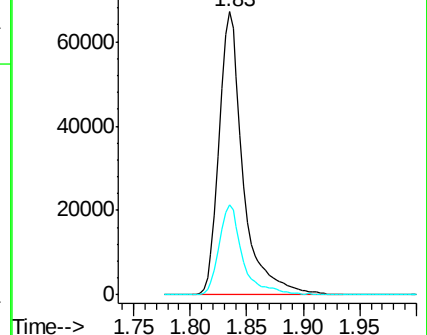
85 100

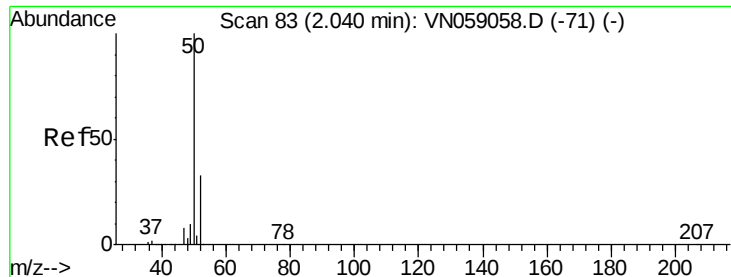
87 31.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.765 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

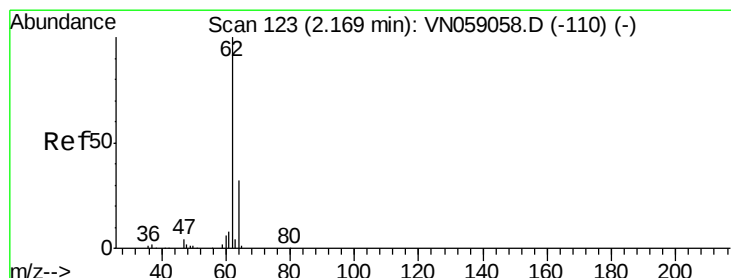
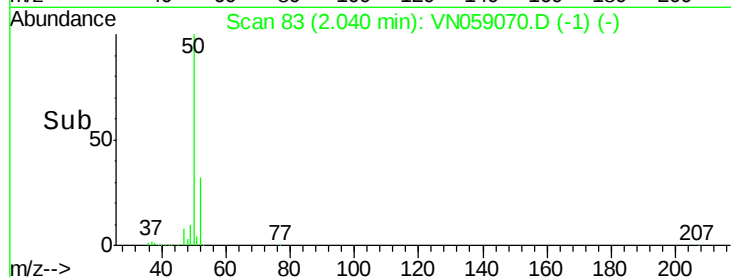
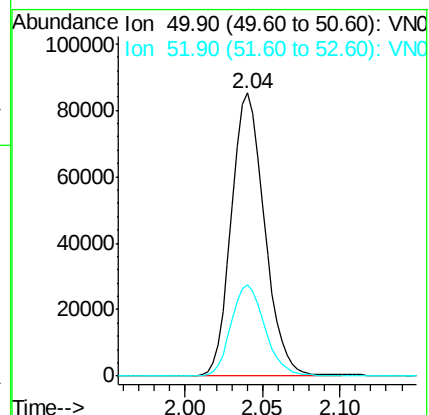
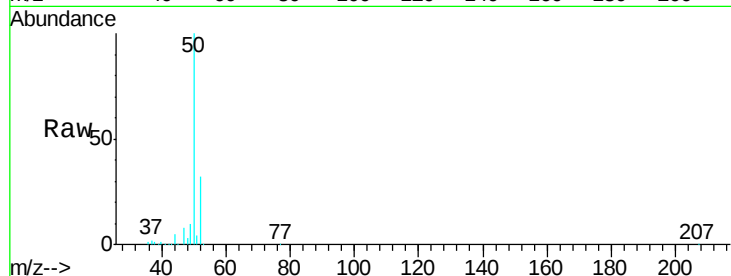
VN1101WBSD02

Tgt Ion: 50 Resp: 126960

Ion Ratio Lower Upper

50 100

52 32.2 26.3 39.5



#4

Vinyl Chloride

Concen: 19.479 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059070.D

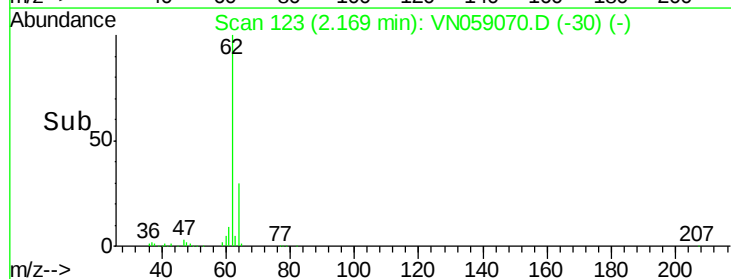
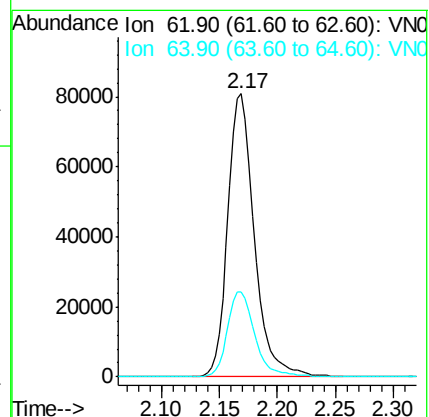
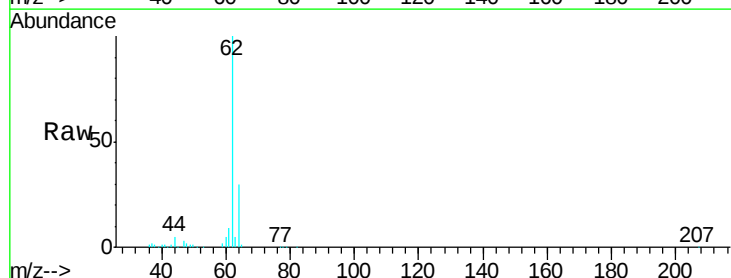
Acq: 1 Nov 2019 18:10

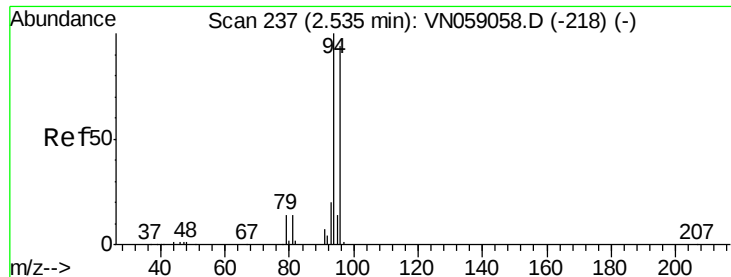
Tgt Ion: 62 Resp: 127929

Ion Ratio Lower Upper

62 100

64 30.1 25.8 38.8





#5

Bromomethane

Concen: 18.910 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

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ClientSampleId :

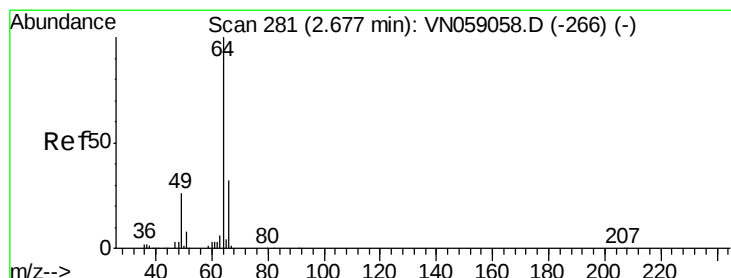
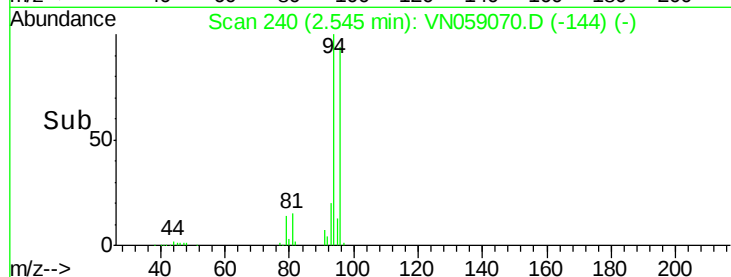
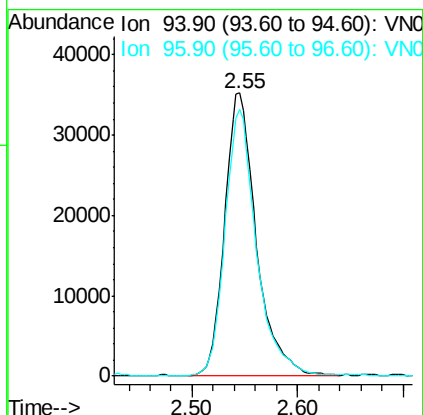
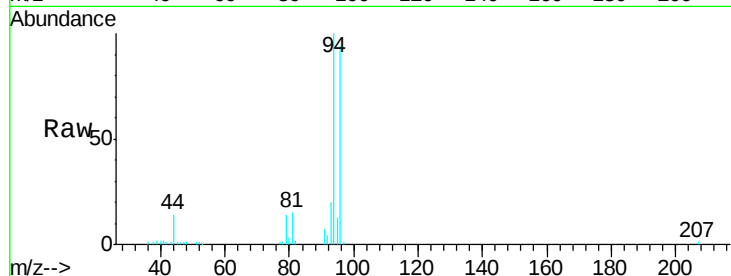
VN1101WBSD02

Tgt Ion: 94 Resp: 73423

Ion Ratio Lower Upper

94 100

96 94.3 75.1 112.7



#6

Chloroethane

Concen: 18.981 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059070.D

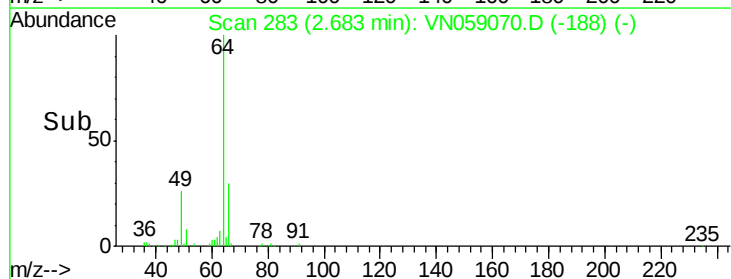
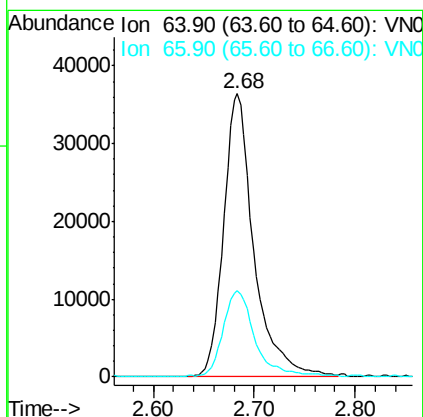
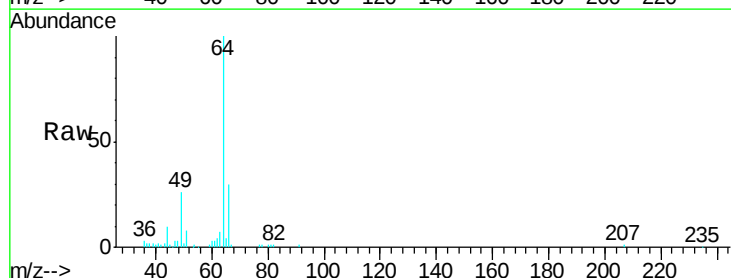
Acq: 1 Nov 2019 18:10

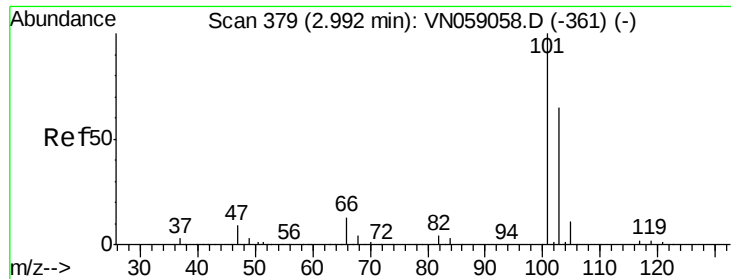
Tgt Ion: 64 Resp: 76342

Ion Ratio Lower Upper

64 100

66 29.9 25.6 38.4



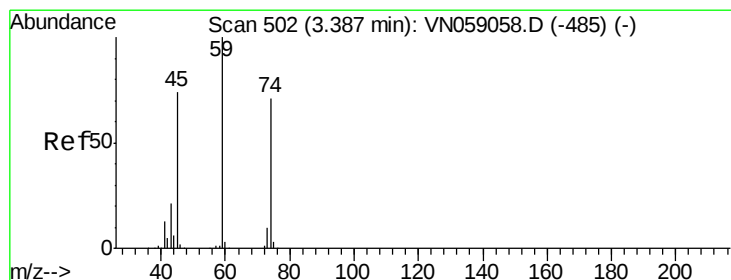
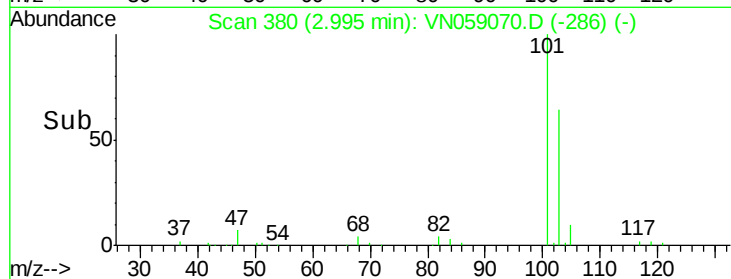
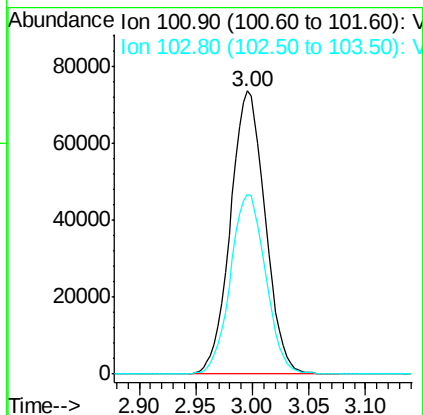
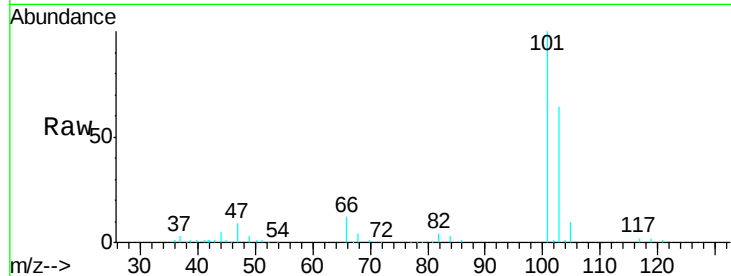


#7

Trichlorofluoromethane
 Concen: 20.197 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059070.D
 Acq: 1 Nov 2019 18:10

Instrument :
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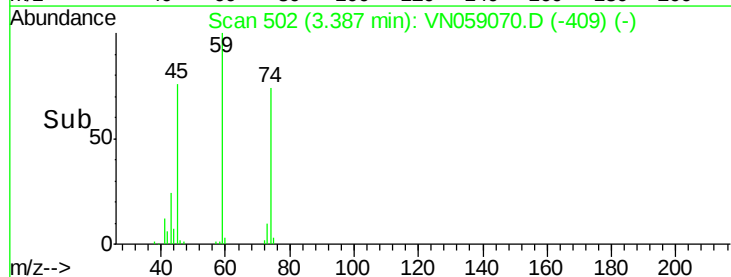
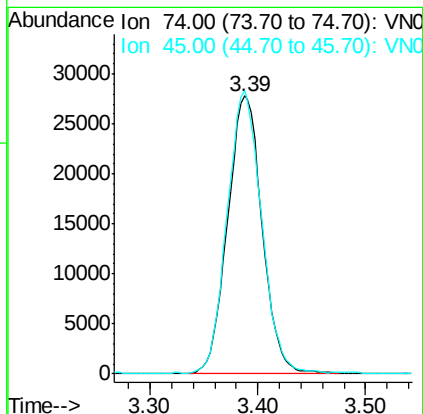
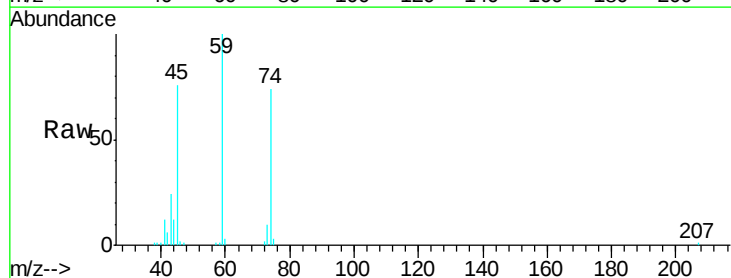
Tgt Ion:101 Resp: 157616
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.7 77.5

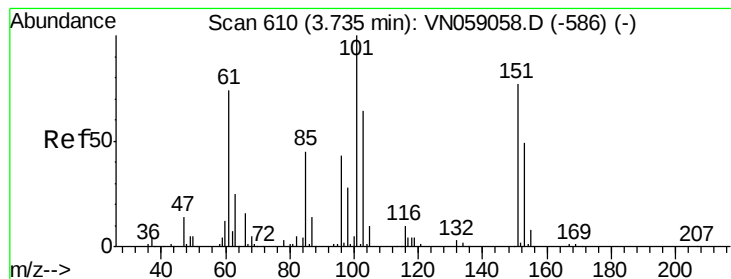


#8

Diethyl Ether
 Concen: 20.388 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059070.D
 Acq: 1 Nov 2019 18:10

Tgt Ion: 74 Resp: 62135
 Ion Ratio Lower Upper
 74 100
 45 101.6 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.819 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

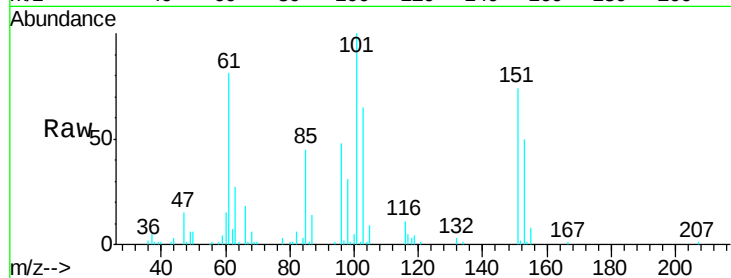
Tgt Ion:101 Resp: 91161

Ion Ratio Lower Upper

101 100

85 44.2 35.0 52.6

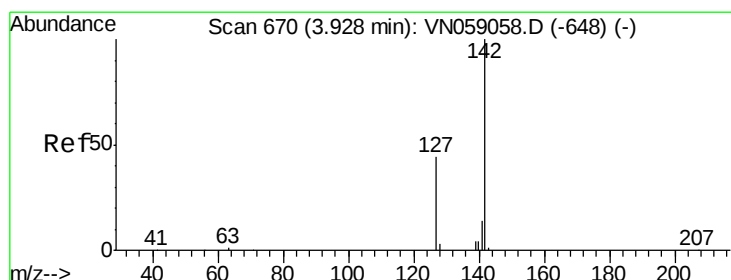
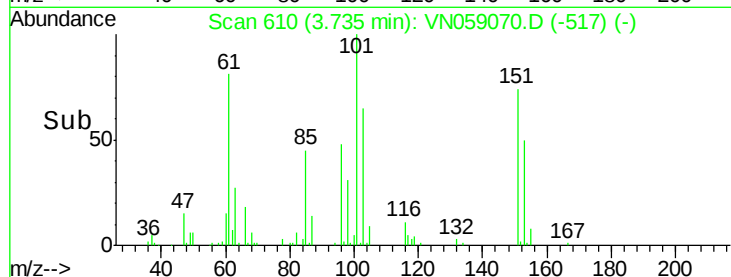
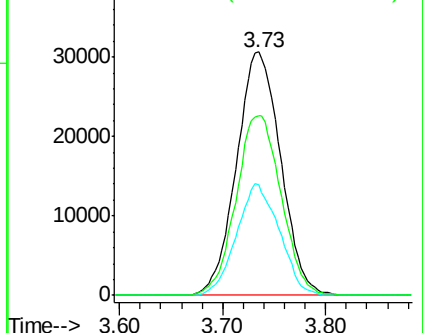
151 75.3 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.762 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

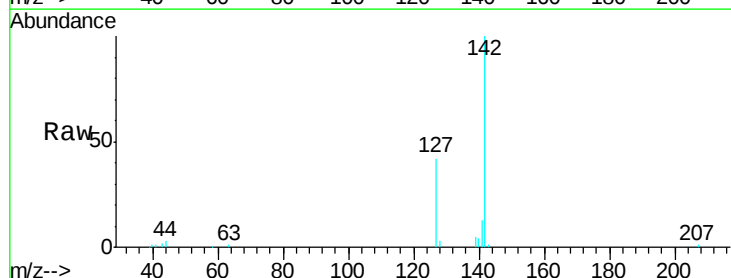
Tgt Ion:142 Resp: 104894

Ion Ratio Lower Upper

142 100

127 44.2 34.2 51.2

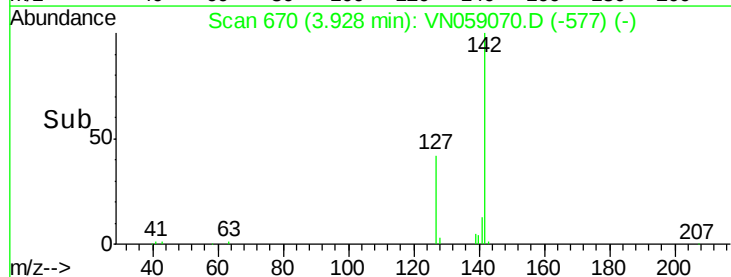
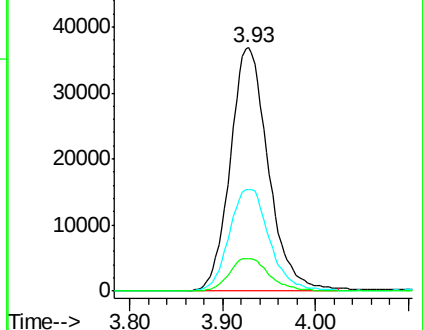
141 14.0 11.1 16.7

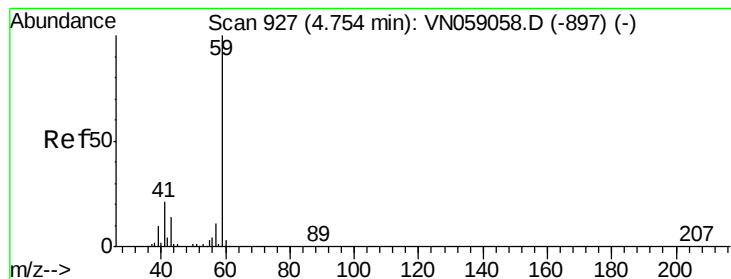


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 96.739 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

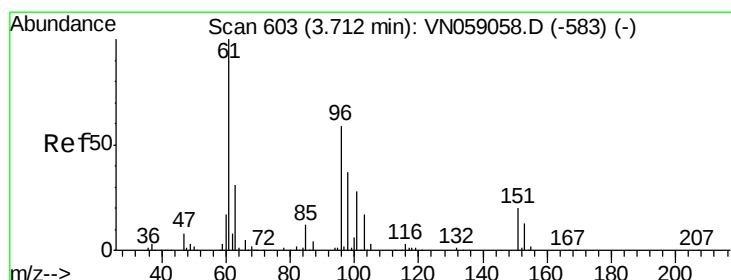
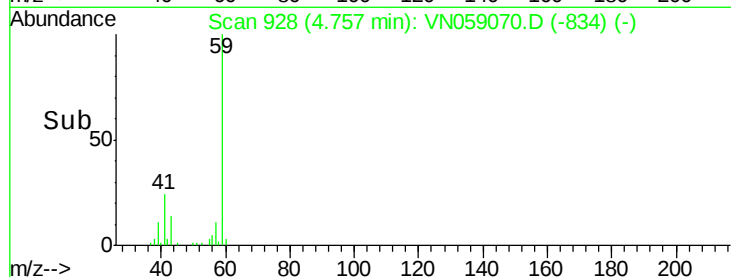
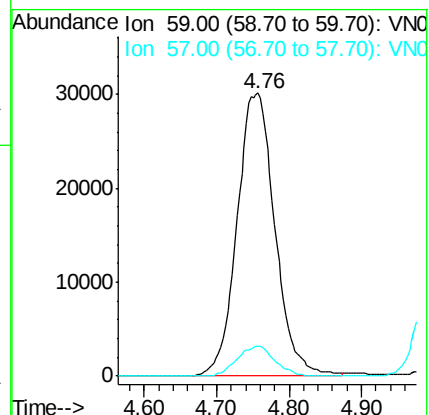
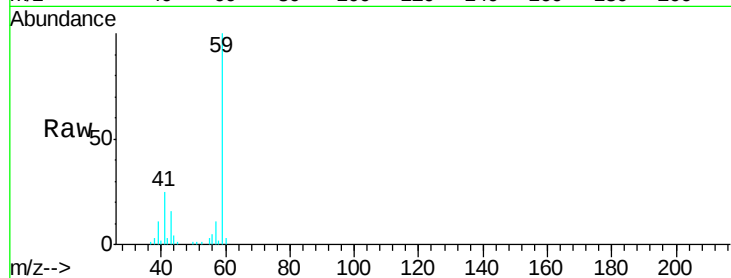
VN1101WBSD02

Tgt Ion: 59 Resp: 109430

Ion Ratio Lower Upper

59 100

57 10.5 8.2 12.4



#12

1,1-Dichloroethene

Concen: 19.516 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

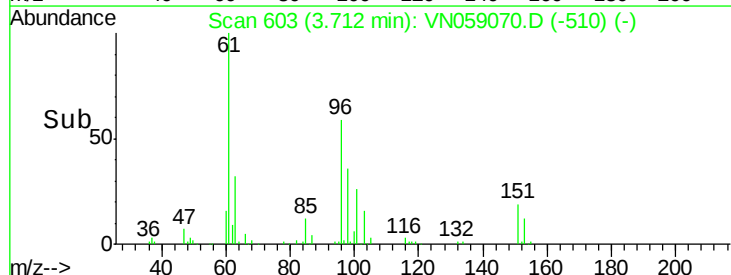
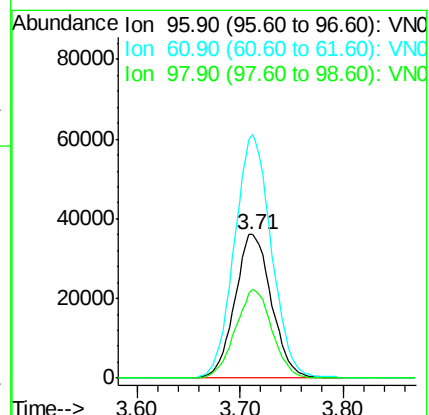
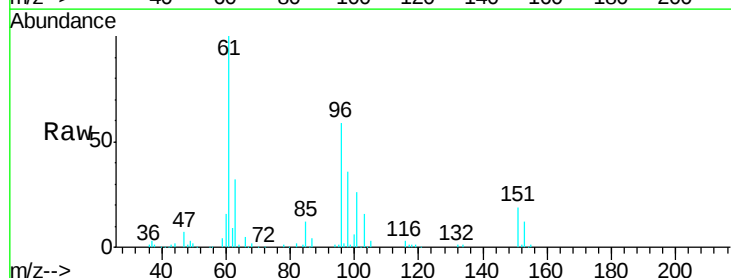
Tgt Ion: 96 Resp: 89278

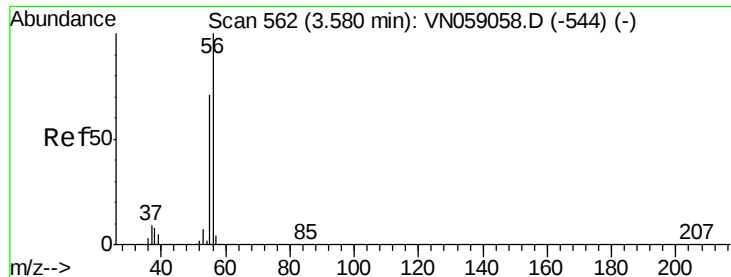
Ion Ratio Lower Upper

96 100

61 169.5 135.3 202.9

98 61.8 49.4 74.2





#13

Acrolein

Concen: 91.546 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

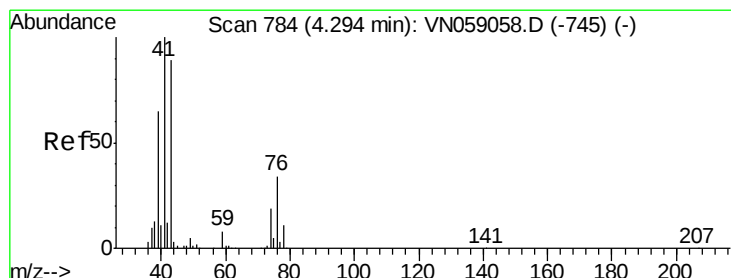
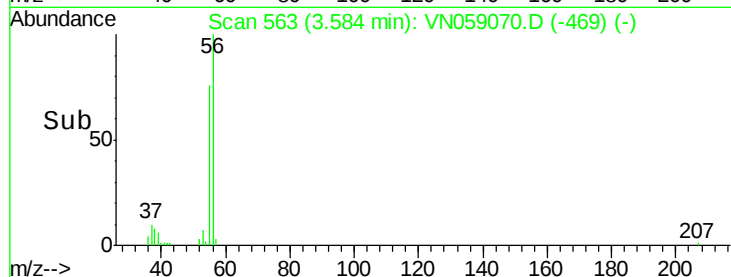
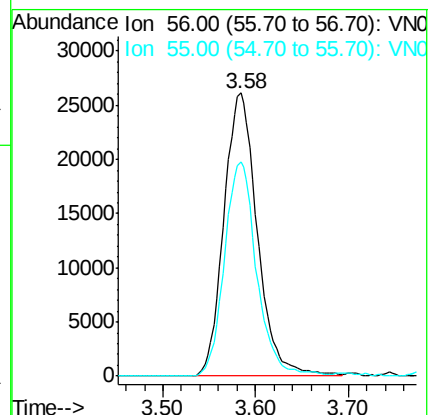
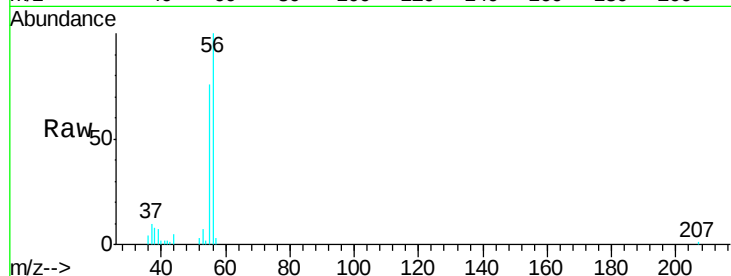
VN1101WBSD02

