

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059120.D
 Acq On : 7 Nov 2019 14:26
 Operator : JC/SP
 Sample : VN1107WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS02

Quant Time: Nov 08 01:14:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	471105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	738101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	659144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	296317	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	292989	50.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.18%	
35) Dibromofluoromethane	7.57	113	231242	52.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.94%	
50) Toluene-d8	10.08	98	888013	51.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.40	95	311395	49.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	91656	19.310	ug/l	96
3) Chloromethane	2.04	50	122839	19.038	ug/l	100
4) Vinyl Chloride	2.17	62	122068	19.514	ug/l	99
5) Bromomethane	2.54	94	72443	20.124	ug/l	98
6) Chloroethane	2.68	64	71289	19.265	ug/l	93
7) Trichlorofluoromethane	3.00	101	152709	20.409	ug/l	100
8) Diethyl Ether	3.39	74	61151	20.114	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	91421	20.264	ug/l	99
10) Methyl Iodide	3.93	142	109386	19.589	ug/l	99
11) Tert butyl alcohol	4.75	59	116385	105.454	ug/l	100
12) 1,1-Dichloroethene	3.71	96	88963	20.243	ug/l	99
13) Acrolein	3.58	56	52312	91.933	ug/l	99
14) Allyl chloride	4.30	41	175667	19.460	ug/l	100
15) Acrylonitrile	4.96	53	294476	107.214	ug/l	99
16) Acetone	3.79	43	298942	99.267	ug/l	100
17) Carbon Disulfide	4.03	76	255874	18.756	ug/l	98
18) Methyl Acetate	4.30	43	154545	21.621	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	310340	20.511	ug/l	99
20) Methylene Chloride	4.53	84	104626	19.942	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	95220	20.186	ug/l	95
22) Diisopropyl ether	5.92	45	350321	20.545	ug/l	95
23) Vinyl Acetate	5.87	43	1443876	109.261	ug/l	99
24) 1,1-Dichloroethane	5.82	63	192060	20.167	ug/l	98
25) 2-Butanone	6.81	43	412696	103.981	ug/l	99
26) 2,2-Dichloropropane	6.80	77	160977	19.331	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	111605	20.393	ug/l	98
28) Bromochloromethane	7.17	49	60223	21.019	ug/l	100
29) Tetrahydrofuran	7.19	42	267823	106.200	ug/l	99
30) Chloroform	7.35	83	184884	20.238	ug/l	99
31) Cyclohexane	7.63	56	175524	19.469	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	158224	20.600	ug/l	98
36) 1,1-Dichloropropene	7.77	75	138463	20.070	ug/l	100
37) Ethyl Acetate	6.90	43	159918	20.836	ug/l	98
38) Carbon Tetrachloride	7.75	117	137254	19.988	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	157950	19.726	ug/l	100
40) Benzene	8.02	78	423599	20.389	ug/l	99
41) Methacrylonitrile	7.18	41	235380	70.527	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	147688	20.727	ug/l	99
43) Isopropyl Acetate	8.15	43	248452	20.305	ug/l	99
44) Trichloroethene	8.82	130	102921	20.153	ug/l	100
45) 1,2-Dichloropropane	9.10	63	115278	20.428	ug/l	99
46) Dibromomethane	9.19	93	70966	20.181	ug/l	100
47) Bromodichloromethane	9.39	83	144719	20.610	ug/l	99
48) Methyl methacrylate	9.18	41	109299	19.970	ug/l	100
49) 1,4-Dioxane	9.18	88	41406	425.703	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	792638	114.487	ug/l	100
52) Toluene	10.15	92	254495	20.438	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	159985	19.721	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	176360	20.210	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	103364	20.511	ug/l	99
56) Ethyl methacrylate	10.42	69	151951	19.274	ug/l	98
57) 1,3-Dichloropropane	10.70	76	180510	20.811	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	309291	110.278	ug/l	99
59) 2-Hexanone	10.74	43	588928	110.825	ug/l	100
60) Dibromochloromethane	10.90	129	107732	20.219	ug/l	100
61) 1,2-Dibromoethane	11.00	107	104096	20.405	ug/l	100
64) Tetrachloroethene	10.63	164	90321	20.152	ug/l	98
65) Chlorobenzene	11.43	112	266493	20.740	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	101102	20.975	ug/l	99
67) Ethyl Benzene	11.51	91	477028	20.925	ug/l	100
68) m/p-Xylenes	11.62	106	350383	41.030	ug/l	98
69) o-Xylene	11.95	106	167018	20.238	ug/l	99
70) Styrene	11.96	104	267496	20.609	ug/l	99
71) Bromoform	12.13	173	77522	20.677	ug/l #	99
73) Isopropylbenzene	12.25	105	451400	20.943	ug/l	100
74) N-amyl acetate	12.07	43	189889	20.791	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	158782	21.632	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	205166	30.412	ug/l #	100
77) Bromobenzene	12.53	156	110388	20.384	ug/l	99
78) n-propylbenzene	12.59	91	520938	21.108	ug/l	99
79) 2-Chlorotoluene	12.67	91	320121	20.909	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	383162	20.979	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53899	21.103	ug/l	98
82) 4-Chlorotoluene	12.77	91	315346	20.536	ug/l	98
83) tert-Butylbenzene	12.99	119	324006	20.543	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	367701	20.809	ug/l	100
85) sec-Butylbenzene	13.17	105	425298	20.733	ug/l	100
86) p-Isopropyltoluene	13.29	119	376947	20.812	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	189014	20.383	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	185400	19.982	ug/l	100
89) n-Butylbenzene	13.62	91	307972	19.427	ug/l	100
90) Hexachloroethane	13.88	117	73289	20.151	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	189280	20.749	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30663	20.954	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	95309	19.218	ug/l	99
94) Hexachlorobutadiene	15.01	225	61159	19.444	ug/l	98
95) Naphthalene	15.13	128	256722	18.746	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	98999	19.365	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

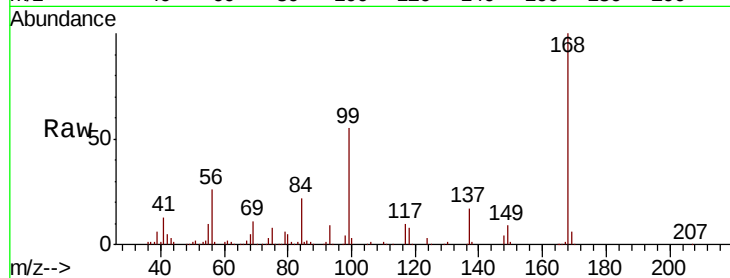
VN1107WBS02

Tot Ion:168 Resp: 471105

Ion Ratio Lower Upper

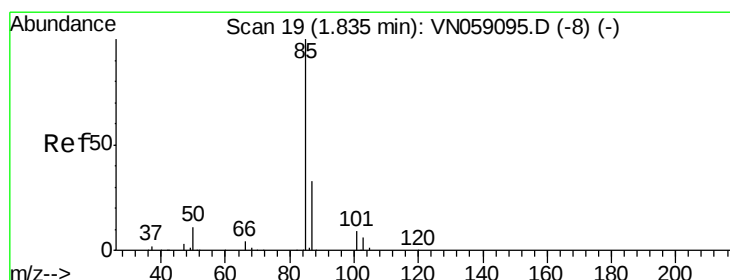
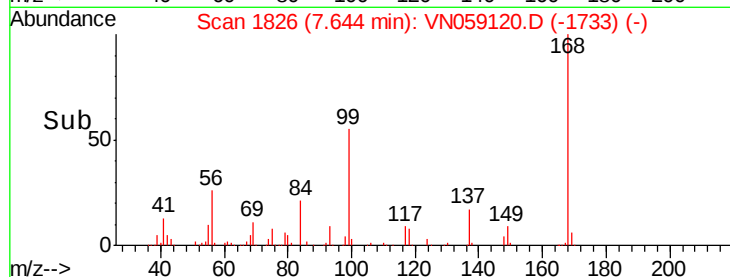
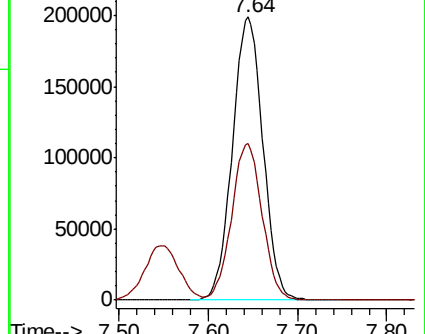
168 100

99 55.0 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.310 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059120.D

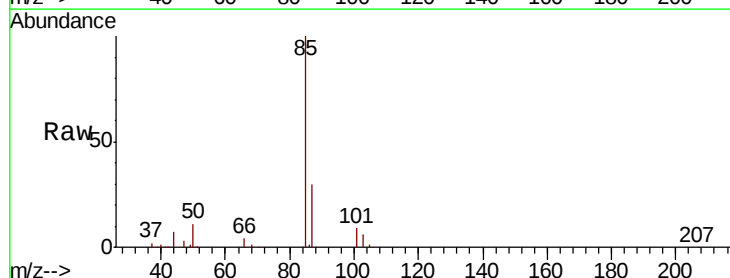
Acq: 7 Nov 2019 14:26

Tgt Ion: 85 Resp: 91656

Ion Ratio Lower Upper

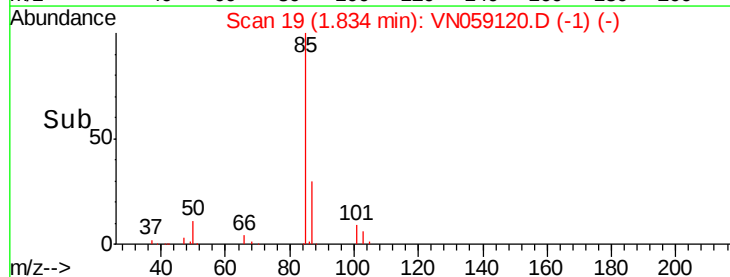
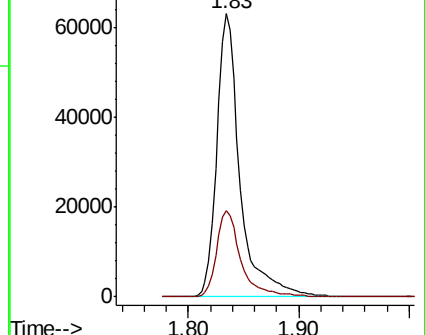
85 100

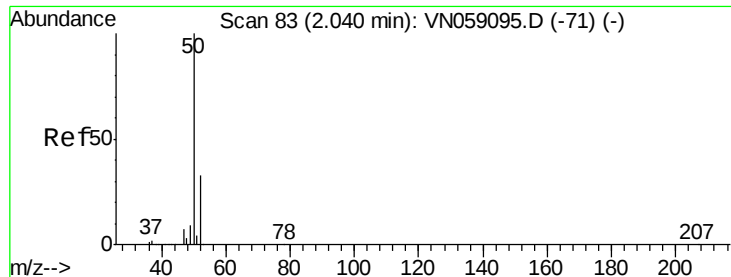
87 30.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.038 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

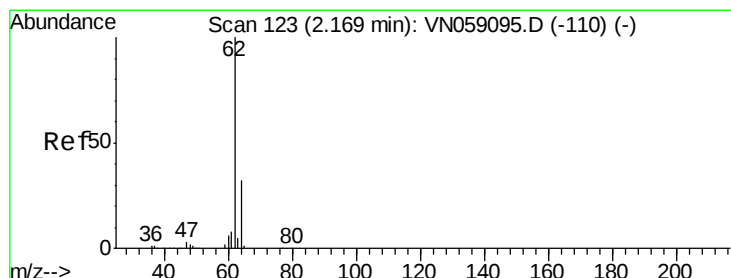
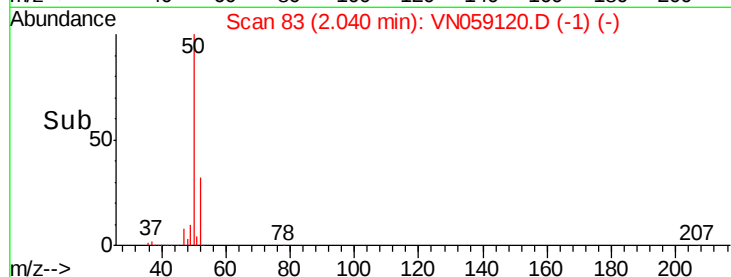
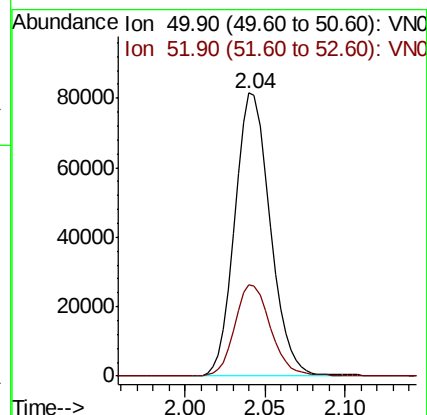
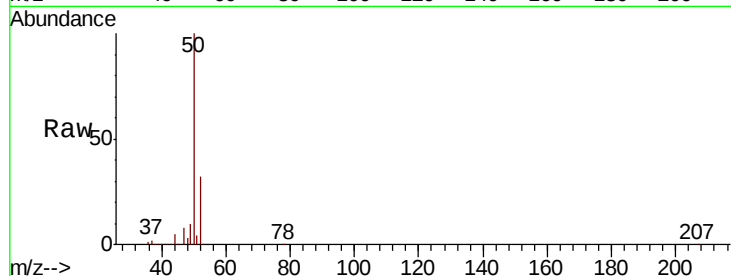
VN1107WBS02

Tot Ion: 50 Resp: 122839

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0



#4

Vinyl Chloride

Concen: 19.514 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059120.D

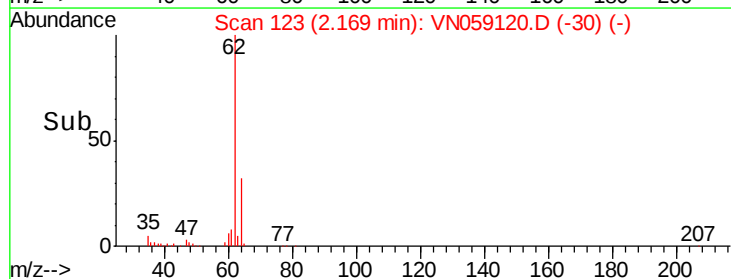
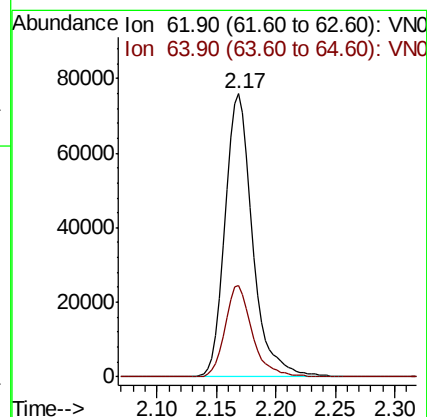
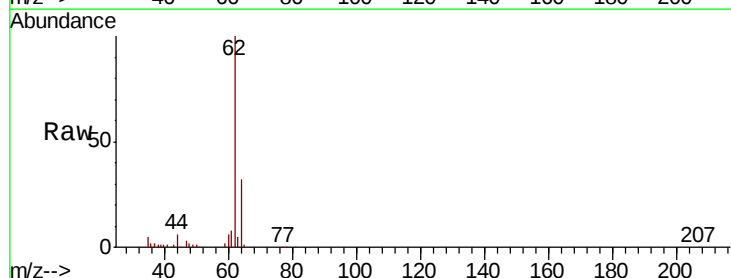
Acq: 7 Nov 2019 14:26

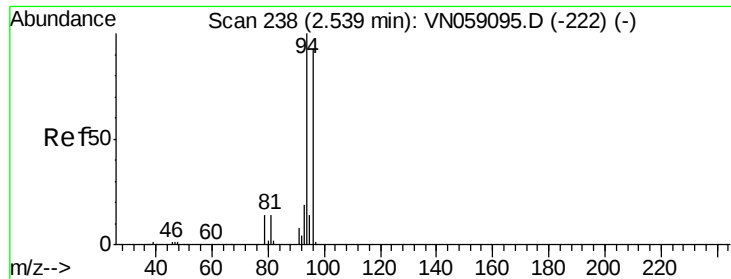
Tgt Ion: 62 Resp: 122068

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 20.124 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

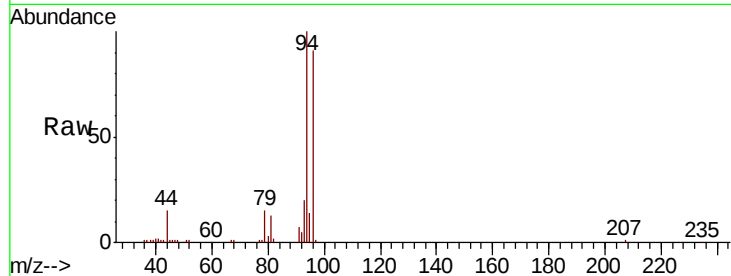
VN1107WBS02

Tot Ion: 94 Resp: 72443

Ion Ratio Lower Upper

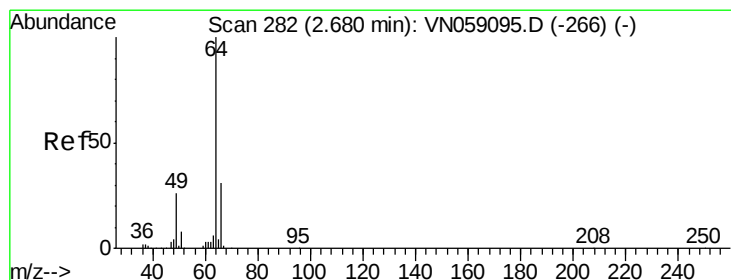
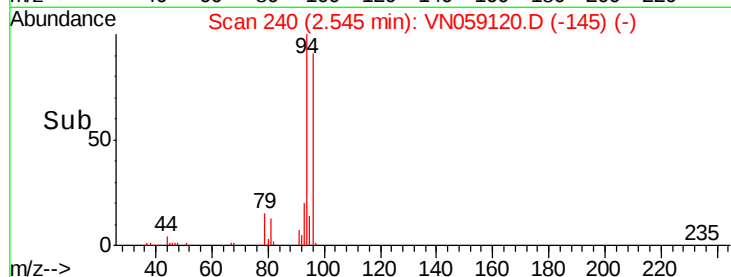
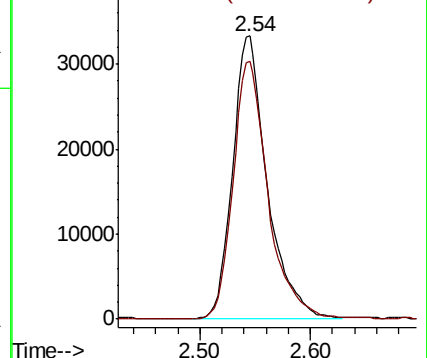
94 100

96 91.2 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.265 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059120.D

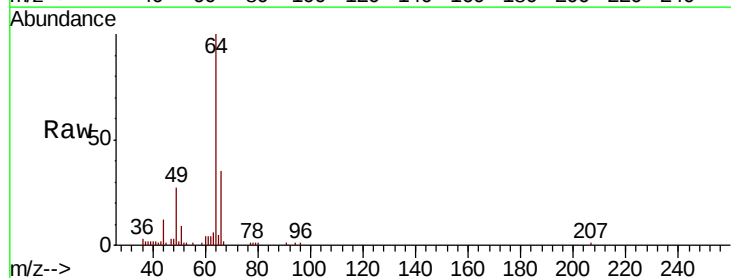
Acq: 7 Nov 2019 14:26

Tgt Ion: 64 Resp: 71289

Ion Ratio Lower Upper

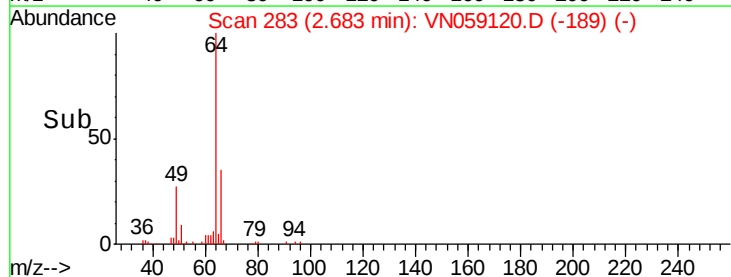
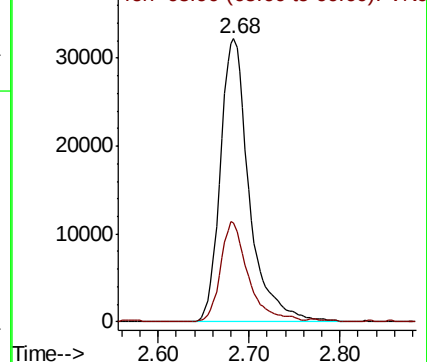
64 100

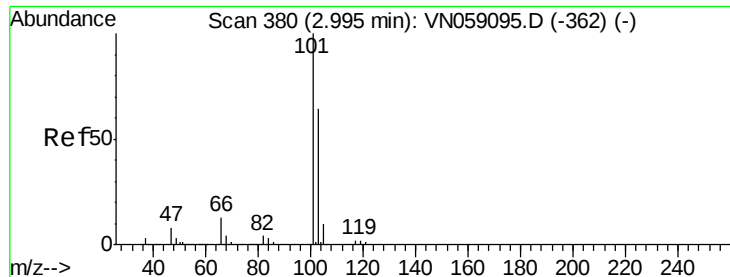
66 35.1 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

Trichlorofluoromethane

Concen: 20.409 ug/l

RT: 3.00 min Scan# 380

Delta R.T. -0.00 min

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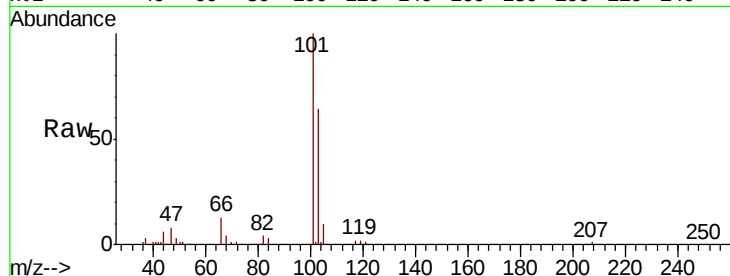
VN1107WBS02

Tot Ion:101 Resp: 152709

Ion Ratio Lower Upper

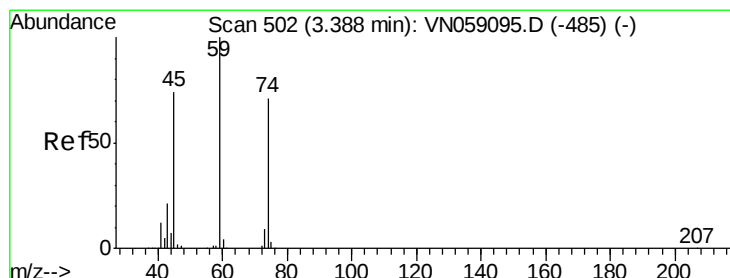
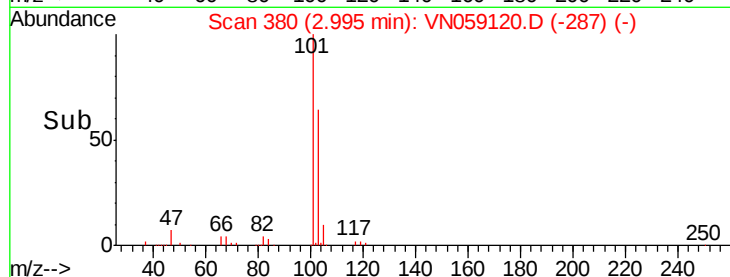
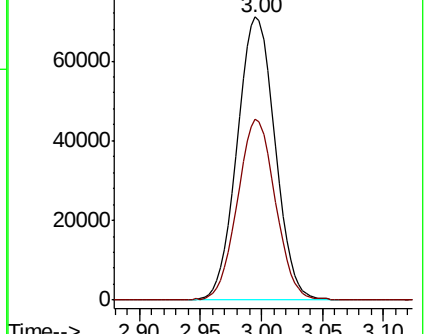
101 100

103 63.9 51.2 76.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.114 ug/l

RT: 3.39 min Scan# 502

Delta R.T. -0.00 min

Lab File: VN059120.D

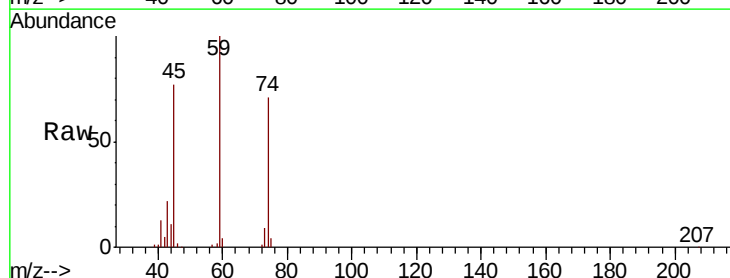
Acq: 7 Nov 2019 14:26

Tgt Ion: 74 Resp: 61151

Ion Ratio Lower Upper

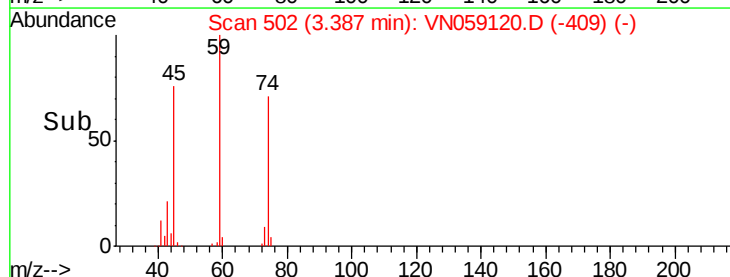
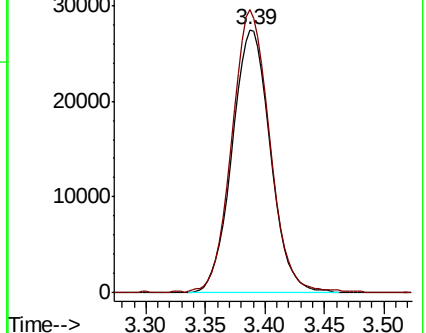
74 100

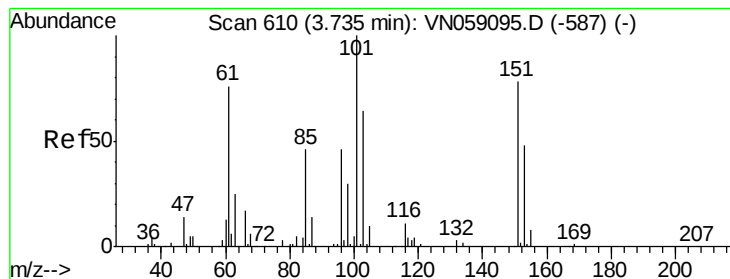
45 106.4 51.6 154.9



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.264 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059120.D

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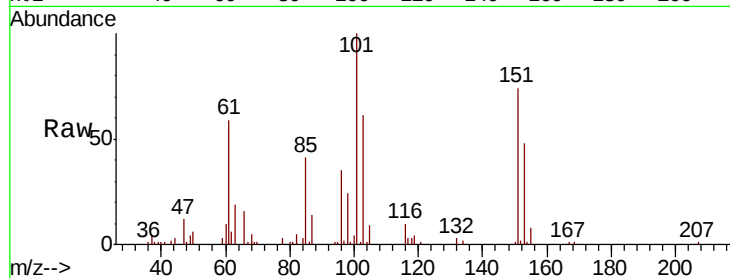
Tot Ion:101 Resp: 91421

Ion Ratio Lower Upper

101 100

85 43.8 35.5 53.3

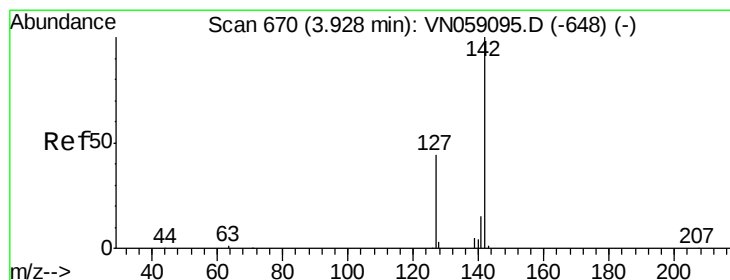
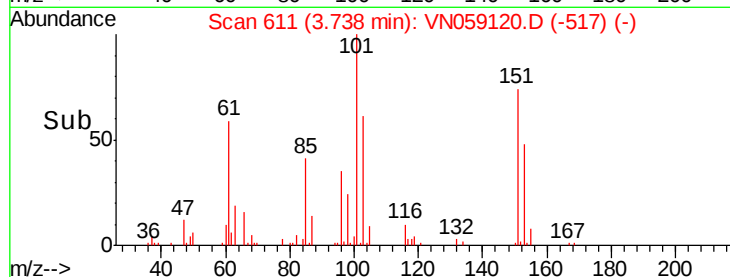
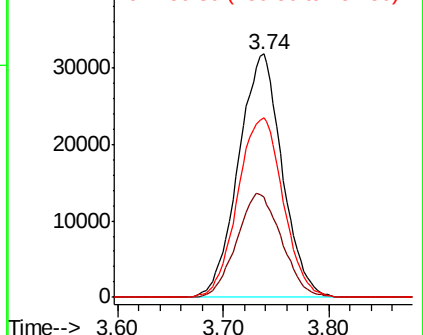
151 76.8 62.2 93.2



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: 19.589 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

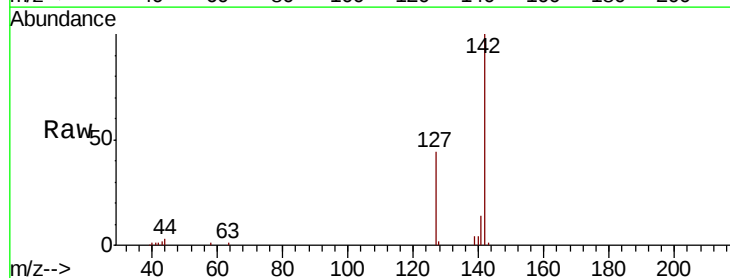
Tgt Ion:142 Resp: 109386

Ion Ratio Lower Upper

142 100

127 42.9 34.2 51.2

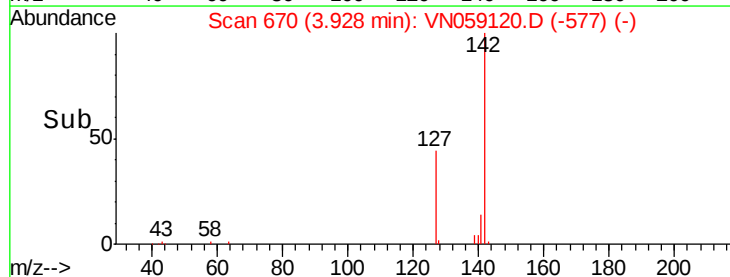
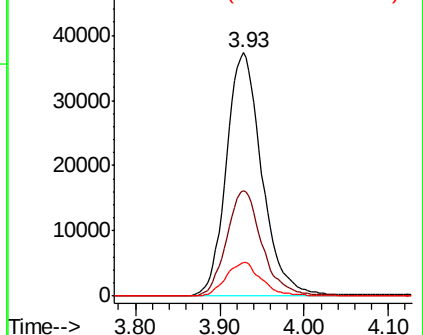
141 13.8 11.4 17.0

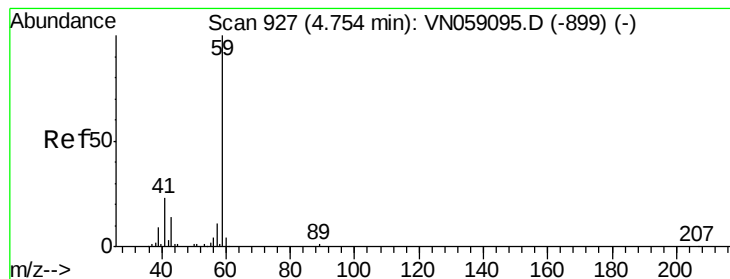


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



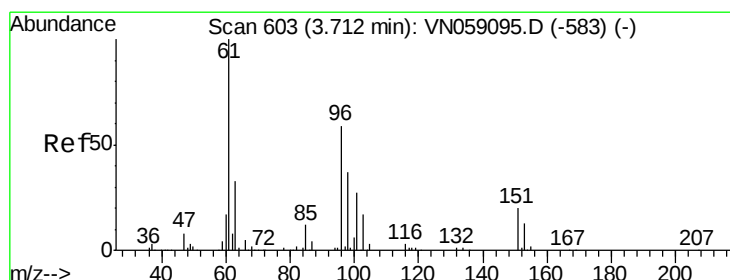
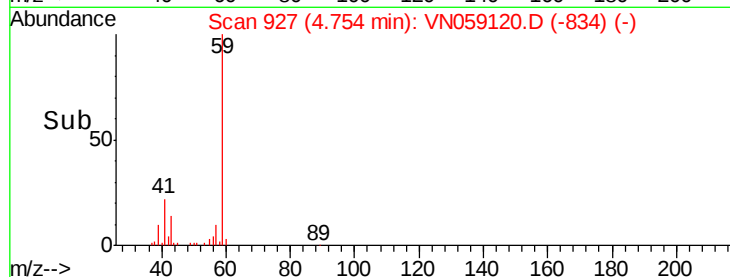
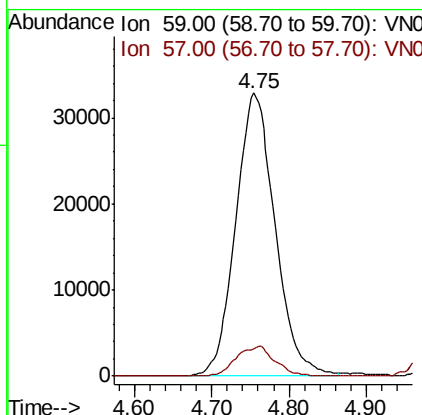
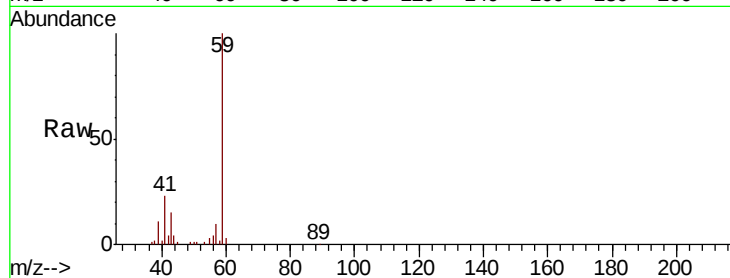


#11

Tert butyl alcohol
 Concen: 105.454 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN059120.D
 Acq: 7 Nov 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS02

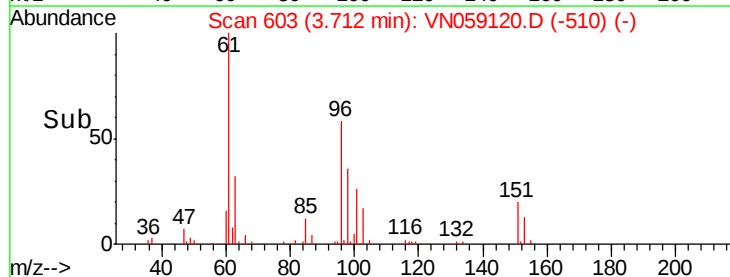
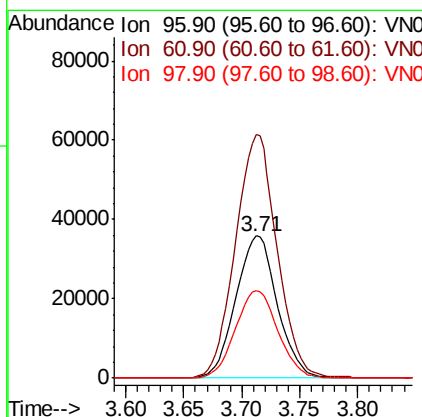
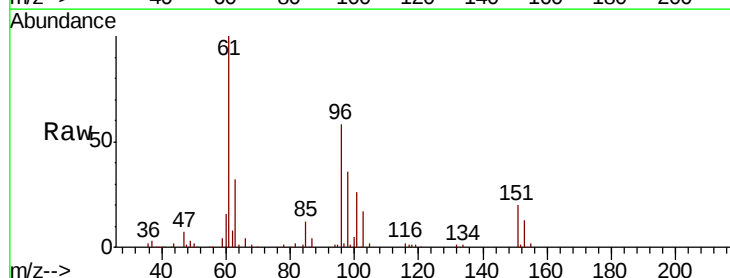
Tot Ion: 59 Resp: 116385
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.3 12.5

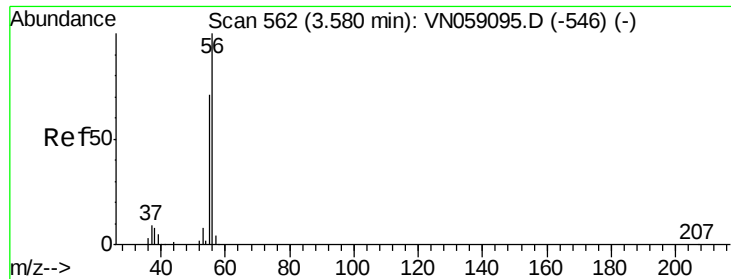


#12

1,1-Dichloroethene
 Concen: 20.243 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059120.D
 Acq: 7 Nov 2019 14:26

Tgt Ion: 96 Resp: 88963
 Ion Ratio Lower Upper
 96 100
 61 171.3 136.5 204.7
 98 61.7 50.2 75.4





#13

Acrolein

Concen: 91.933 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

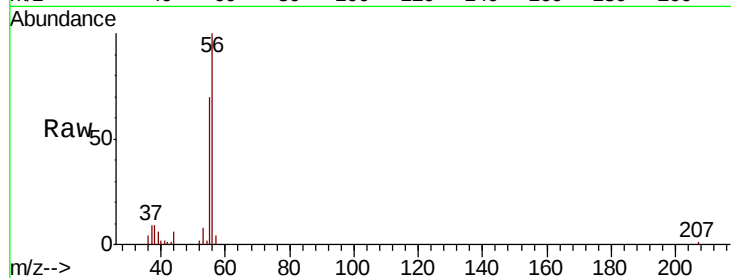
VN1107WBS02

Tot Ion: 56 Resp: 52312

Ion Ratio Lower Upper

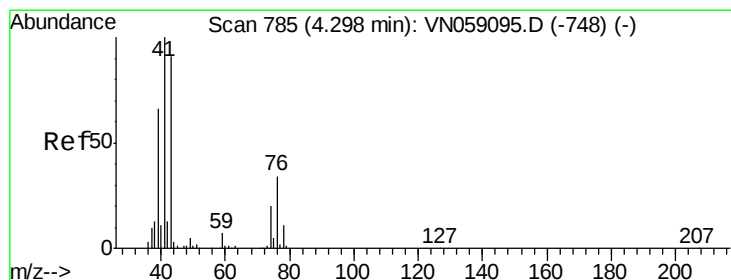
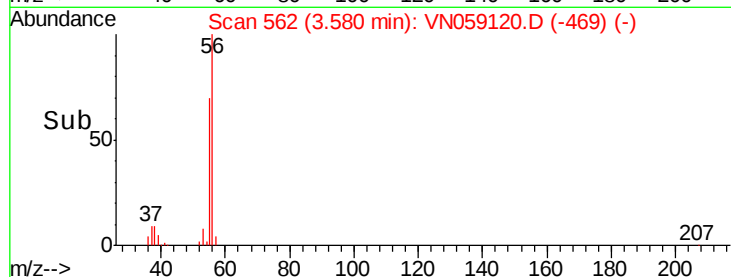
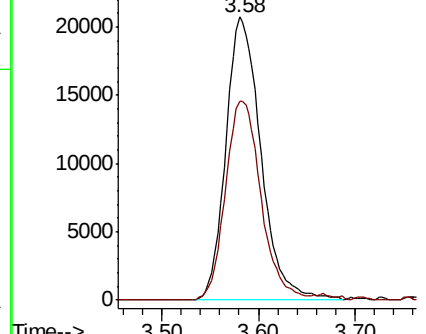
56 100

55 71.1 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.460 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

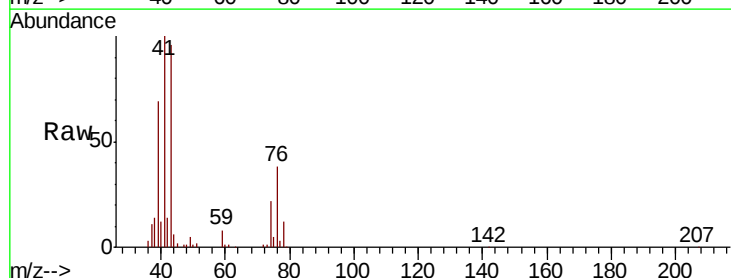
Tgt Ion: 41 Resp: 175667

Ion Ratio Lower Upper

41 100

39 61.4 49.1 73.7

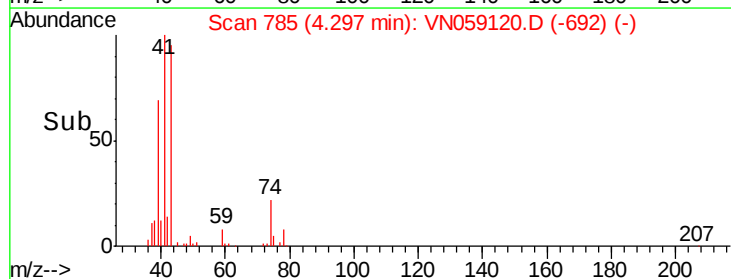
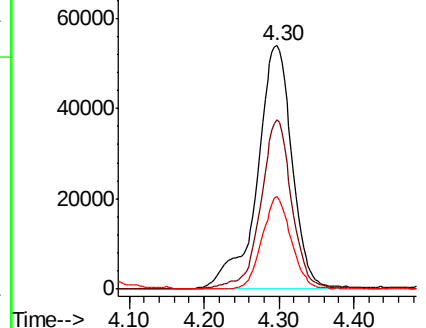
76 31.6 24.9 37.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 107.214 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS02

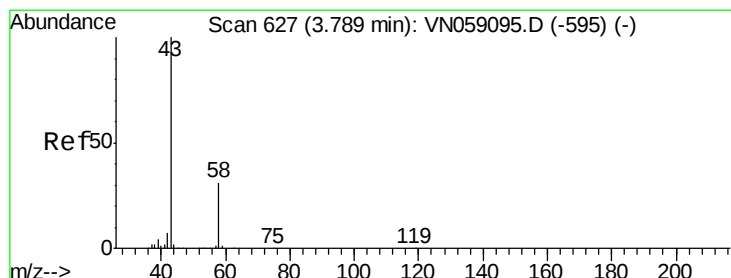
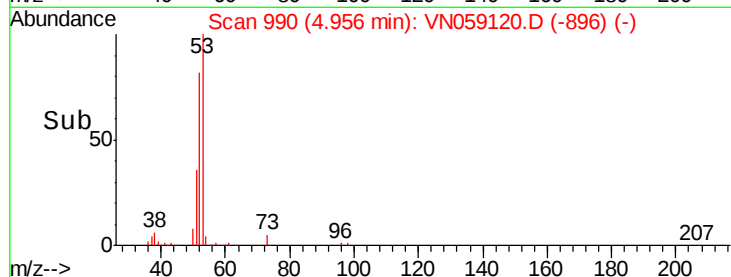
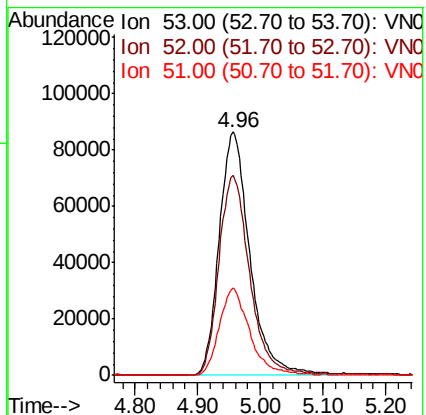
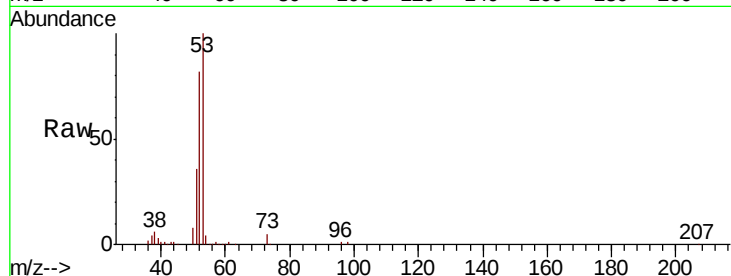
Tot Ion: 53 Resp: 294476

Ion Ratio Lower Upper

53 100

52 82.2 65.0 97.6

51 35.5 28.0 42.0



#16

Acetone

Concen: 99.267 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059120.D

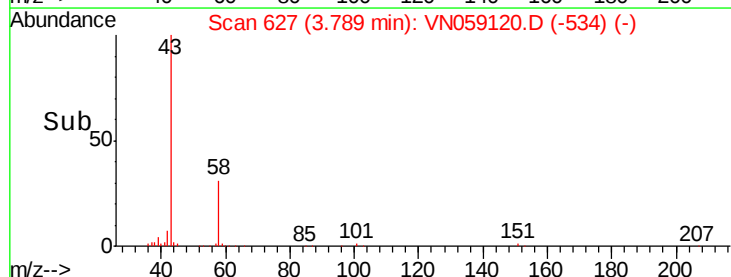
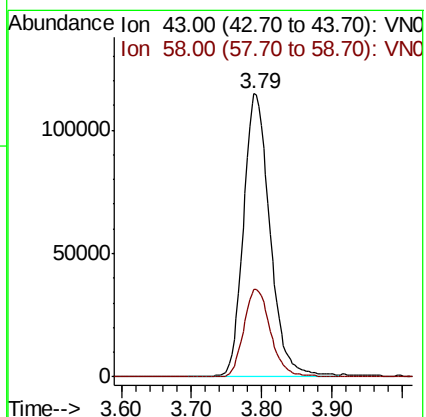
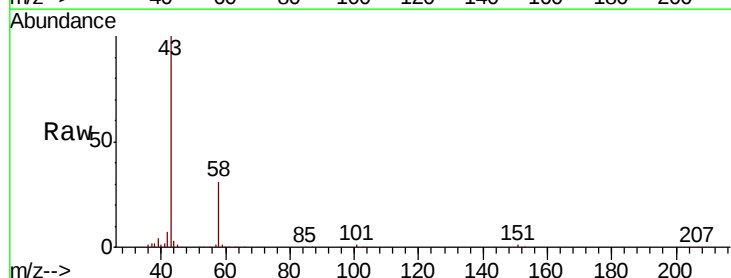
Acq: 7 Nov 2019 14:26

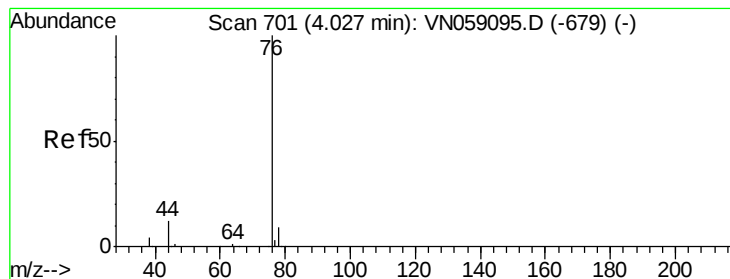
Tgt Ion: 43 Resp: 298942

Ion Ratio Lower Upper

43 100

58 30.9 24.9 37.3





#17

Carbon Disulfide

Concen: 18.756 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

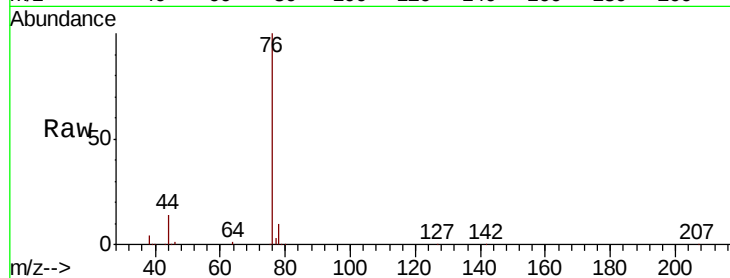
VN1107WBS02

Tot Ion: 76 Resp: 255874

Ion Ratio Lower Upper

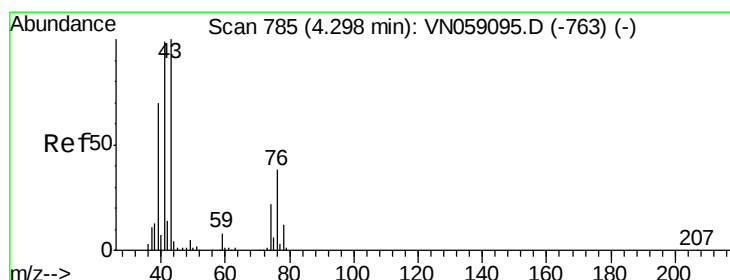
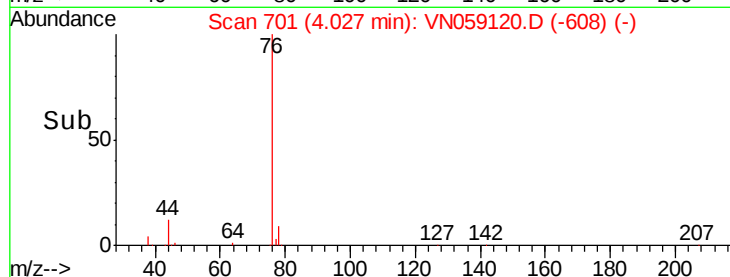
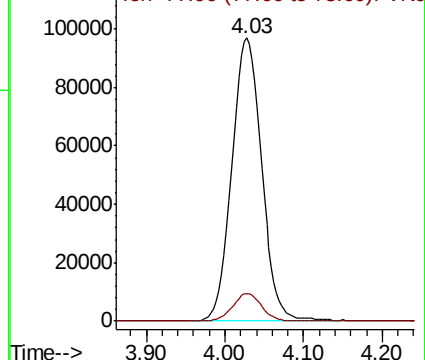
76 100