Tgt Ion: 56 Resp: 65343

Ion Ratio Lower Upper

56 100

55 72.3 56.1 84.1



#14

Allyl chloride

Concen: 19.026 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

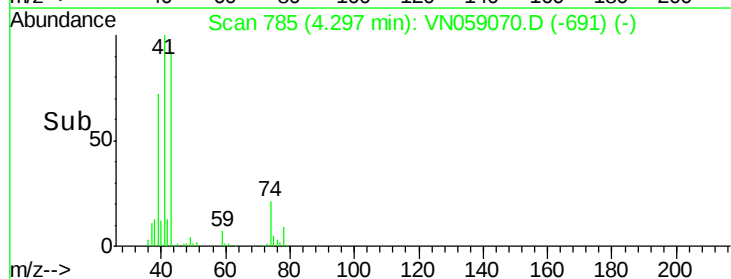
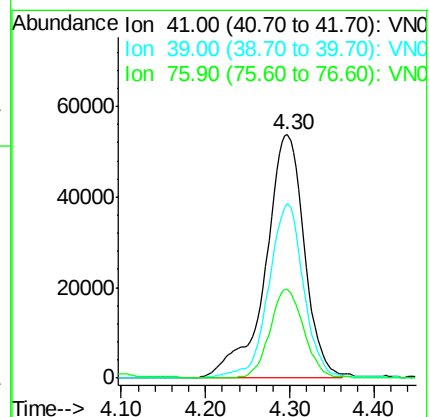
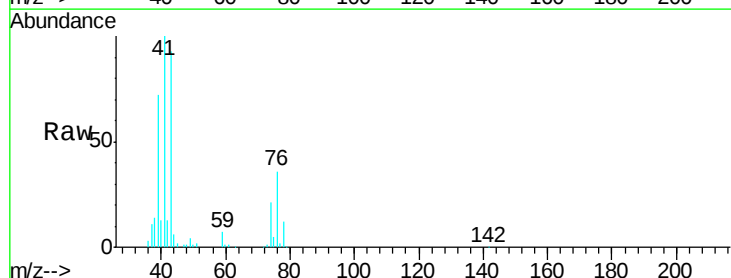
Tgt Ion: 41 Resp: 172465

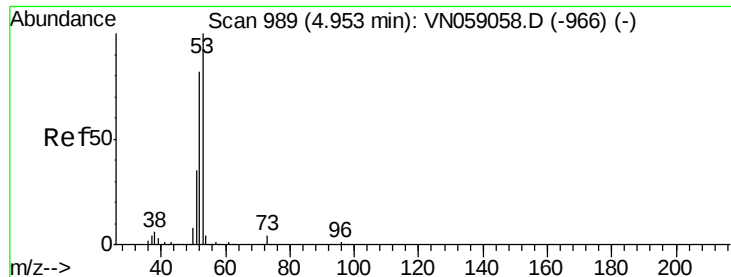
Ion Ratio Lower Upper

41 100

39 64.7 49.4 74.2

76 31.7 24.6 37.0





#15

Acrylonitrile

Concen: 98.008 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

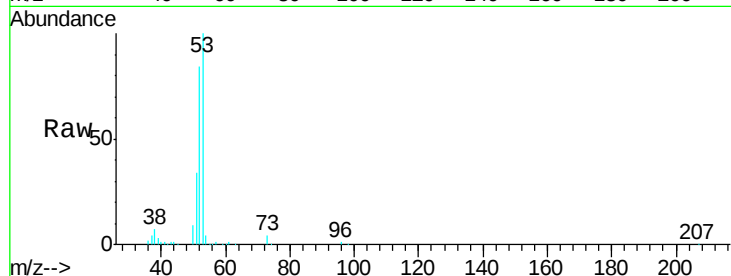
Tgt Ion: 53 Resp: 278109

Ion Ratio Lower Upper

53 100

52 82.6 66.0 99.0

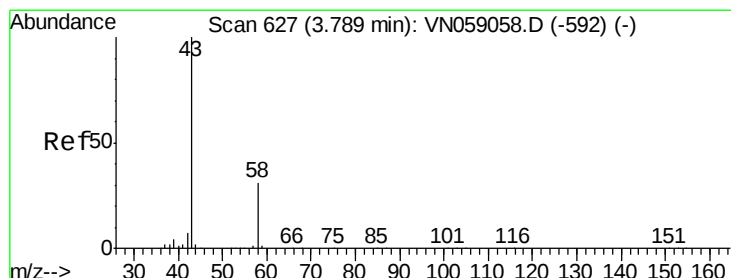
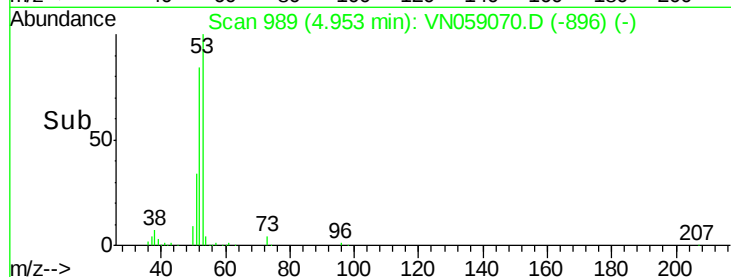
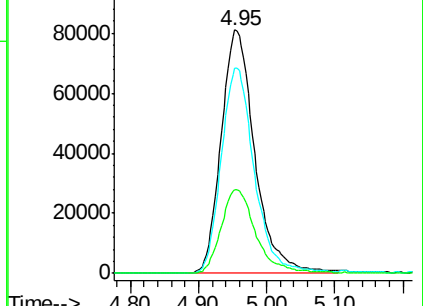
51 35.3 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN059058.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059058.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059058.D (-966) (-)



#16

Acetone

Concen: 89.489 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059070.D

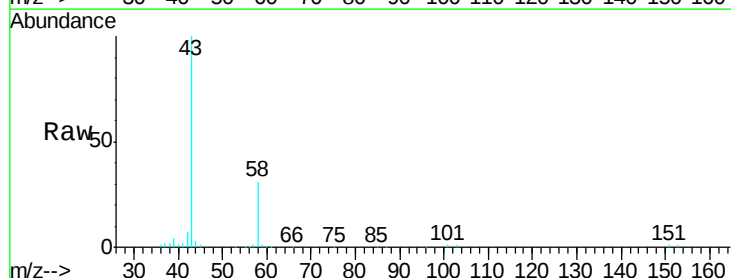
Acq: 1 Nov 2019 18:10

Tgt Ion: 43 Resp: 276902

Ion Ratio Lower Upper

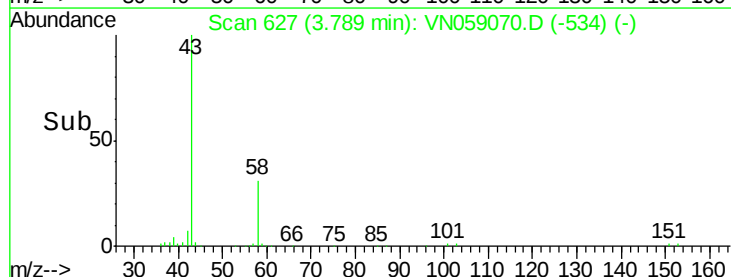
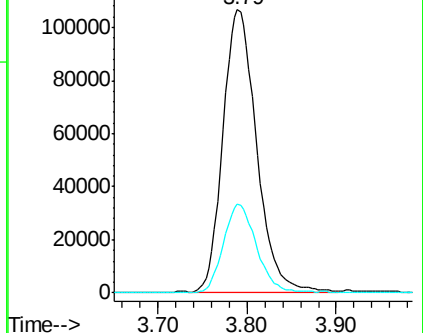
43 100

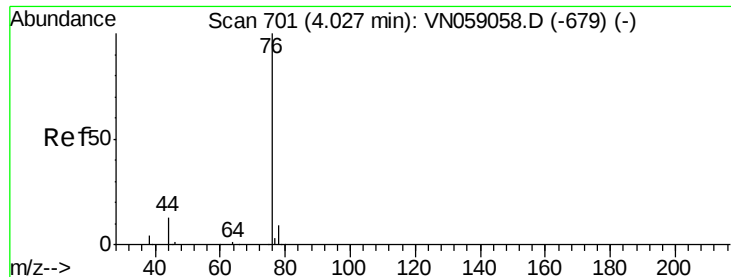
58 31.2 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN059058.D (-592) (-)





#17

Carbon Disulfide

Concen: 18.659 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

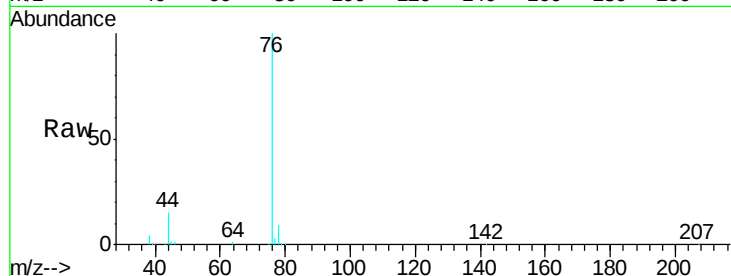
VN1101WBSD02

Tgt Ion: 76 Resp: 271367

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN059058.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN059058.D (-679) (-)

4.03

120000

100000

80000

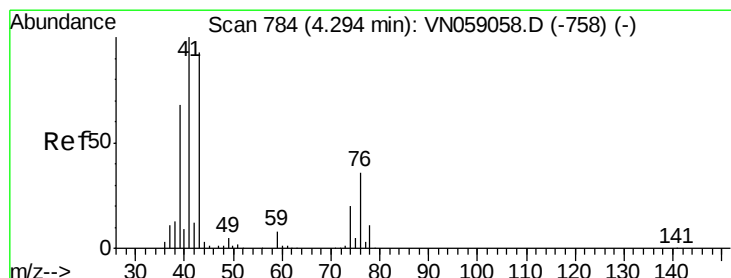
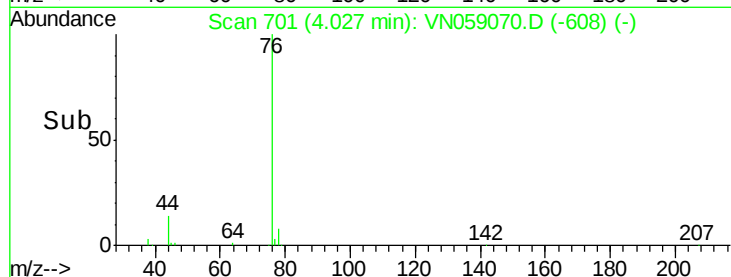
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.687 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059070.D

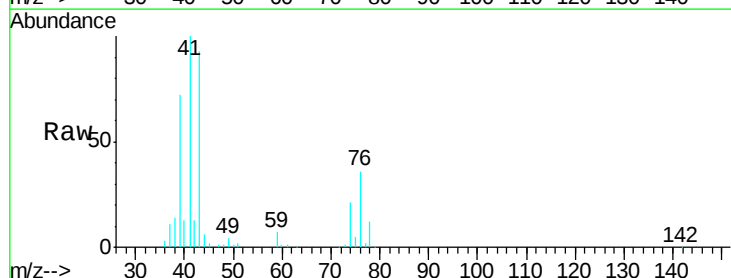
Acq: 1 Nov 2019 18:10

Tgt Ion: 43 Resp: 146488

Ion Ratio Lower Upper

43 100

74 21.8 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN059058.D (-758) (-)

4.30

50000

40000

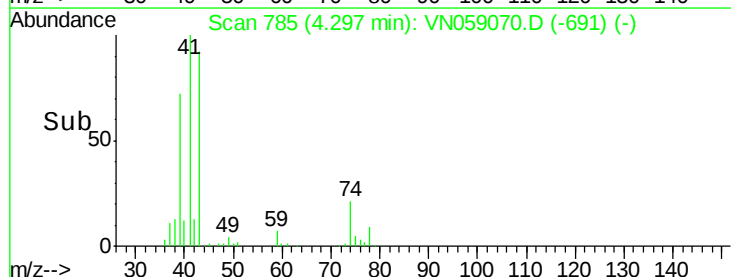
30000

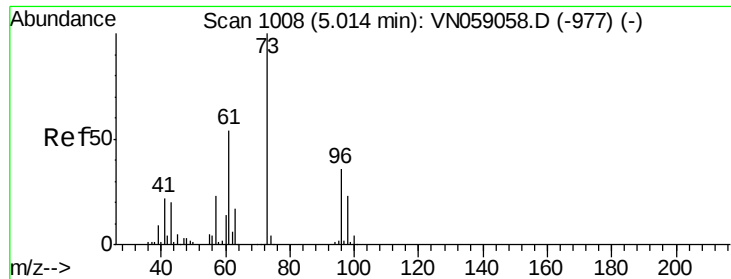
20000

10000

0

Time-->

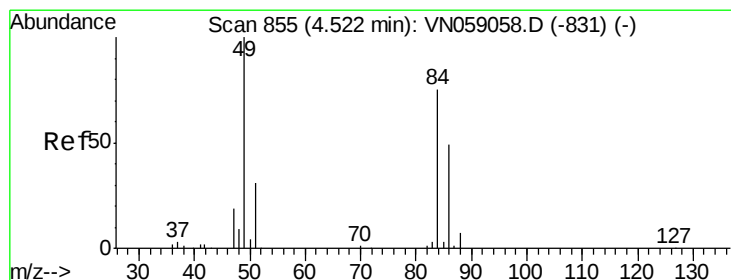
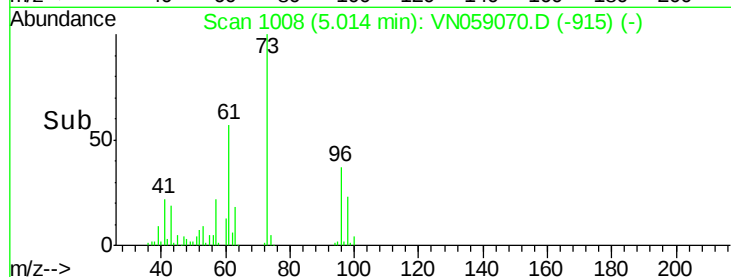
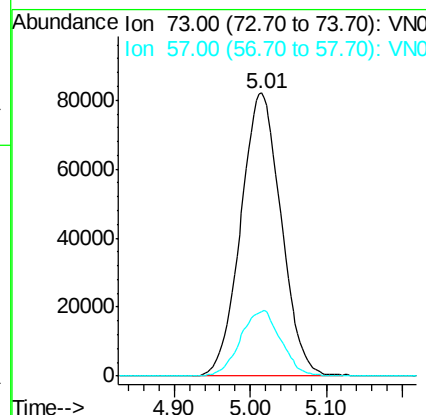
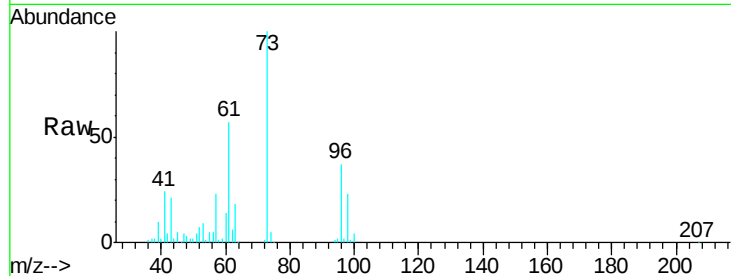




#19
Methyl tert-butyl Ether
Concen: 19.451 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

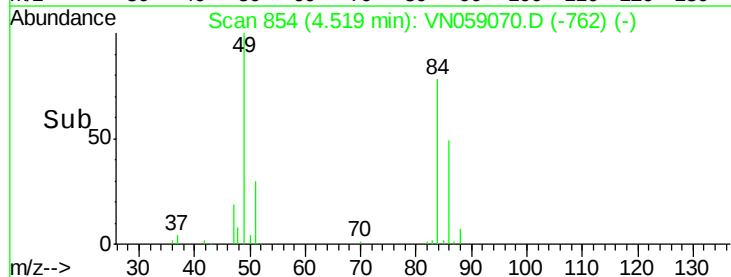
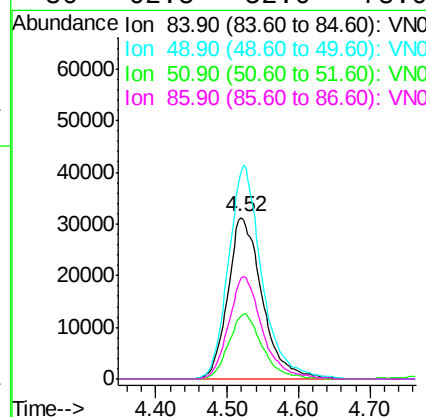
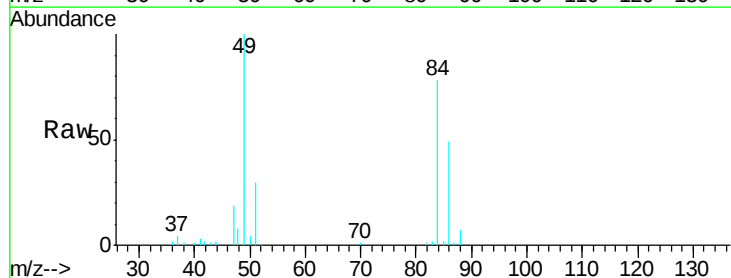
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

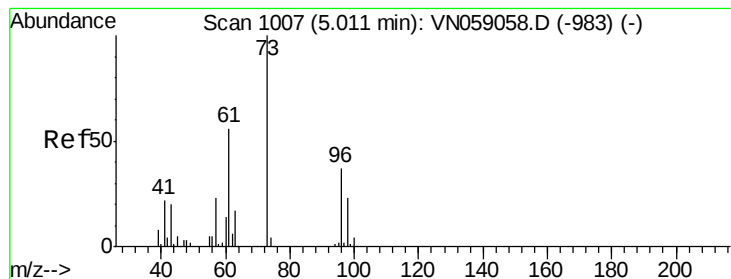
Tgt Ion: 73 Resp: 303055
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6



#20
Methylene Chloride
Concen: 19.309 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Tgt Ion: 84 Resp: 104594
Ion Ratio Lower Upper
84 100
49 128.3 106.4 159.6
51 39.0 33.0 49.4
86 62.5 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.485 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

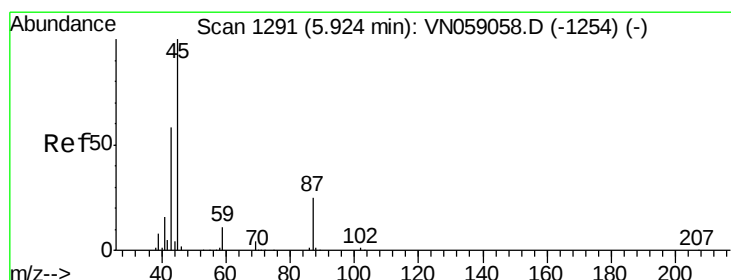
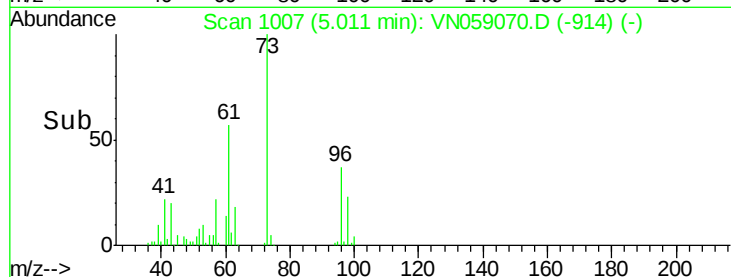
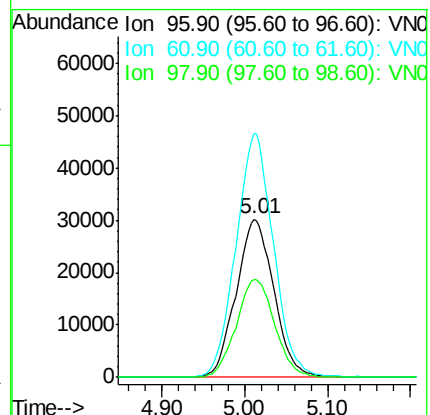
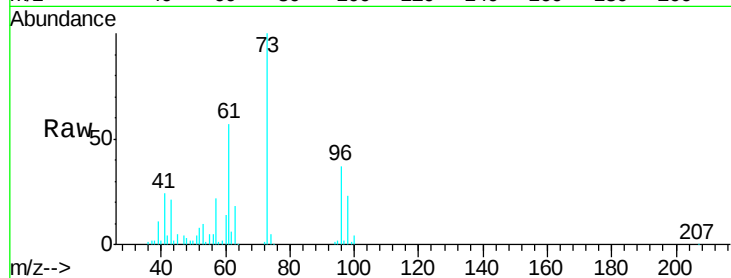
Tgt Ion: 96 Resp: 95692

Ion Ratio Lower Upper

96 100

61 154.1 121.7 182.5

98 62.0 50.6 76.0



#22

Diisopropyl ether

Concen: 20.052 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Tgt Ion: 45 Resp: 346221

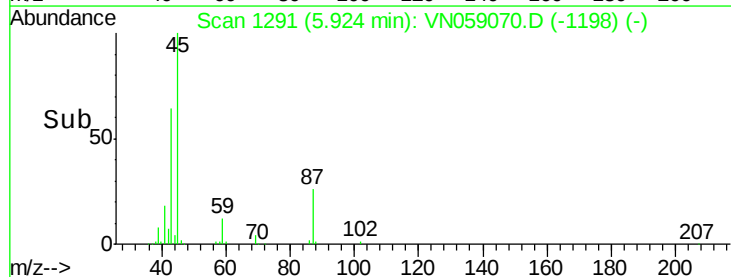
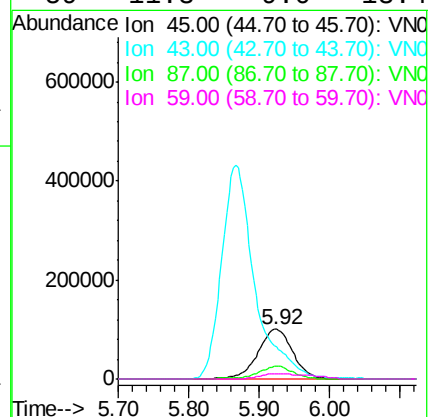
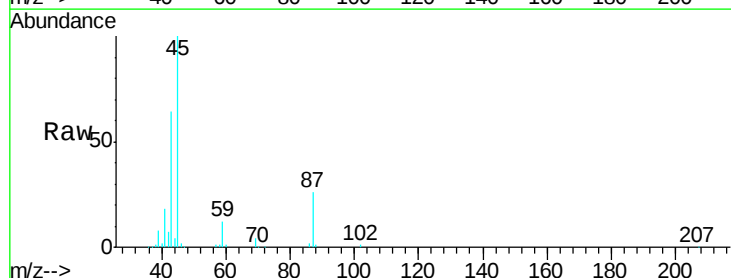
Ion Ratio Lower Upper

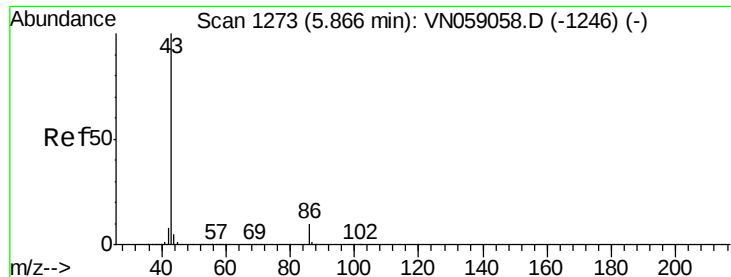
45 100

43 62.9 46.9 70.3

87 25.6 20.1 30.1

59 11.3 9.0 13.4

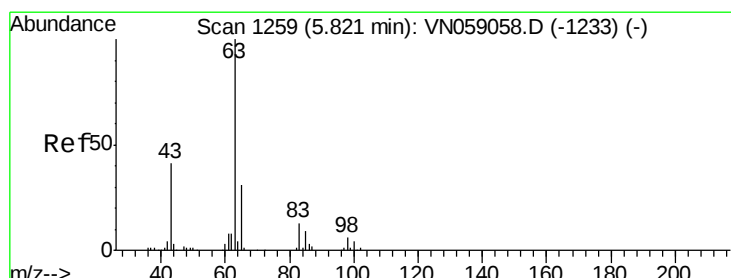
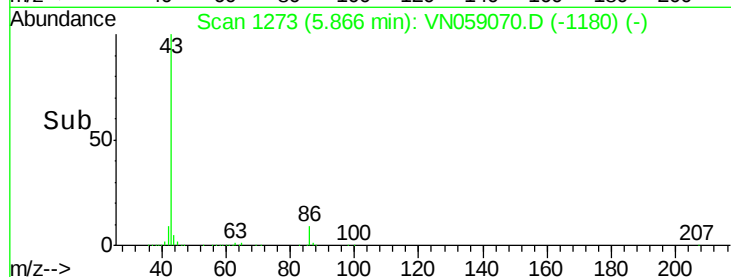
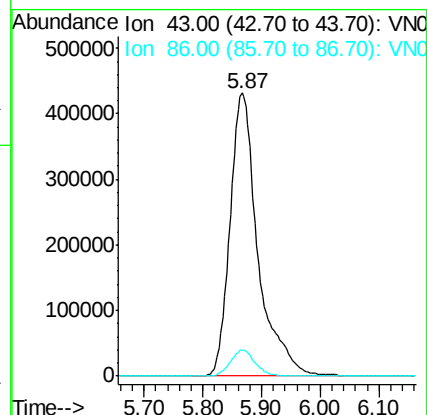
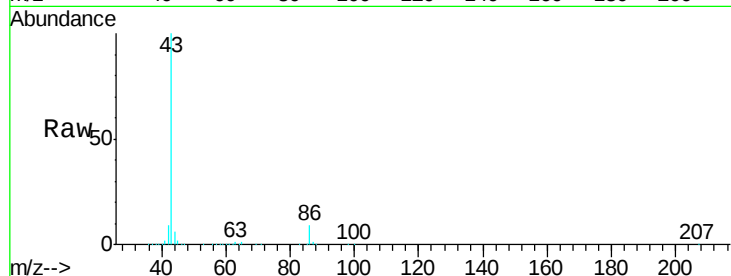




#23
 Vinyl Acetate
 Concen: 103.923 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059070.D
 Acq: 1 Nov 2019 18:10

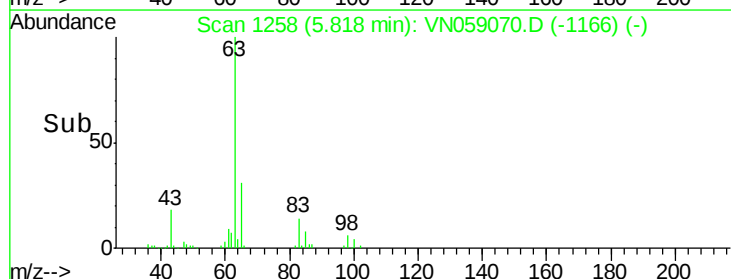
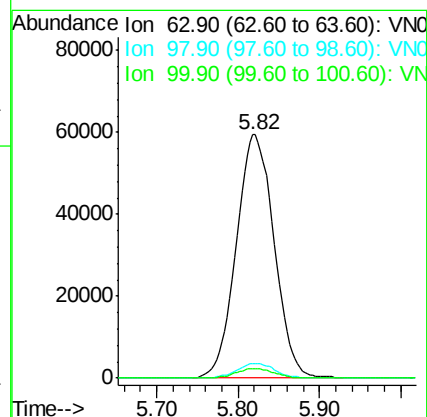
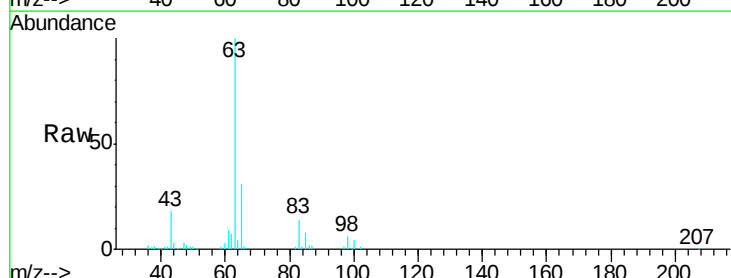
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

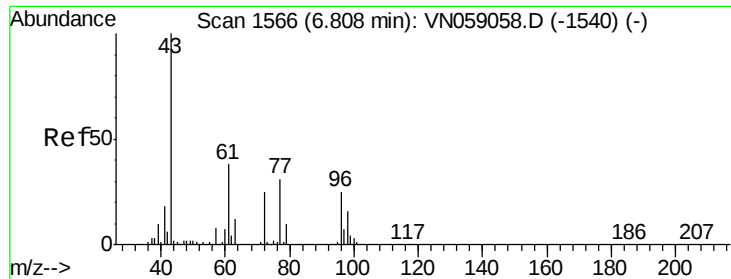
Tgt Ion: 43 Resp: 1429135
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 19.372 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059070.D
 Acq: 1 Nov 2019 18:10

Tgt Ion: 63 Resp: 191229
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.2 9.6
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 94.633 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

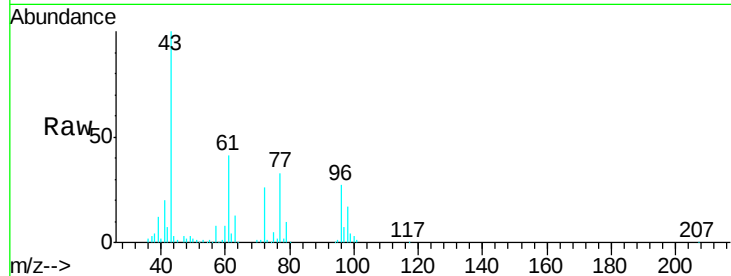
VN1101WBSD02

Tgt Ion: 43 Resp: 389901

Ion Ratio Lower Upper

43 100

72 25.7 19.9 29.9



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

Ion 72.00 (71.70 to 72.70): VN059058.D (-1540) (-)

6.81

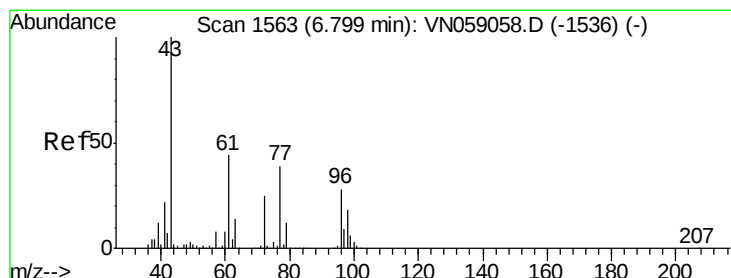
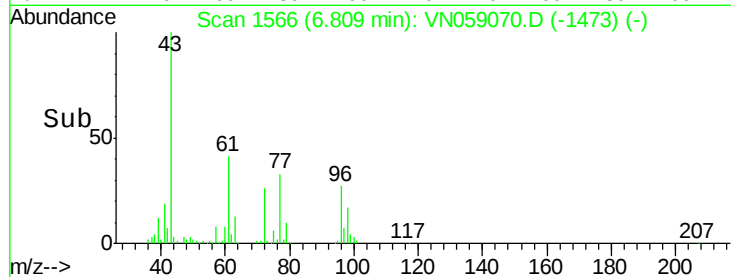
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 18.692 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059070.D