78 9.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 21.621 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN059120.D

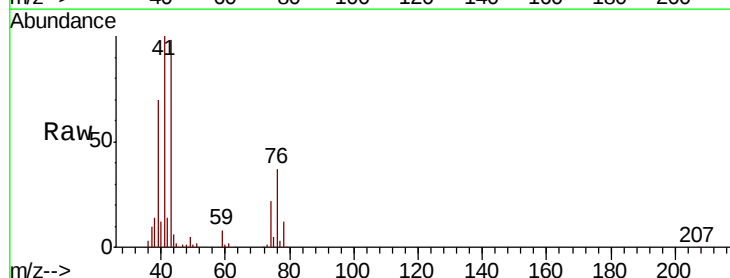
Acq: 7 Nov 2019 14:26

Tgt Ion: 43 Resp: 154545

Ion Ratio Lower Upper

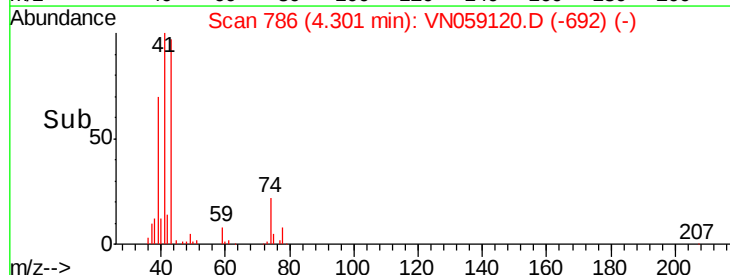
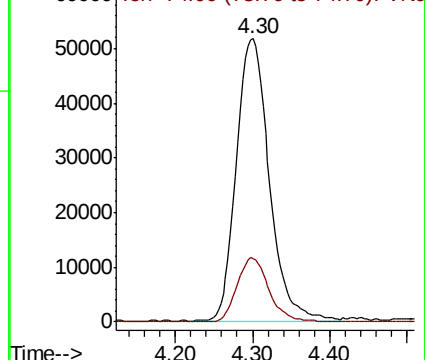
43 100

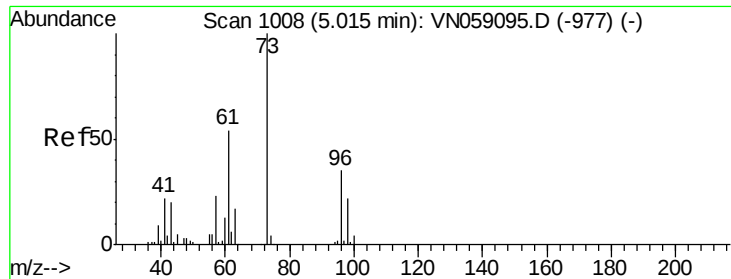
74 21.7 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

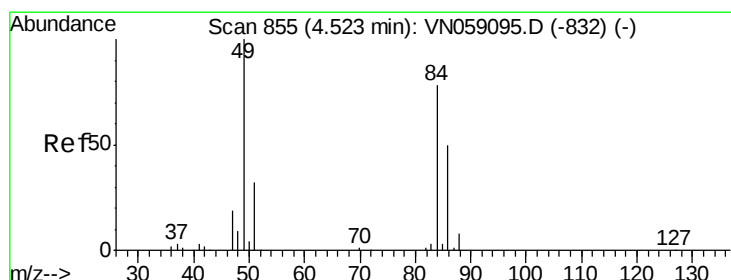
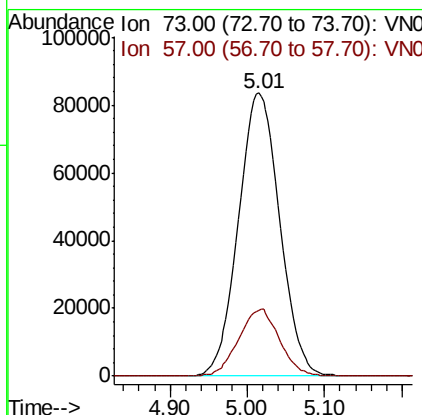
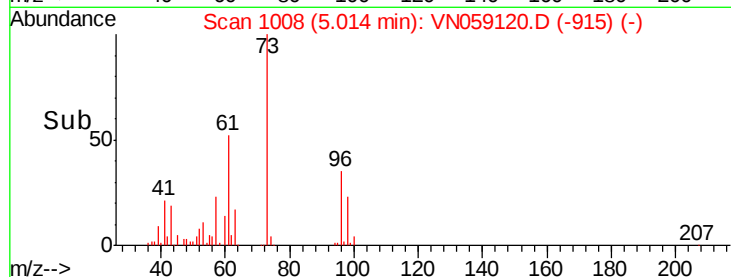
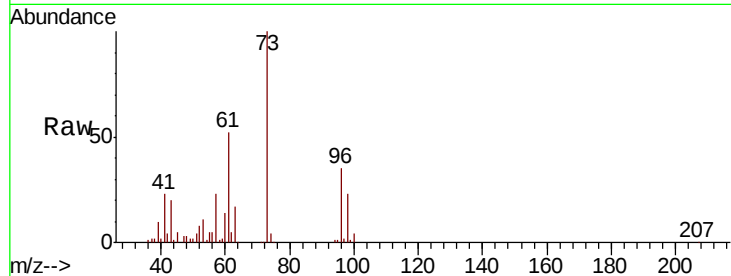




#19
Methyl tert-butyl Ether
Concen: 20.511 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

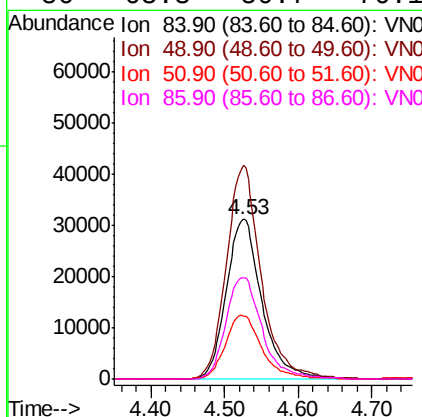
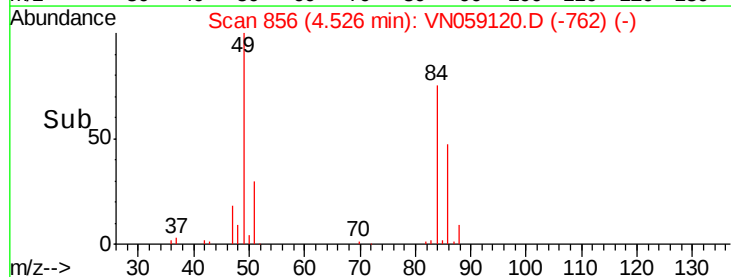
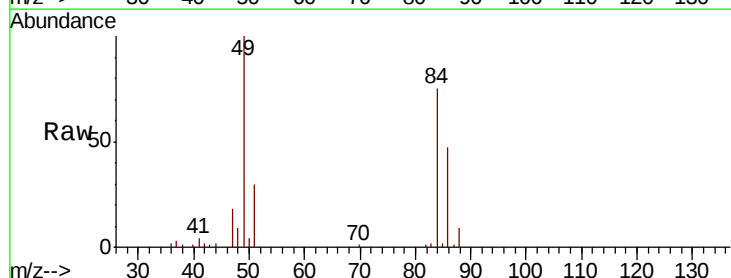
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS02

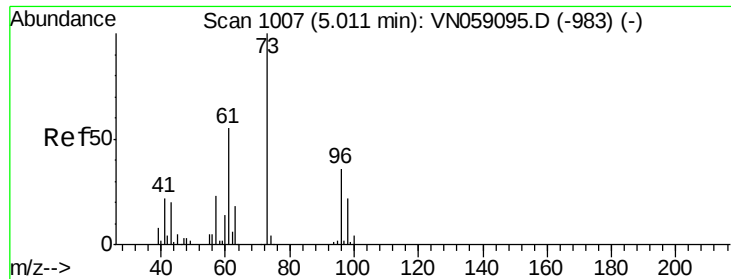
Tot Ion: 73 Resp: 310340
Ion Ratio Lower Upper
73 100
57 23.4 18.4 27.6



#20
Methylene Chloride
Concen: 19.942 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

Tgt Ion: 84 Resp: 104626
Ion Ratio Lower Upper
84 100
49 133.5 102.0 153.0
51 39.5 32.2 48.2
86 63.3 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 20.186 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS02

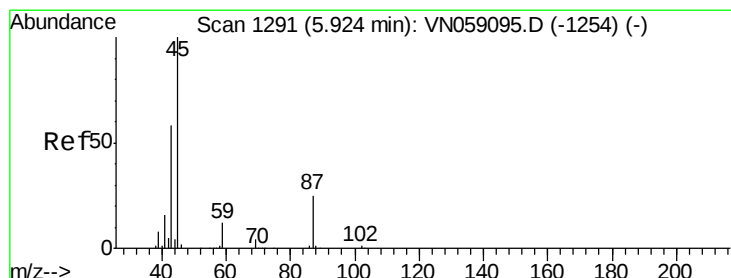
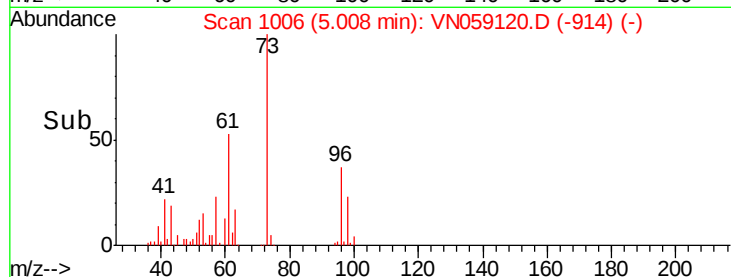
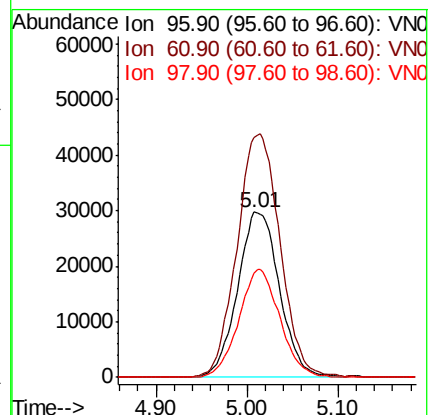
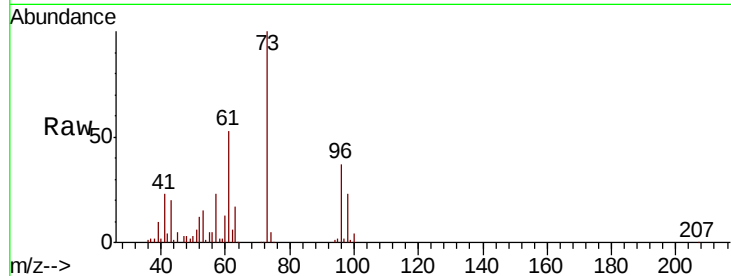
Tot Ion: 96 Resp: 95220

Ion Ratio Lower Upper

96 100

61 144.3 122.6 183.8

98 63.1 50.3 75.5



#22

Diisopropyl ether

Concen: 20.545 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Tgt Ion: 45 Resp: 350321

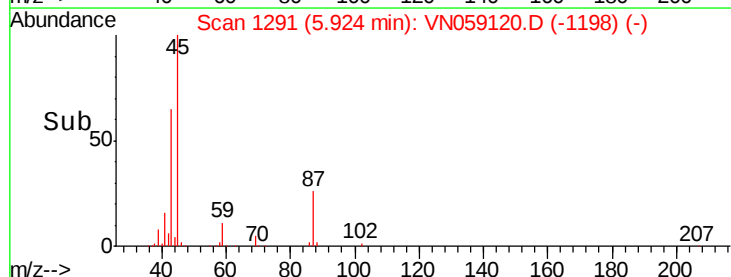
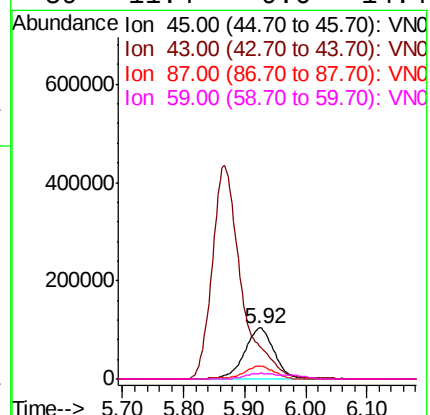
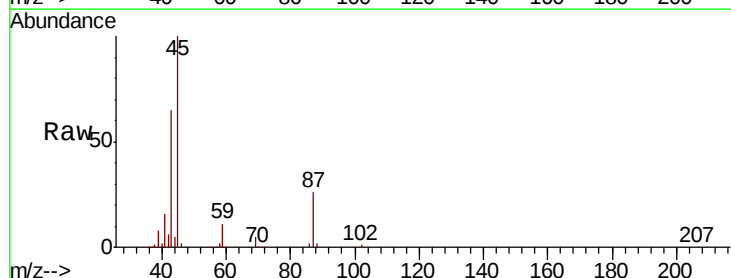
Ion Ratio Lower Upper

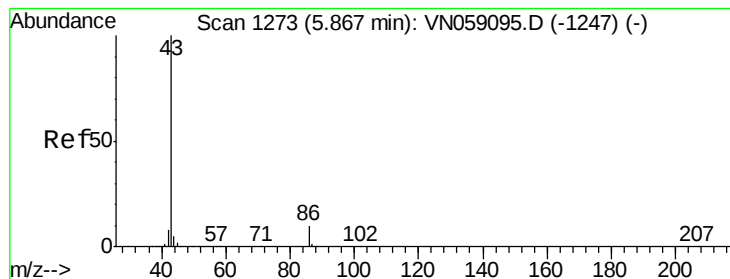
45 100

43 64.0 46.7 70.1

87 25.7 20.5 30.7

59 11.4 9.6 14.4





#23

Vinyl Acetate

Concen: 109.261 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

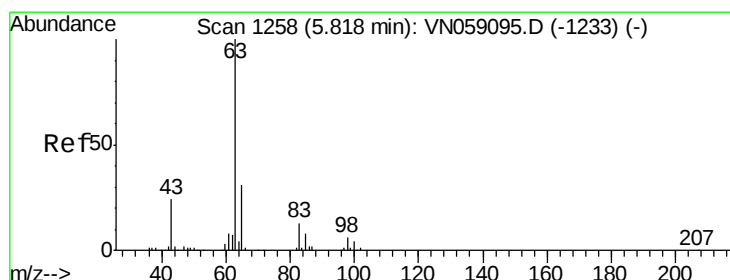
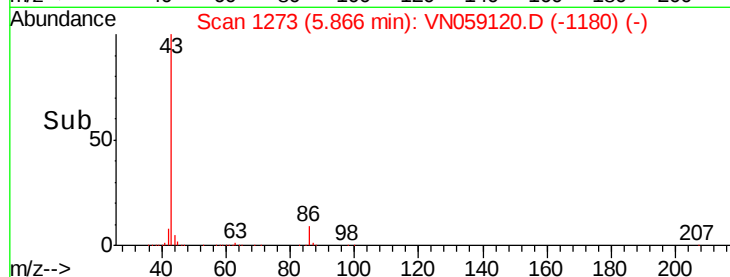
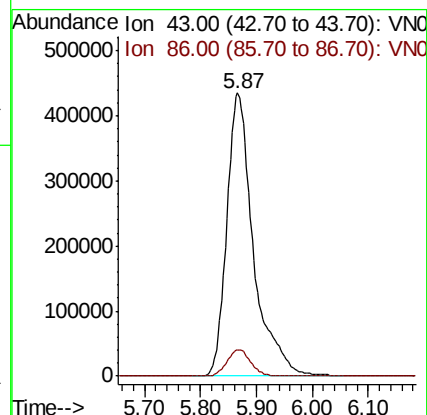
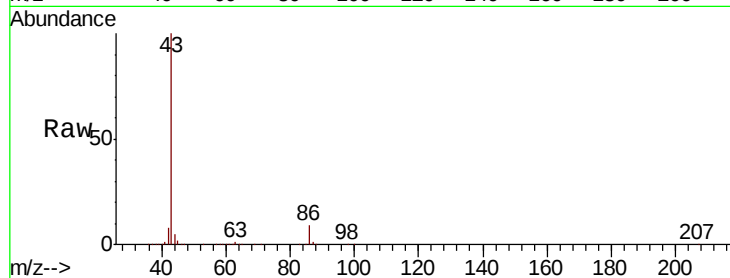
VN1107WBS02

Tot Ion: 43 Resp: 1443876

Ion Ratio Lower Upper

43 100

86 9.4 7.7 11.5



#24

1,1-Dichloroethane

Concen: 20.167 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

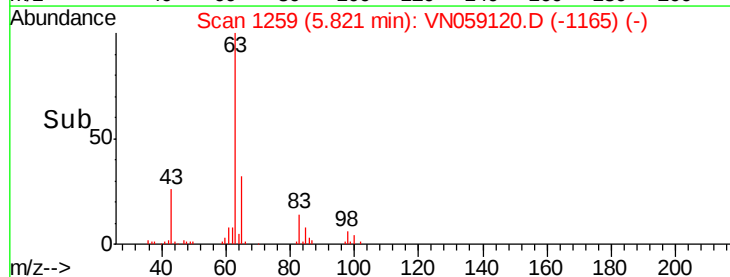
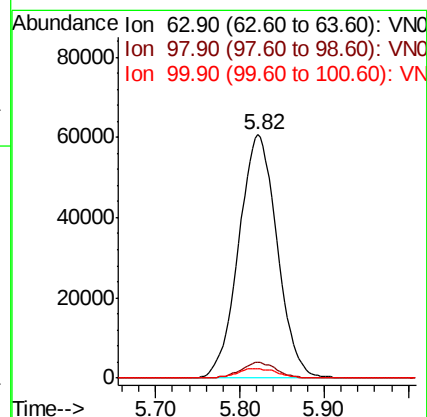
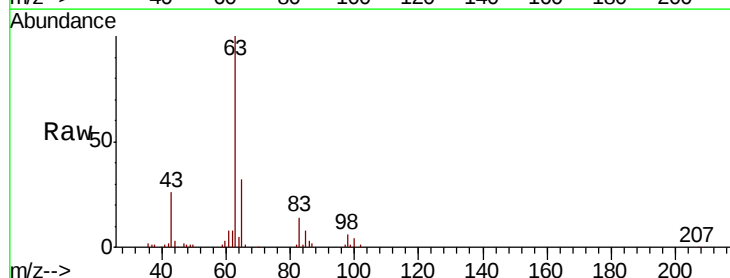
Tgt Ion: 63 Resp: 192060

Ion Ratio Lower Upper

63 100

98 6.4 2.8 8.4

100 4.0 1.9 5.7

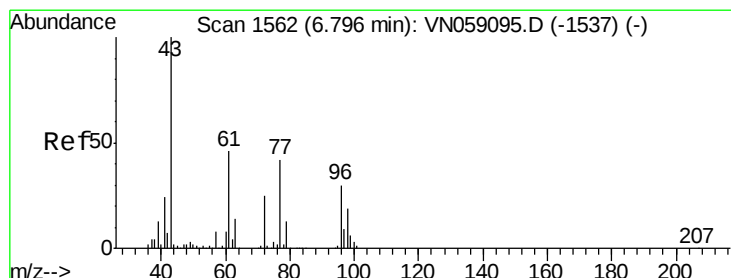
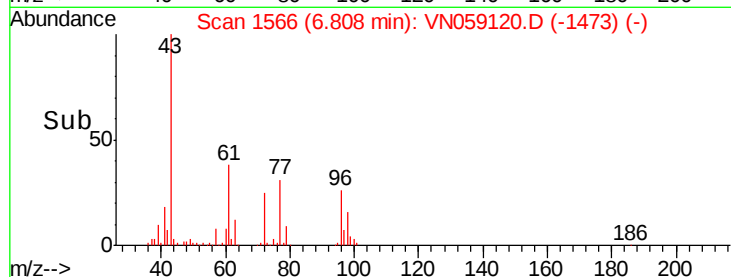
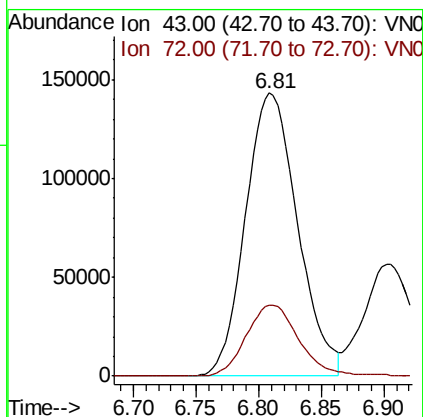
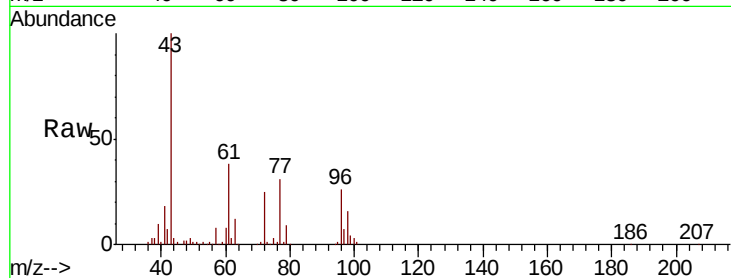




#25
2-Butanone
Concen: 103.981 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

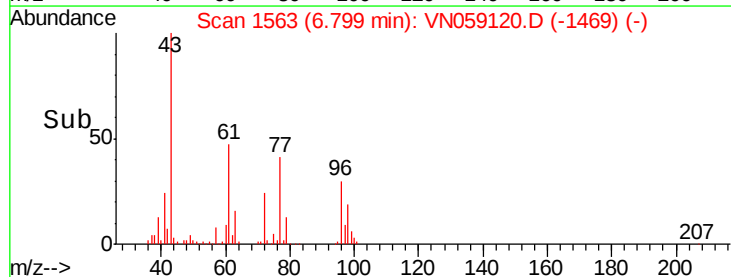
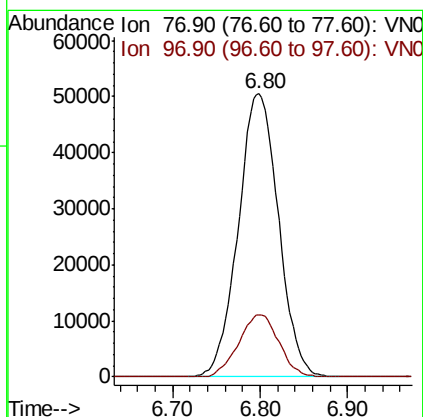
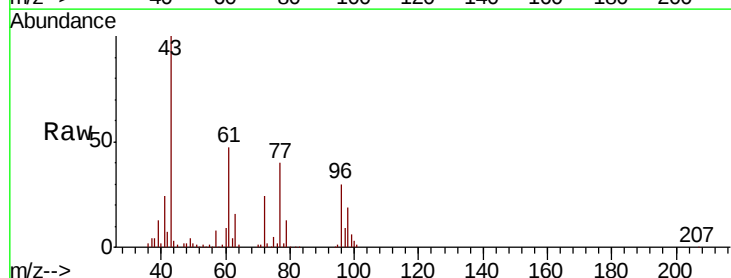
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS02

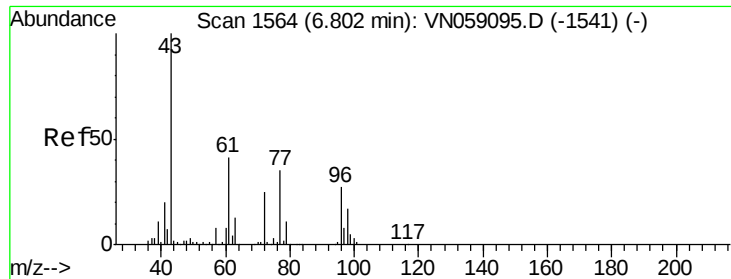
Tot Ion: 43 Resp: 412696
Ion Ratio Lower Upper
43 100
72 25.0 20.3 30.5



#26
2,2-Dichloropropane
Concen: 19.331 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

Tgt Ion: 77 Resp: 160977
Ion Ratio Lower Upper
77 100
97 22.0 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.393 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS02

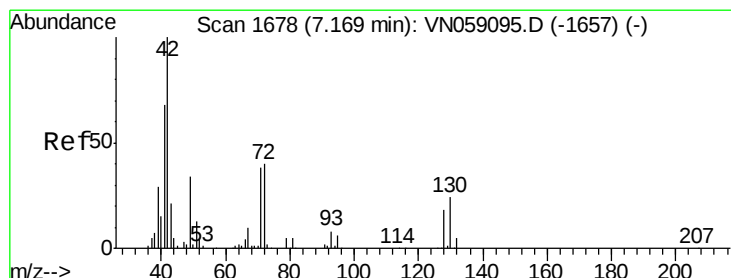
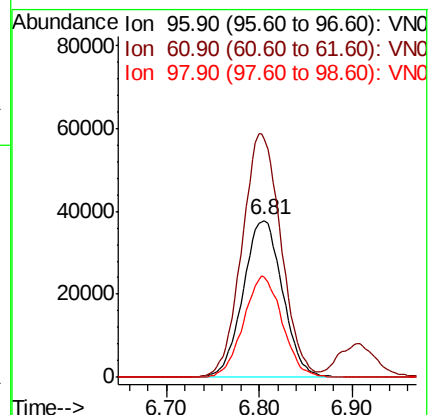
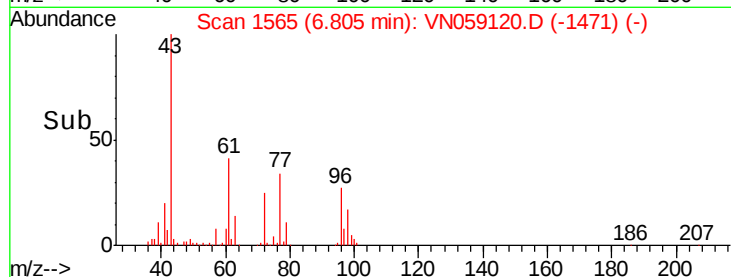
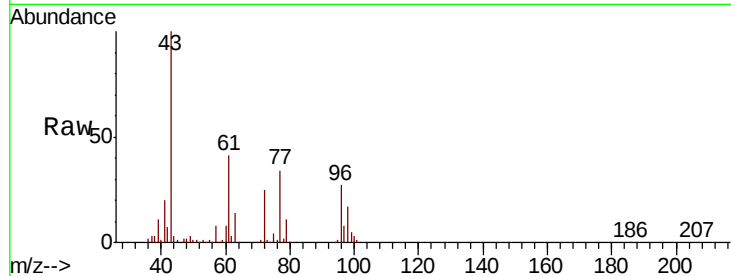
Tot Ion: 96 Resp: 111605

Ion Ratio Lower Upper

96 100

61 154.0 0.0 311.6

98 63.0 0.0 129.8



#28

Bromochloromethane

Concen: 21.019 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

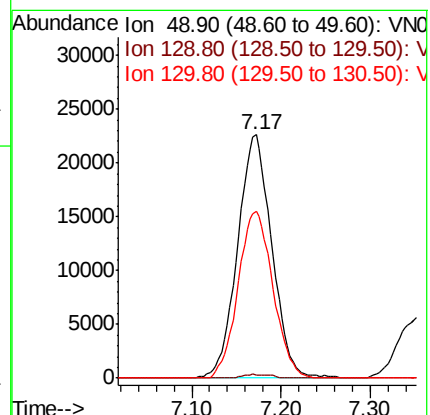
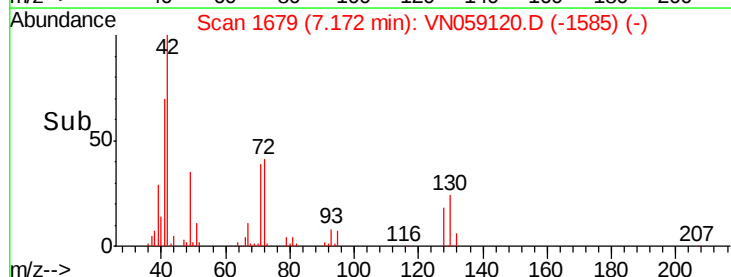
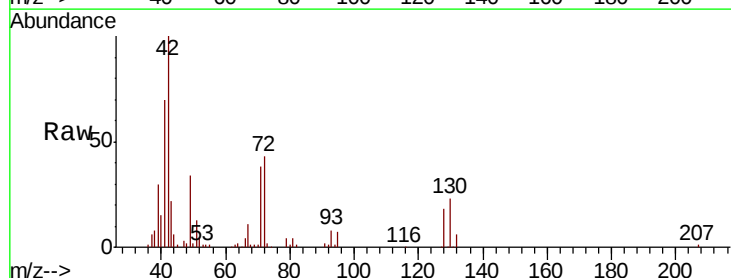
Tgt Ion: 49 Resp: 60223

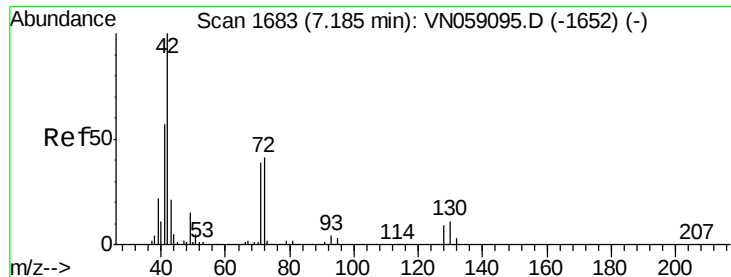
Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.8

130 69.4 55.6 83.4

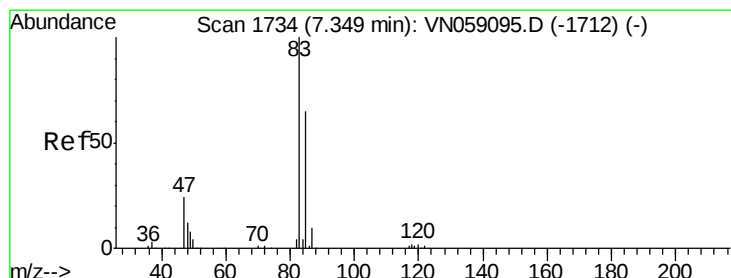
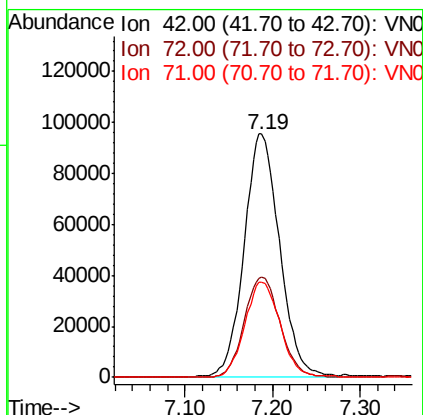
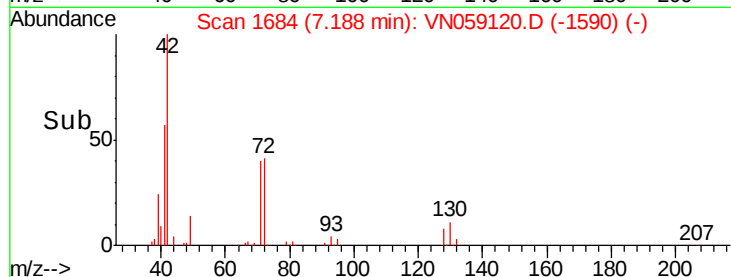
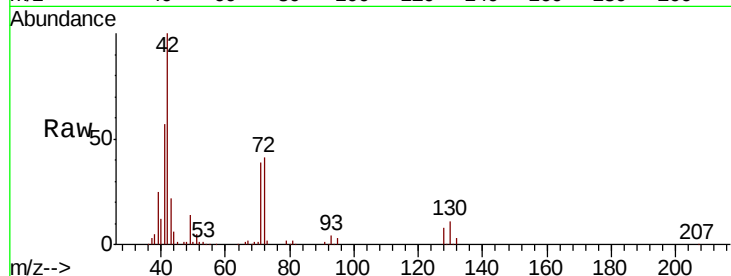




#29
Tetrahydrofuran
Concen: 106.200 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

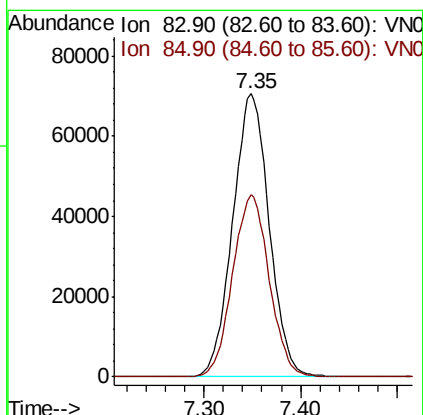
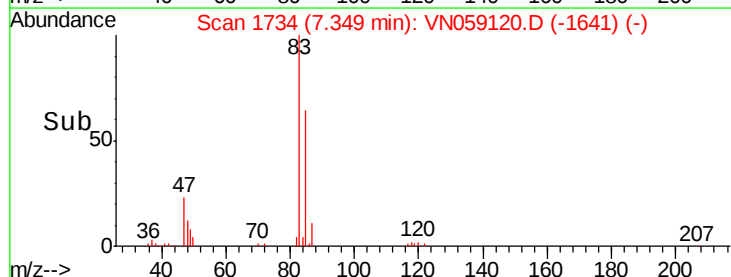
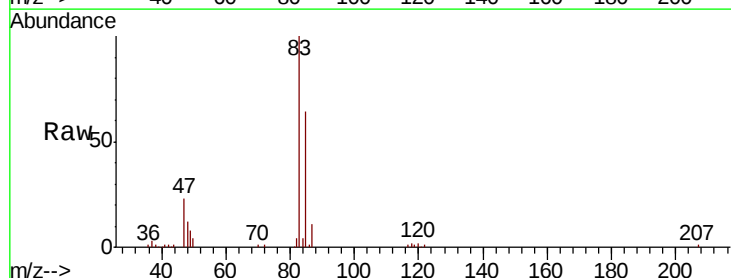
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS02

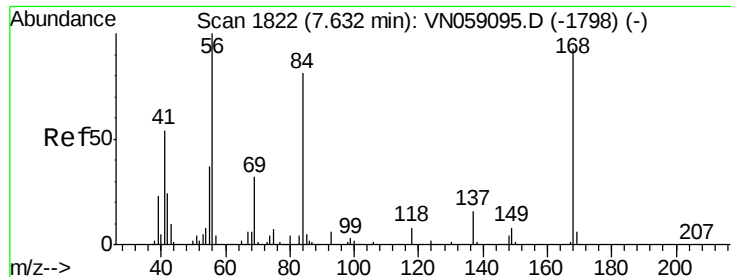
Tot Ion: 42 Resp: 267823
Ion Ratio Lower Upper
42 100
72 41.6 33.1 49.7
71 39.1 30.9 46.3



#30
Chloroform
Concen: 20.238 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

Tgt Ion: 83 Resp: 184884
Ion Ratio Lower Upper
83 100
85 64.4 51.8 77.8

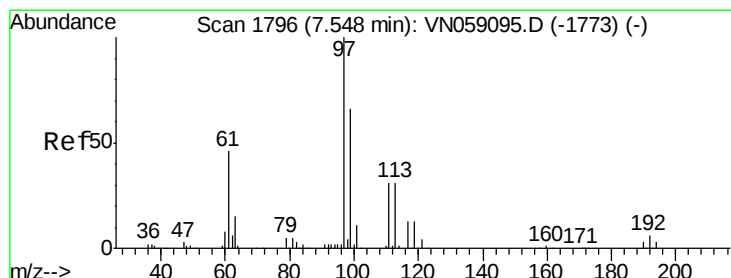
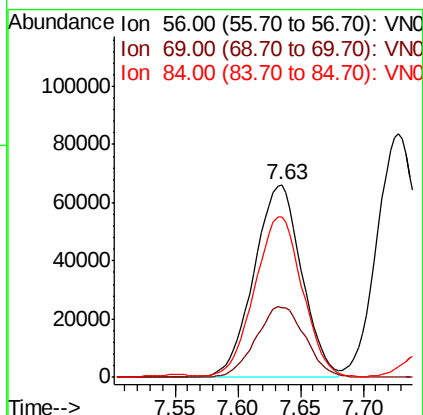
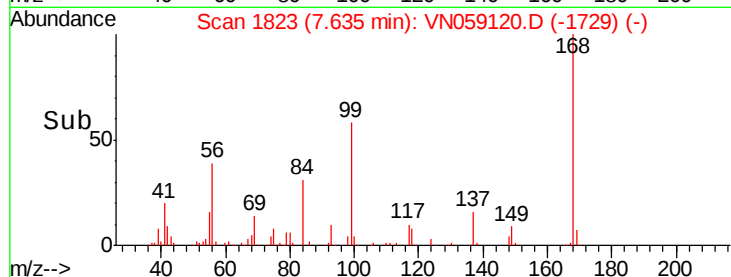
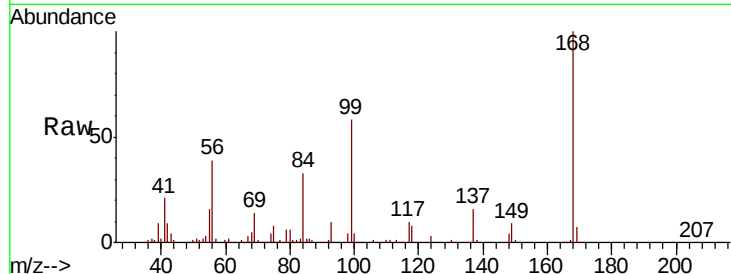




#31
Cyclohexane
Concen: 19.469 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

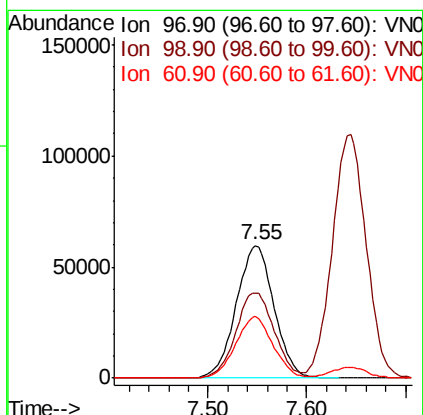
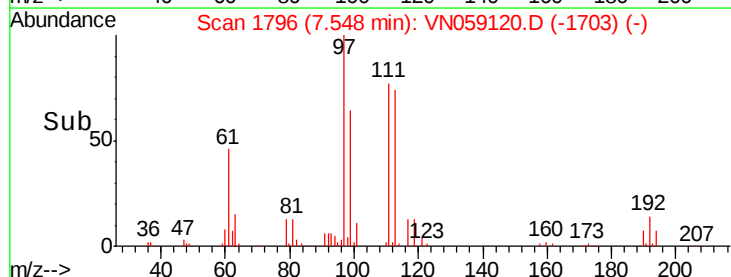
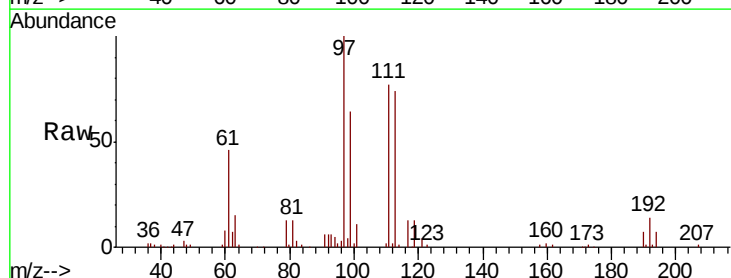
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS02

Tot Ion: 56 Resp: 175524
Ion Ratio Lower Upper
56 100
69 36.3 25.8 38.8
84 82.1 65.0 97.4



#32
1,1,1-Trichloroethane
Concen: 20.600 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

Tgt Ion: 97 Resp: 158224
Ion Ratio Lower Upper
97 100
99 65.5 51.0 76.6
61 46.0 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 50.593 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

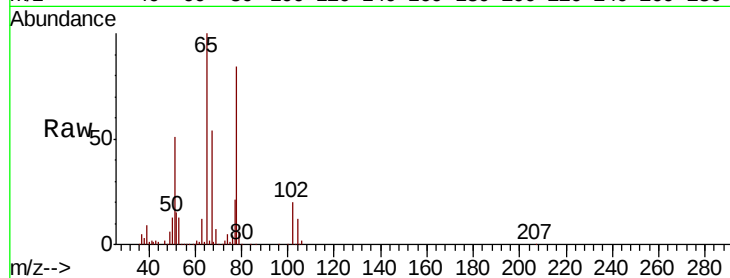
VN1107WBS02

Tot Ion: 65 Resp: 292989

Ion Ratio Lower Upper

65 100

67 55.1 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059120.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059120.D (-1845) (-)

8.00

150000

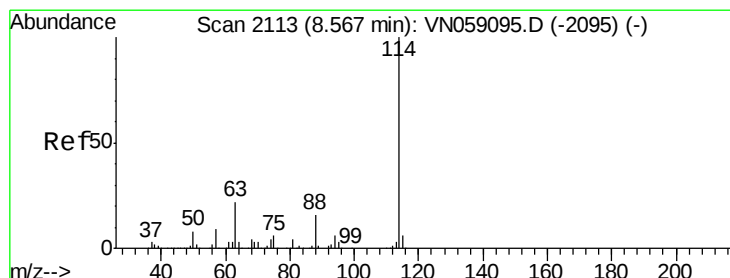
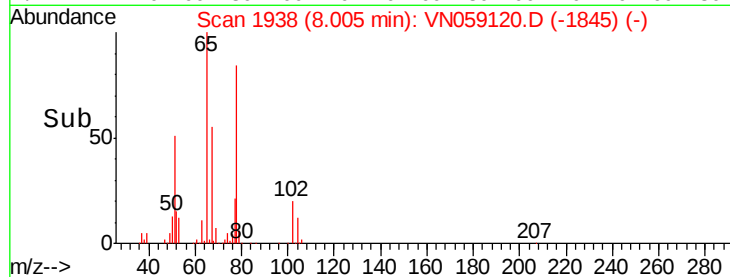
100000

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# 2113

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

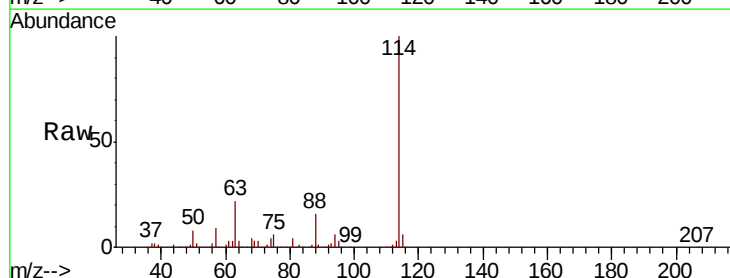
Tgt Ion:114 Resp: 738101

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.4

88 16.1 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059120.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059120.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059120.D (-2020) (-)

8.57

400000

300000

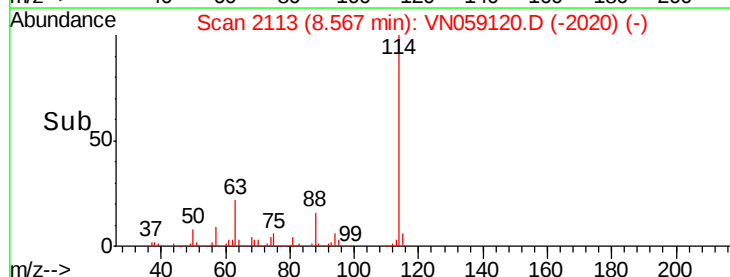
200000

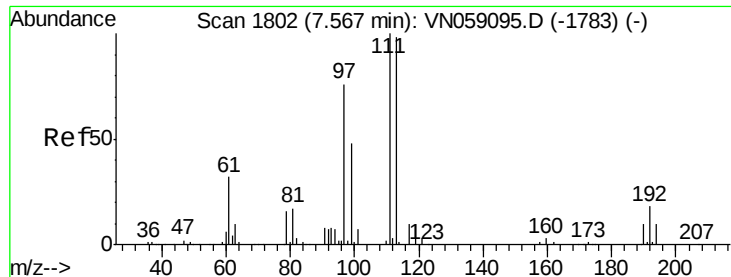
100000

0

8.50 8.60 8.70

Time-->

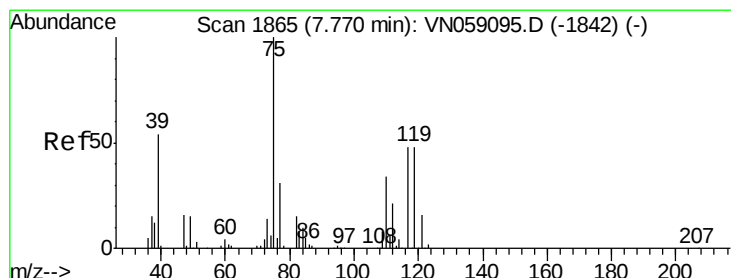
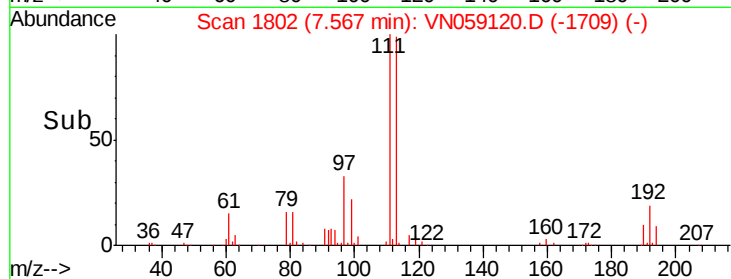
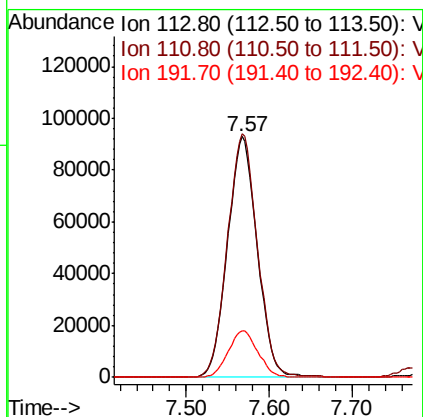
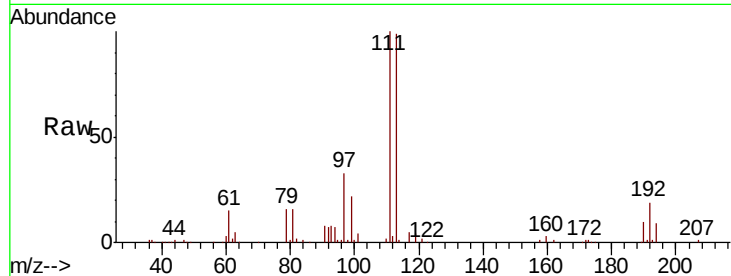




#35
Dibromofluoromethane
Concen: 52.469 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

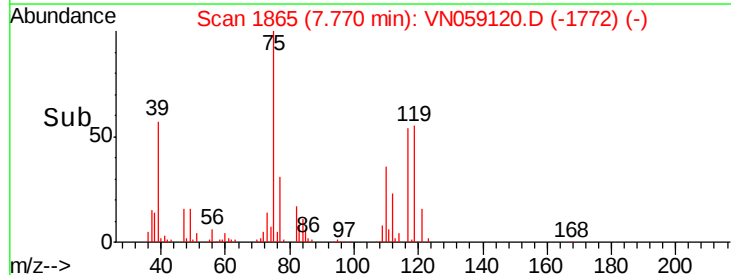
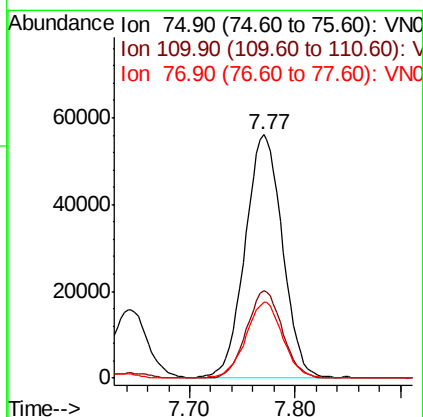
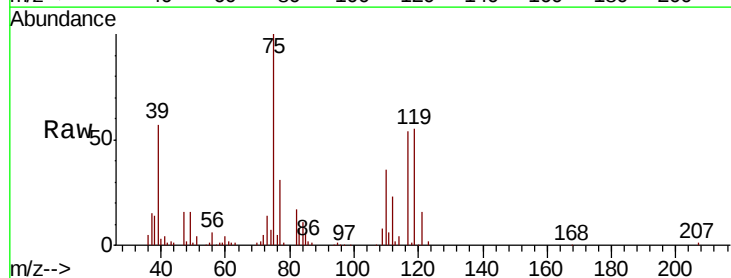
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS02