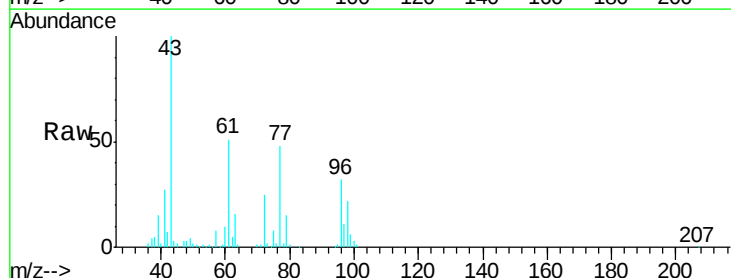
Acq: 1 Nov 2019 18:10

Tgt Ion: 77 Resp: 160151

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.9



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

Ion 96.90 (96.60 to 97.60): VN059058.D (-1536) (-)

6.80

60000

50000

40000

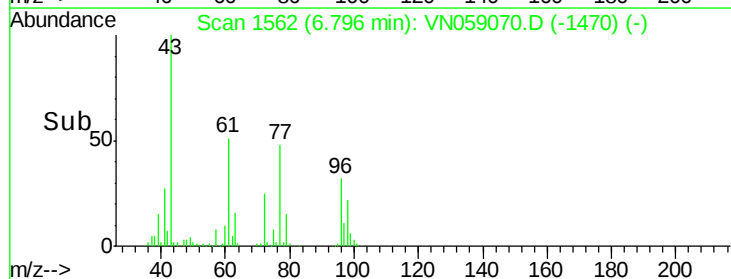
30000

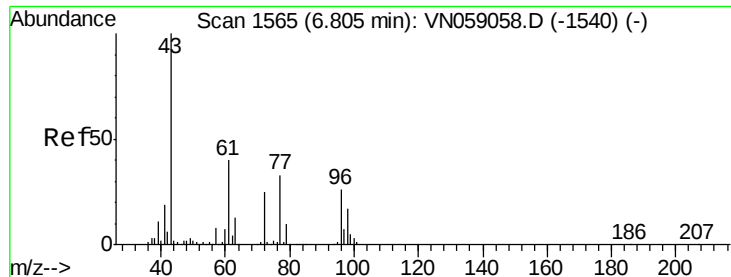
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.551 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

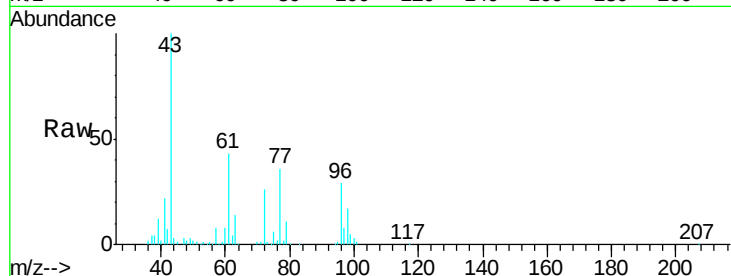
Tgt Ion: 96 Resp: 108110

Ion Ratio Lower Upper

96 100

61 158.3 0.0 316.4

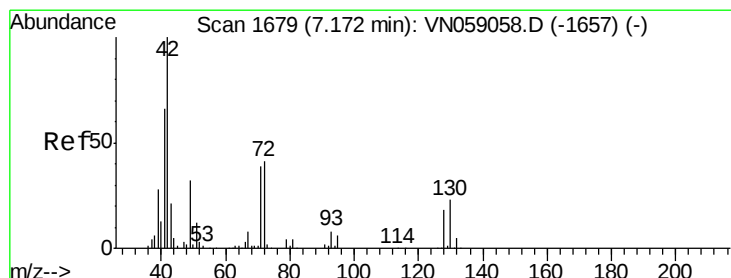
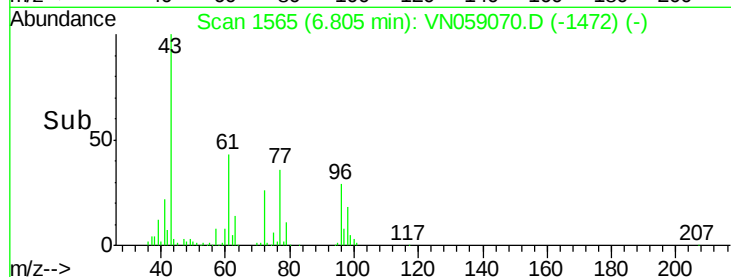
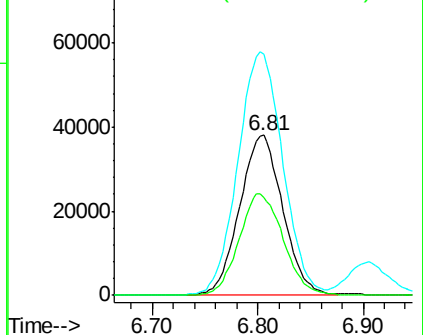
98 65.0 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN059070.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN059070.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN059070.D (-1472) (-)



#28

Bromochloromethane

Concen: 17.849 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

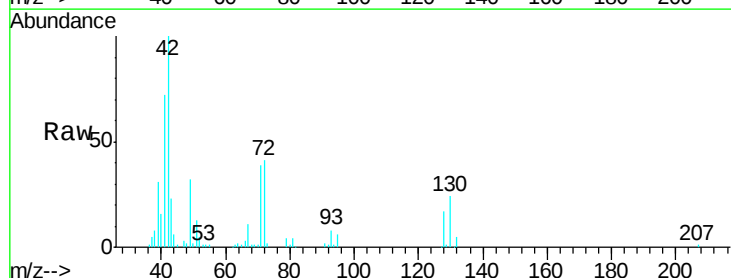
Tgt Ion: 49 Resp: 54378

Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.4

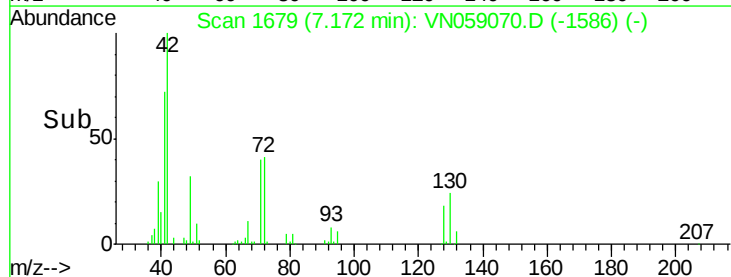
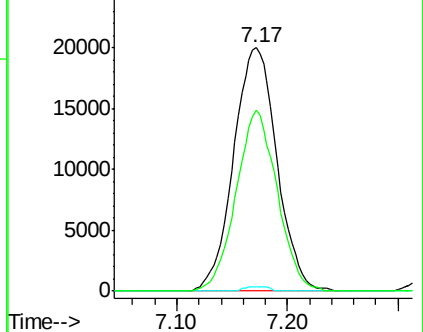
130 70.4 55.0 82.6

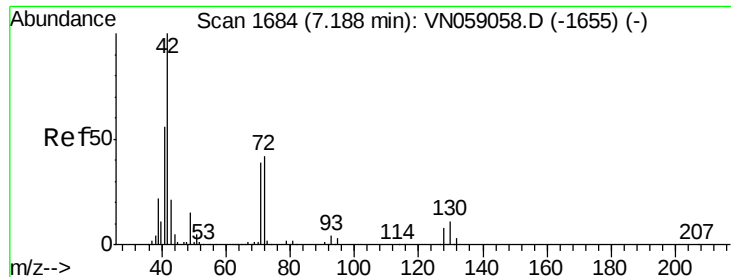


Abundance Ion 48.90 (48.60 to 49.60): VN059070.D (-1586) (-)

Ion 128.80 (128.50 to 129.50): VN059070.D (-1586) (-)

Ion 129.80 (129.50 to 130.50): VN059070.D (-1586) (-)

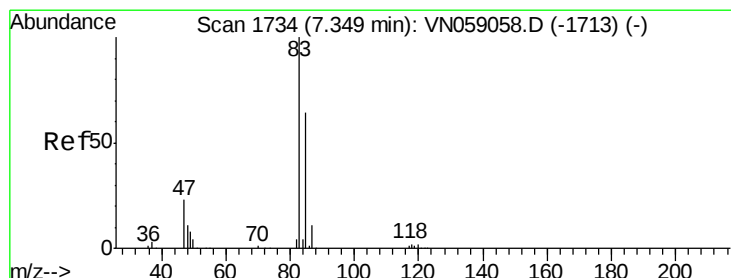
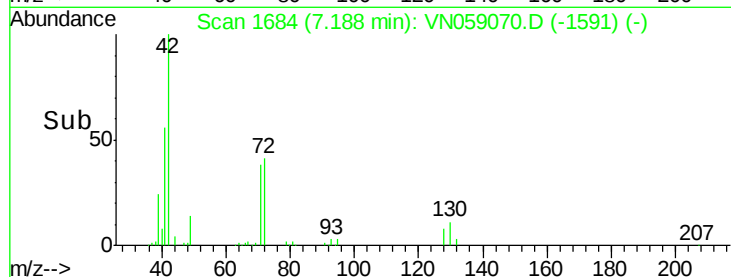
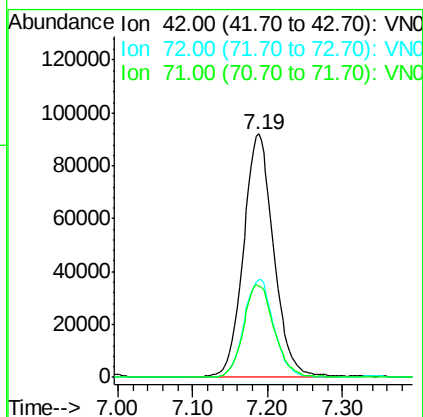
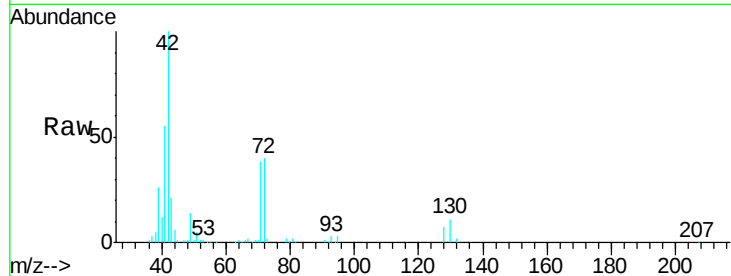




#29
Tetrahydrofuran
Concen: 99.653 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

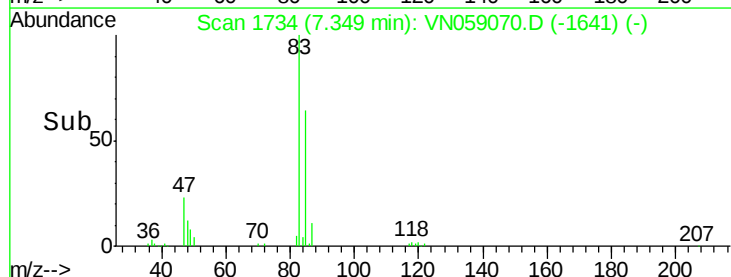
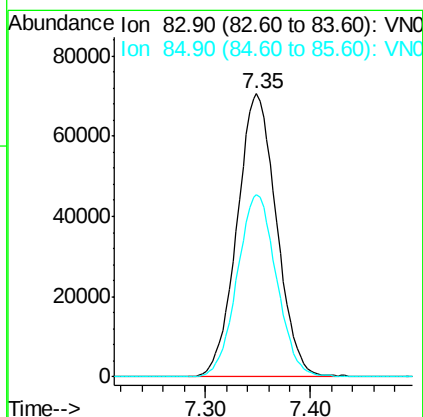
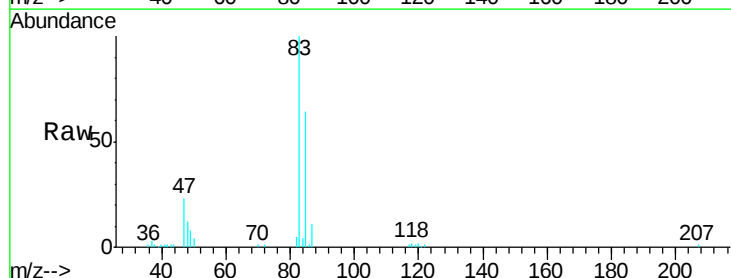
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

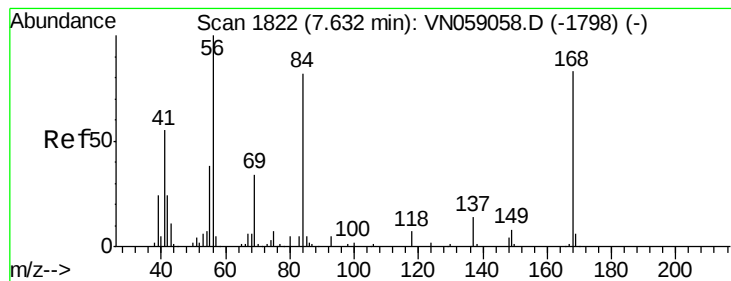
Tgt Ion: 42 Resp: 259122
Ion Ratio Lower Upper
42 100
72 39.8 32.7 49.1
71 38.3 31.2 46.8



#30
Chloroform
Concen: 19.416 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Tgt Ion: 83 Resp: 183275
Ion Ratio Lower Upper
83 100
85 64.4 50.9 76.3





#31

Cyclohexane

Concen: 19.193 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

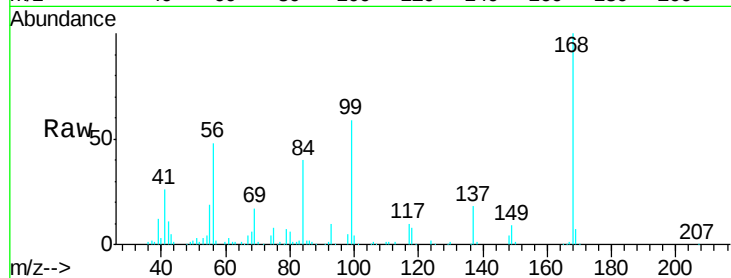
Tgt Ion: 56 Resp: 180711

Ion Ratio Lower Upper

56 100

69 36.7 27.2 40.8

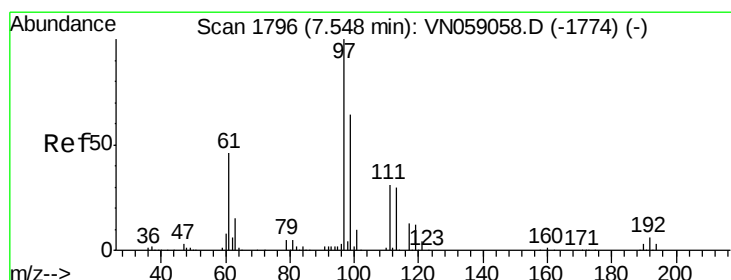
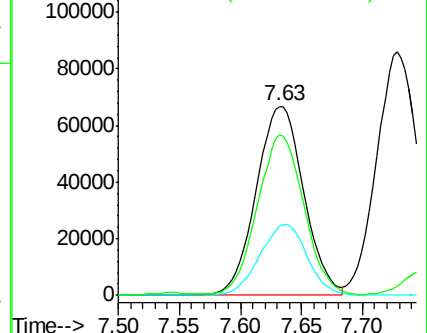
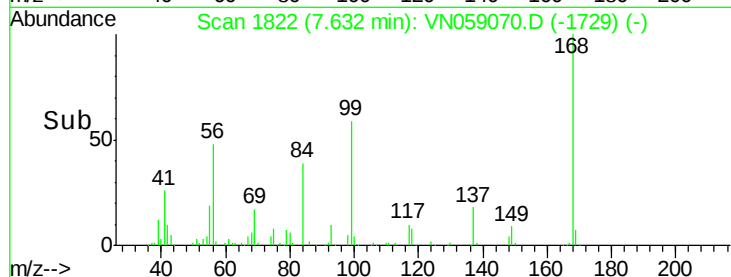
84 83.8 65.2 97.8



Abundance Ion 56.00 (55.70 to 56.70): VN059070.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN059070.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN059070.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 19.708 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

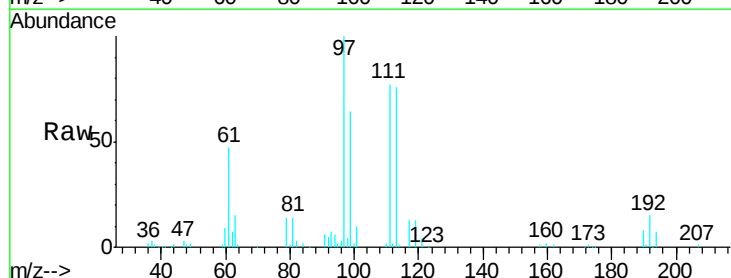
Tgt Ion: 97 Resp: 157392

Ion Ratio Lower Upper

97 100

99 64.9 50.7 76.1

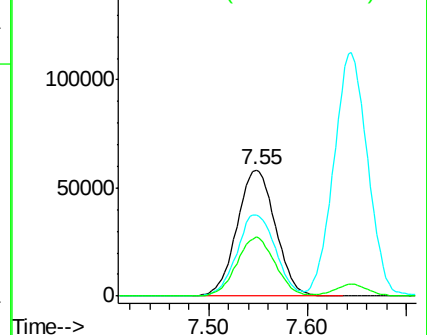
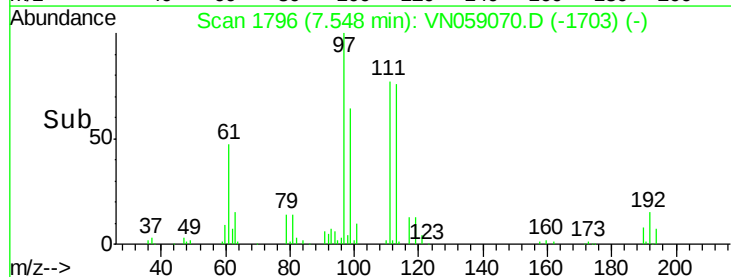
61 46.6 36.3 54.5

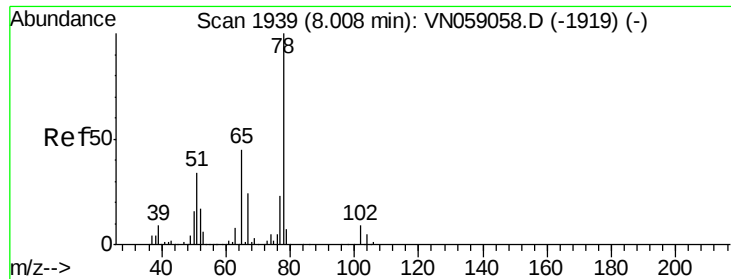


Abundance Ion 96.90 (96.60 to 97.60): VN059070.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN059070.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN059070.D (-1703) (-)





#33

1,2-Dichloroethane-d4

Concen: 51.678 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

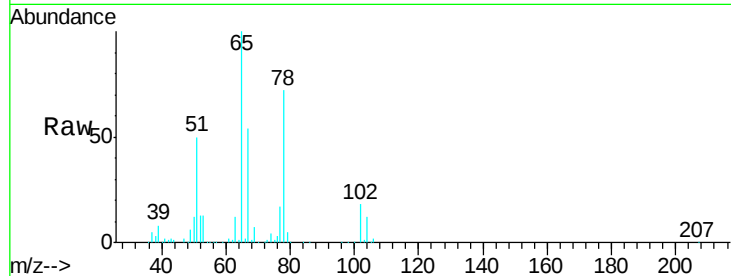
VN1101WBSD02

Tgt Ion: 65 Resp: 315855

Ion Ratio Lower Upper

65 100

67 54.1 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN059058.D (-1919) (-)

Ion 66.90 (66.60 to 67.60): VN059058.D (-1919) (-)

8.00

150000

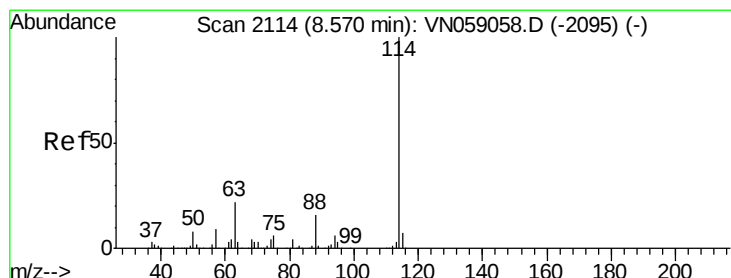
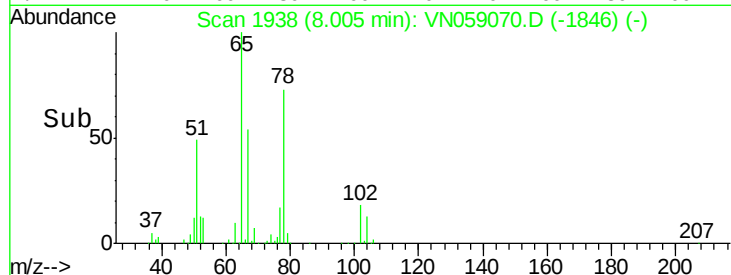
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

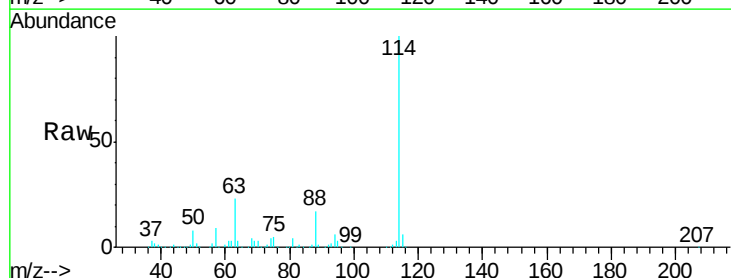
Tgt Ion: 114 Resp: 731881

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.2

88 16.6 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VN059058.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN059058.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN059058.D (-2095) (-)

8.57

400000

300000

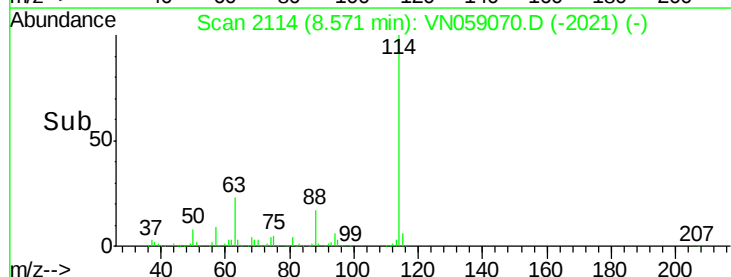
200000

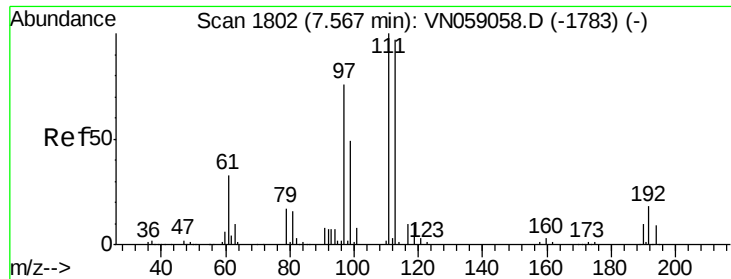
100000

0

8.50 8.55 8.60 8.65 8.70

Time-->

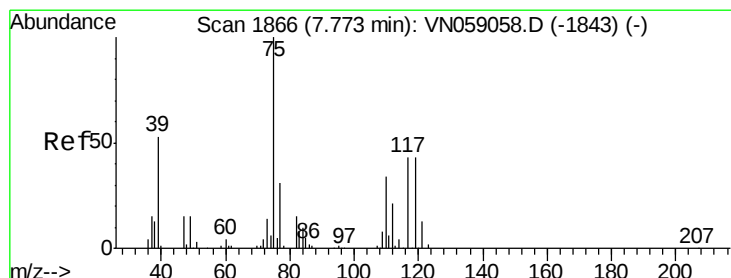
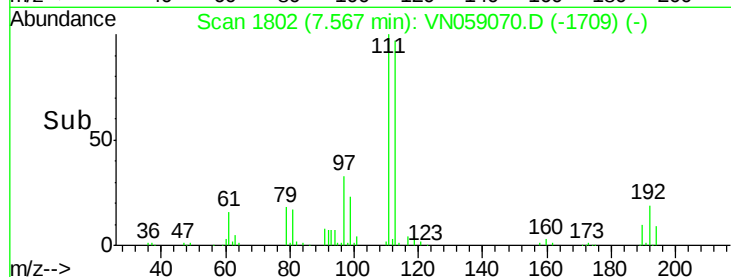
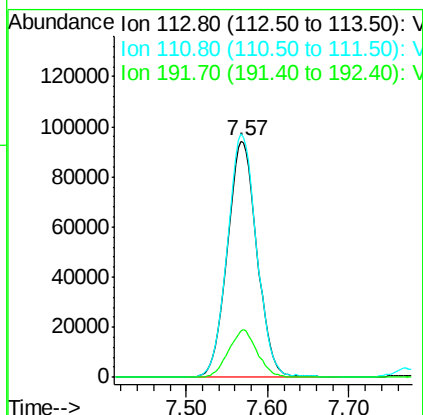
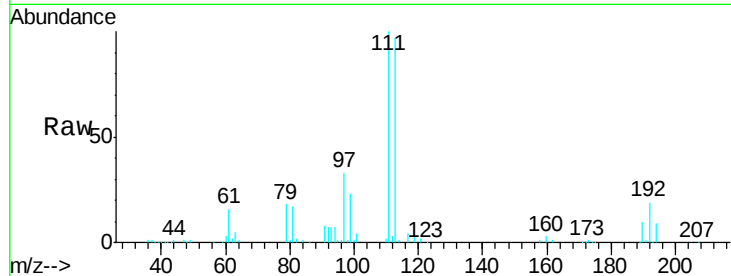




#35
 Dibromofluoromethane
 Concen: 50.757 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059070.D
 Acq: 1 Nov 2019 18:10

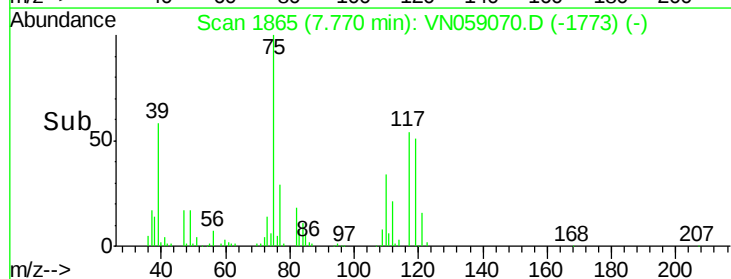
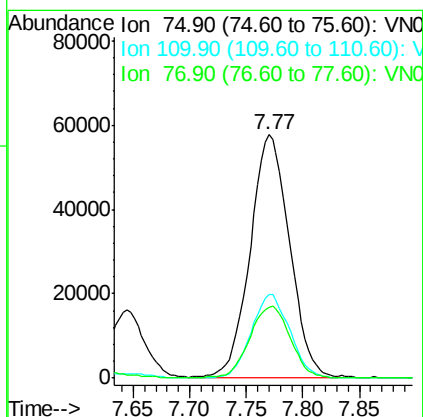
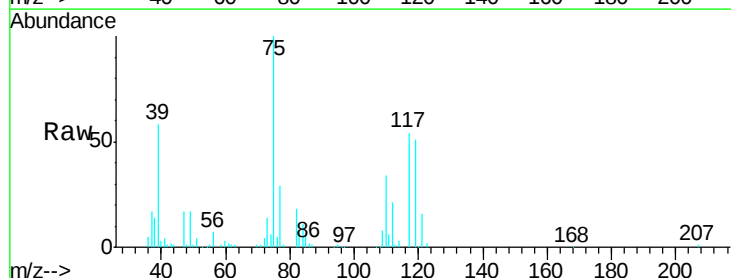
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

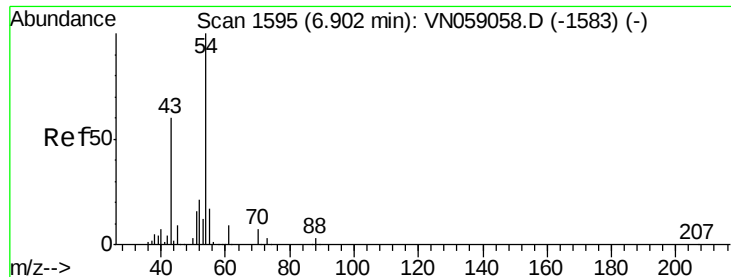
Tgt Ion: 113 Resp: 239652
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.9 124.3
 192 19.5 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 19.047 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059070.D
 Acq: 1 Nov 2019 18:10

Tgt Ion: 75 Resp: 138550
 Ion Ratio Lower Upper
 75 100
 110 34.0 16.9 50.6
 77 30.8 25.0 37.4

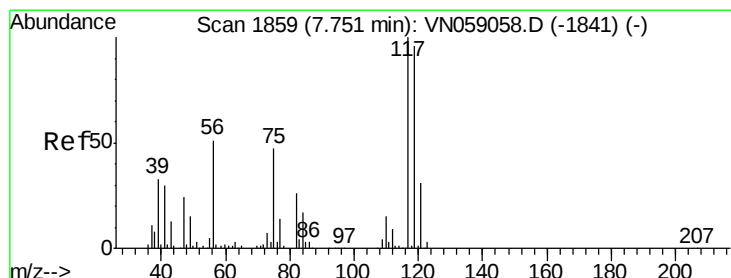
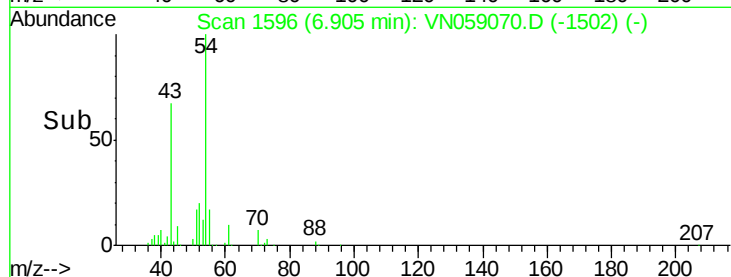
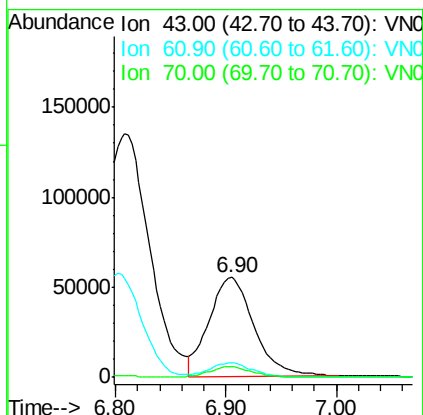
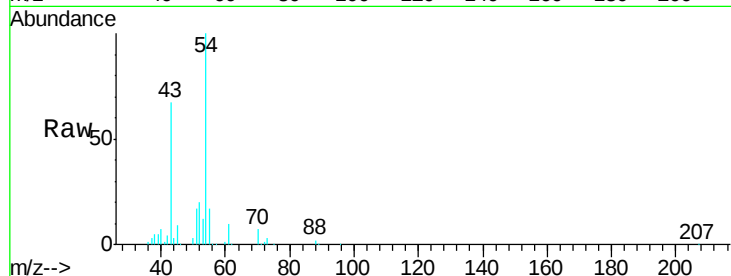