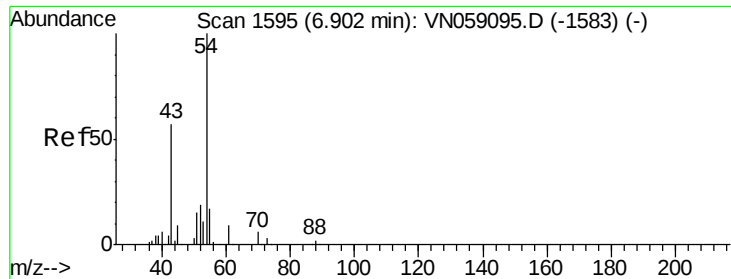
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.8	124.2
192	19.4	16.1	24.1



#36
1,1-Dichloropropene
Concen: 20.070 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.1	51.2
77	30.8	24.8	37.2

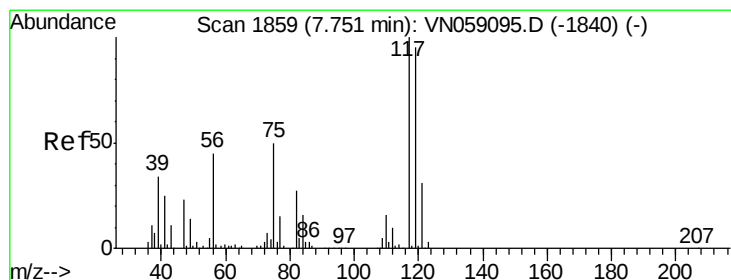
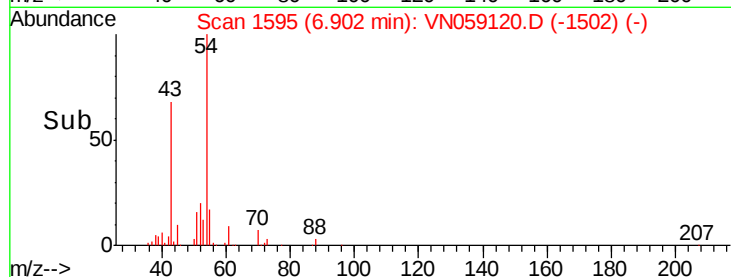
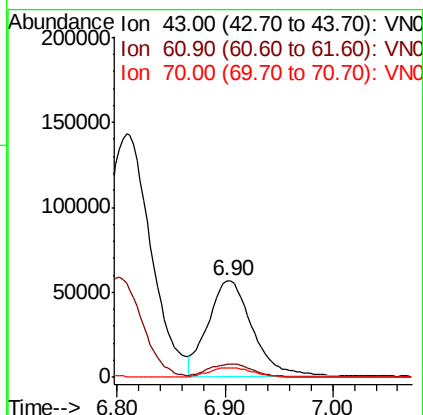
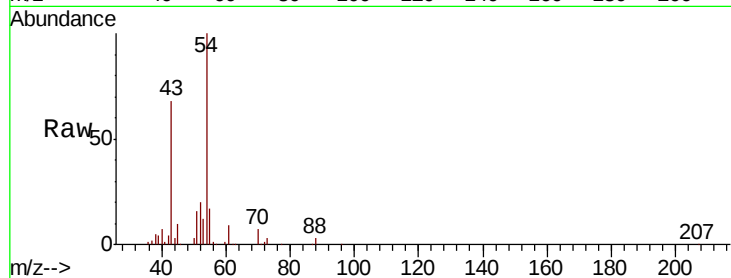




#37
Ethyl Acetate
Concen: 20.836 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

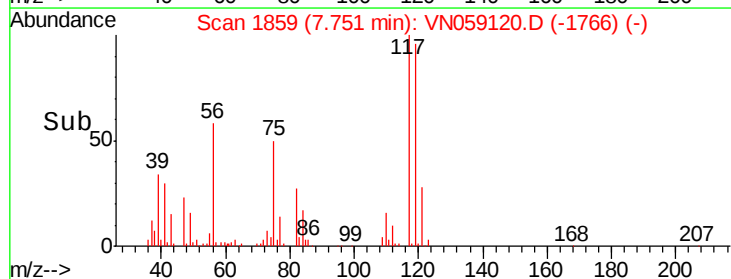
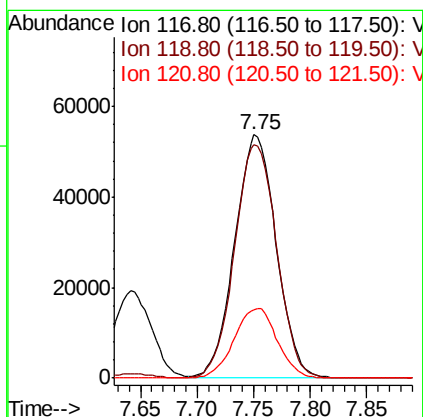
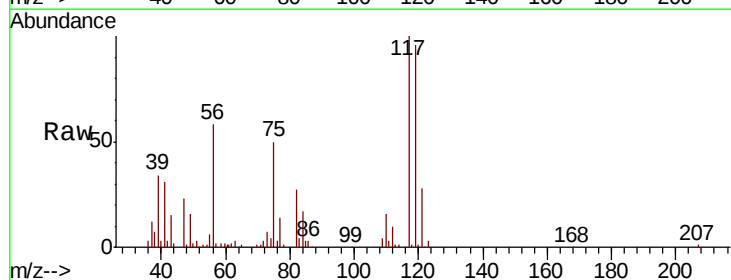
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS02

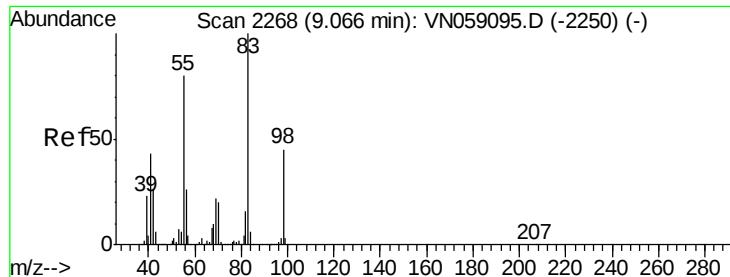
Tot Ion: 43 Resp: 159918
Ion Ratio Lower Upper
43 100
61 14.7 11.2 16.8
70 10.3 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.988 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

Tgt Ion: 117 Resp: 137254
Ion Ratio Lower Upper
117 100
119 96.0 75.6 113.4
121 28.1 24.6 36.8

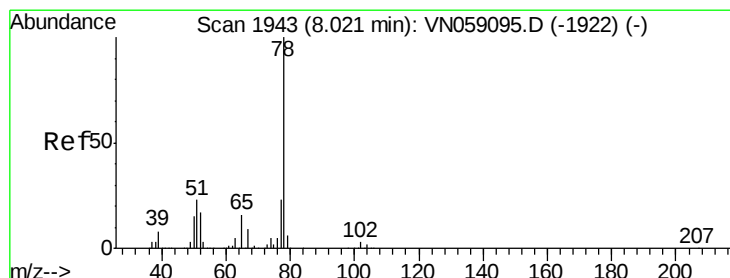
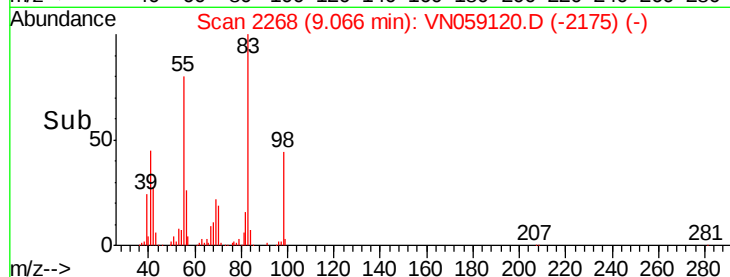
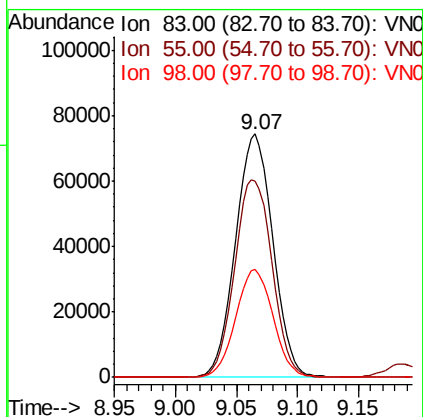
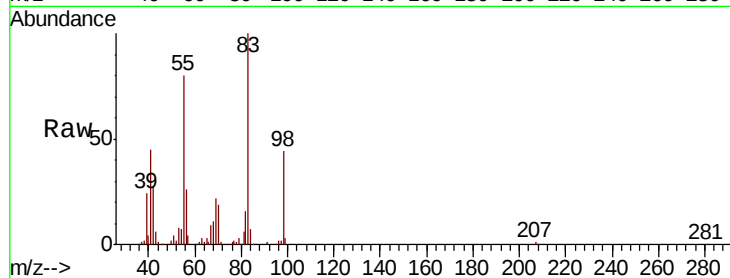




#39
Methvlcvclohexane
Concen: 19.726 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

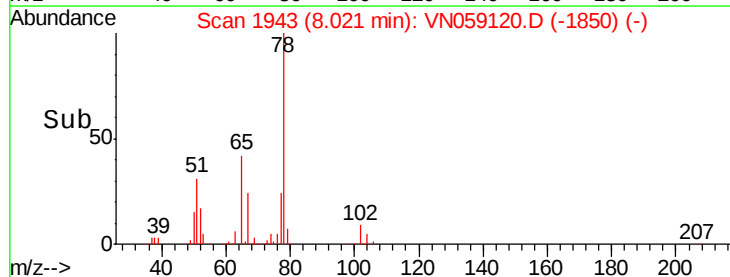
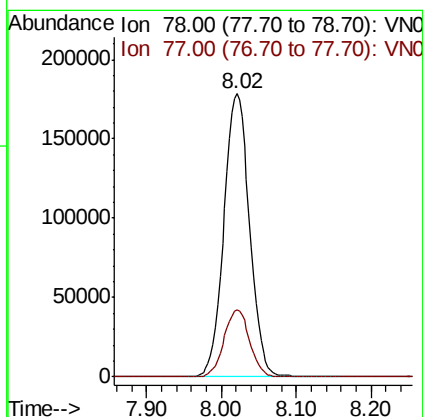
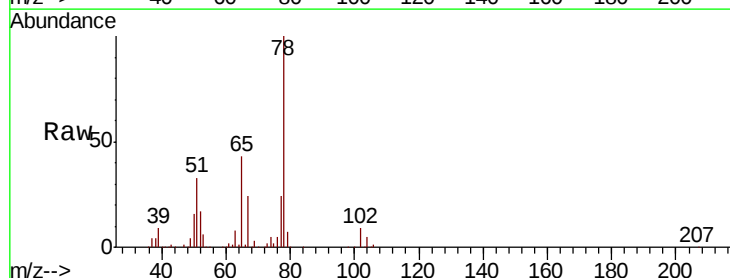
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS02

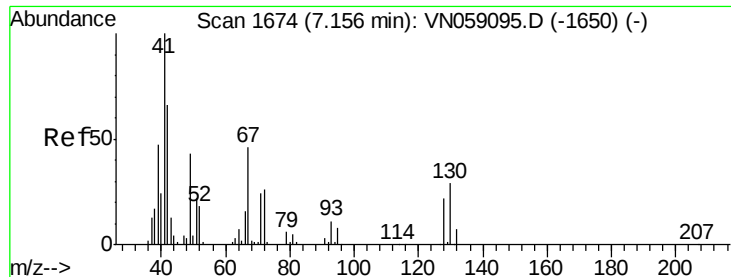
Tot Ion: 83 Resp: 157950
Ion Ratio Lower Upper
83 100
55 80.4 63.9 95.9
98 44.3 35.6 53.4



#40
Benzene
Concen: 20.389 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

Tgt Ion: 78 Resp: 423599
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2

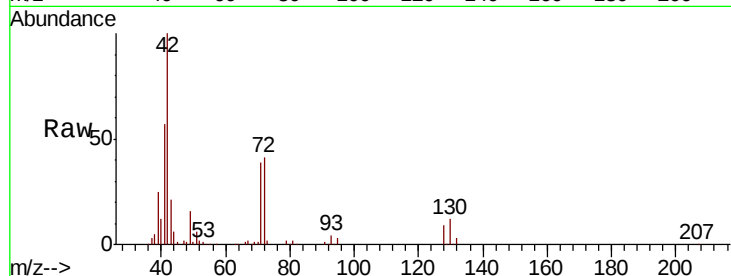




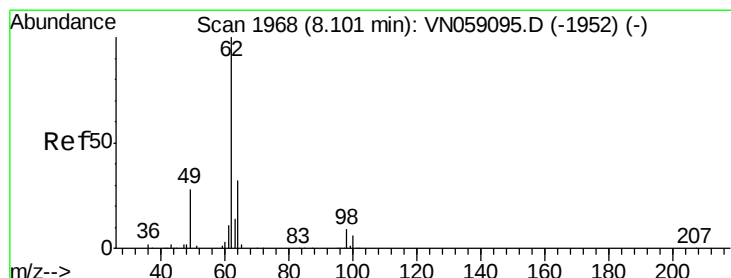
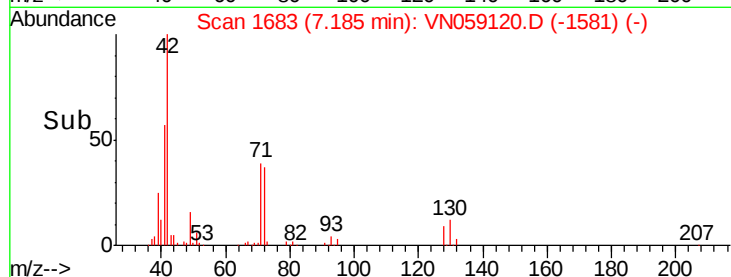
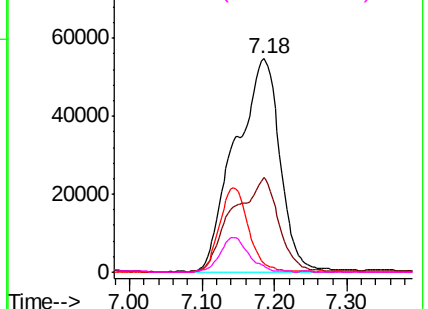
#41
Methacrylonitrile
Concen: 70.527 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS02

Tot Ion: 41 Resp: 235380
Ion Ratio Lower Upper
41 100
39 45.7 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

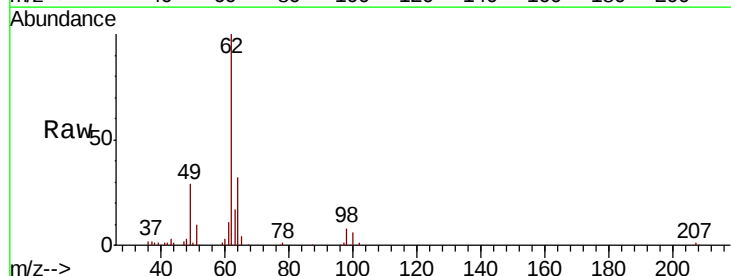


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

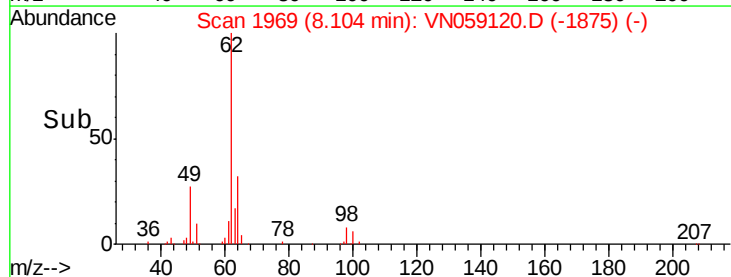
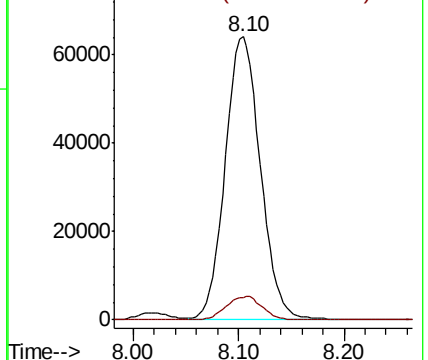


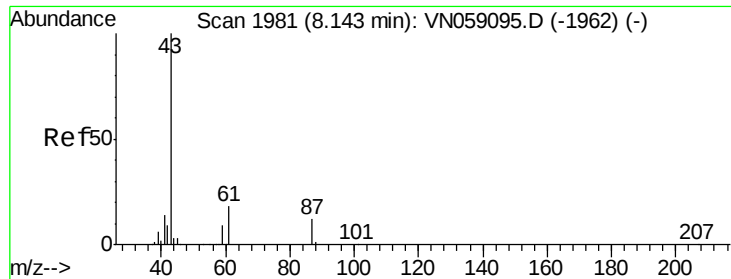
#42
1,2-Dichloroethane
Concen: 20.727 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

Tgt Ion: 62 Resp: 147688
Ion Ratio Lower Upper
62 100
98 8.4 0.0 17.8



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



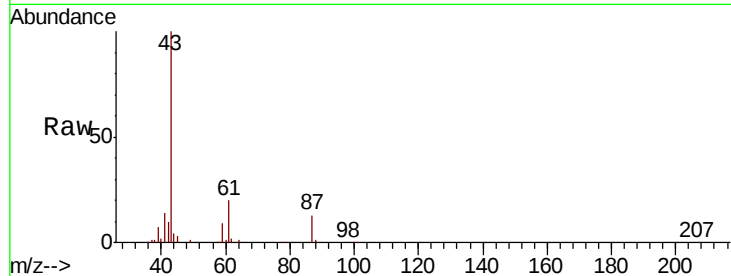


#43

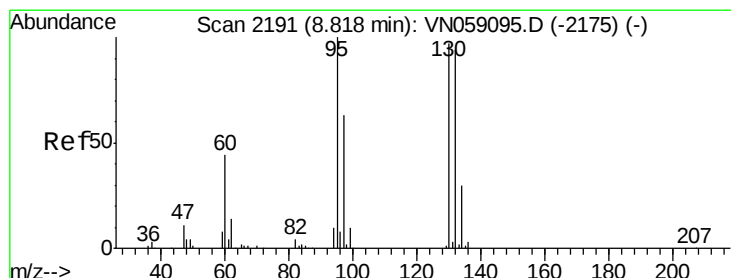
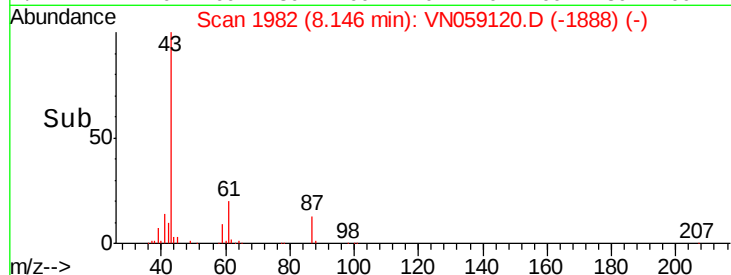
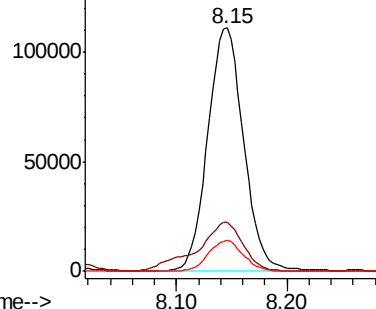
Isopropyl Acetate
 Concen: 20.305 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059120.D
 Acq: 7 Nov 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS02

Tot Ion: 43 Resp: 248452
 Ion Ratio Lower Upper
 43 100
 61 25.8 21.0 31.6
 87 12.4 9.8 14.6



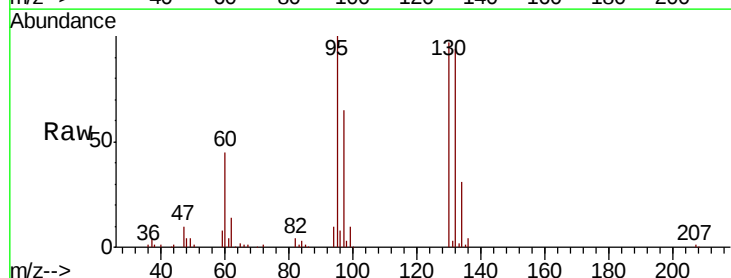
Abundance Ion 43.00 (42.70 to 43.70): VN0
 150000 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



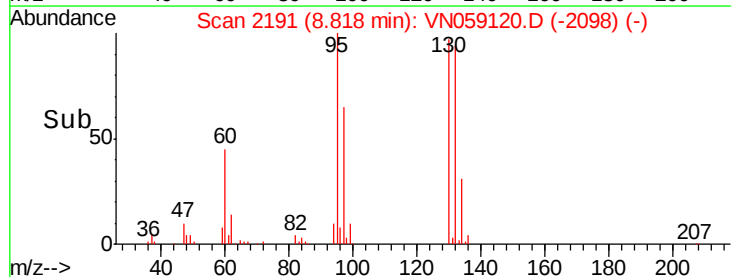
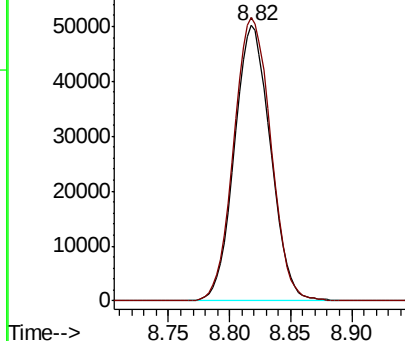
#44

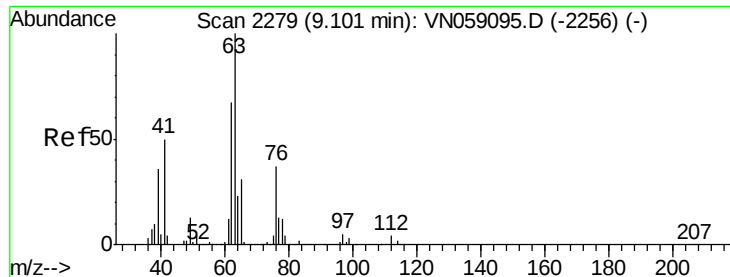
Trichloroethene
 Concen: 20.153 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN059120.D
 Acq: 7 Nov 2019 14:26

Tgt Ion: 130 Resp: 102921
 Ion Ratio Lower Upper
 130 100
 95 102.8 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): V
 60000 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.428 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

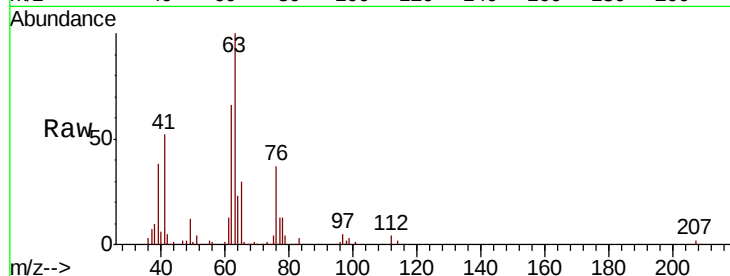
VN1107WBS02

Tot Ion: 63 Resp: 115278

Ion Ratio Lower Upper

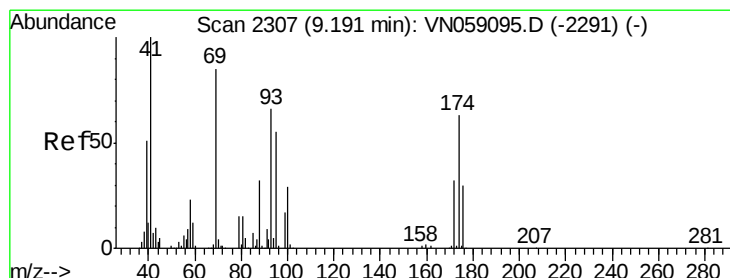
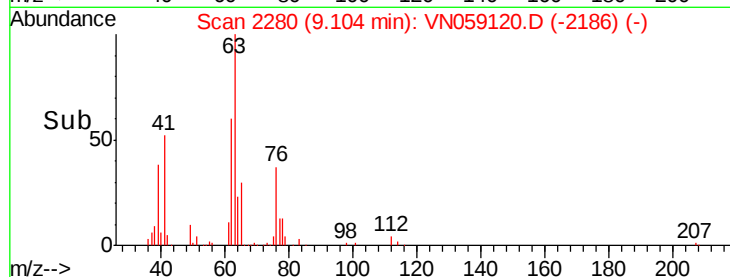
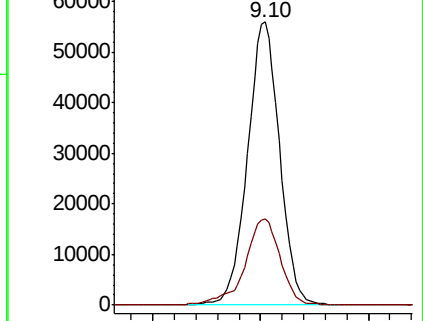
63 100

65 30.3 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN059120.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059120.D (-2186) (-)



#46

Dibromomethane

Concen: 20.181 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

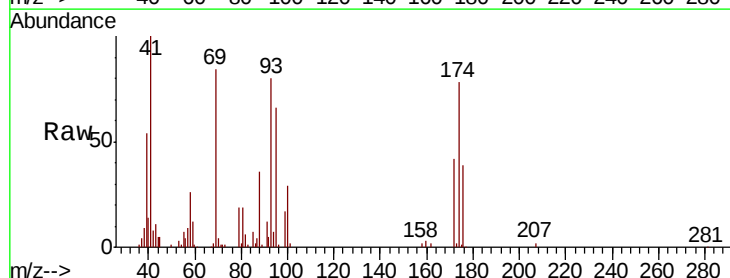
Tgt Ion: 93 Resp: 70966

Ion Ratio Lower Upper

93 100

95 82.7 66.6 100.0

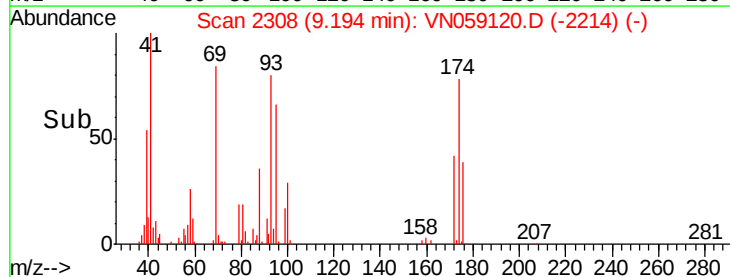
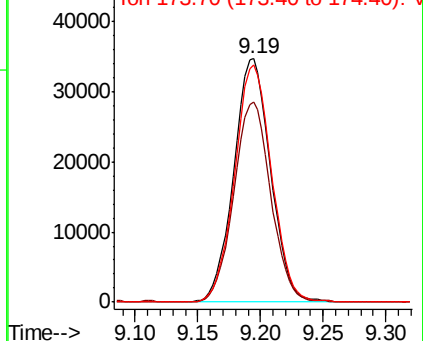
174 97.5 78.2 117.2

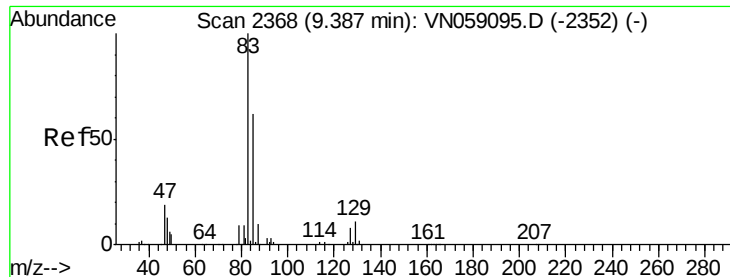


Abundance Ion 92.80 (92.50 to 93.50): VN059120.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN059120.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN059120.D (-2214) (-)





#47

Bromodichloromethane

Concen: 20.610 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS02

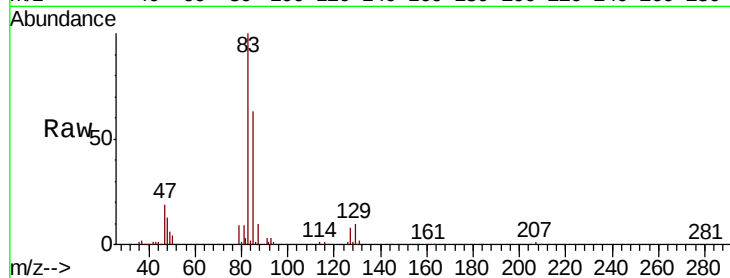
Tot Ion: 83 Resp: 144719

Ion Ratio Lower Upper

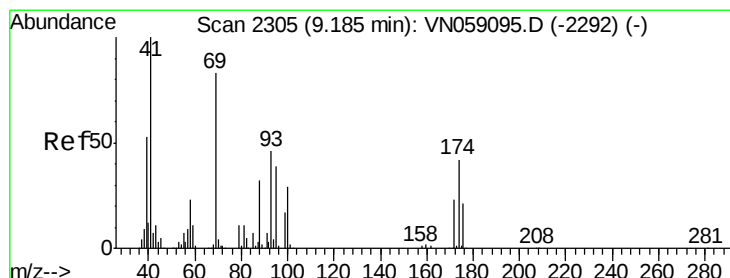
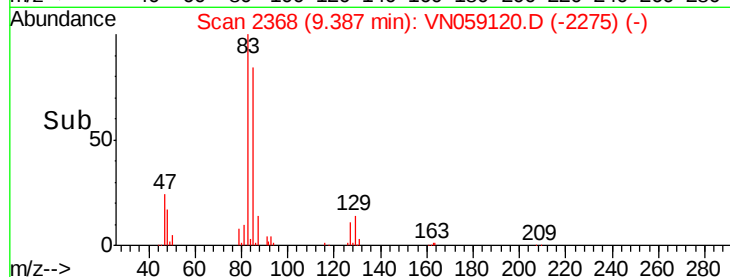
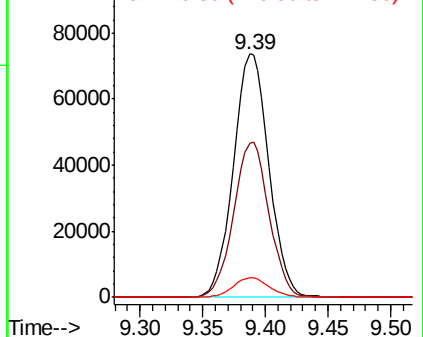
83 100

85 63.3 49.7 74.5

127 8.2 6.4 9.6



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



#48

Methyl methacrylate

Concen: 19.970 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

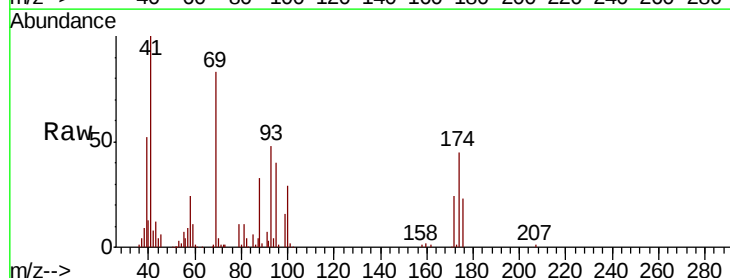
Tgt Ion: 41 Resp: 109299

Ion Ratio Lower Upper

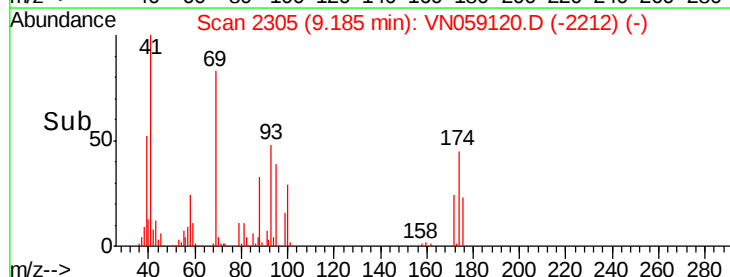
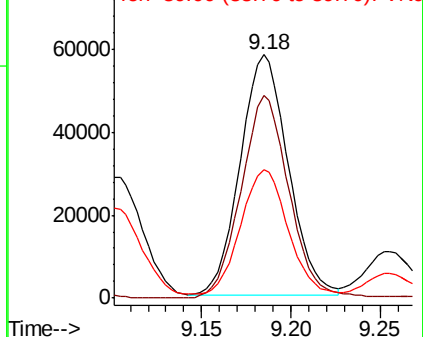
41 100

69 84.2 67.3 100.9

39 53.4 43.3 64.9



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

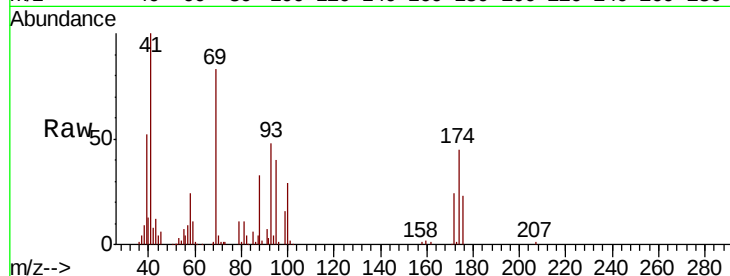




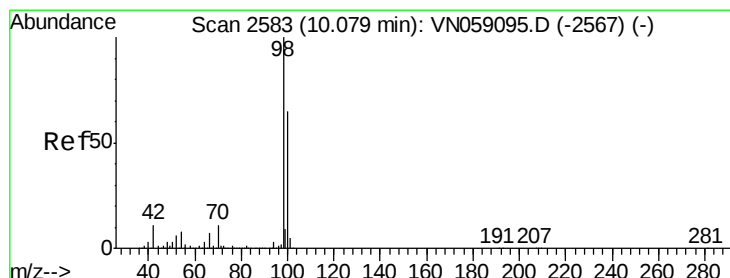
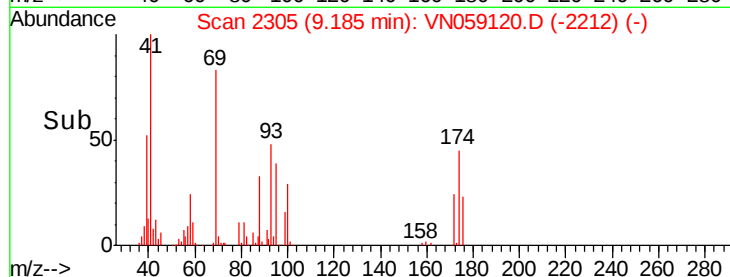
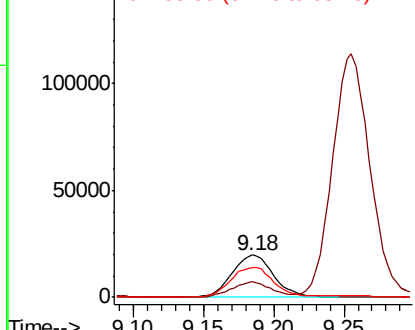
#49
1,4-Dioxane
Concen: 425.703 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS02

Tot Ion: 88 Resp: 41406
Ion Ratio Lower Upper
88 100
43 33.0 26.3 39.5
58 72.9 60.6 90.8

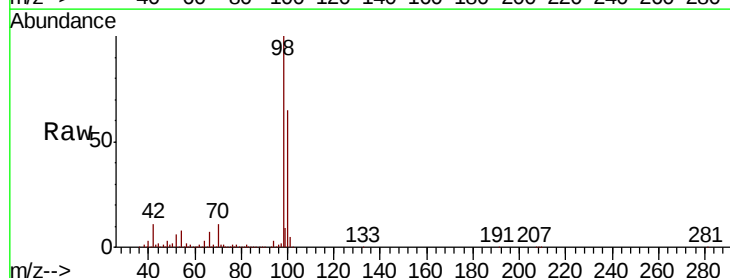


Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC

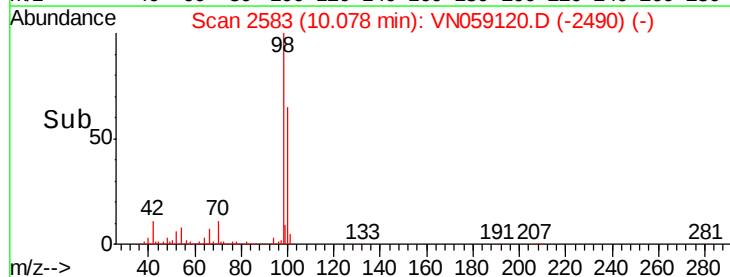
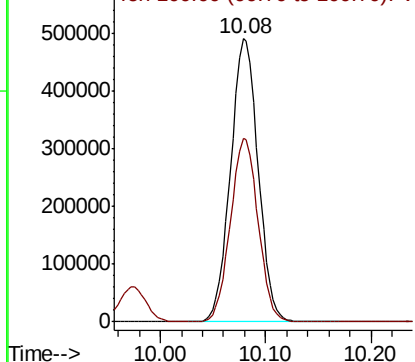


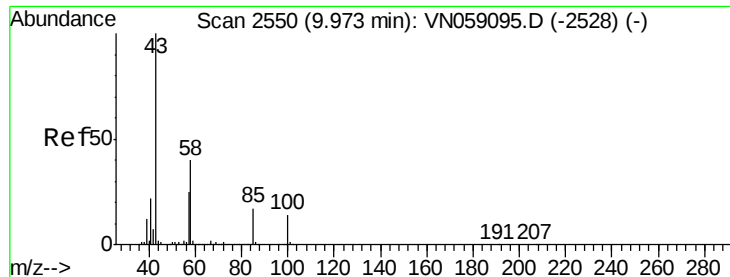
#50
Toluene-d8
Concen: 51.154 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

Tgt Ion: 98 Resp: 888013
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 114.487 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

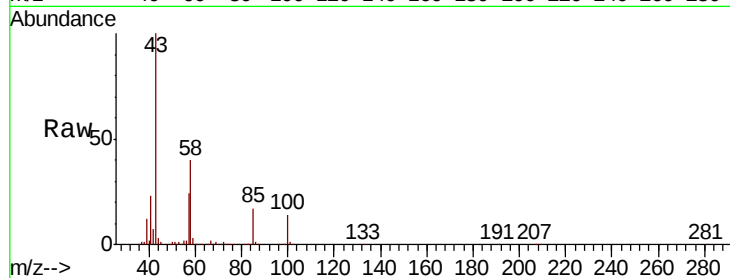
VN1107WBS02

Tot Ion: 43 Resp: 792638

Ion Ratio Lower Upper

43 100

58 39.3 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-2528) (-)

9.97

400000

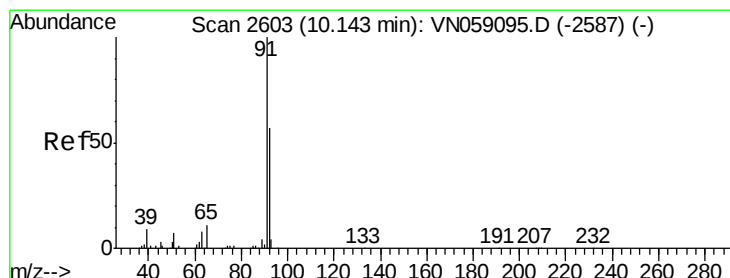
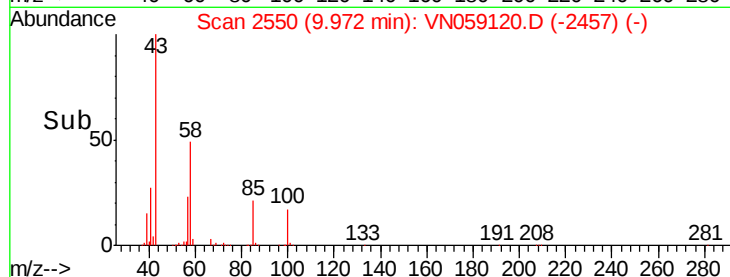
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.438 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059120.D

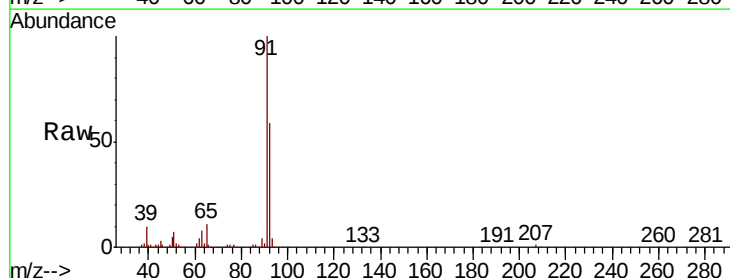
Acq: 7 Nov 2019 14:26

Tgt Ion: 92 Resp: 254495

Ion Ratio Lower Upper

92 100

91 172.5 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-2587) (-)

10.15

250000

200000

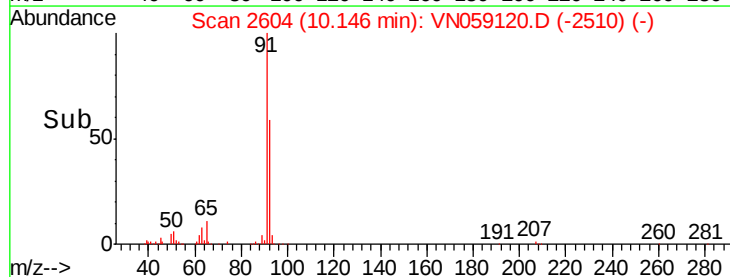
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.721 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

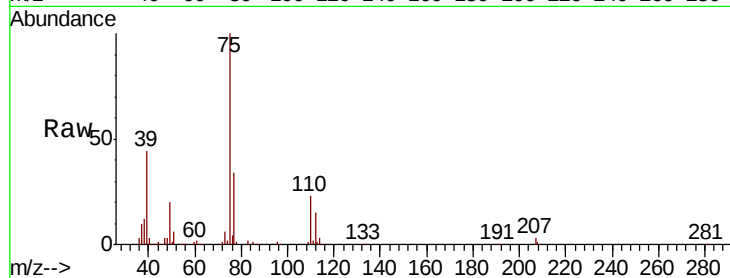
VN1107WBS02

Tot Ion: 75 Resp: 159985

Ion Ratio Lower Upper

75 100

77 32.8 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

80000

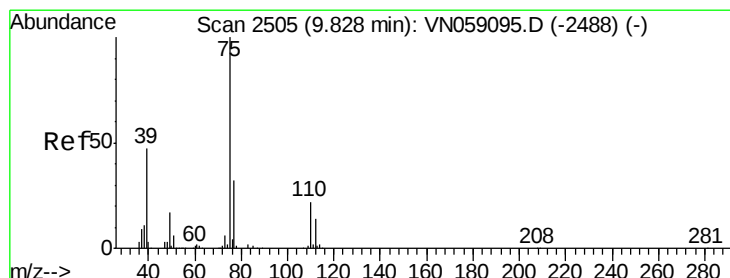
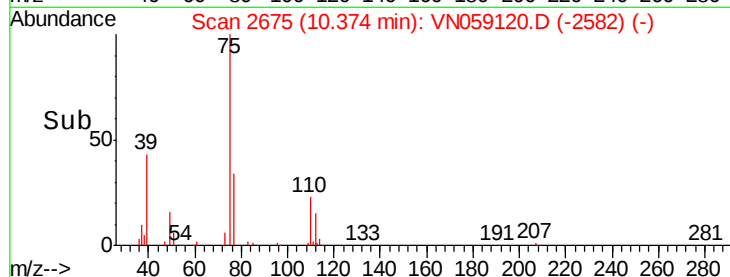
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.210 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

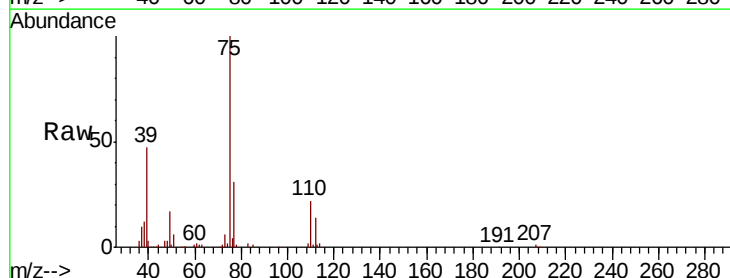
Tgt Ion: 75 Resp: 176360

Ion Ratio Lower Upper

75 100

77 31.3 25.5 38.3

39 46.4 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

120000

100000

80000

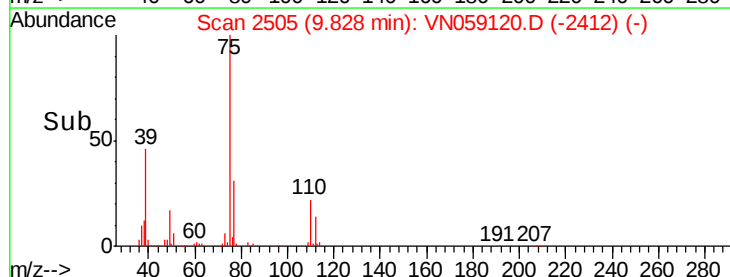
60000

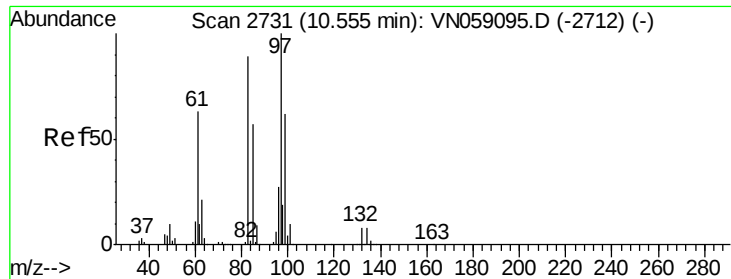
40000

20000

0

Time-->

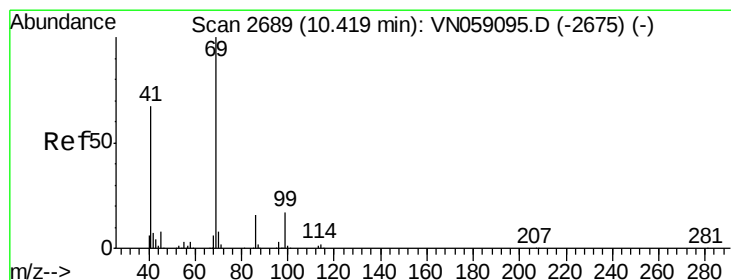
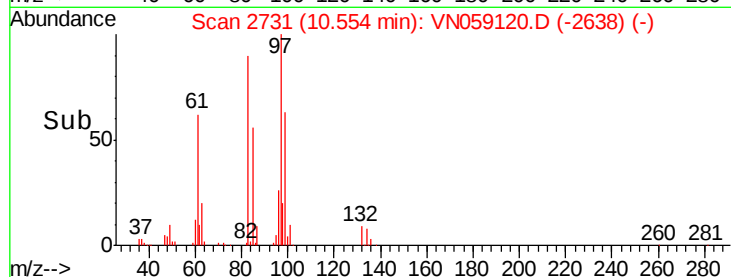
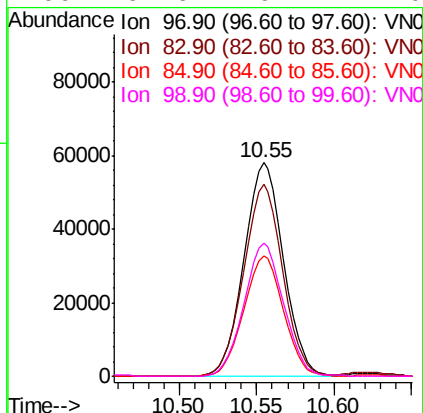
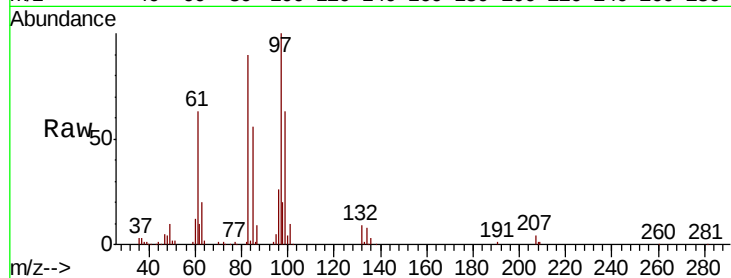




#55
 1,1,2-Trichloroethane
 Concen: 20.511 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059120.D
 Acq: 7 Nov 2019 14:26