#37
Ethyl Acetate
Concen: 19.112 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

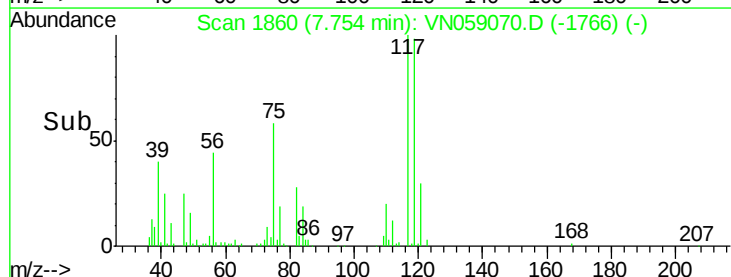
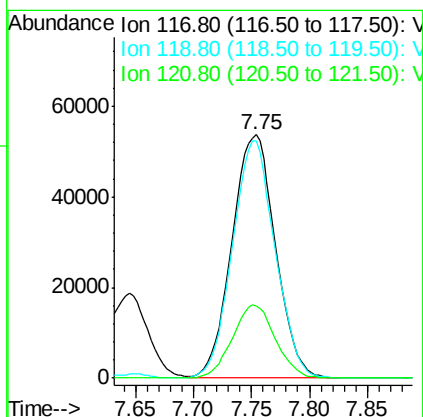
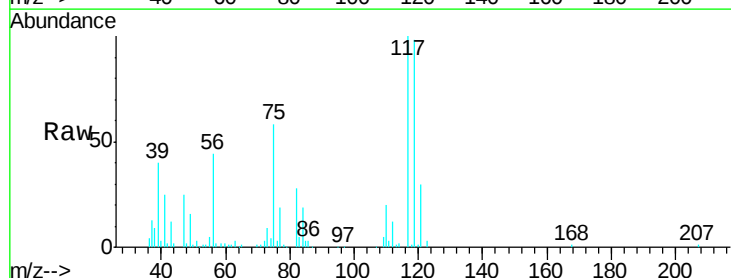
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

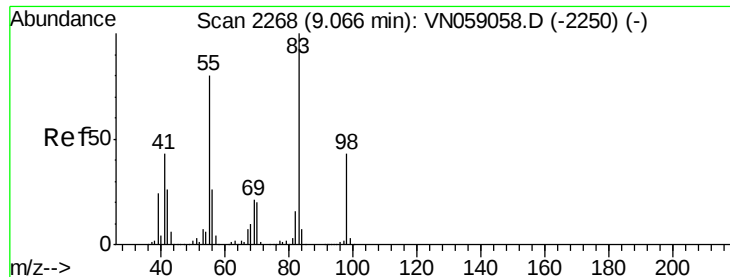
Tgt Ion: 43 Resp: 154465
Ion Ratio Lower Upper
43 100
61 13.5 11.2 16.8
70 10.4 8.0 12.0



#38
Carbon Tetrachloride
Concen: 19.801 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Tgt Ion: 117 Resp: 140372
Ion Ratio Lower Upper
117 100
119 97.6 76.6 114.8
121 29.7 24.6 37.0

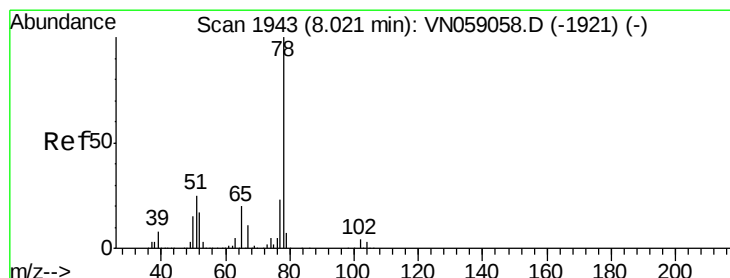
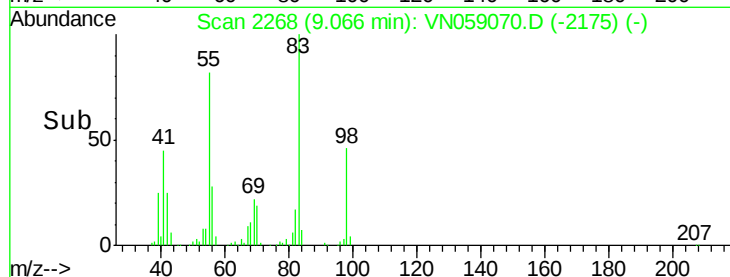
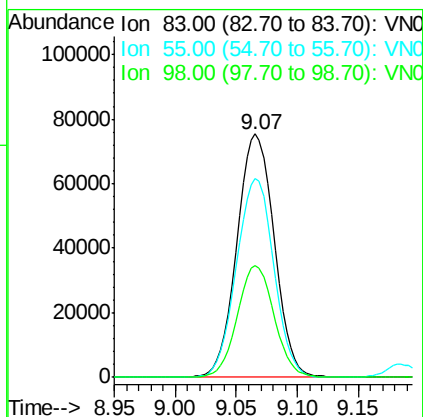
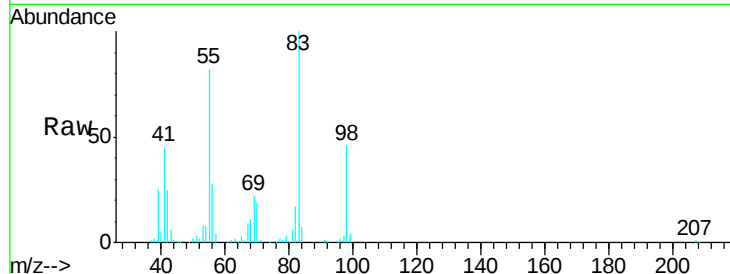




#39
Methylcyclohexane
Concen: 18.987 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

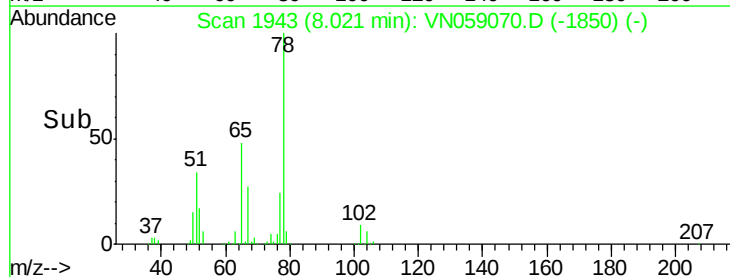
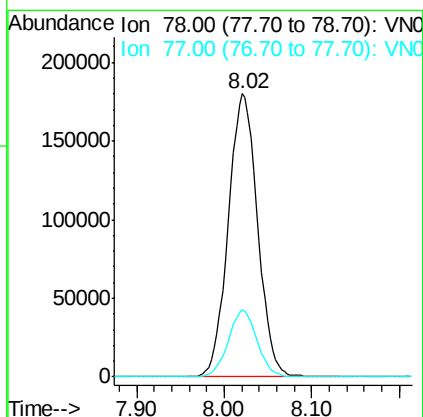
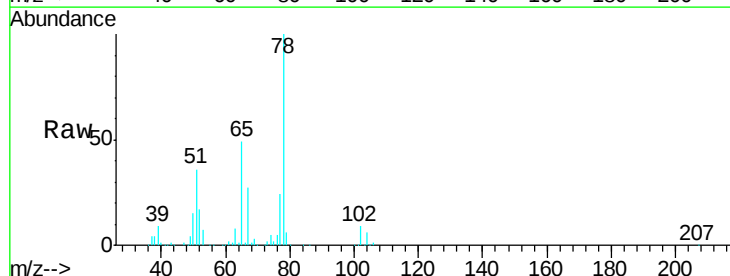
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

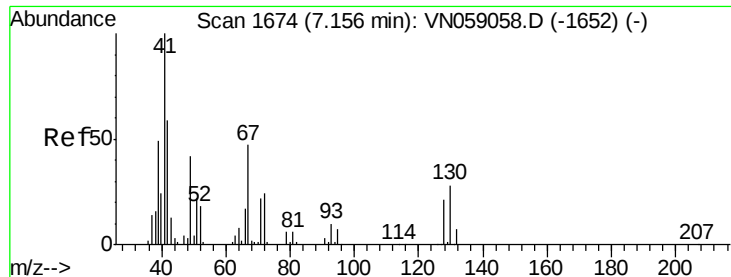
Tgt Ion: 83 Resp: 159639
Ion Ratio Lower Upper
83 100
55 81.8 64.1 96.1
98 46.1 34.3 51.5



#40
Benzene
Concen: 19.389 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Tgt Ion: 78 Resp: 418547
Ion Ratio Lower Upper
78 100
77 23.8 18.6 27.8

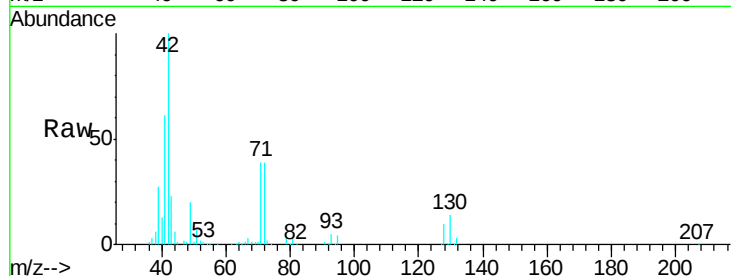




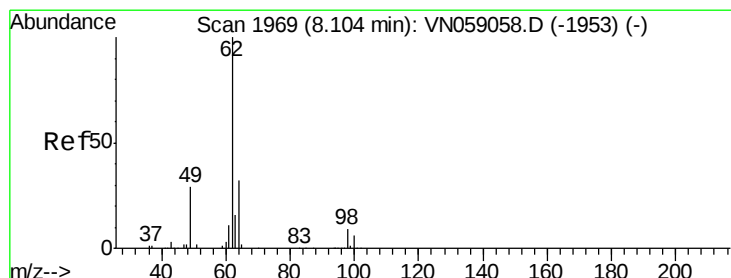
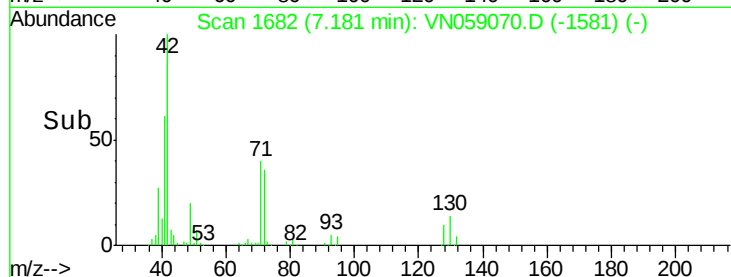
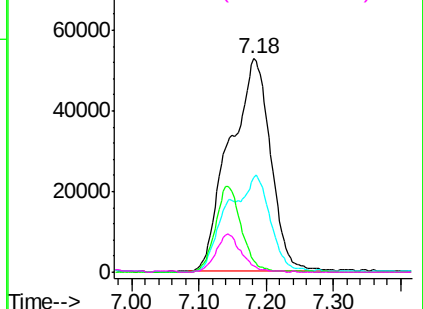
#41
Methacrylonitrile
Concen: 64.261 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion:	41	Resp:	224580
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

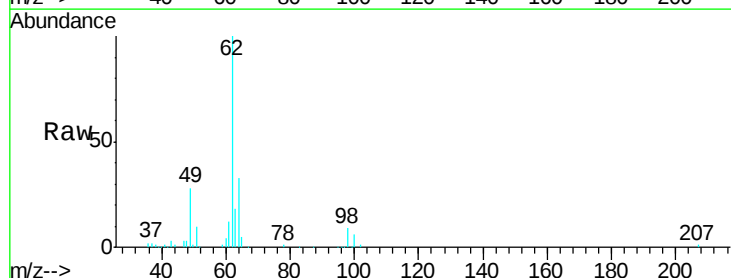


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

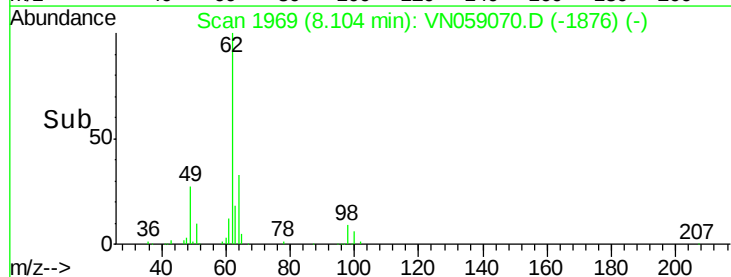
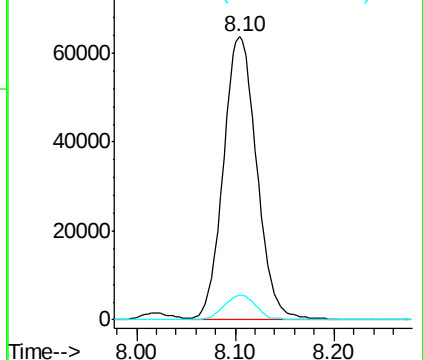


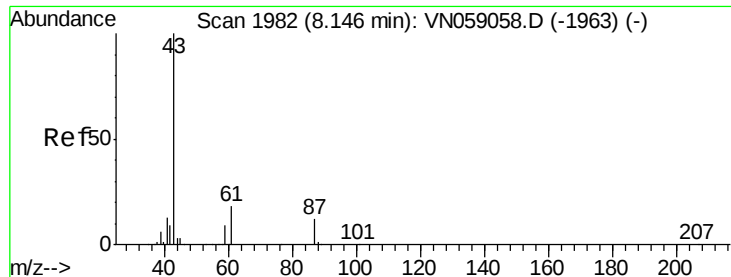
#42
1,2-Dichloroethane
Concen: 20.121 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Tgt Ion:	62	Resp:	150846
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

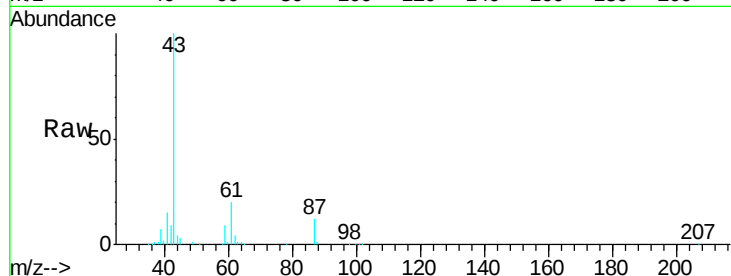




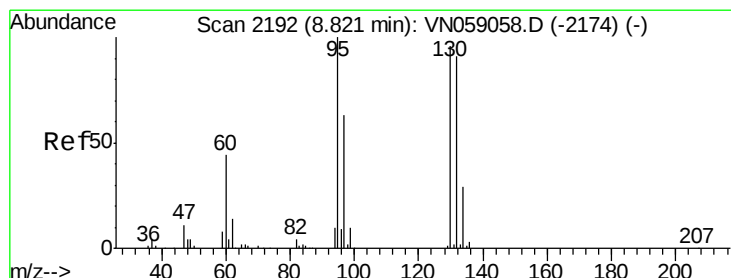
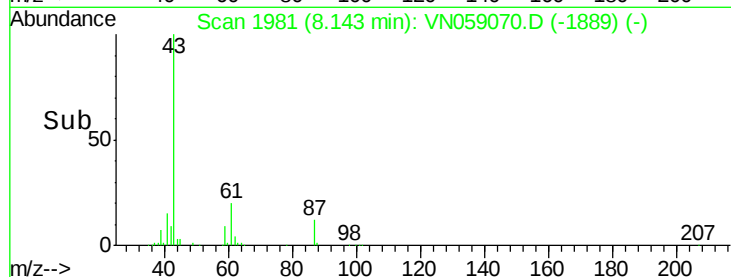
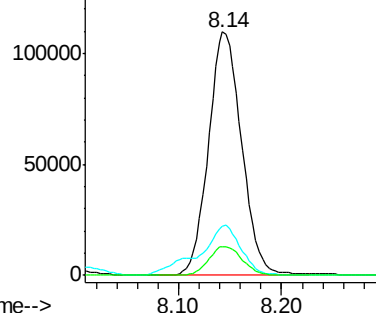
#43
Isopropyl Acetate
Concen: 19.286 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion: 43 Resp: 243752
Ion Ratio Lower Upper
43 100
61 26.2 20.5 30.7
87 12.1 9.8 14.8

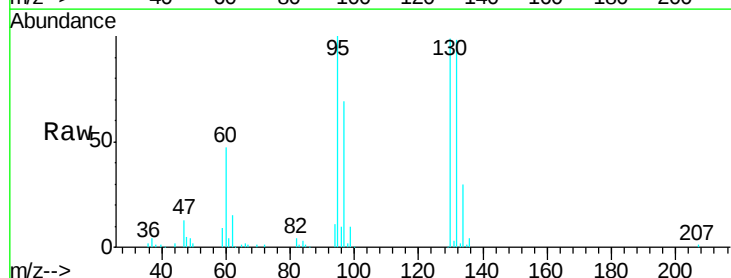


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

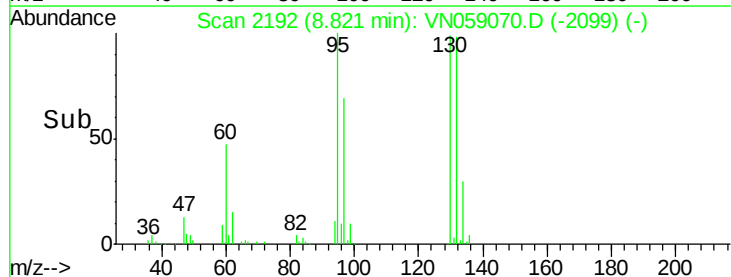
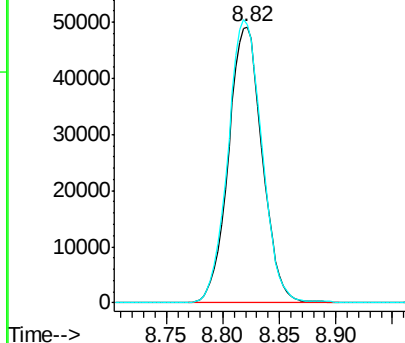


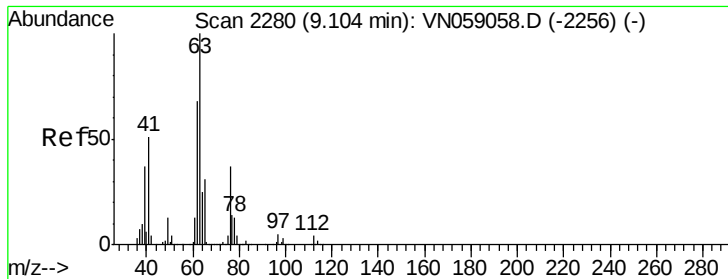
#44
Trichloroethene
Concen: 19.191 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Tgt Ion: 130 Resp: 101928
Ion Ratio Lower Upper
130 100
95 100.9 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: 19.665 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

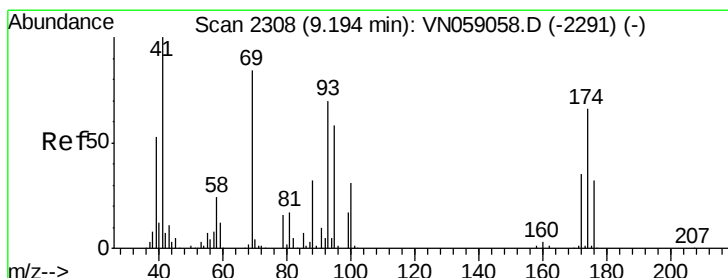
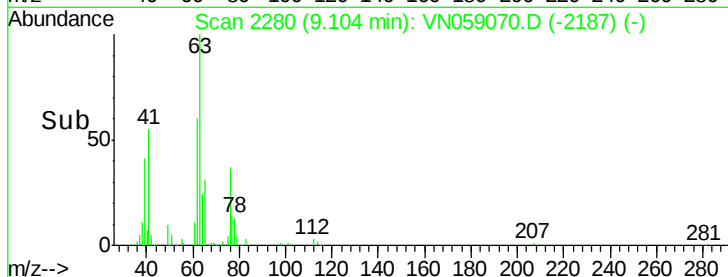
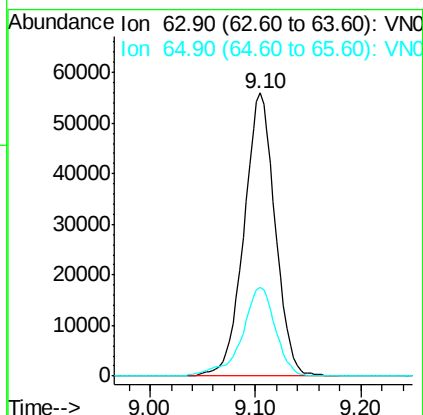
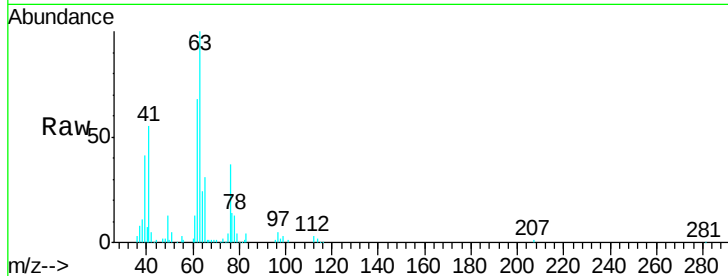
VN1101WBSD02

Tgt Ion: 63 Resp: 114805

Ion Ratio Lower Upper

63 100

65 31.4 25.0 37.6



#46

Dibromomethane

Concen: 18.915 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

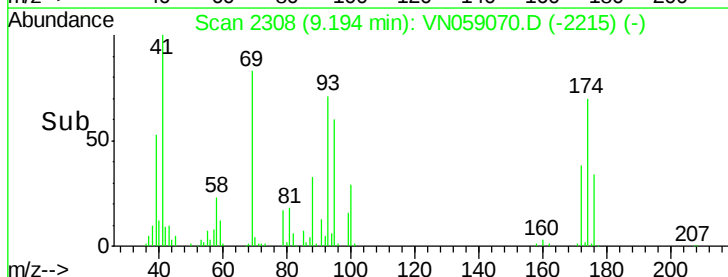
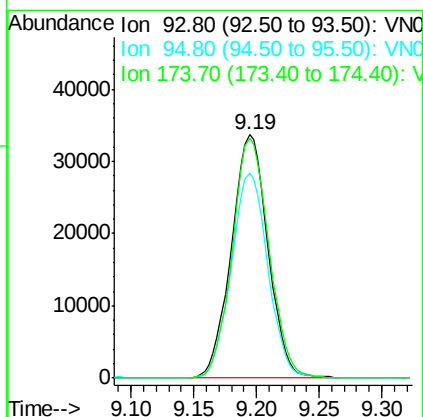
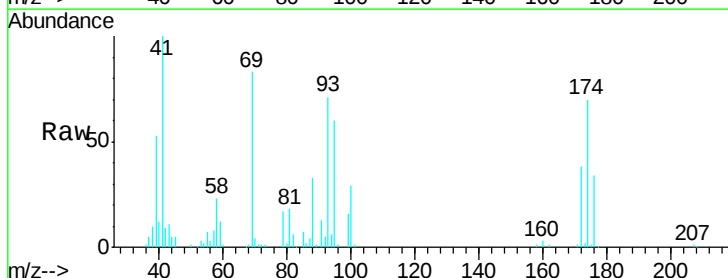
Tgt Ion: 93 Resp: 68249

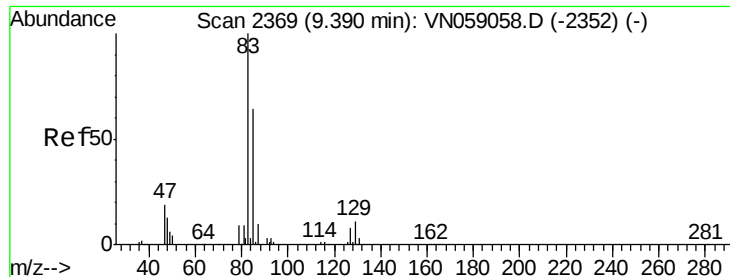
Ion Ratio Lower Upper

93 100

95 84.7 67.2 100.8

174 98.9 78.3 117.5





#47

Bromodichloromethane

Concen: 19.265 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

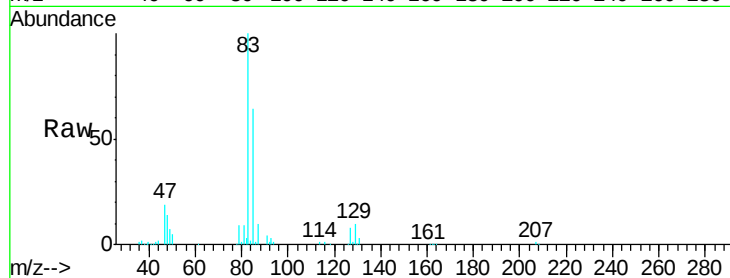
Tgt Ion: 83 Resp: 140775

Ion Ratio Lower Upper

83 100

85 63.5 51.2 76.8

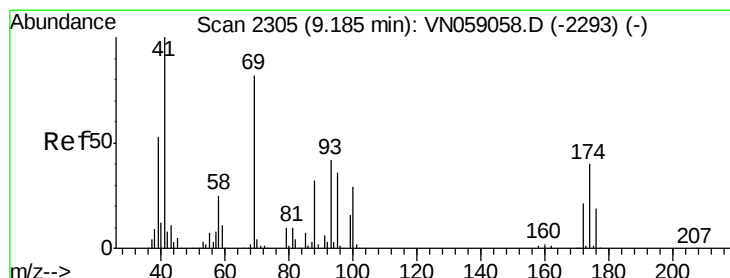
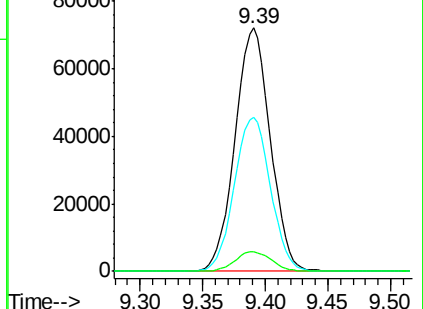
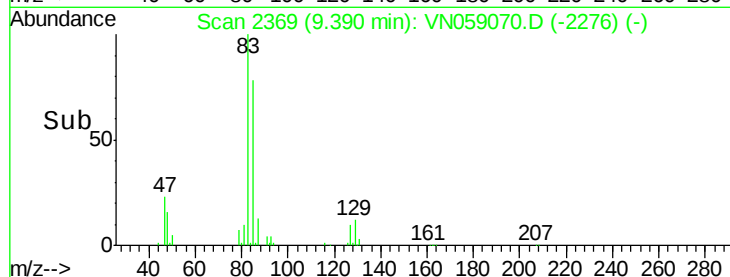
127 8.0 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN059070.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059070.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059070.D (-2276) (-)



#48

Methyl methacrylate

Concen: 18.750 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

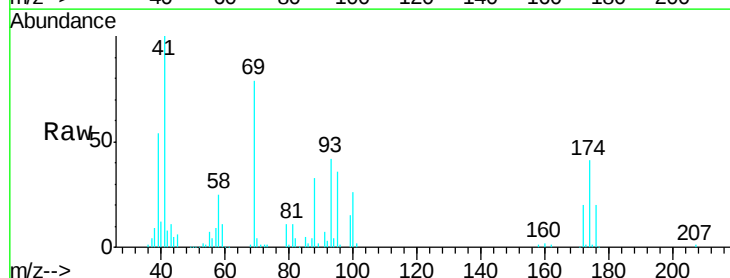
Tgt Ion: 41 Resp: 108055

Ion Ratio Lower Upper

41 100

69 83.8 67.1 100.7

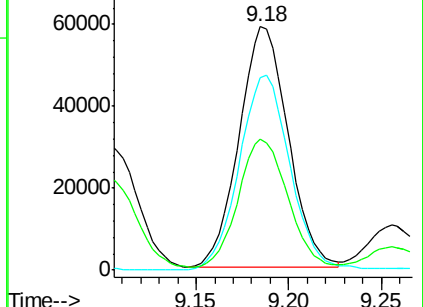
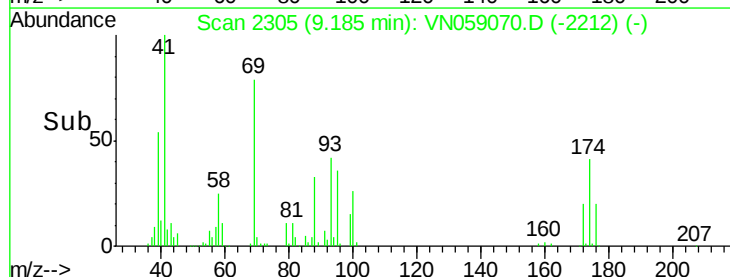
39 55.4 43.3 64.9

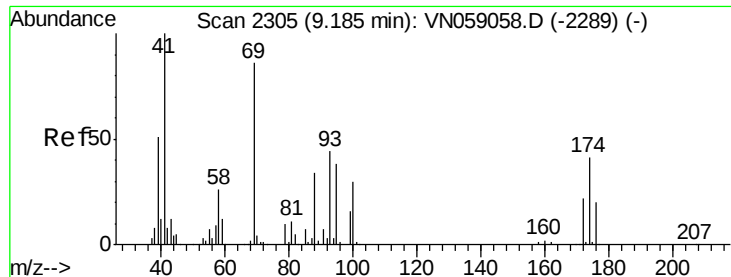


Abundance Ion 41.00 (40.70 to 41.70): VN059070.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059070.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059070.D (-2212) (-)

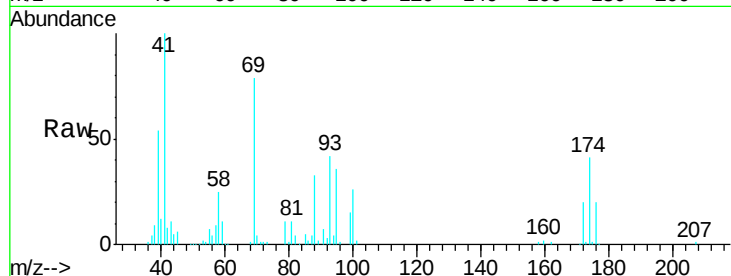




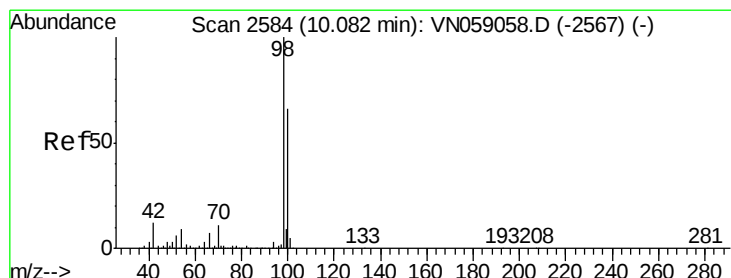
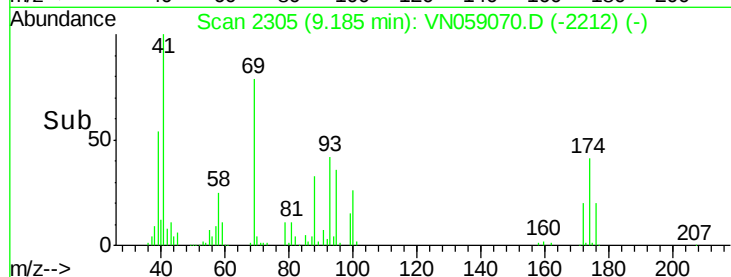
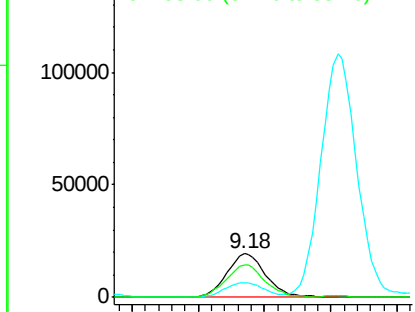
#49
1,4-Dioxane
Concen: 423.824 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion: 88 Resp: 39842
Ion Ratio Lower Upper
88 100
43 33.8 26.2 39.2
58 74.0 59.1 88.7

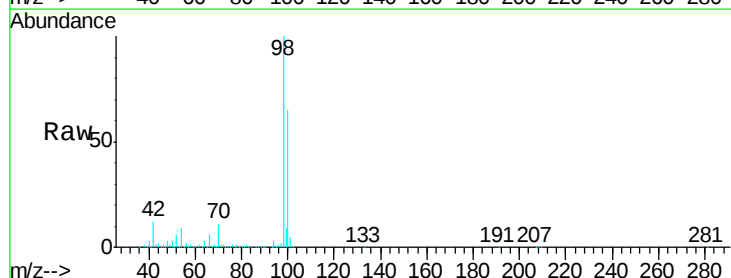


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

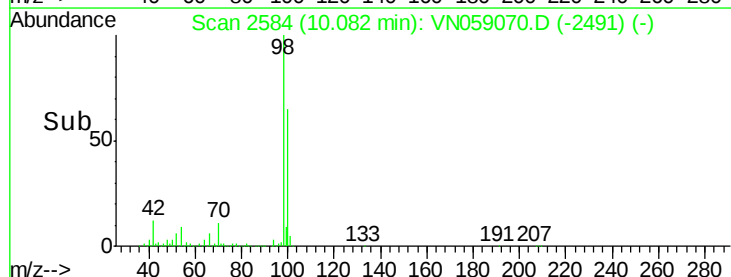
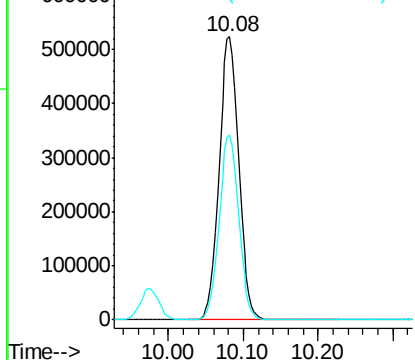


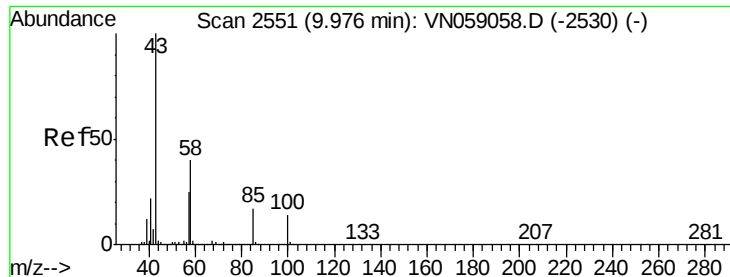
#50
Toluene-d8
Concen: 51.703 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Tgt Ion: 98 Resp: 950414
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



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

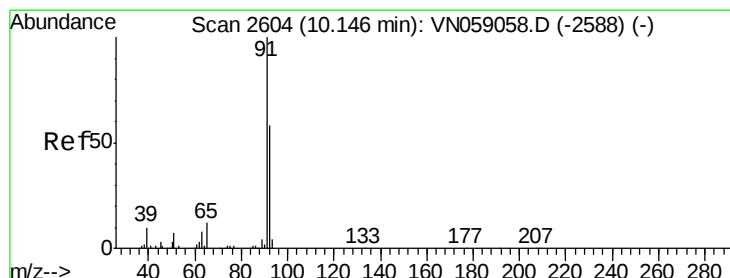
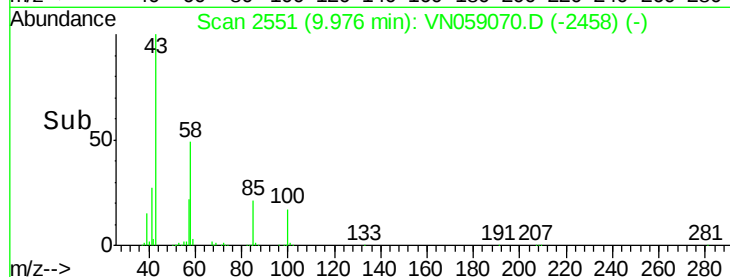
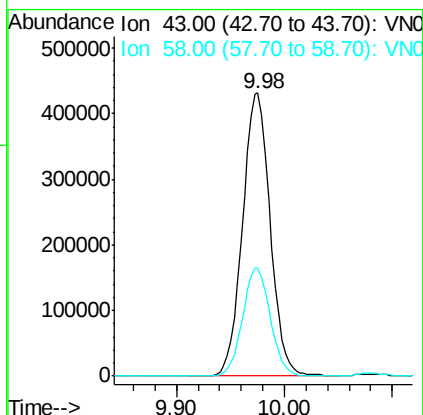
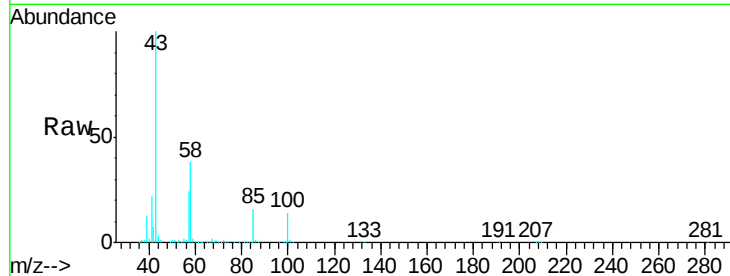




#51
 4-Methyl-2-Pentanone
 Concen: 104.773 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN059070.D
 Acq: 1 Nov 2019 18:10

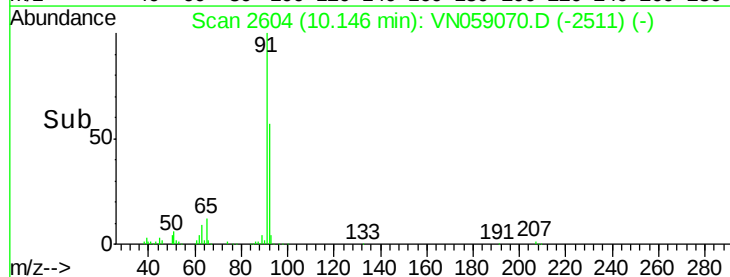
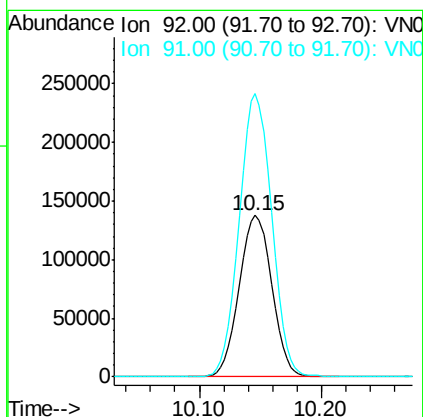
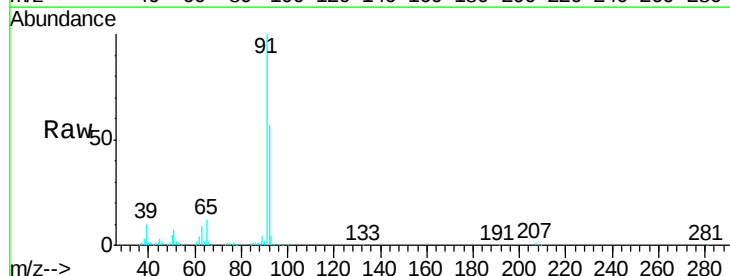
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

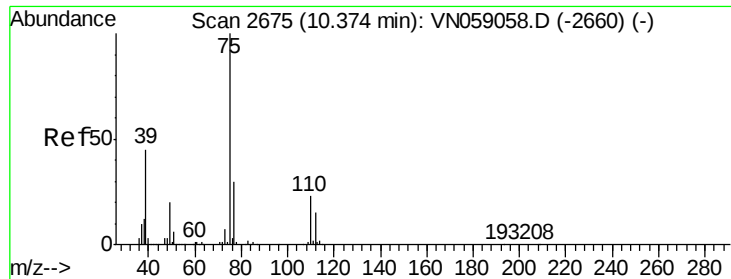
Tgt Ion: 43 Resp: 769267
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.8 47.6



#52
 Toluene
 Concen: 20.216 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059070.D
 Acq: 1 Nov 2019 18:10

Tgt Ion: 92 Resp: 255714
 Ion Ratio Lower Upper
 92 100
 91 173.5 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 19.013 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampled :

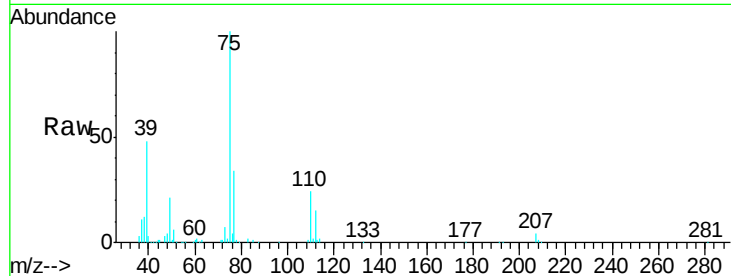
VN1101WBSD02

Tgt Ion: 75 Resp: 160657

Ion Ratio Lower Upper

75 100

77 32.5 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

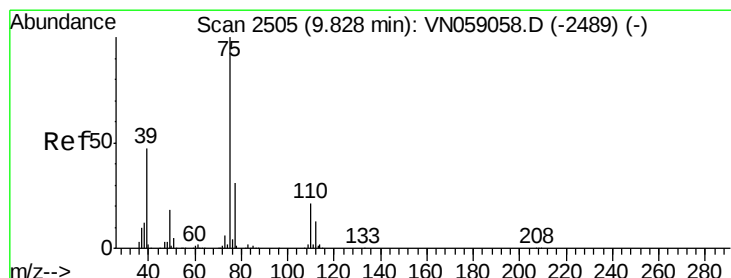
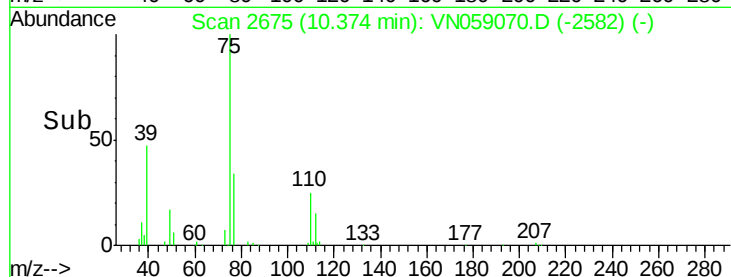
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.085 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

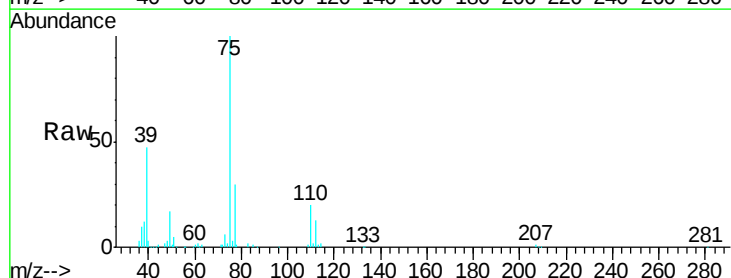
Tgt Ion: 75 Resp: 179011

Ion Ratio Lower Upper

75 100

77 30.2 24.6 37.0

39 46.6 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

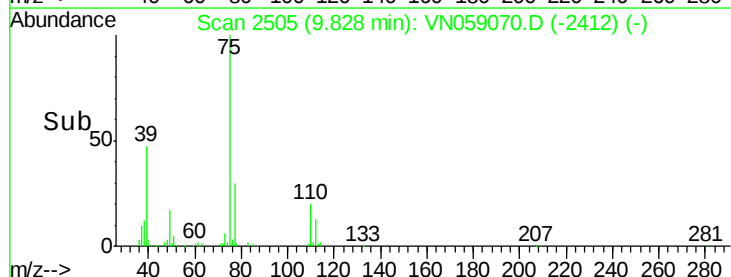
9.83

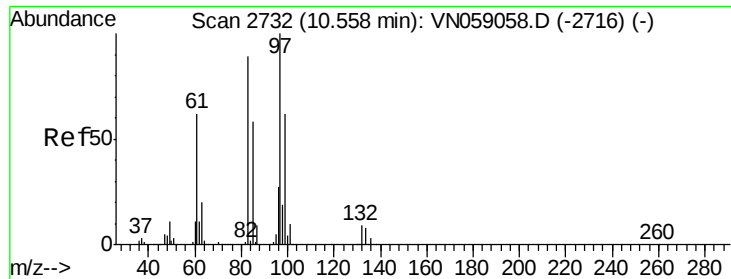
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.725 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

Tgt Ion: 97 Resp: 101636

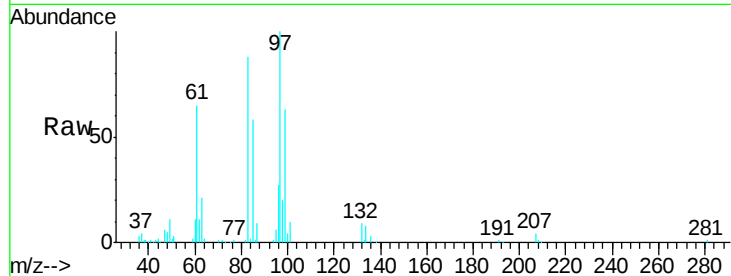
Ion Ratio Lower Upper

97 100

83 88.0 71.4 107.2

85 57.6 46.6 70.0

99 63.3 49.7 74.5

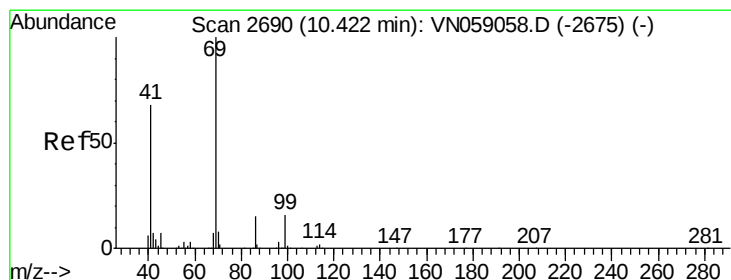
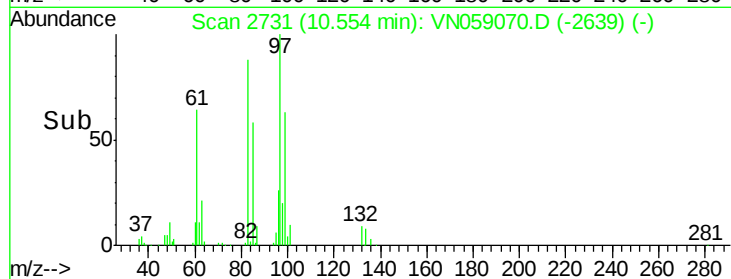
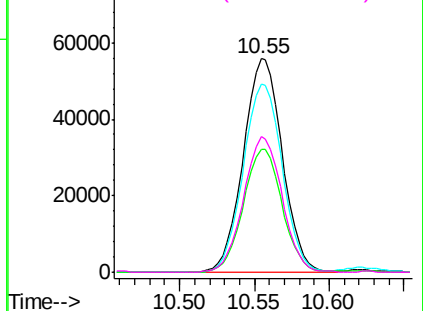


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 18.674 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

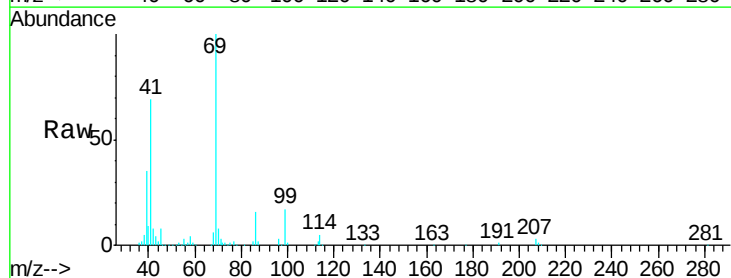
Tgt Ion: 69 Resp: 152715

Ion Ratio Lower Upper

69 100

41 67.8 53.8 80.8

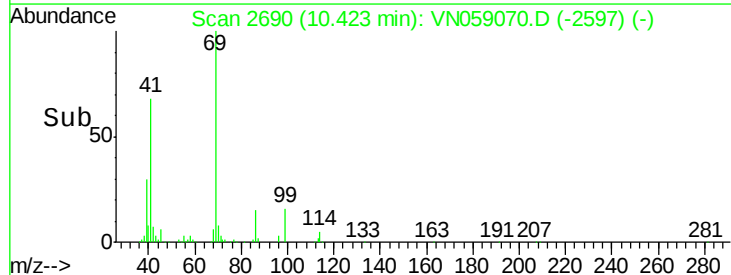
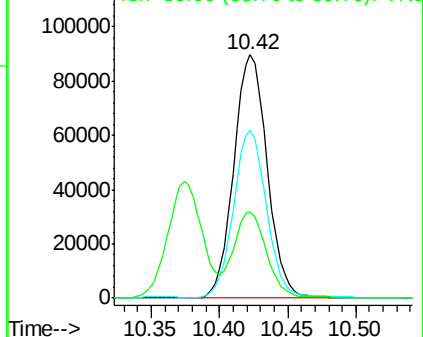
39 35.0 26.2 39.2

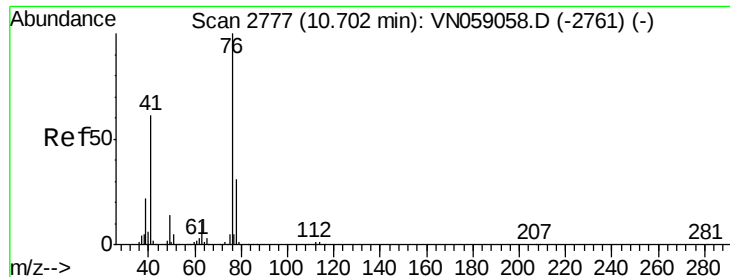


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.489 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

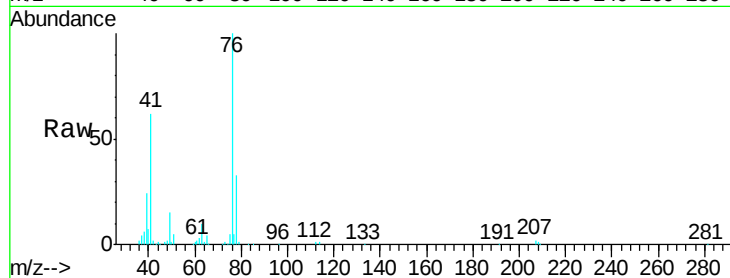
VN1101WBSD02

Tgt Ion: 76 Resp: 174642

Ion Ratio Lower Upper

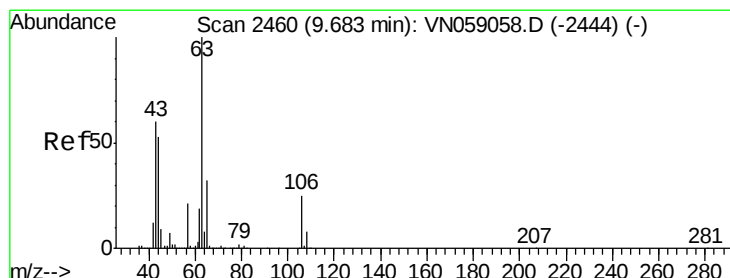
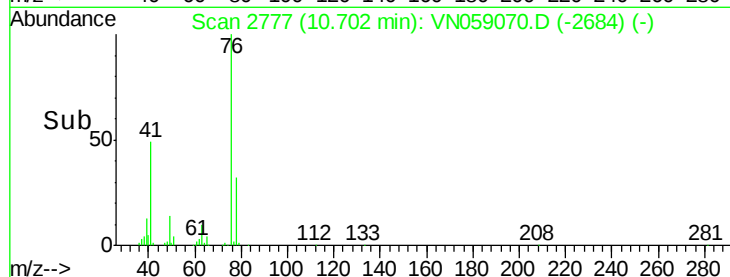
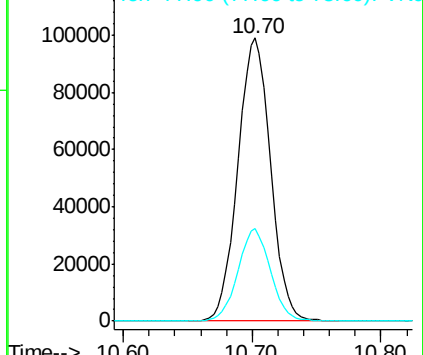
76 100

78 32.6 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 100.032 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059070.D

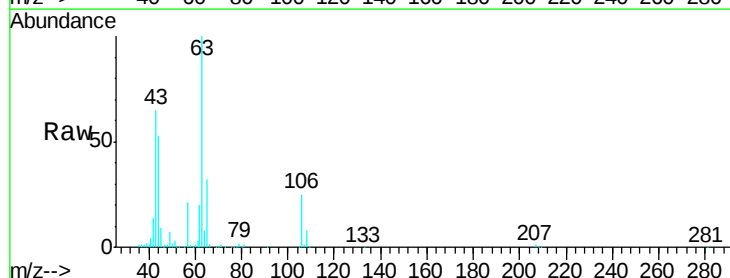
Acq: 1 Nov 2019 18:10

Tgt Ion: 63 Resp: 314861

Ion Ratio Lower Upper

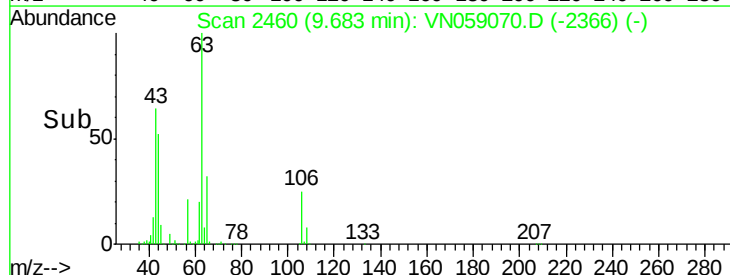
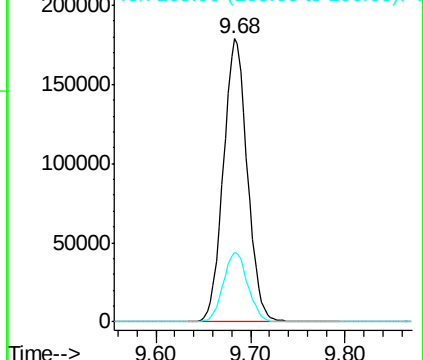
63 100

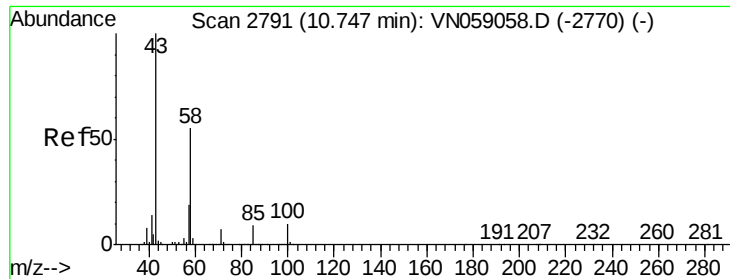
106 25.1 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

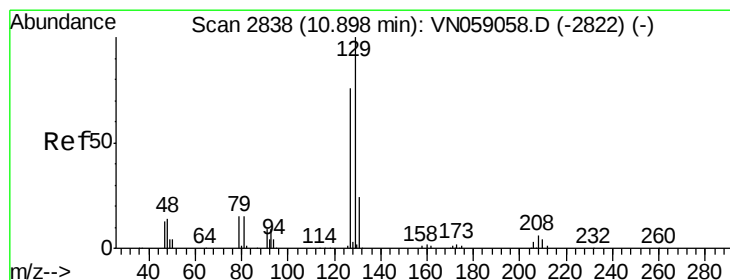
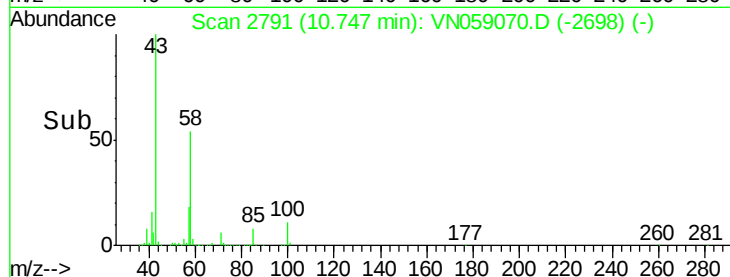
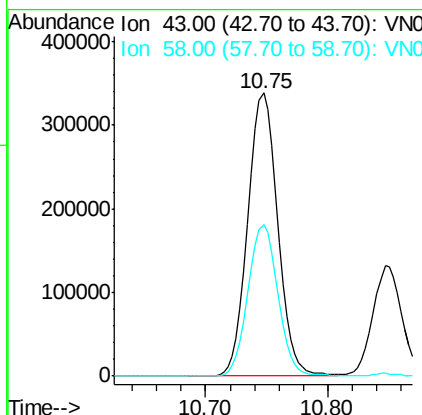
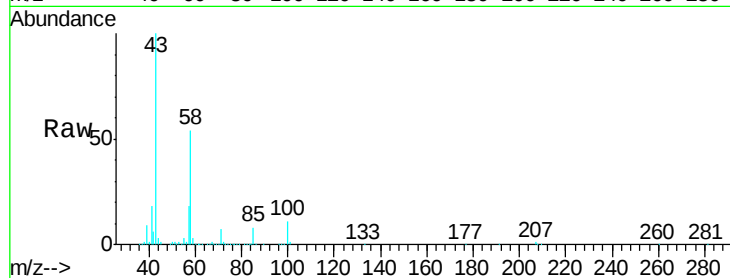




#59
2-Hexanone
Concen: 102.320 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

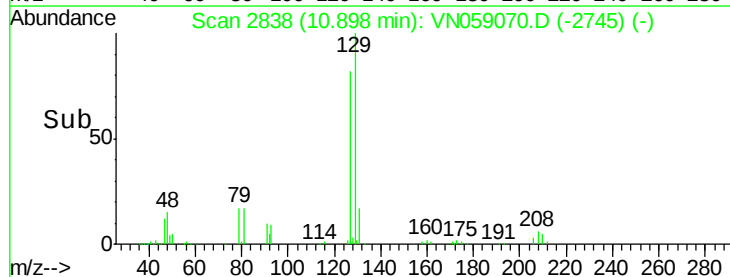
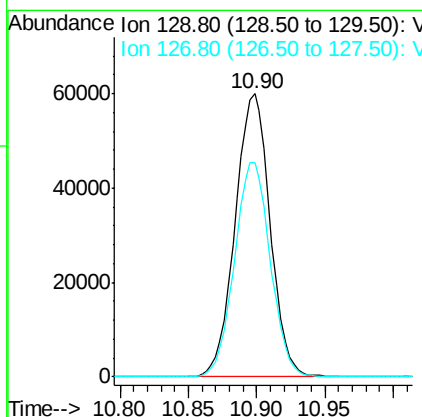
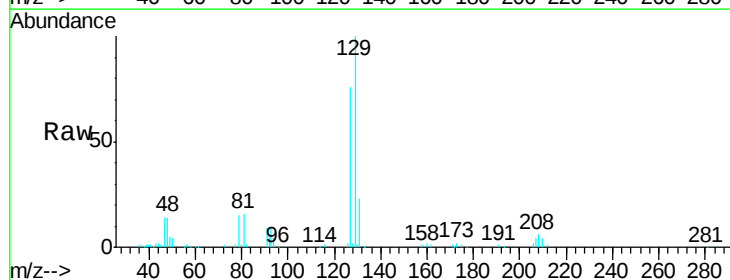
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

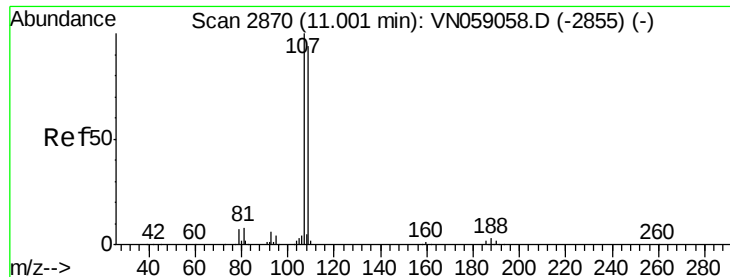
Tgt Ion: 43 Resp: 570731
Ion Ratio Lower Upper
43 100
58 53.5 27.4 82.2



#60
Dibromochloromethane
Concen: 19.194 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Tgt Ion: 129 Resp: 106582
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 19.934 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