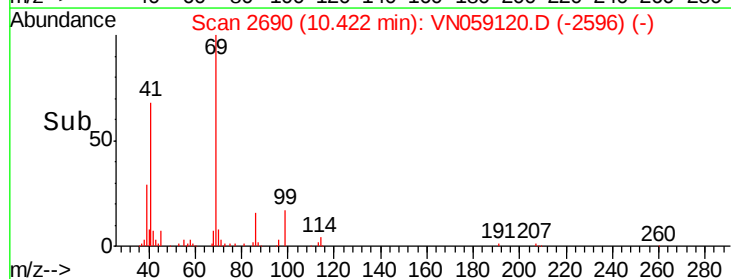
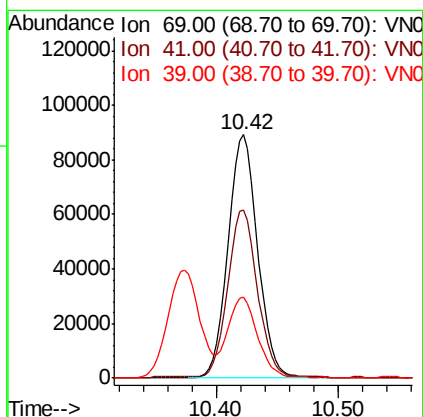
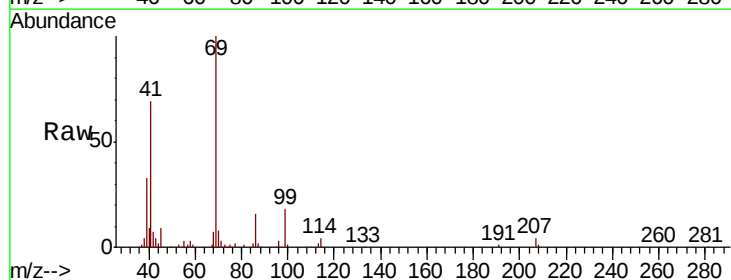
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS02

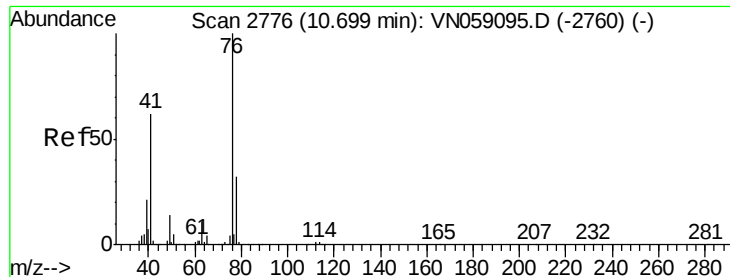
Tot Ion: 97 Resp: 103364
 Ion Ratio Lower Upper
 97 100
 83 89.9 71.0 106.4
 85 56.5 45.8 68.8
 99 62.6 49.4 74.0



#56
 Ethyl methacrylate
 Concen: 19.274 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059120.D
 Acq: 7 Nov 2019 14:26

Tgt Ion: 69 Resp: 151951
 Ion Ratio Lower Upper
 69 100
 41 68.8 53.6 80.4
 39 32.3 26.2 39.4





#57

1,3-Dichloropropane

Concen: 20.811 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

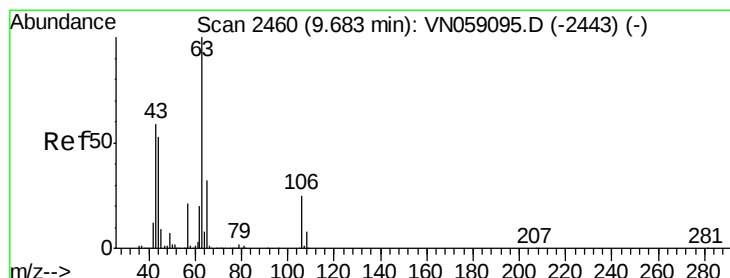
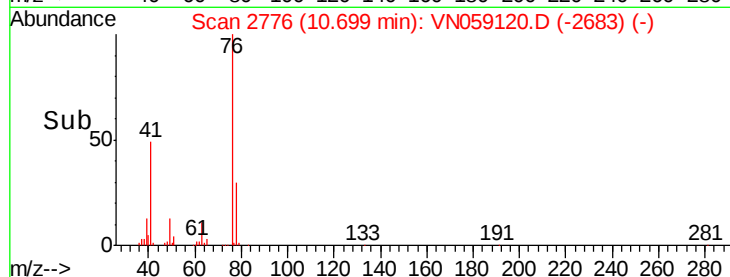
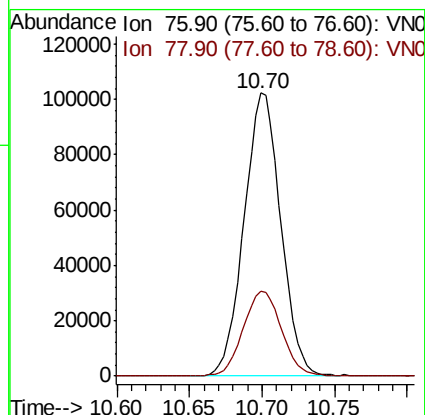
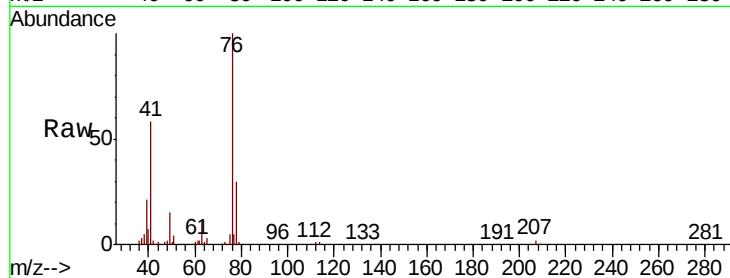
VN1107WBS02

Tot Ion: 76 Resp: 180510

Ion Ratio Lower Upper

76 100

78 31.4 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 110.278 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059120.D

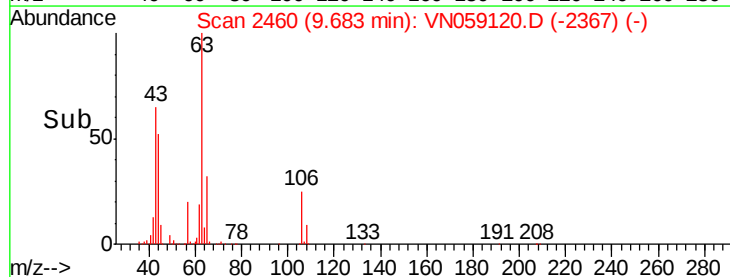
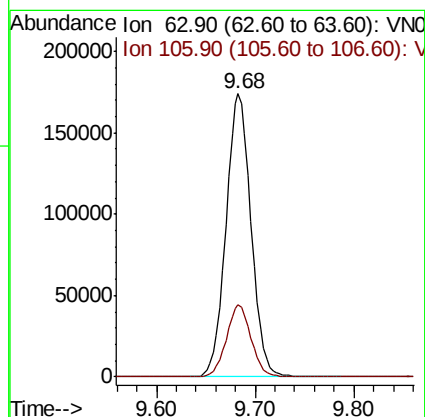
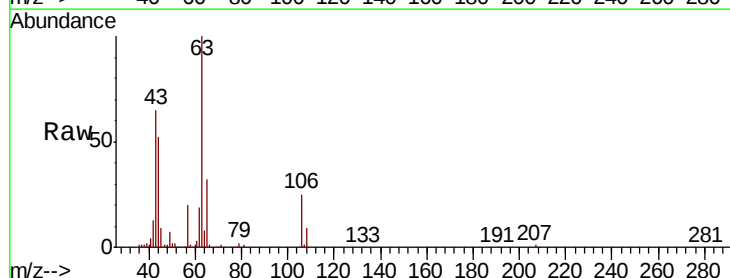
Acq: 7 Nov 2019 14:26

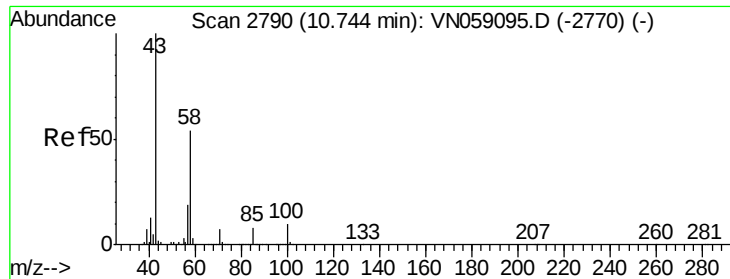
Tgt Ion: 63 Resp: 309291

Ion Ratio Lower Upper

63 100

106 24.9 20.2 30.2

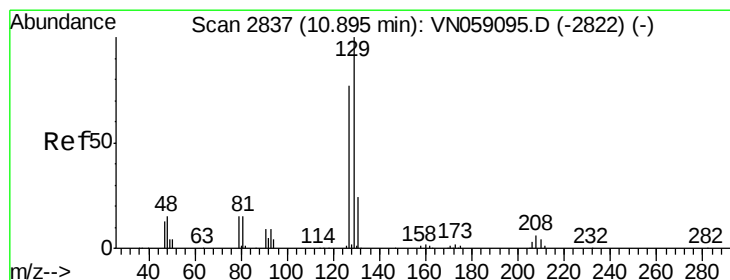
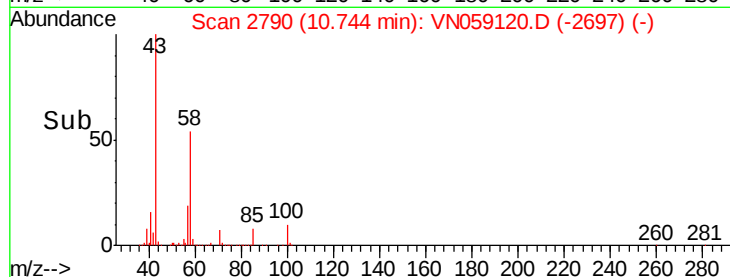
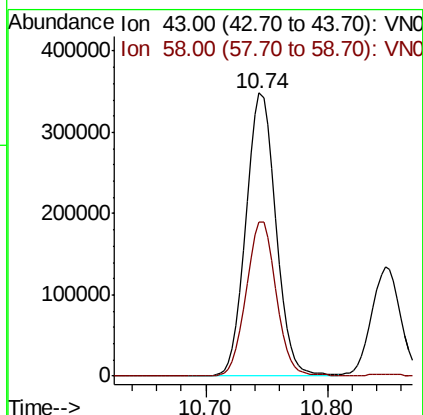
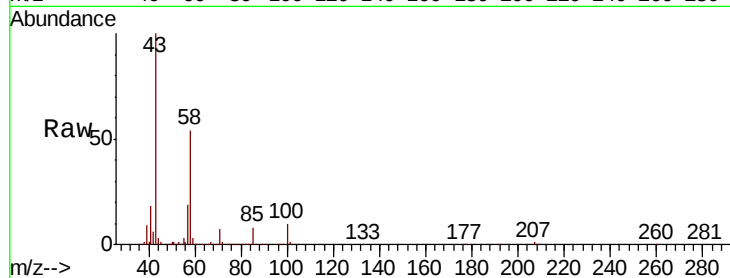




#59
2-Hexanone
Concen: 110.825 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

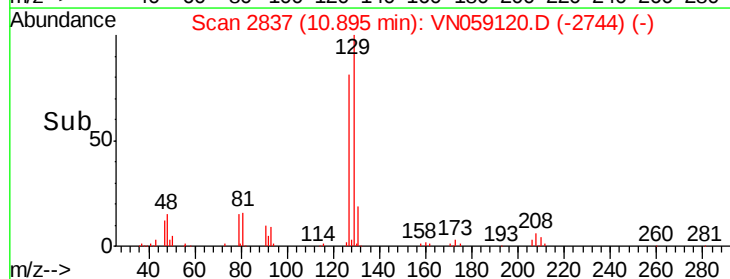
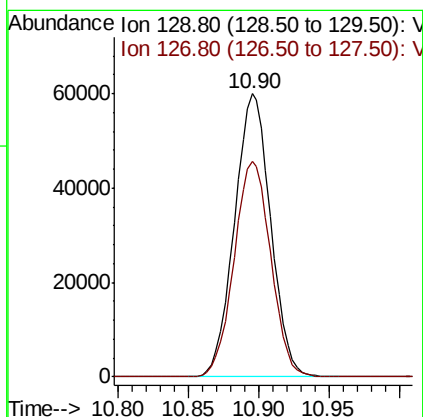
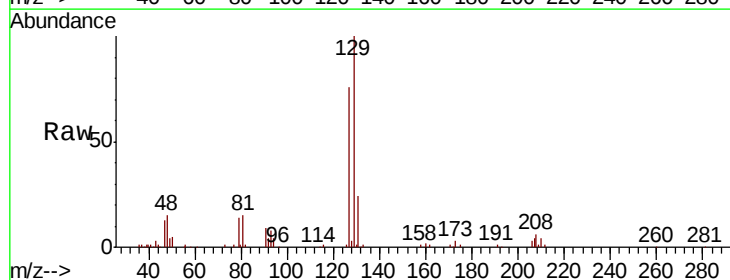
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS02

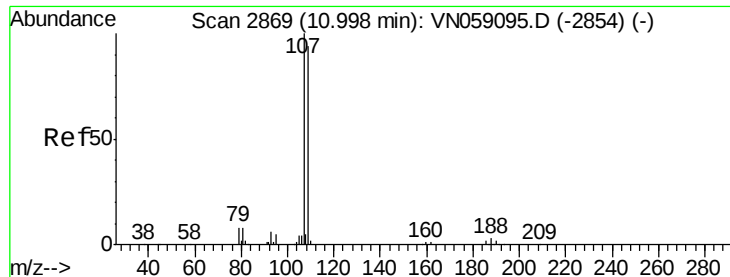
Tot Ion: 43 Resp: 588928
Ion Ratio Lower Upper
43 100
58 54.5 27.3 81.8



#60
Dibromochloromethane
Concen: 20.219 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

Tgt Ion: 129 Resp: 107732
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8

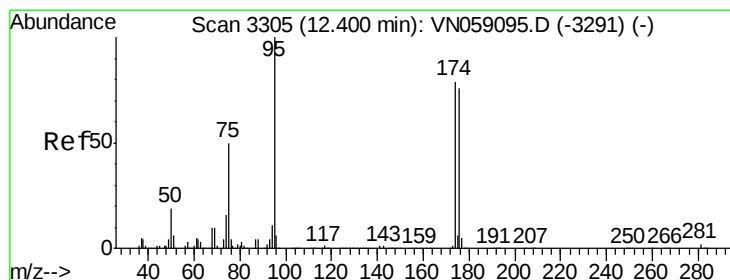
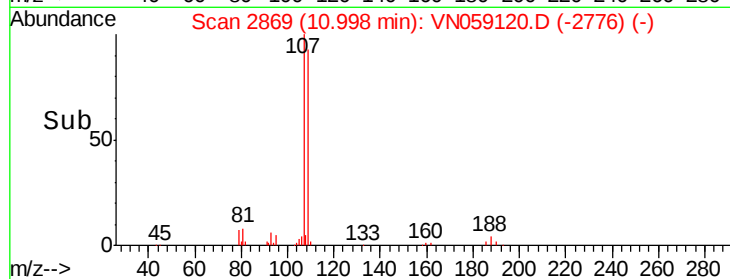
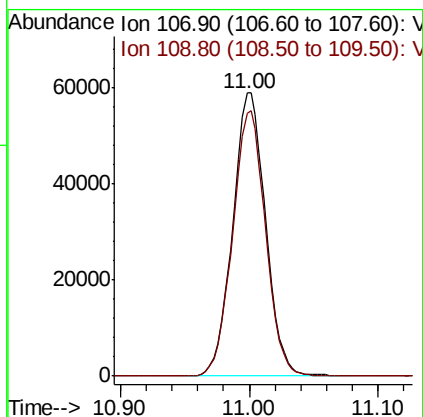
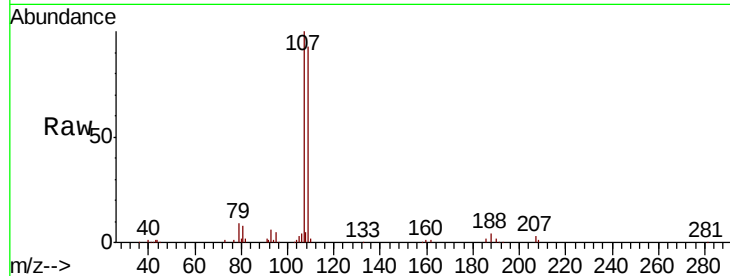




#61
 1,2-Dibromoethane
 Concen: 20.405 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059120.D
 Acq: 7 Nov 2019 14:26

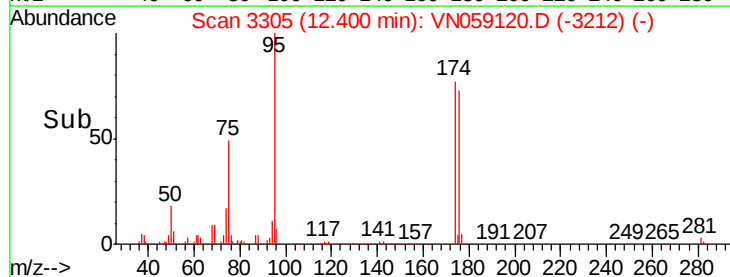
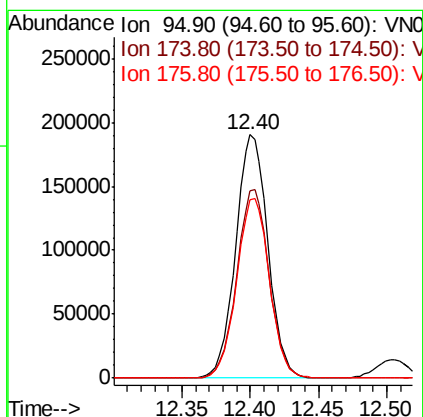
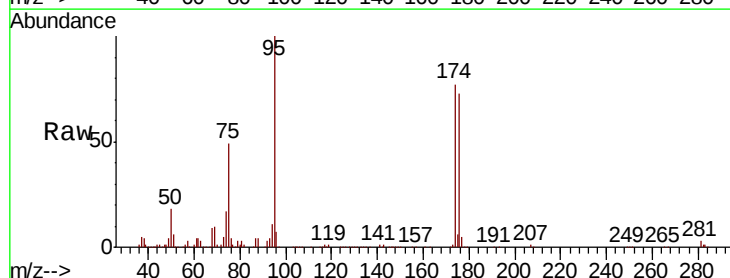
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS02

Tot Ion:107 Resp: 104096
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 49.750 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059120.D
 Acq: 7 Nov 2019 14:26

Tgt Ion: 95 Resp: 311395
 Ion Ratio Lower Upper
 95 100
 174 77.9 0.0 158.2
 176 75.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS02

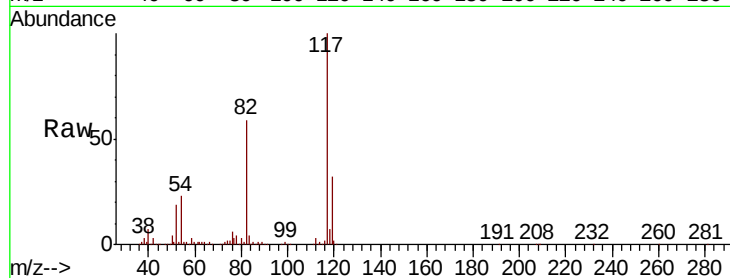
Tot Ion:117 Resp: 659144

Ion Ratio Lower Upper

117 100

82 59.0 45.8 68.8

119 32.2 25.8 38.6

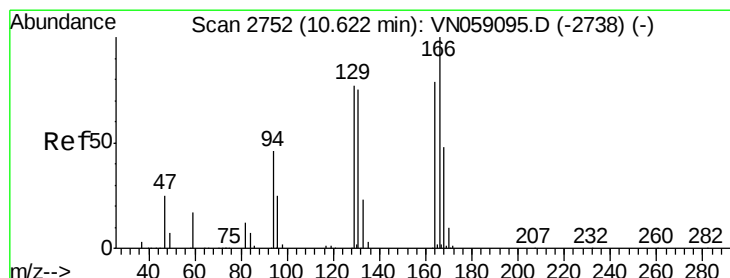
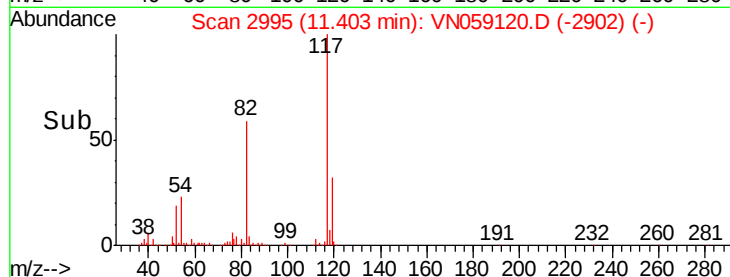
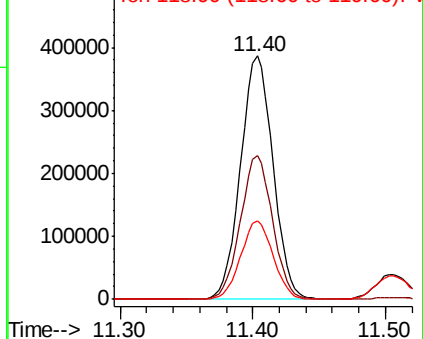


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.152 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Tgt Ion:164 Resp: 90321

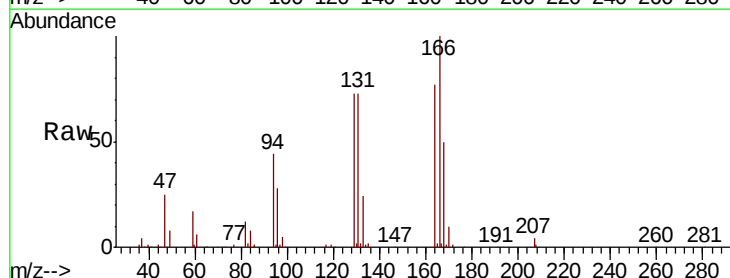
Ion Ratio Lower Upper

164 100

166 129.8 101.5 152.3

129 94.9 78.3 117.5

131 95.2 75.9 113.9



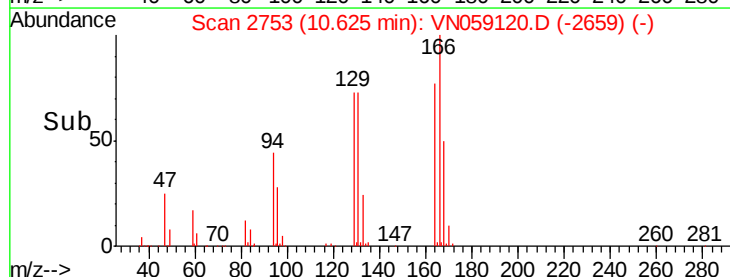
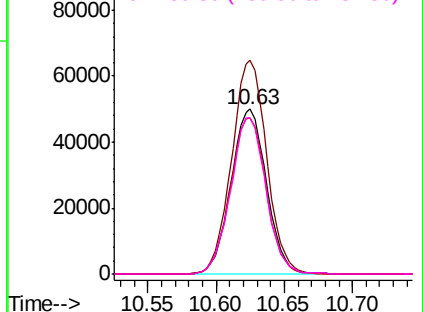
Abundance

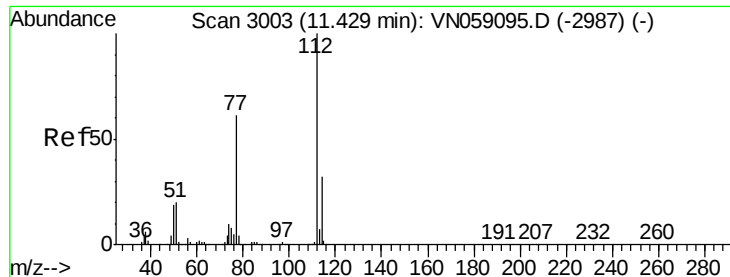
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