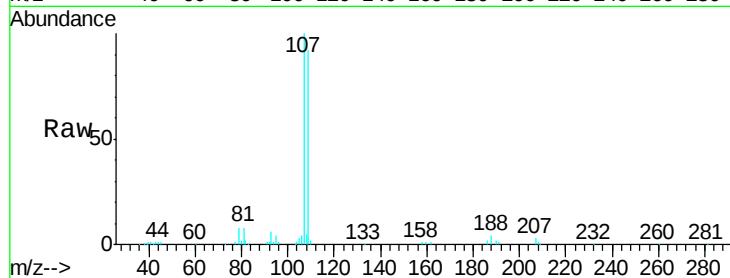
VN1101WBSD02

Tgt Ion: 107 Resp: 104054

Ion Ratio Lower Upper

107 100

109 93.4 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

60000

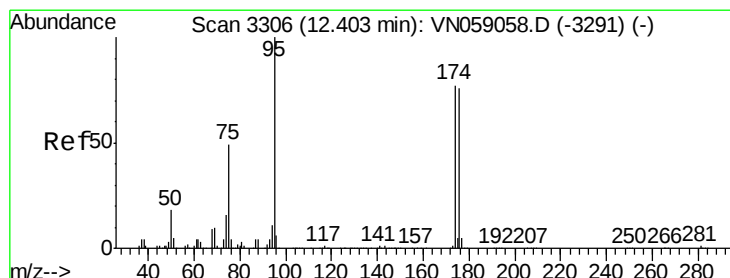
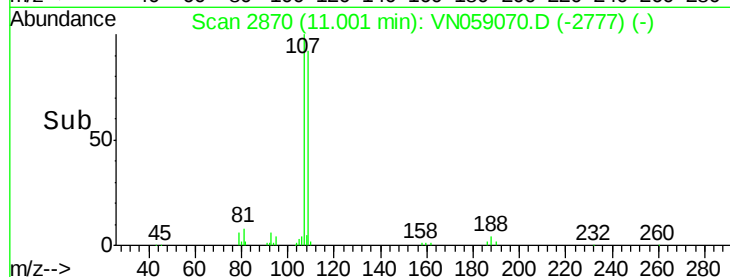
40000

20000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 49.050 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

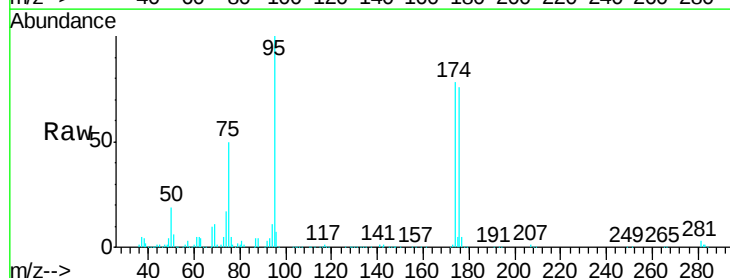
Tgt Ion: 95 Resp: 324118

Ion Ratio Lower Upper

95 100

174 78.3 0.0 155.8

176 76.5 0.0 151.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

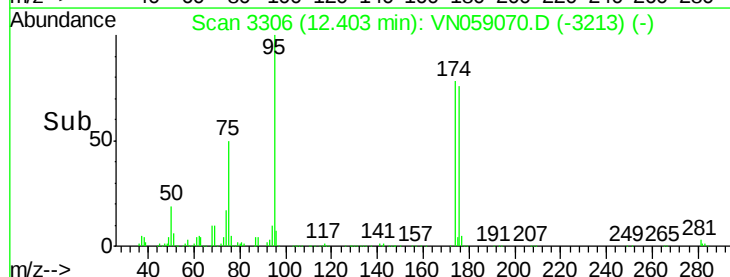
100000

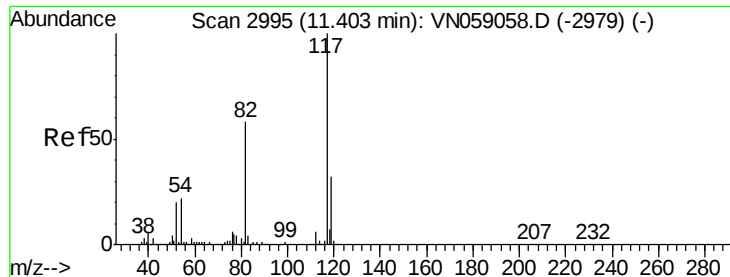
50000

0

Time-->

12.35 12.40 12.45 12.50

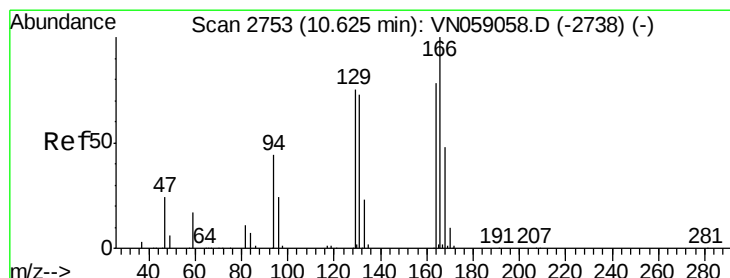
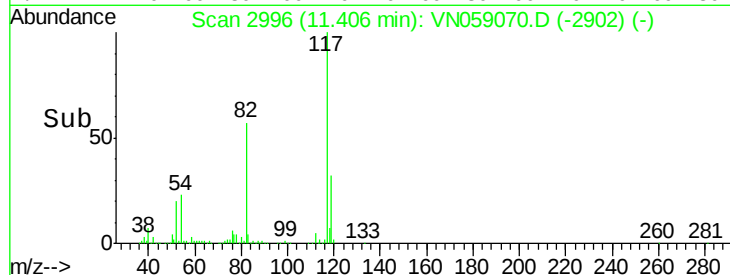
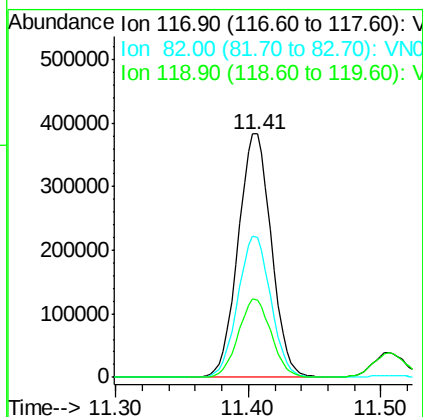
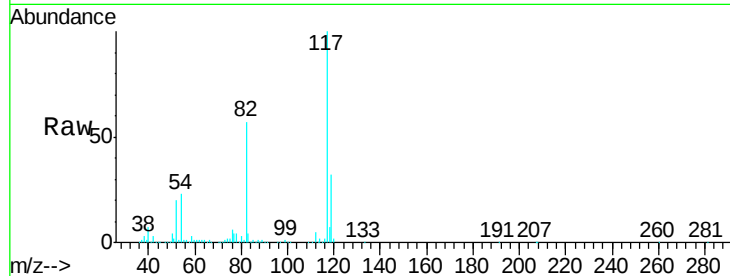




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

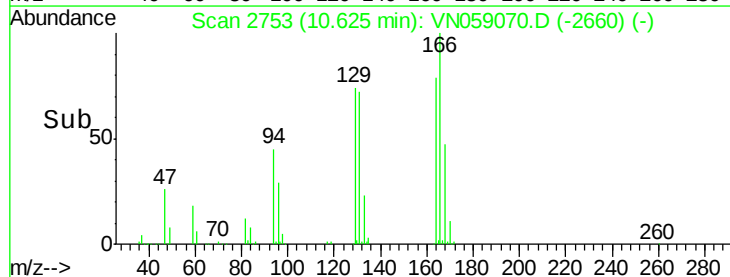
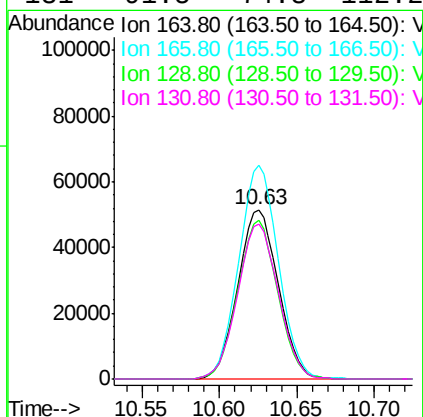
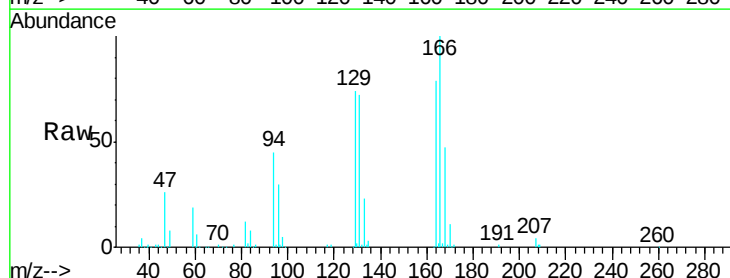
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

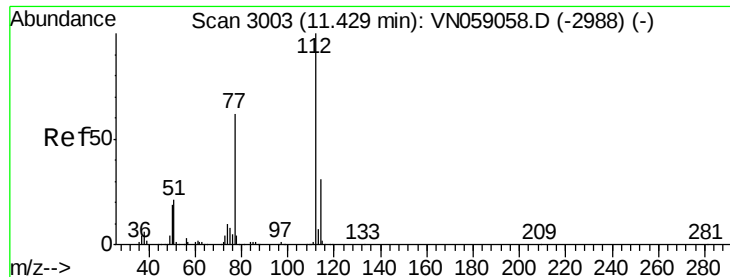
Tgt Ion:117 Resp: 665421
Ion Ratio Lower Upper
117 100
82 57.4 46.0 69.0
119 31.8 25.6 38.4



#64
Tetrachloroethene
Concen: 20.138 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Tgt Ion:164 Resp: 93607
Ion Ratio Lower Upper
164 100
166 126.3 102.7 154.1
129 93.6 77.3 115.9
131 91.5 74.8 112.2

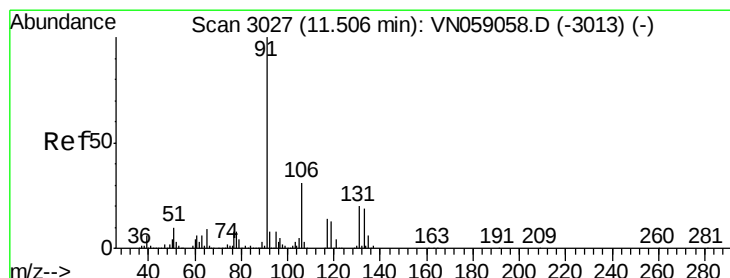
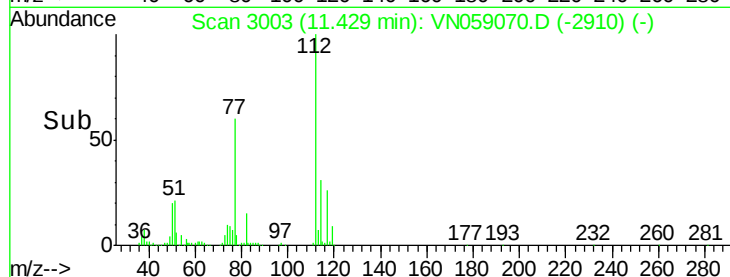
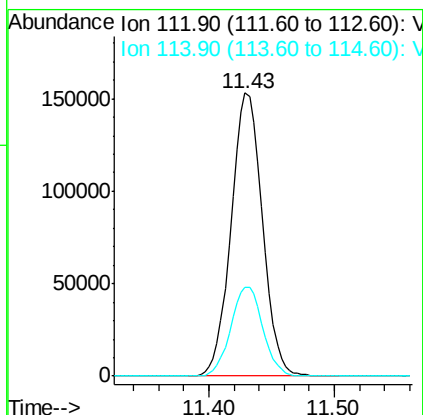
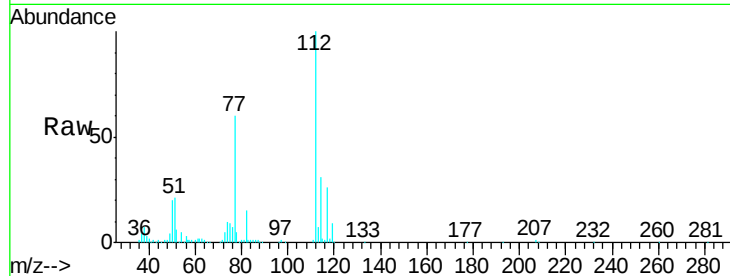




#65
Chlorobenzene
Concen: 19.418 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

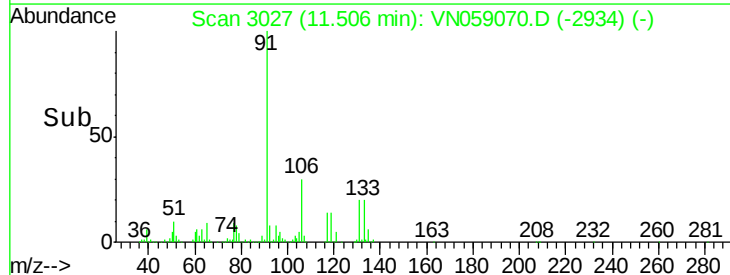
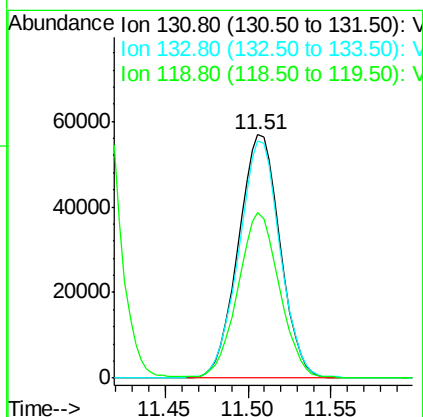
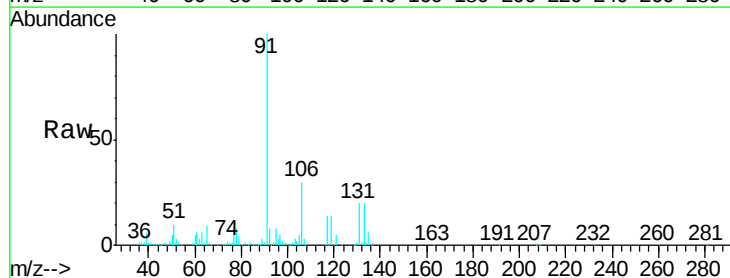
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

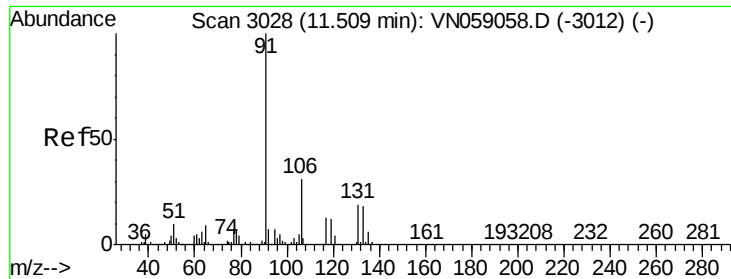
Tgt Ion:112 Resp: 265197
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.777 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Tgt Ion:131 Resp: 99373
Ion Ratio Lower Upper
131 100
133 97.3 47.9 143.6
119 67.7 33.5 100.5





#67

Ethyl Benzene

Concen: 20.135 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

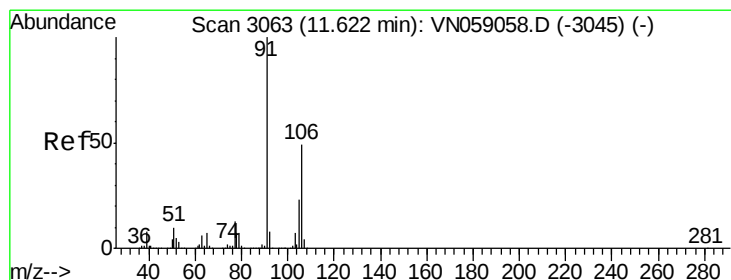
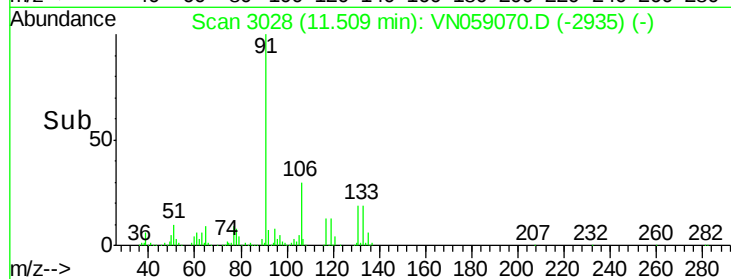
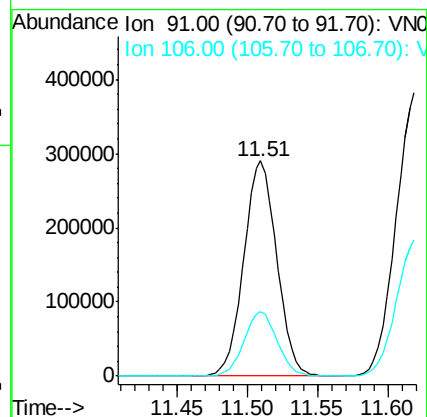
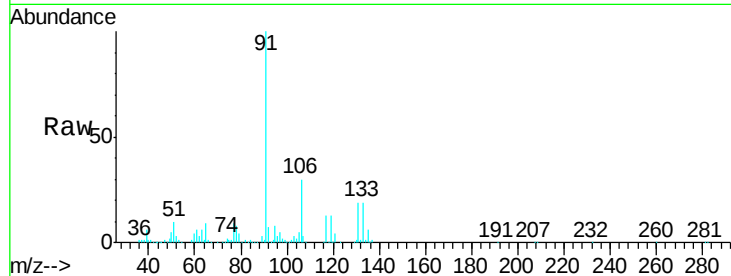
VN1101WBSD02

Tgt Ion: 91 Resp: 476038

Ion Ratio Lower Upper

91 100

106 30.2 24.6 36.8



#68

m/p-Xylenes

Concen: 40.288 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059070.D

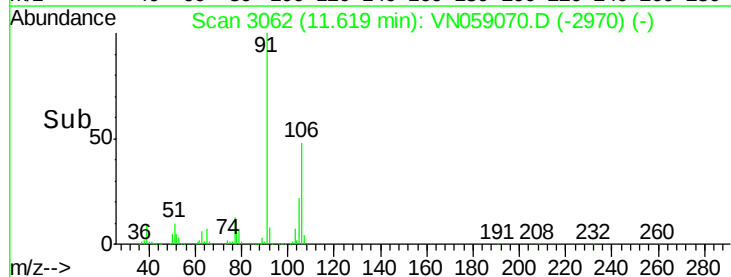
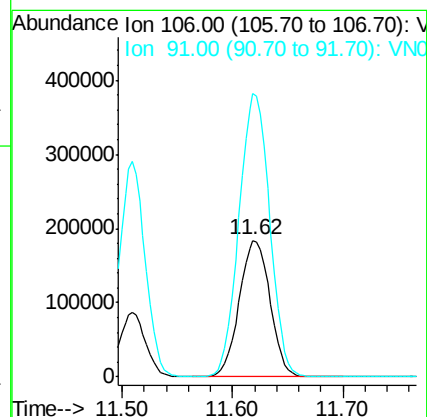
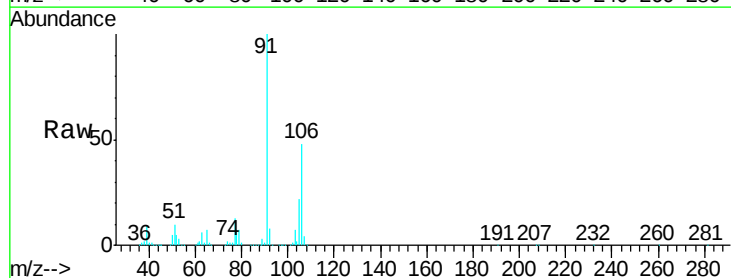
Acq: 1 Nov 2019 18:10

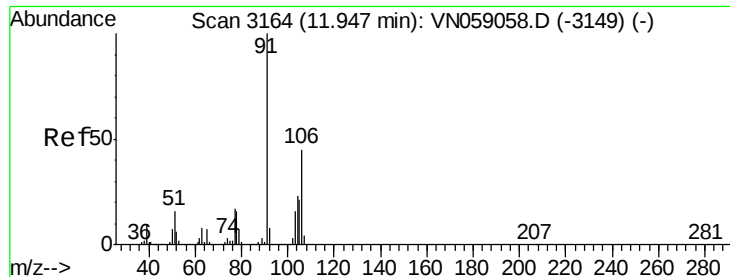
Tgt Ion: 106 Resp: 355667

Ion Ratio Lower Upper

106 100

91 207.0 165.7 248.5

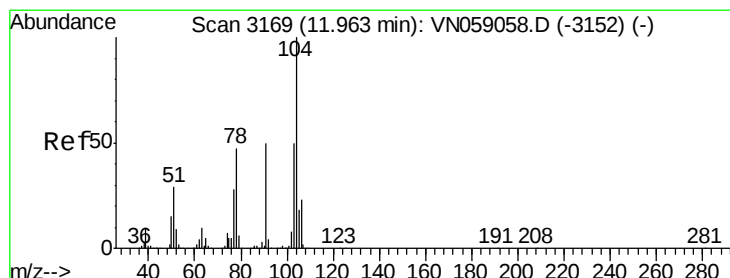
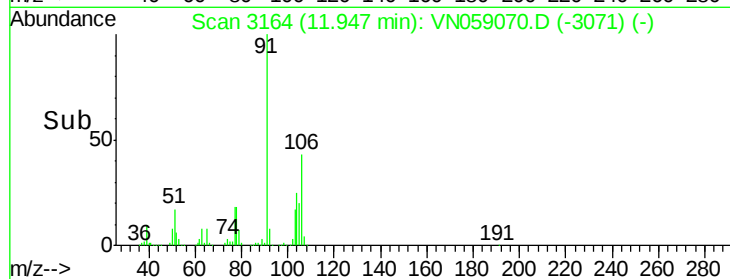
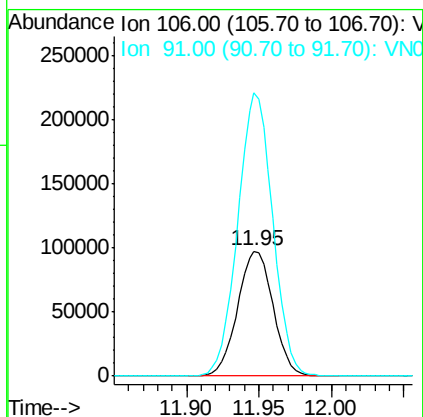
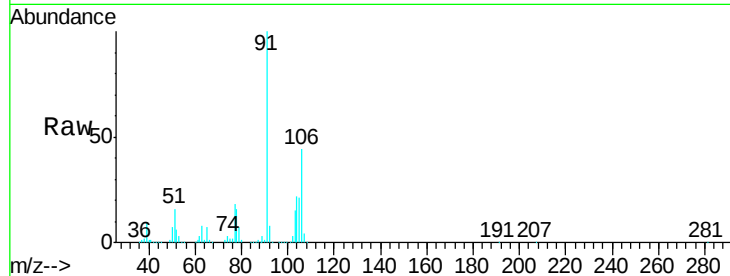




#69
o-Xylene
Concen: 19.680 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

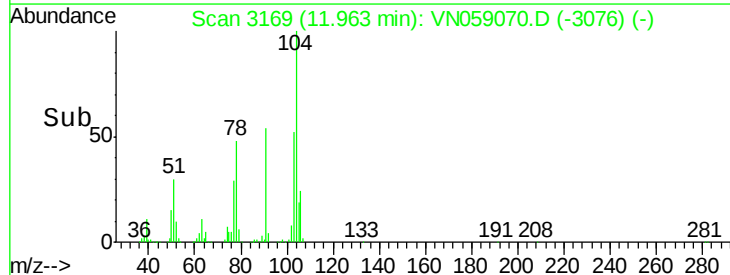
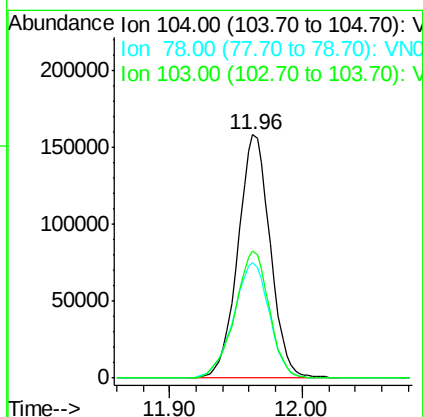
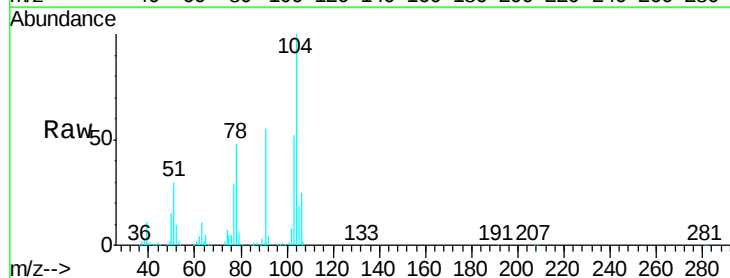
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

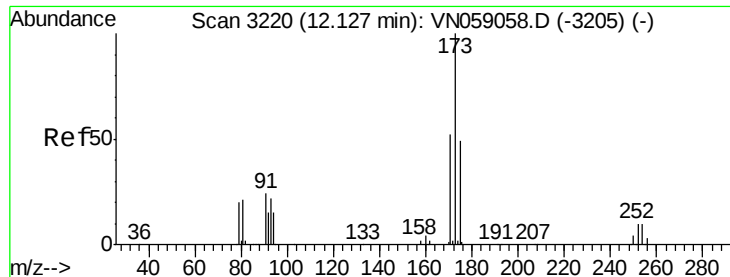
Tgt Ion:106 Resp: 165906
Ion Ratio Lower Upper
106 100
91 222.5 110.4 331.2



#70
Styrene
Concen: 19.610 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Tgt Ion:104 Resp: 267895
Ion Ratio Lower Upper
104 100
78 52.8 41.2 61.8
103 55.8 43.9 65.9

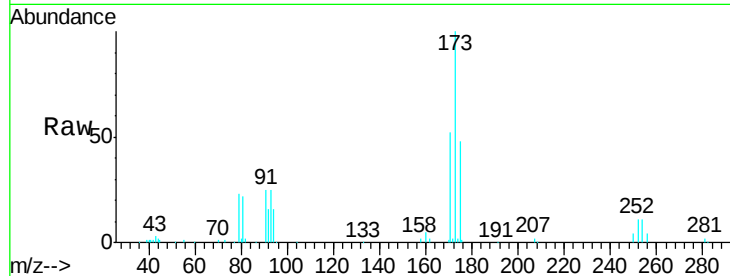




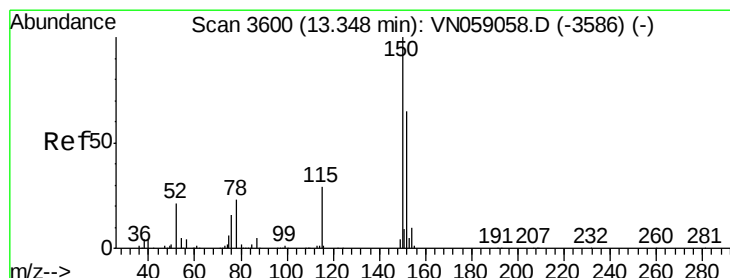
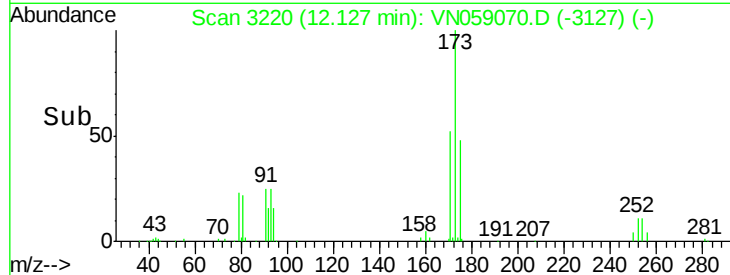
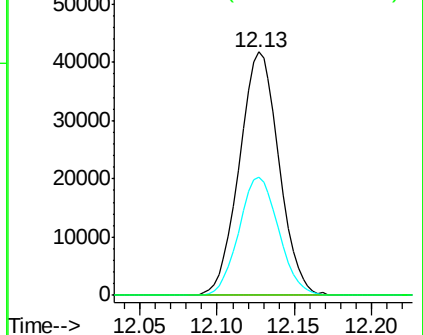
#71
Bromoform
Concen: 19.179 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion:173 Resp: 74592
Ion Ratio Lower Upper
173 100
175 48.5 24.4 73.2
254 0.0 0.1 0.1#

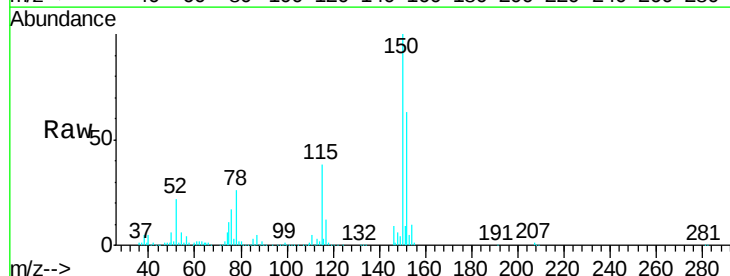


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

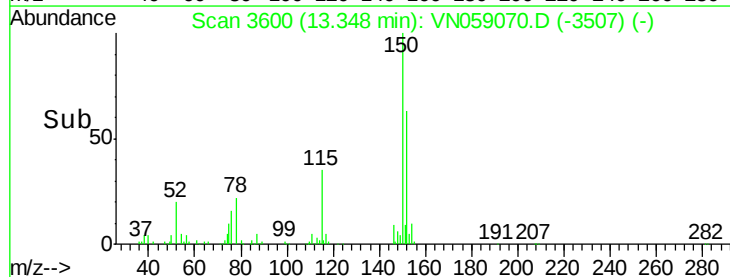
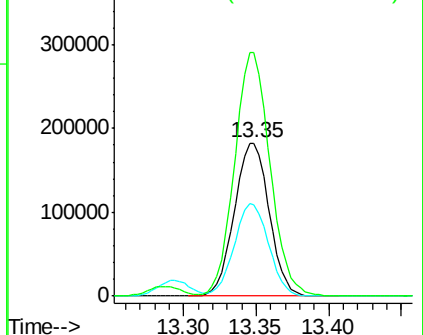


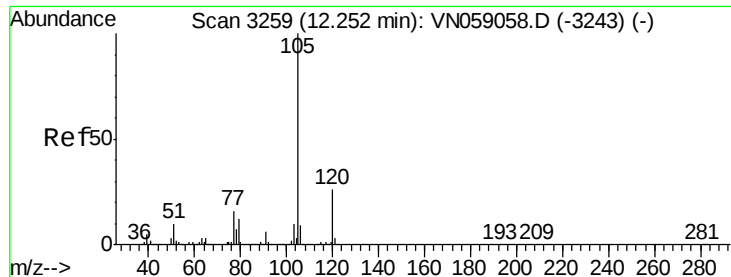
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Tgt Ion:152 Resp: 303663
Ion Ratio Lower Upper
152 100
115 59.6 29.6 88.9
150 162.2 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: 20.319 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

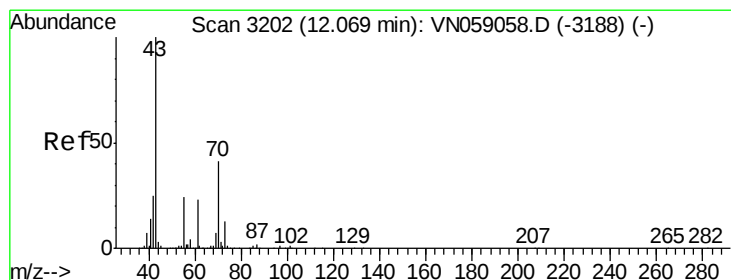
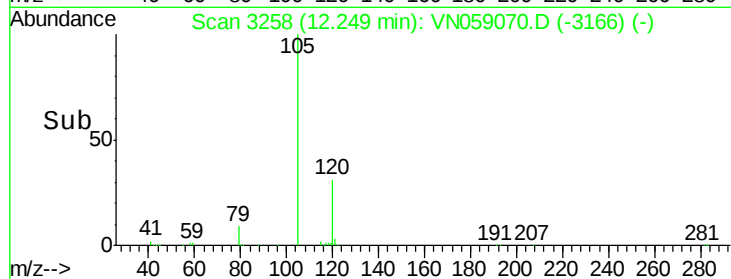
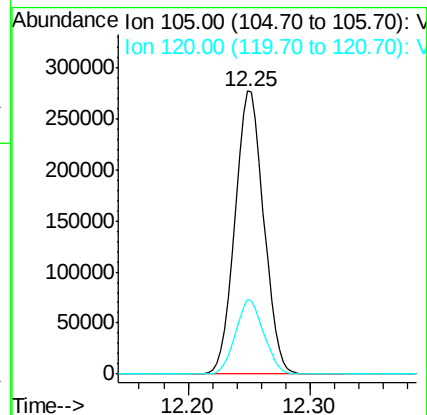
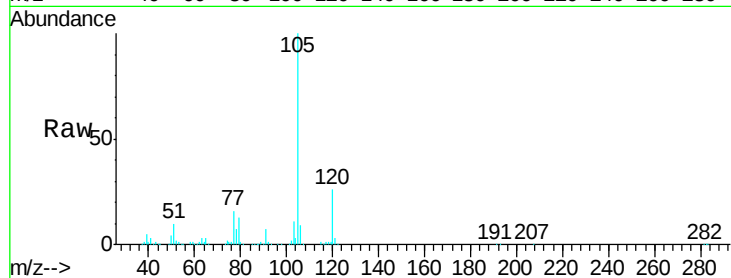
VN1101WBSD02

Tgt Ion: 105 Resp: 453914

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1



#74

N-ethyl acetate

Concen: 19.609 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Tgt Ion: 43 Resp: 194866

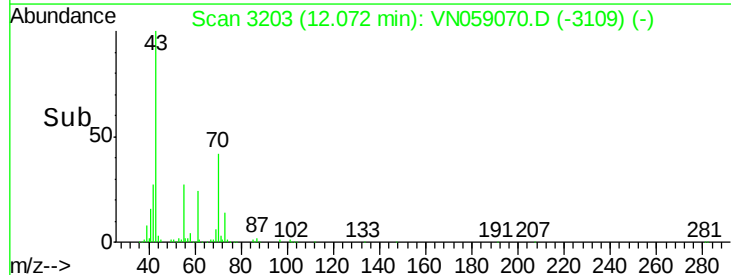
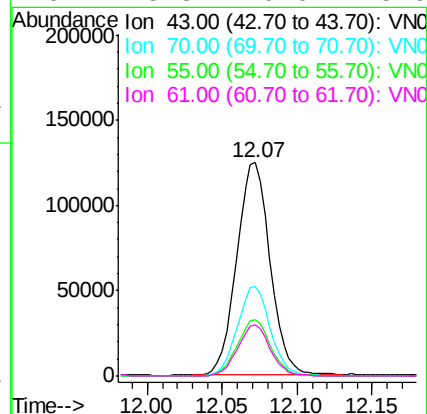
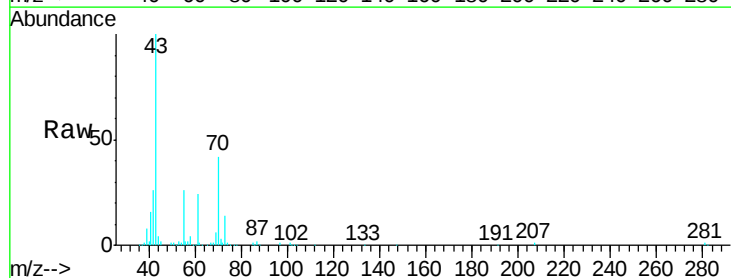
Ion Ratio Lower Upper

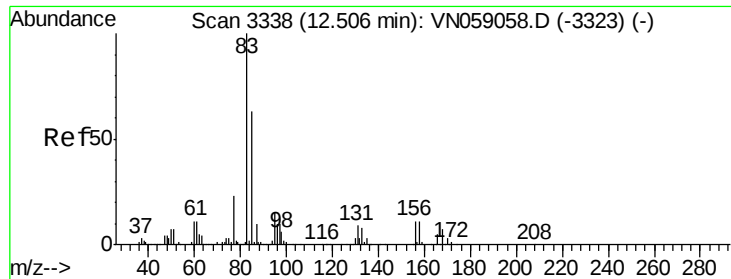
43 100

70 41.4 32.6 49.0

55 26.3 19.7 29.5

61 23.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.311 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

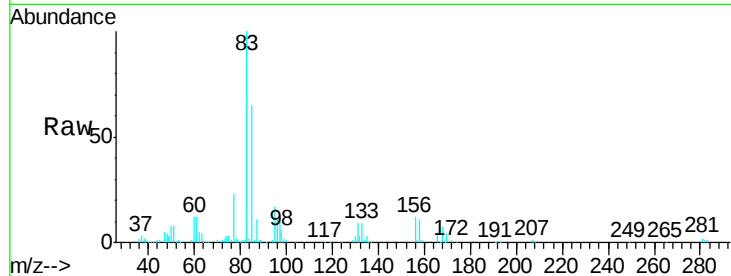
Tgt Ion: 83 Resp: 153672

Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.7

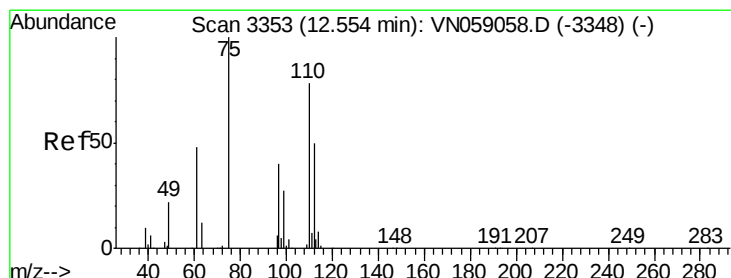
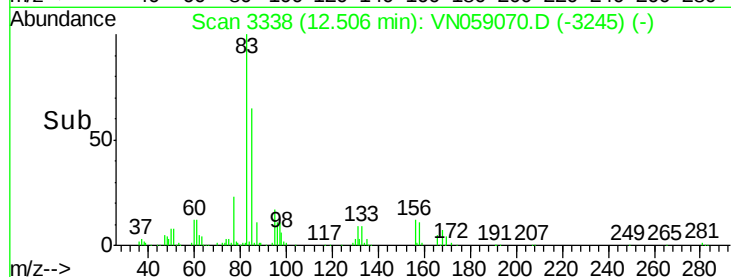
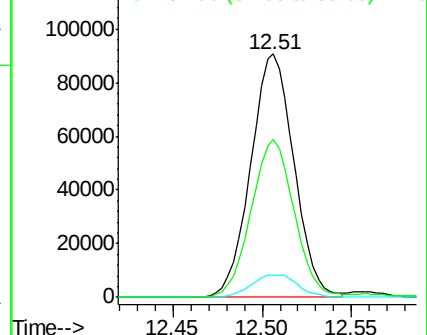
85 64.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN059070.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059070.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059070.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 28.052 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059070.D

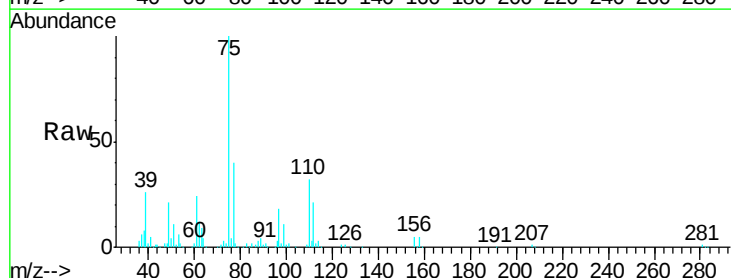
Acq: 1 Nov 2019 18:10

Tgt Ion: 75 Resp: 201575

Ion Ratio Lower Upper

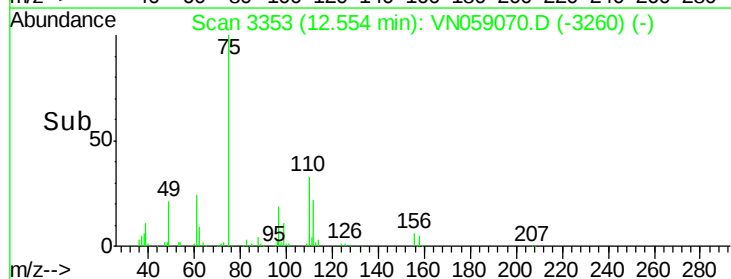
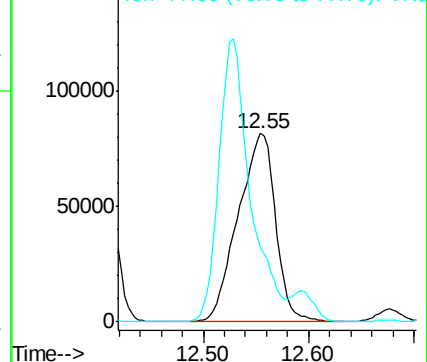
75 100

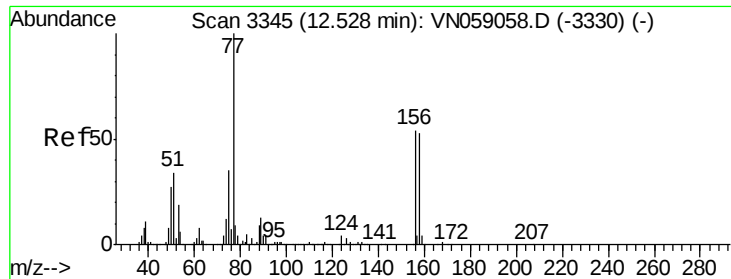
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059070.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN059070.D (-3260) (-)





#77

Bromobenzene

Concen: 19.825 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

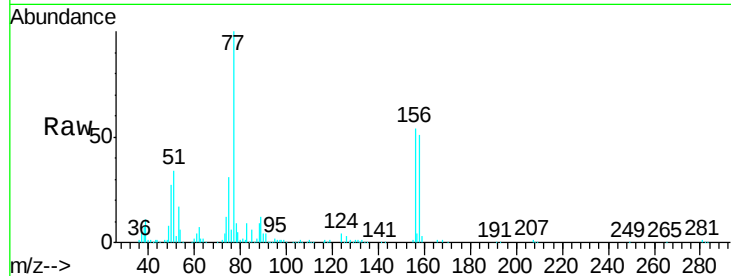
Tgt Ion:156 Resp: 110739

Ion Ratio Lower Upper

156 100

77 227.2 114.2 342.6

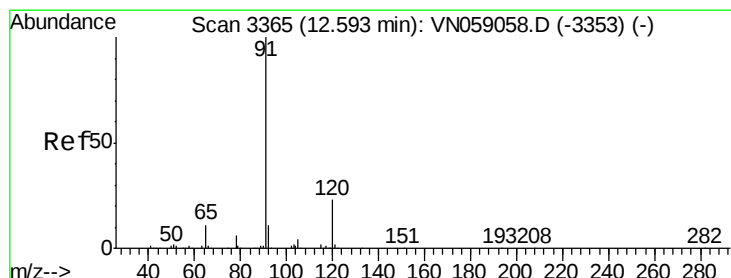
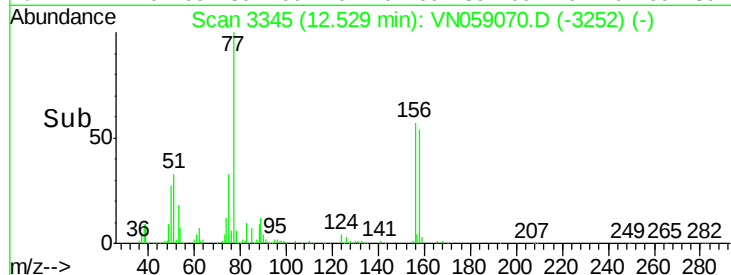
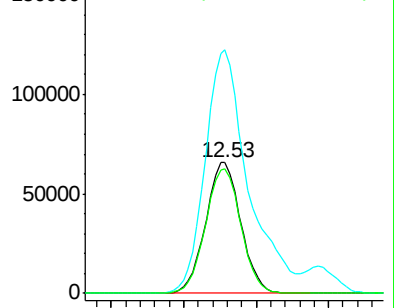
158 95.3 49.6 149.0



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: 20.598 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059070.D

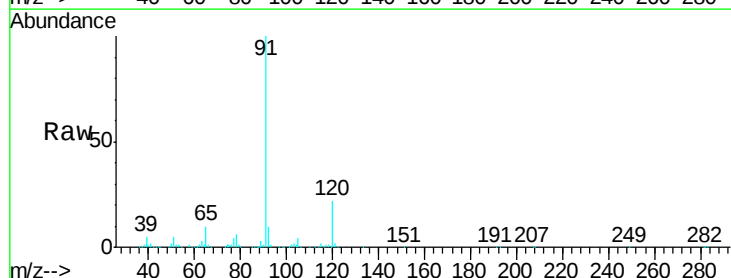
Acq: 1 Nov 2019 18:10

Tgt Ion: 91 Resp: 532949

Ion Ratio Lower Upper

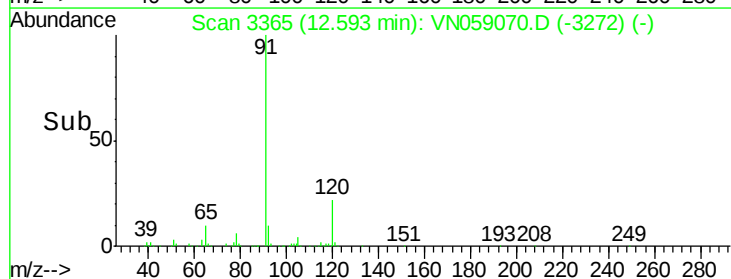
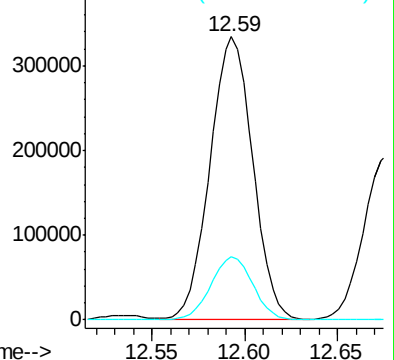
91 100

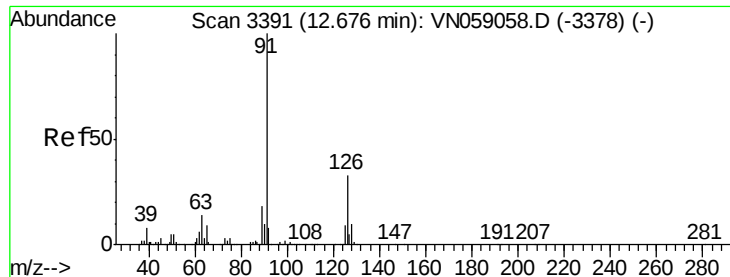
120 22.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.786 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

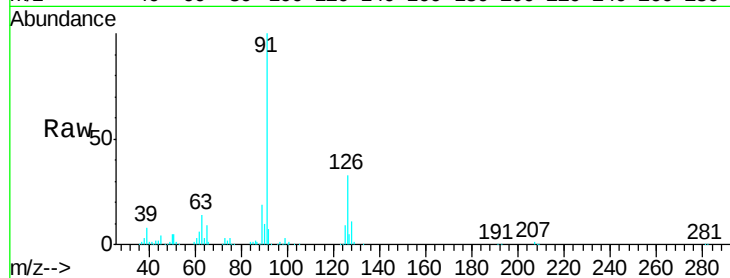
VN1101WBSD02

Tgt Ion: 91 Resp: 317872

Ion Ratio Lower Upper

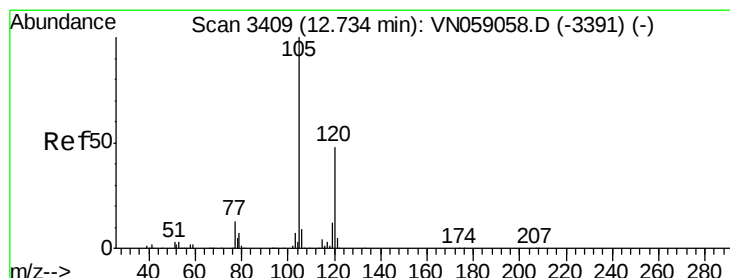
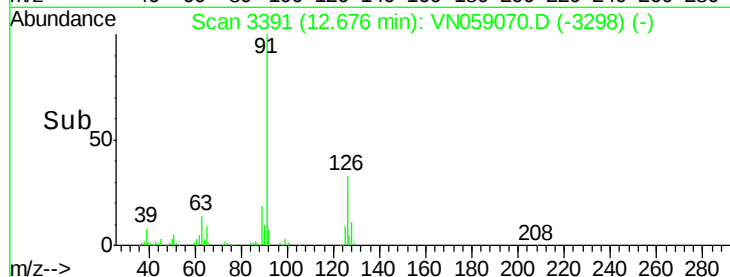
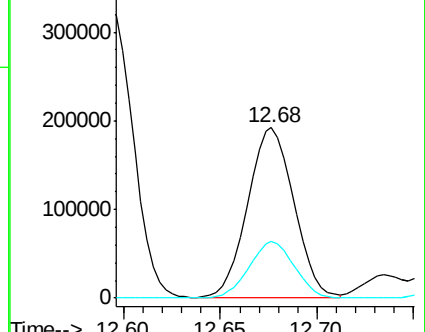
91 100

126 32.8 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: 20.172 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059070.D

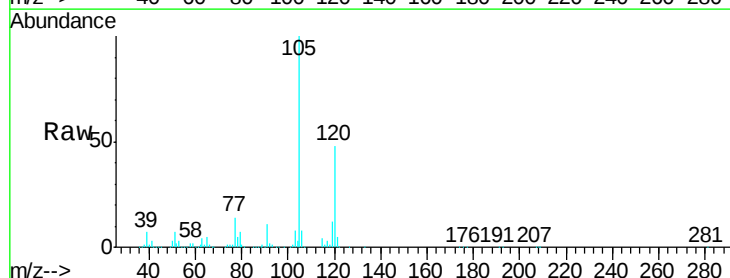
Acq: 1 Nov 2019 18:10

Tgt Ion: 105 Resp: 382990

Ion Ratio Lower Upper

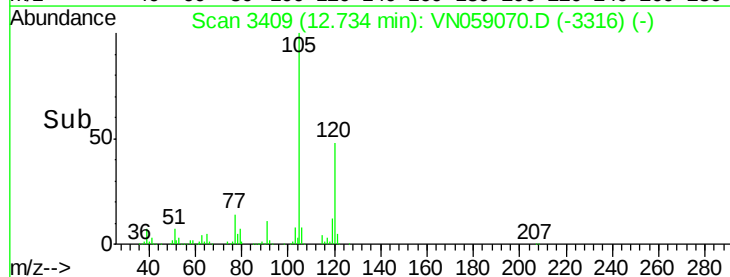
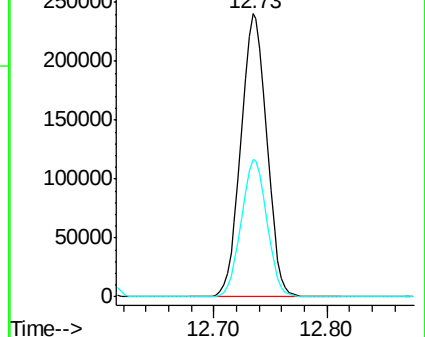
105 100

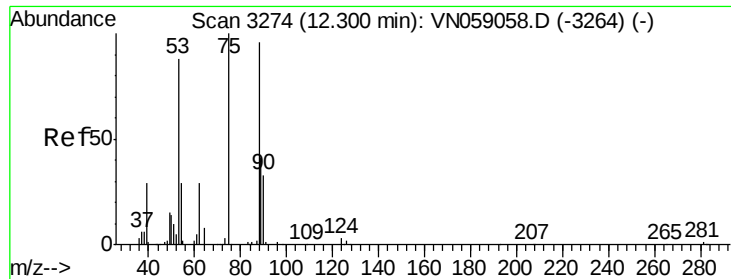
120 48.4 24.2 72.6



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: 18.317 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

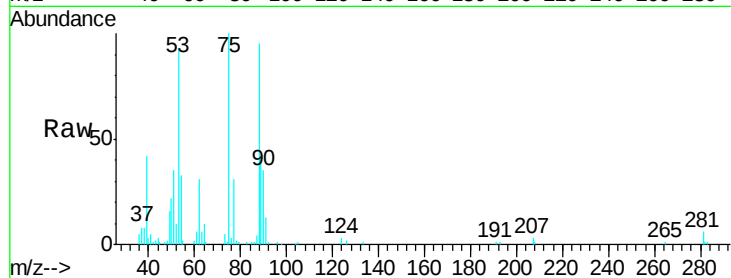
Tgt Ion: 75 Resp: 51345

Ion Ratio Lower Upper

75 100

53 92.9 70.4 105.6

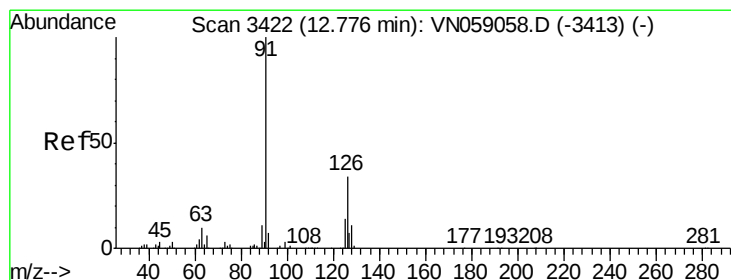
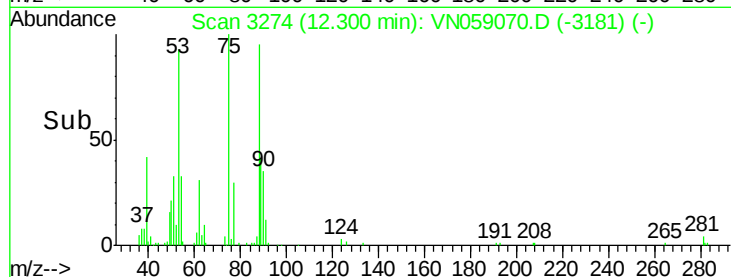
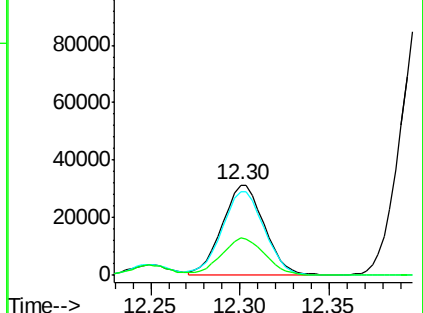
89 43.3 34.2 51.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.536 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059070.D

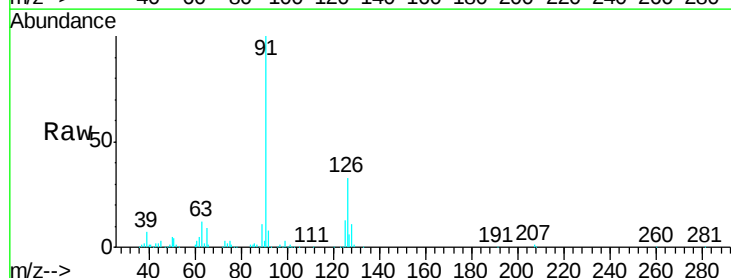
Acq: 1 Nov 2019 18:10

Tgt Ion: 91 Resp: 320324

Ion Ratio Lower Upper

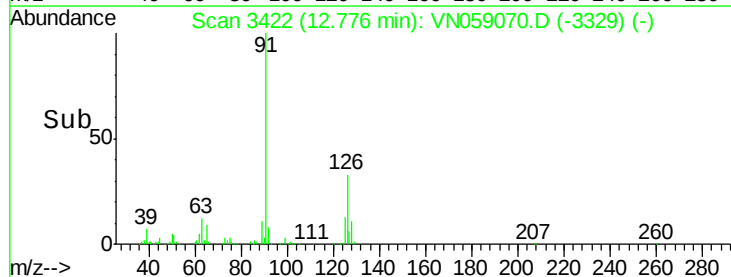
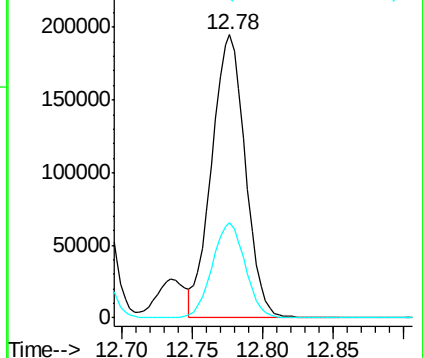
91 100

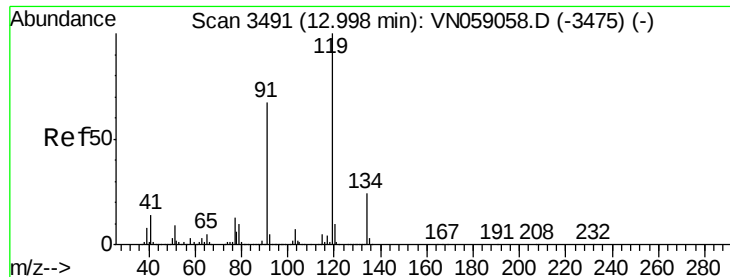
126 33.1 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.236 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

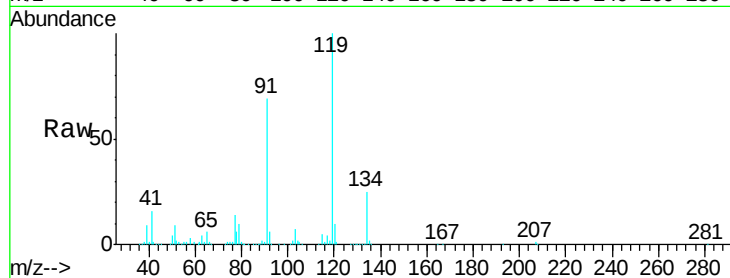
Tgt Ion:119 Resp: 326385

Ion Ratio Lower Upper

119 100

91 65.7 33.7 101.0

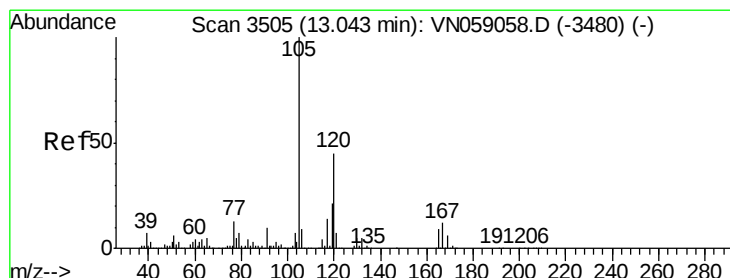
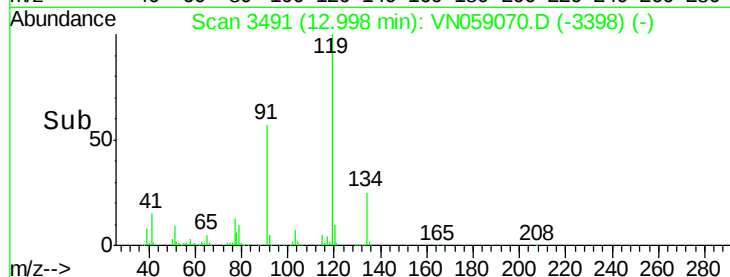
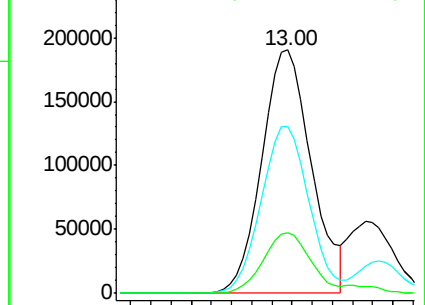
134 26.0 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.585 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059070.D

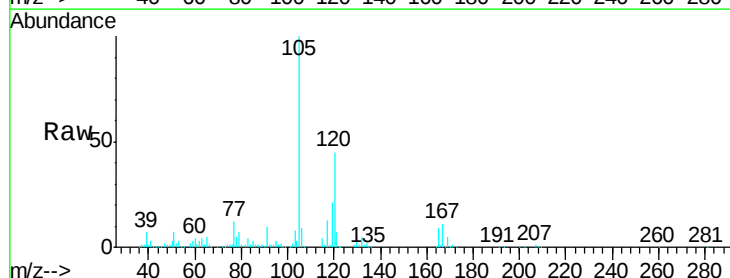
Acq: 1 Nov 2019 18:10

Tgt Ion:105 Resp: 379768

Ion Ratio Lower Upper

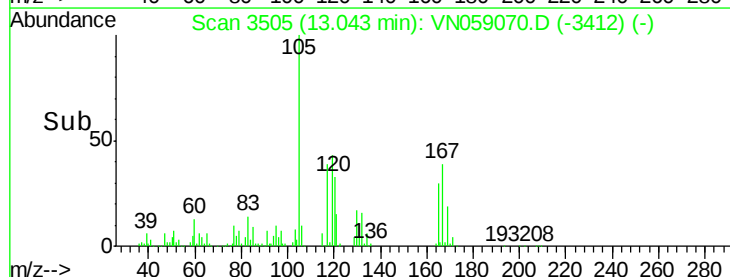
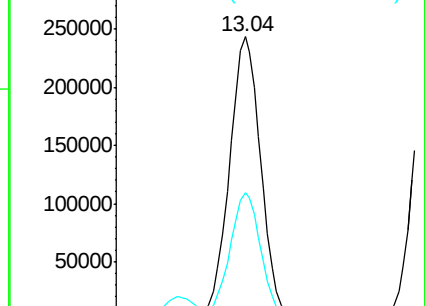
105 100

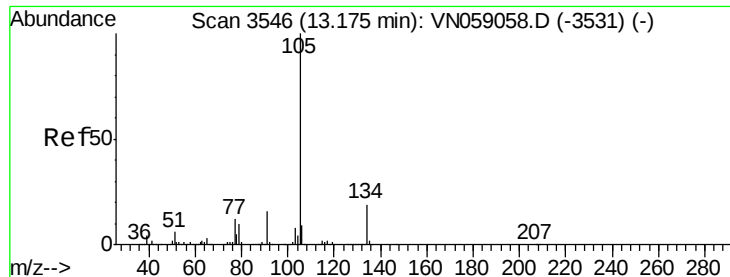
120 45.2 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

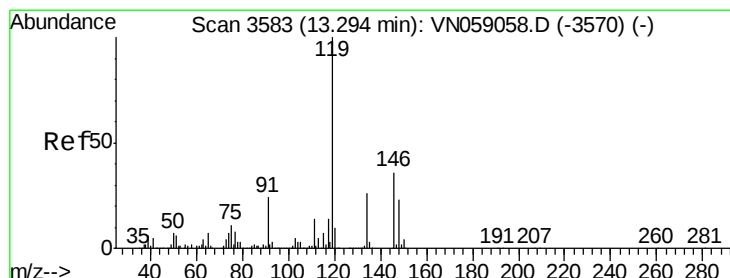
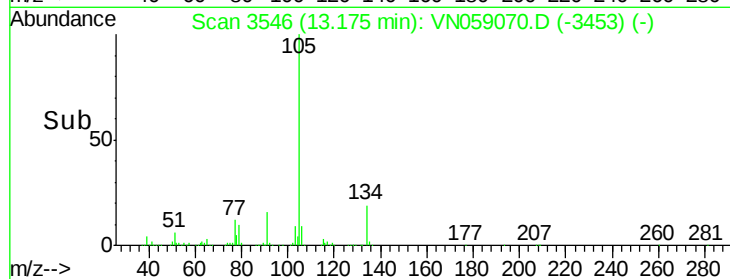
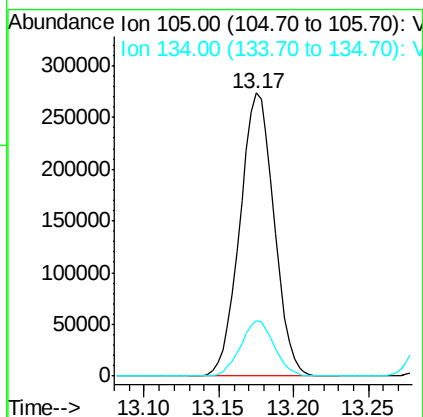
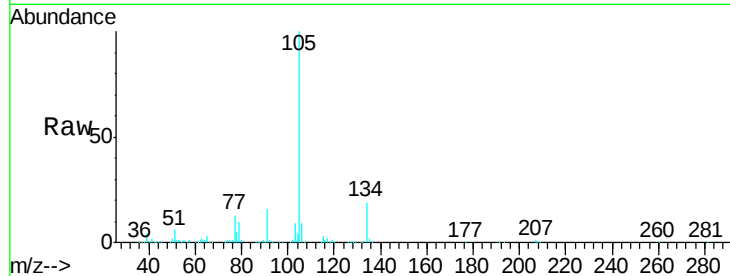




#85
 sec-Butylbenzene
 Concen: 20.519 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059070.D
 Acq: 1 Nov 2019 18:10

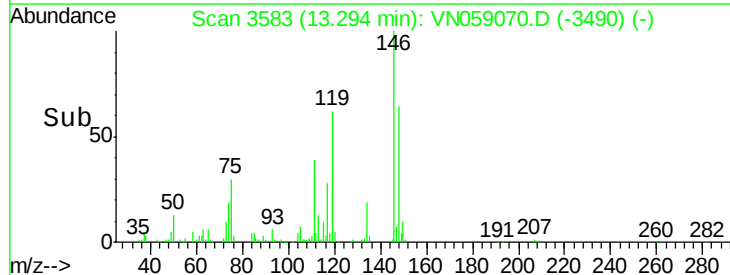
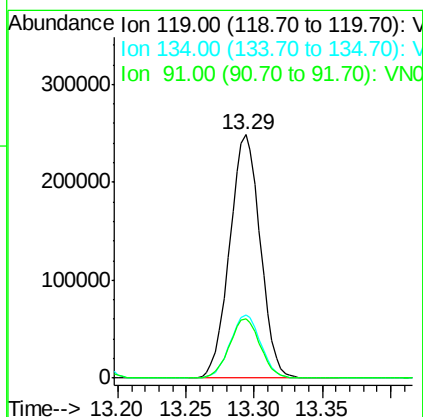
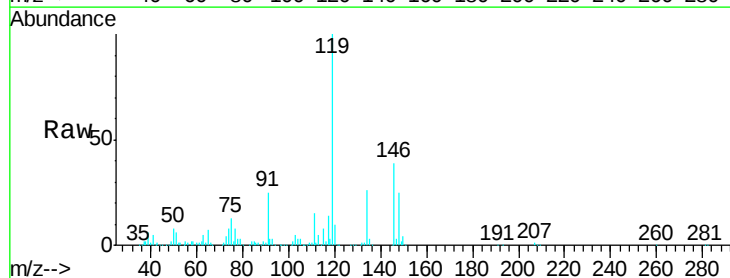
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

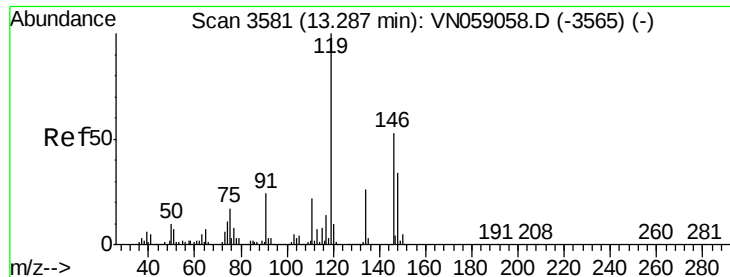
Tgt Ion:105 Resp: 433748
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 20.210 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN059070.D
 Acq: 1 Nov 2019 18:10

Tgt Ion:119 Resp: 385147
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.0 39.0
 91 24.3 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 19.546 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

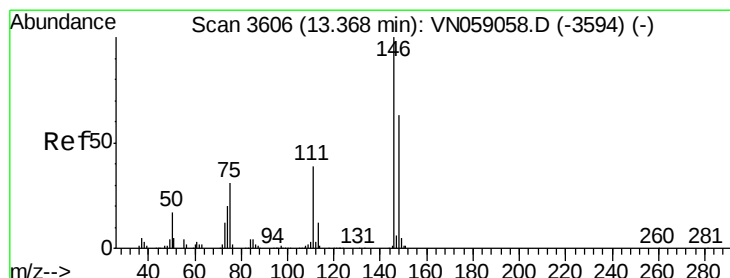
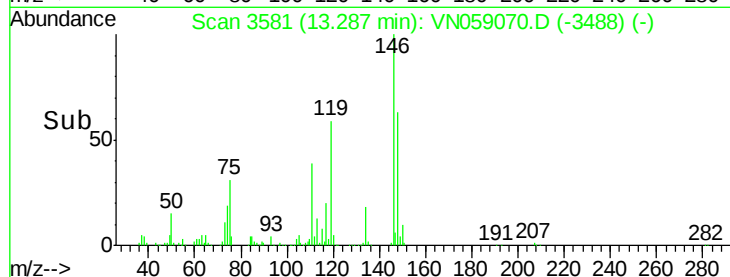
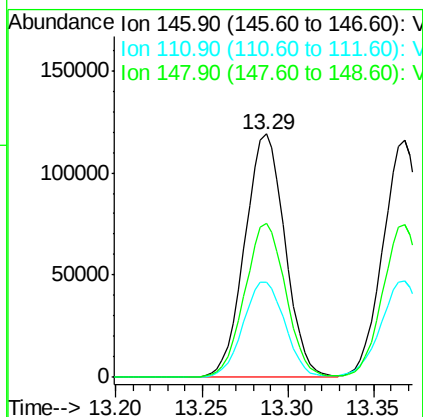
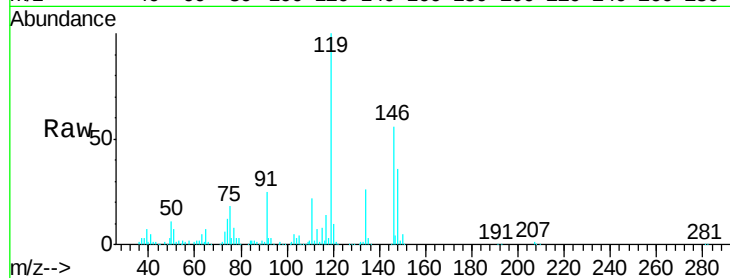
Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

Tgt Ion:	146	Resp:	193983
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.5	61.5
148	64.2	31.8	95.3



#88

1,4-Dichlorobenzene

Concen: 19.108 ug/l

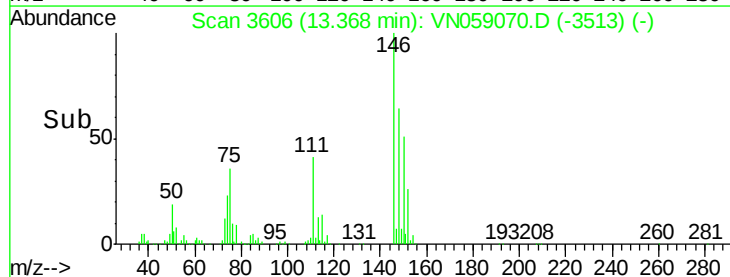
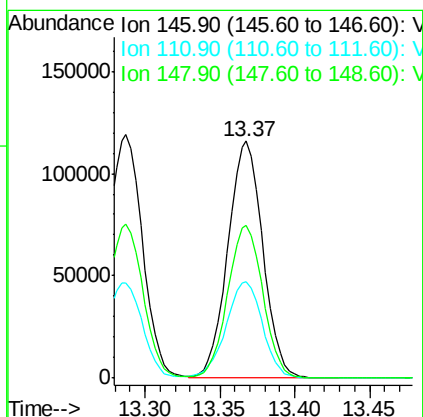
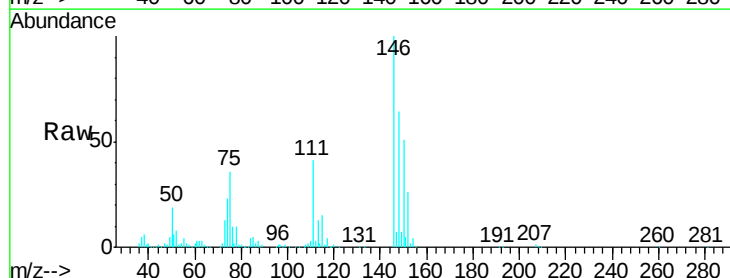
RT: 13.37 min Scan# 3606

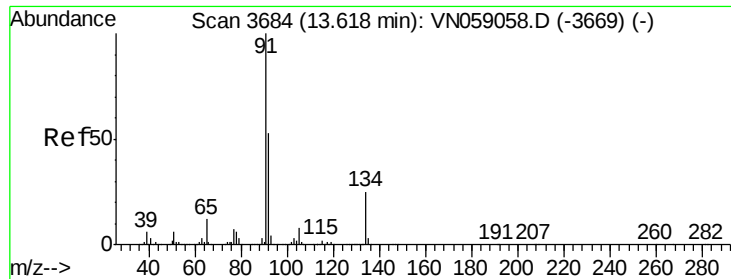
Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Tgt Ion:	146	Resp:	187584
Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.1	60.2
148	64.9	31.9	95.7

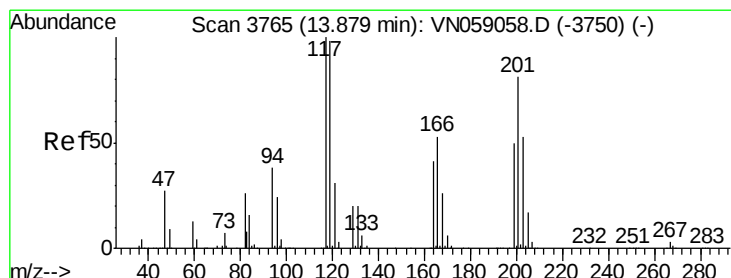
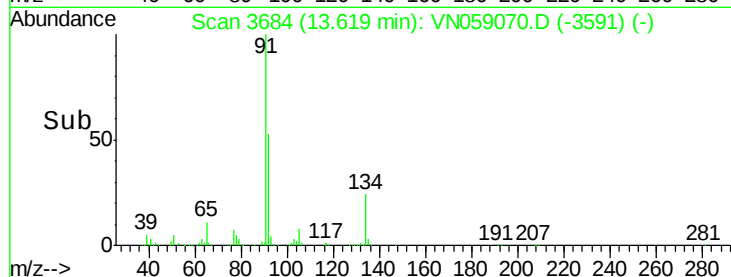
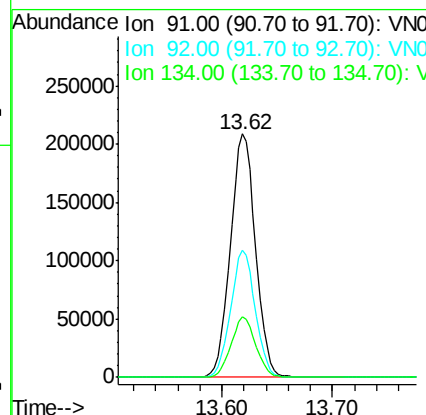
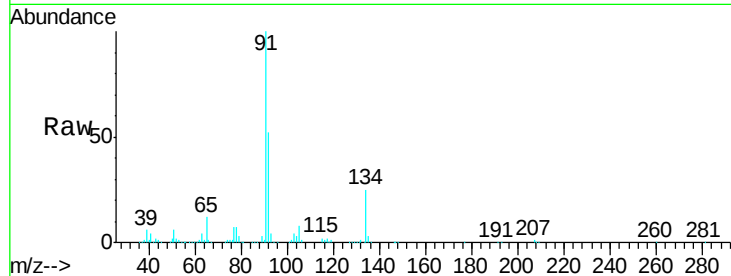




#89
n-Butylbenzene
Concen: 19.854 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

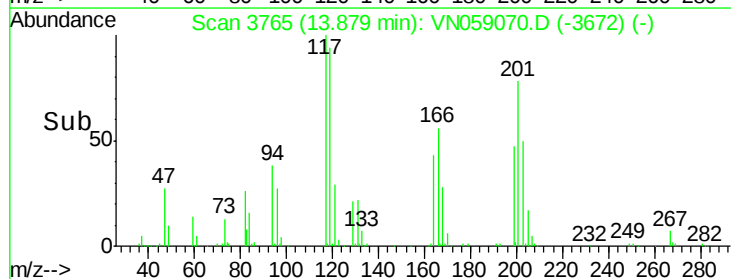
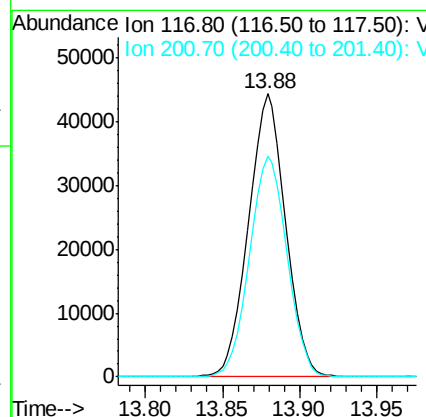
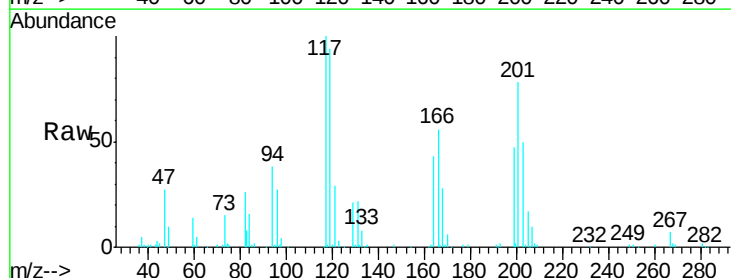
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

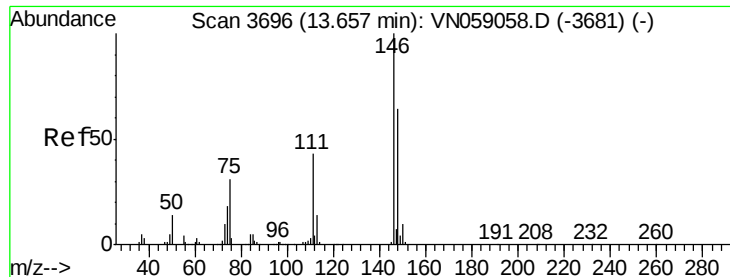
Tgt Ion: 91 Resp: 329691
Ion Ratio Lower Upper
91 100
92 51.1 26.4 79.0
134 24.4 12.5 37.5



#90
Hexachloroethane
Concen: 19.554 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Tgt Ion: 117 Resp: 74075
Ion Ratio Lower Upper
117 100
201 79.1 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 19.492 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

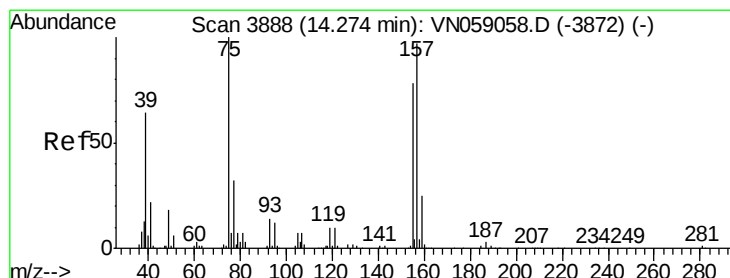
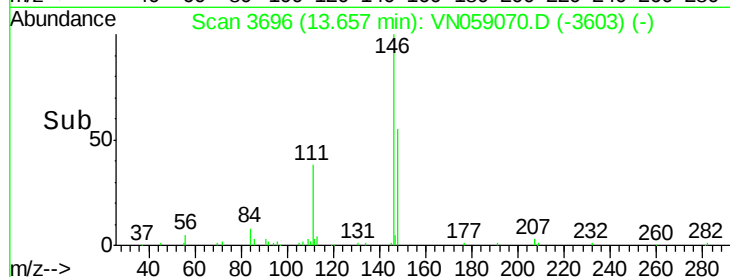
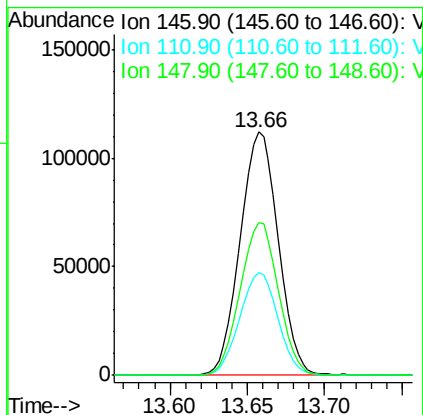
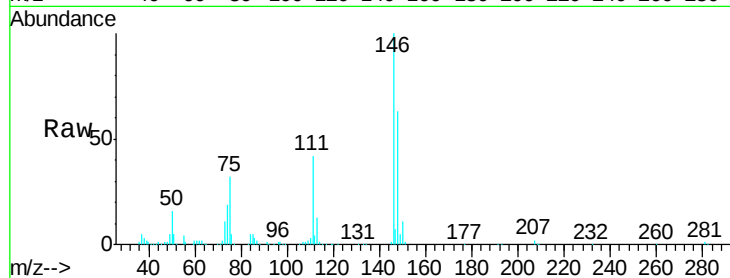
Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

Tgt Ion:	146	Resp:	192493
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	62.7	32.1	96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.583 ug/l

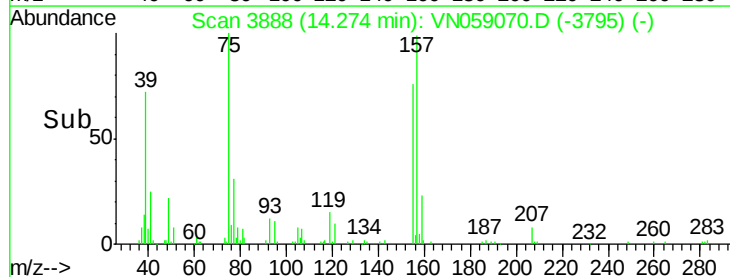
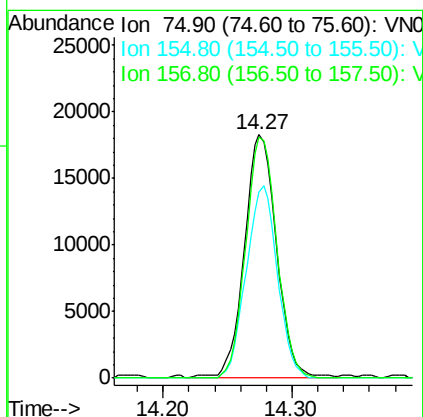
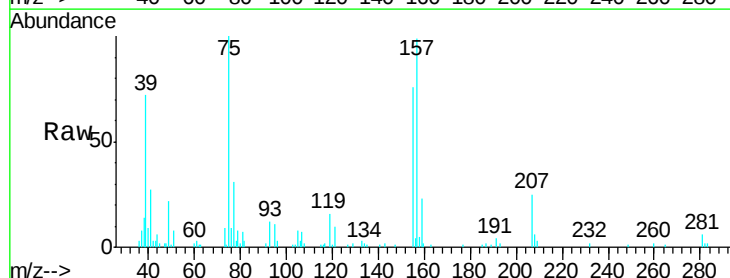
RT: 14.27 min Scan# 3888

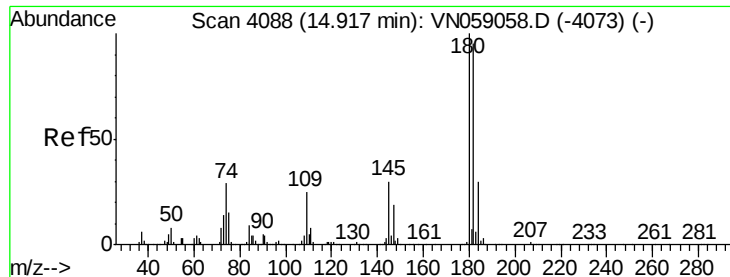
Delta R.T. 0.00 min

Lab File: VN059070.D

Acq: 1 Nov 2019 18:10

Tgt Ion:	75	Resp:	31943
Ion	Ratio	Lower	Upper
75	100		
155	76.1	39.7	119.1
157	95.5	51.0	153.0

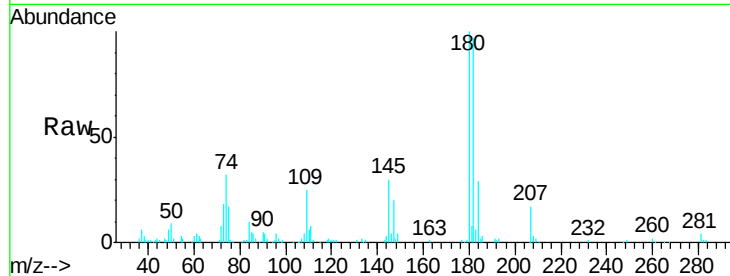




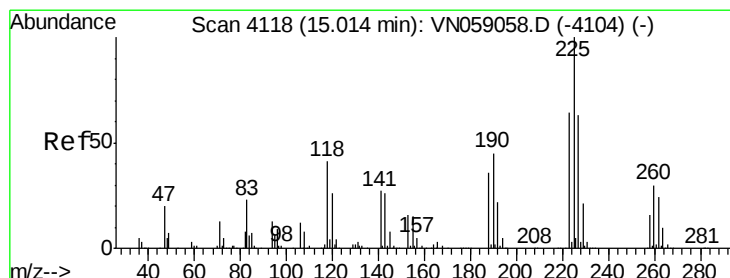
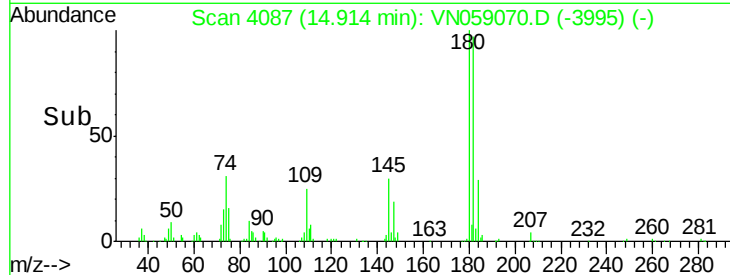
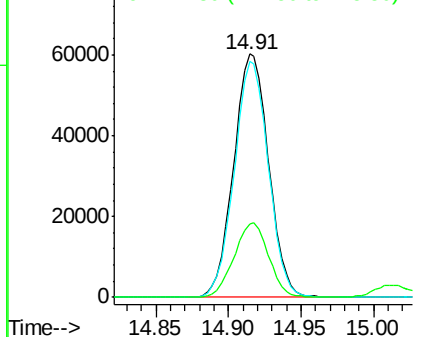
#93
 1,2,4-Trichlorobenzene
 Concen: 18.906 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059070.D
 Acq: 1 Nov 2019 18:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.8	143.4
145	30.2	15.1	45.3

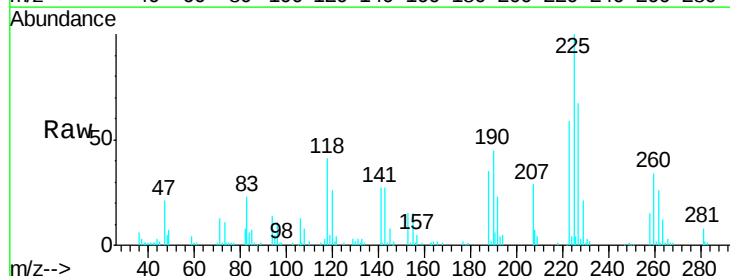


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

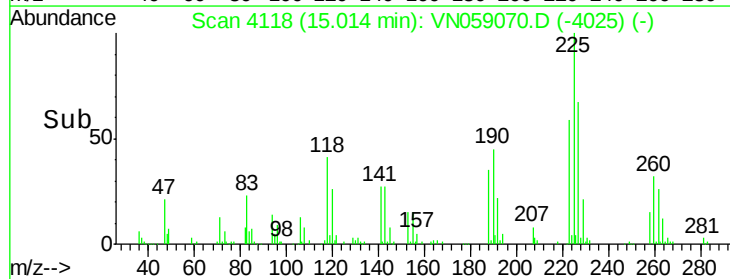
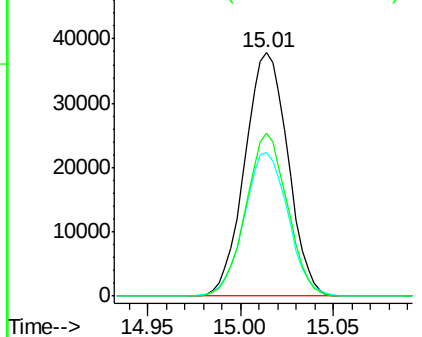


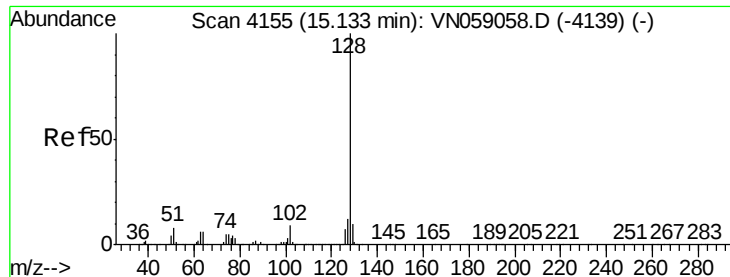
#94
 Hexachlorobutadiene
 Concen: 19.119 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059070.D
 Acq: 1 Nov 2019 18:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.0	31.6	95.0
227	64.3	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

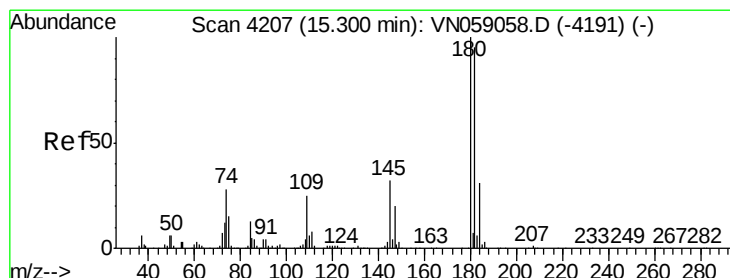
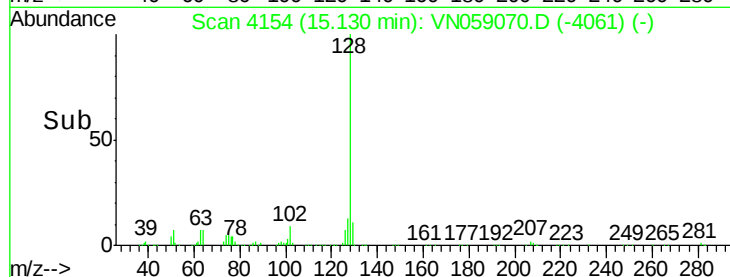
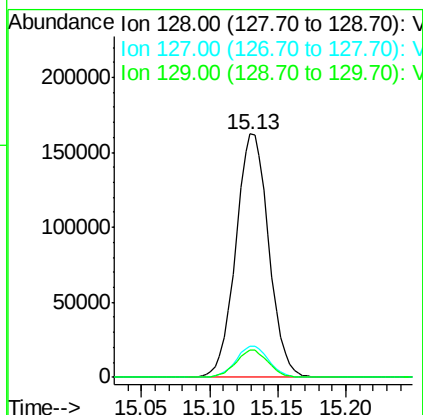
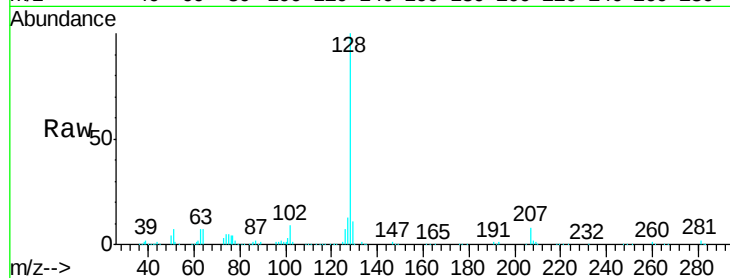




#95
Naphthalene
Concen: 18.365 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion:128 Resp: 271548
Ion Ratio Lower Upper
128 100
127 12.8 9.9 14.9
129 11.0 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 18.928 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059070.D
Acq: 1 Nov 2019 18:10

Tgt Ion:180 Resp: 102605
Ion Ratio Lower Upper
180 100
182 94.4 47.7 143.1
145 31.7 16.0 48.0