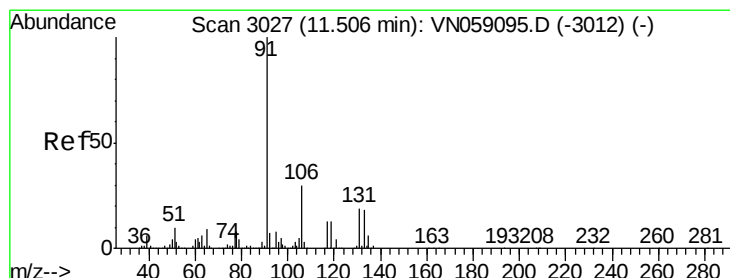
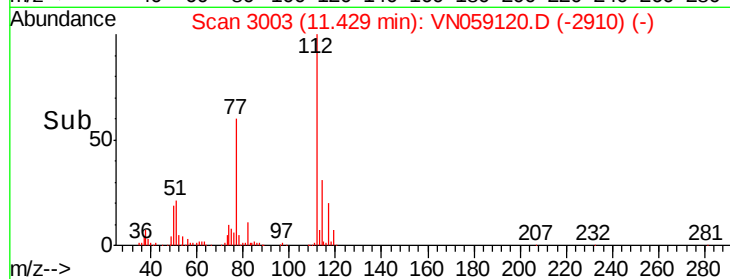
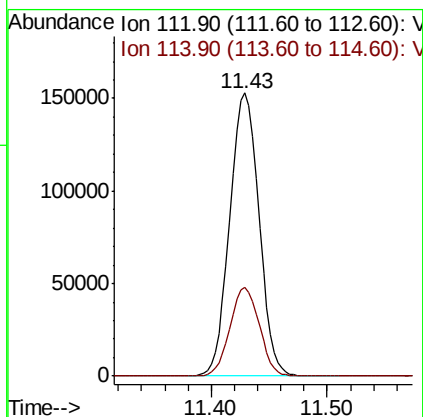
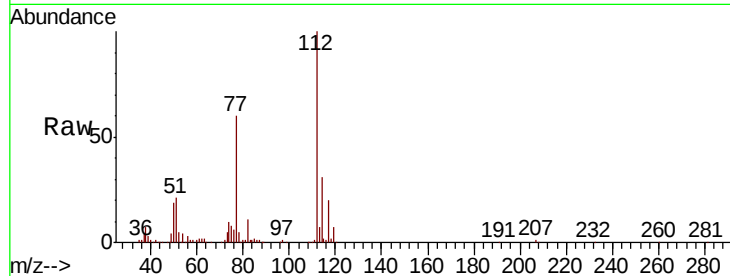




#65
Chlorobenzene
Concen: 20.740 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

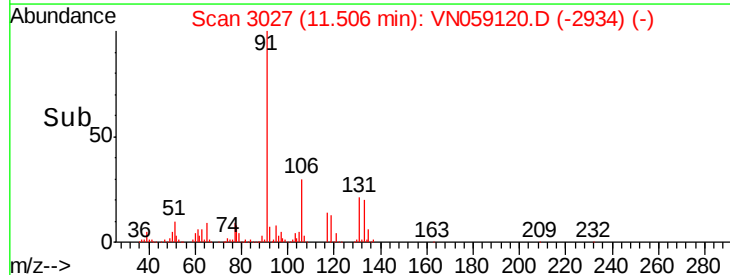
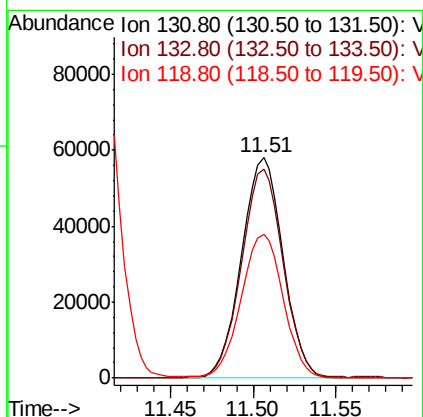
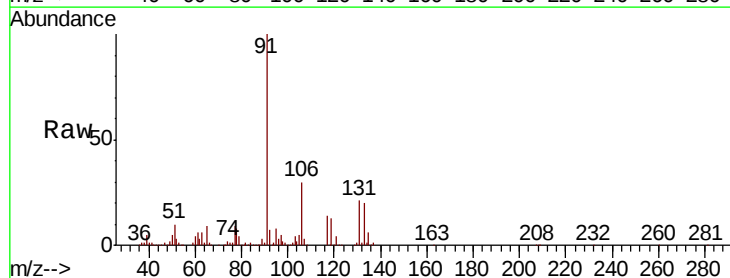
Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS02

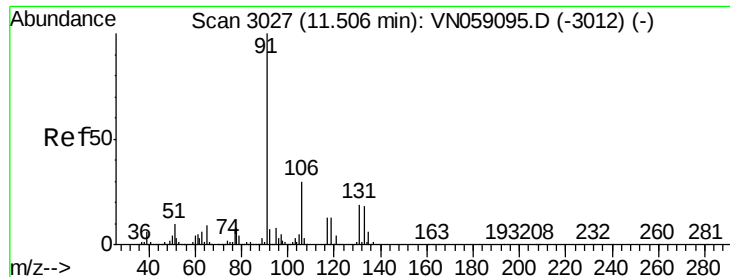
Tot Ion:112 Resp: 266493
Ion Ratio Lower Upper
112 100
114 31.2 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.975 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

Tgt Ion:131 Resp: 101102
Ion Ratio Lower Upper
131 100
133 95.7 47.4 142.3
119 66.5 33.2 99.6





#67

Ethyl Benzene

Concen: 20.925 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

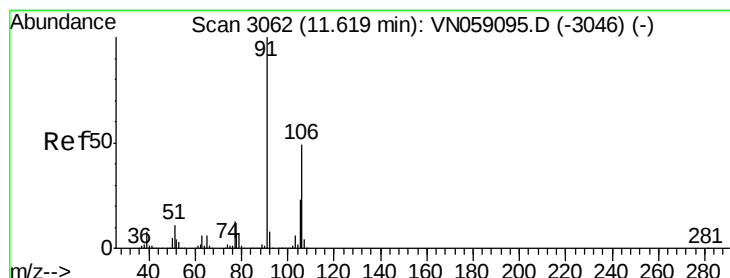
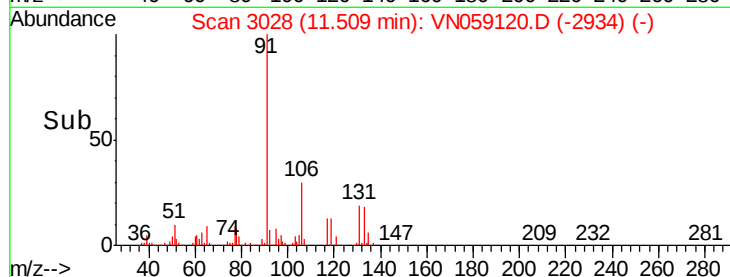
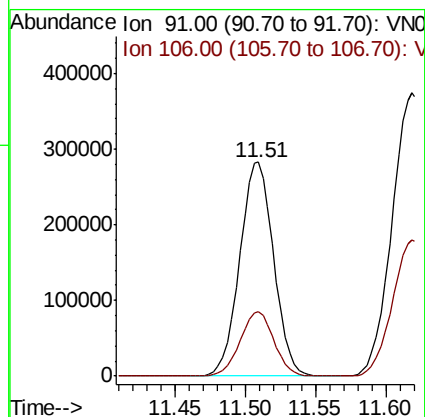
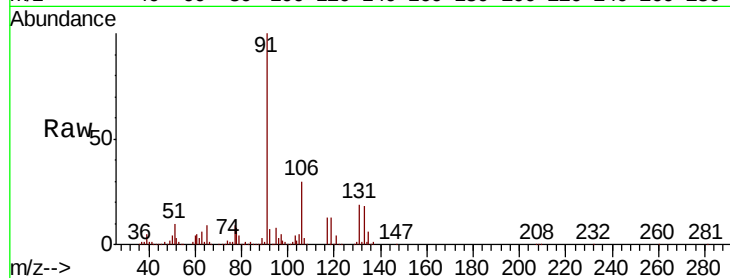
VN1107WBS02

Tot Ion: 91 Resp: 477028

Ion Ratio Lower Upper

91 100

106 30.1 24.1 36.1



#68

m/p-Xylenes

Concen: 41.030 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059120.D

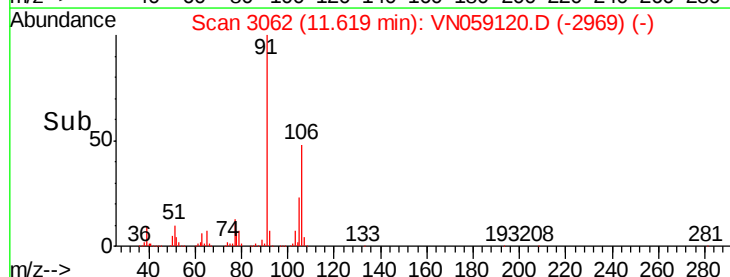
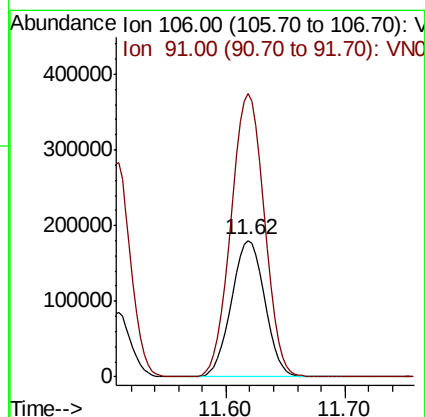
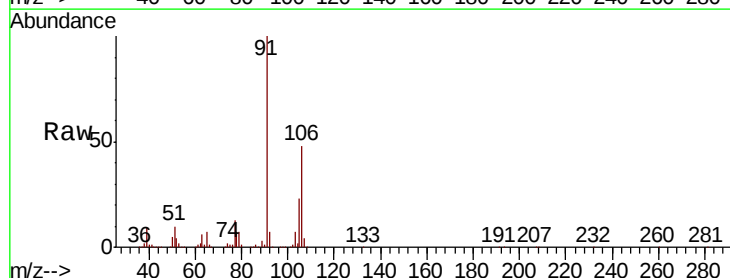
Acq: 7 Nov 2019 14:26

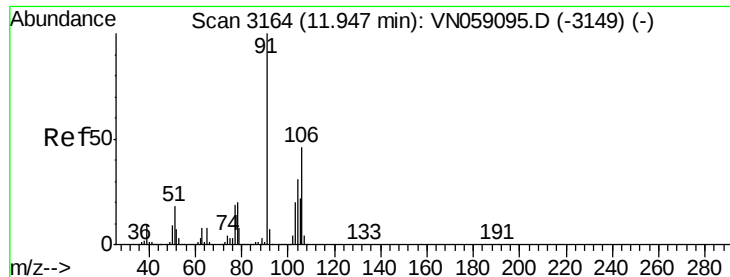
Tgt Ion: 106 Resp: 350383

Ion Ratio Lower Upper

106 100

91 208.4 164.7 247.1





#69

o-Xylene

Concen: 20.238 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

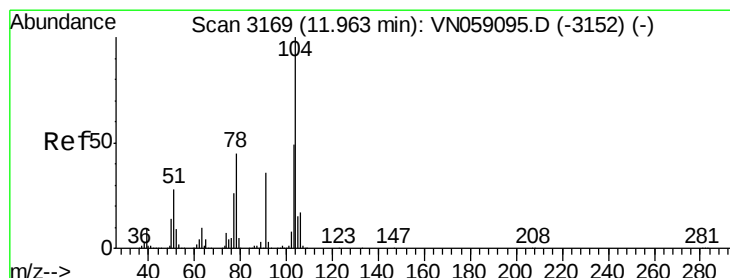
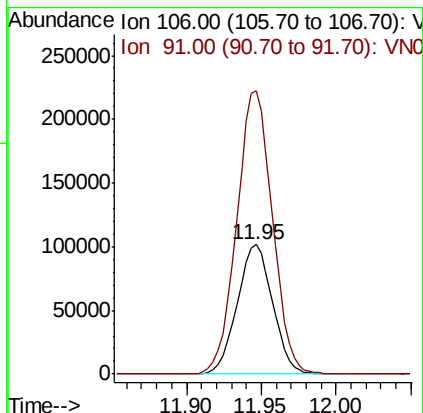
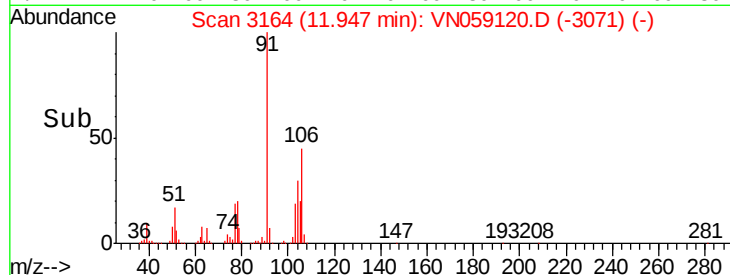
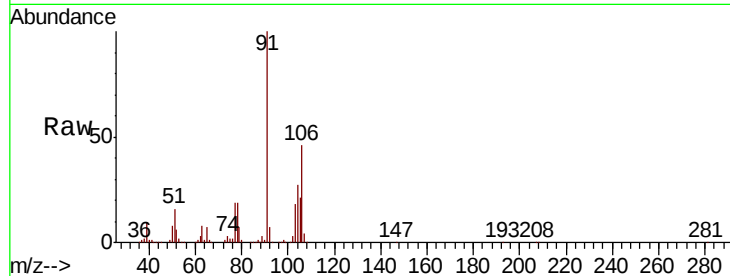
VN1107WBS02

Tot Ion:106 Resp: 167018

Ion Ratio Lower Upper

106 100

91 221.2 110.1 330.3



#70

Styrene

Concen: 20.609 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

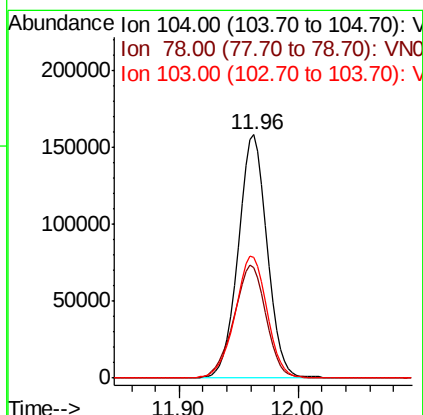
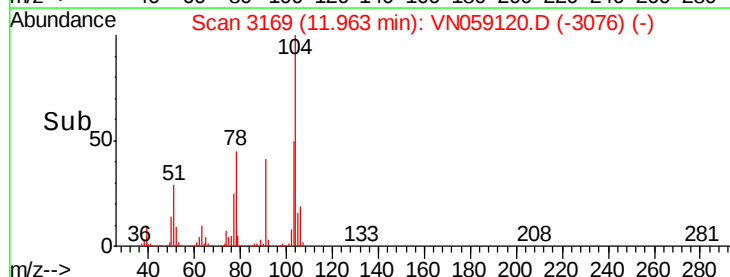
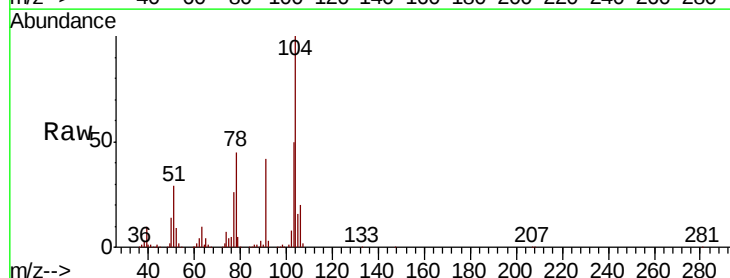
Tgt Ion:104 Resp: 267496

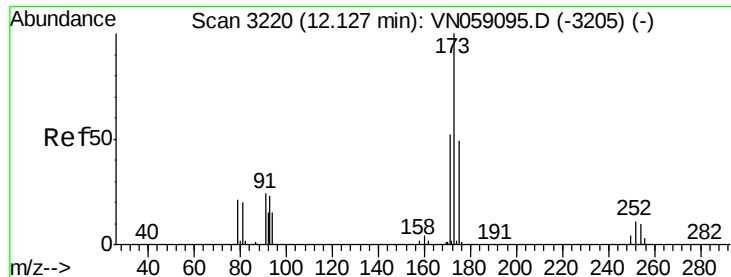
Ion Ratio Lower Upper

104 100

78 51.7 41.2 61.8

103 55.6 43.8 65.6





#71

Bromoform

Concen: 20.677 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS02

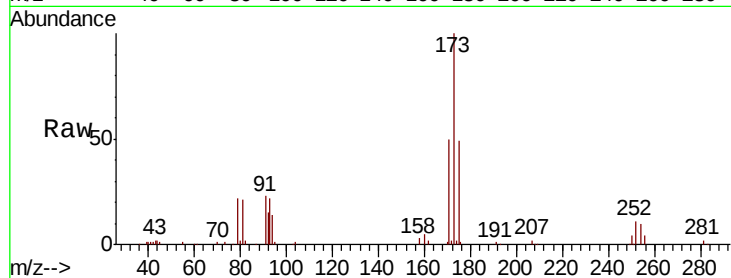
Tot Ion:173 Resp: 77522

Ion Ratio Lower Upper

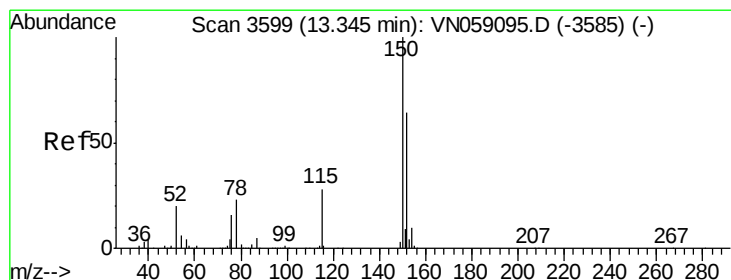
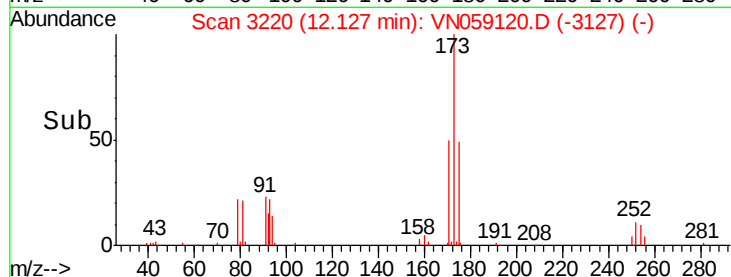
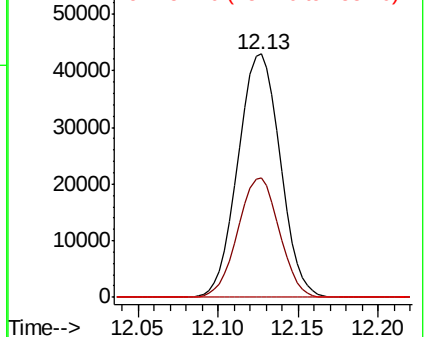
173 100

175 47.9 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

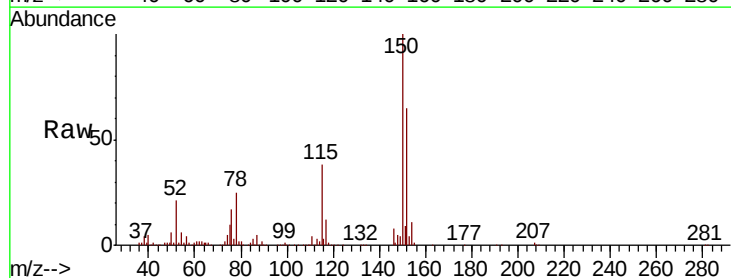
Tgt Ion:152 Resp: 296317

Ion Ratio Lower Upper

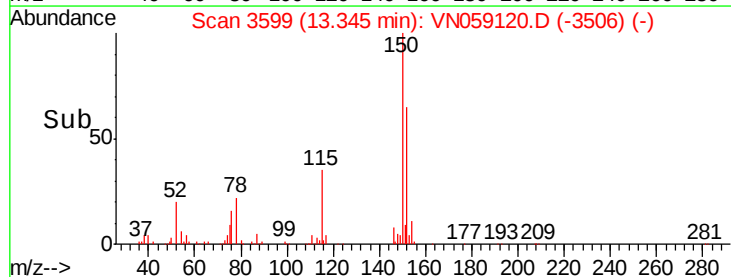
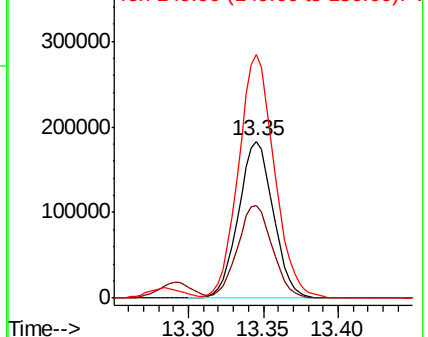
152 100

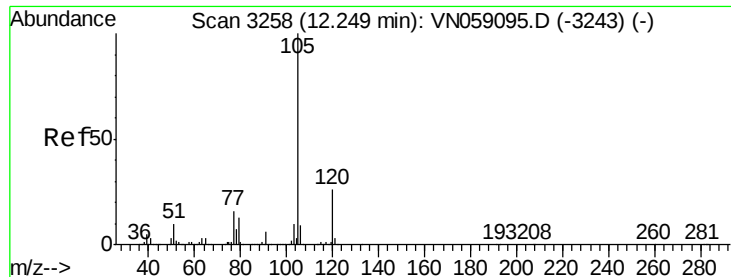
115 59.2 29.4 88.2

150 160.4 0.0 345.8



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





#73

Isopropylbenzene

Concen: 20.943 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

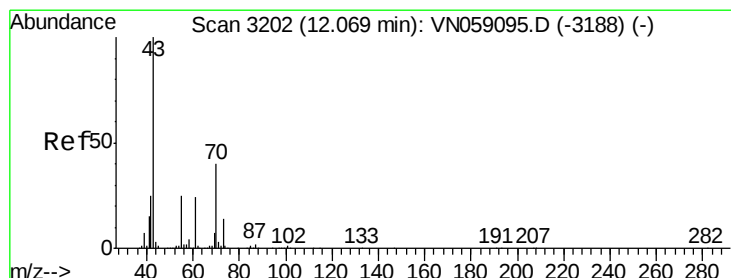
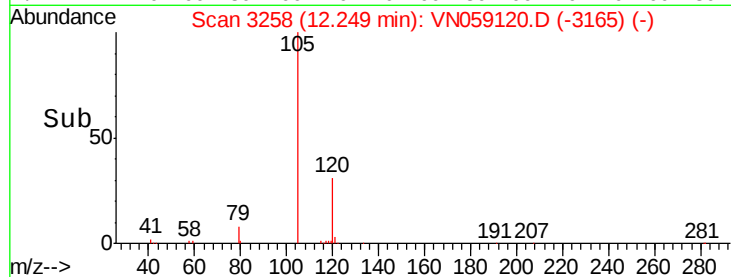
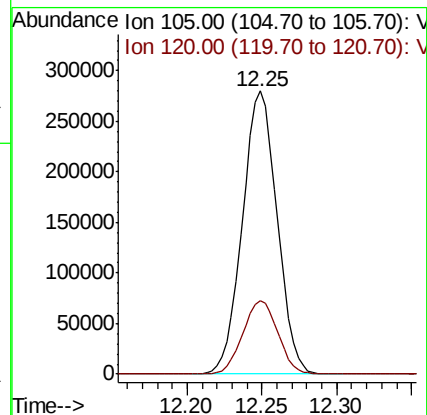
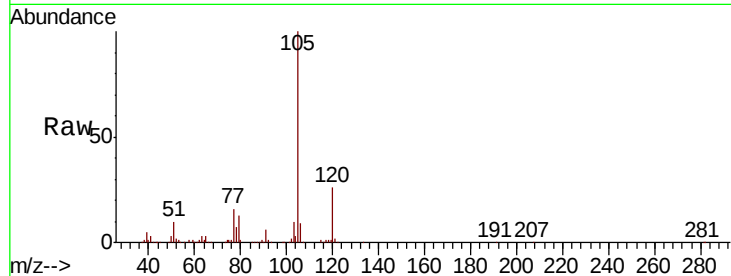
VN1107WBS02

Tot Ion:105 Resp: 451400

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3



#74

N-ethyl acetate

Concen: 20.791 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Tgt Ion: 43 Resp: 189889

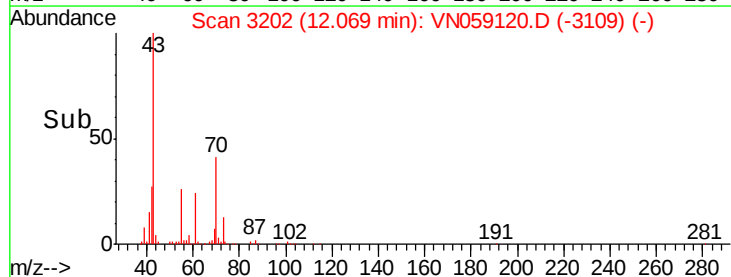
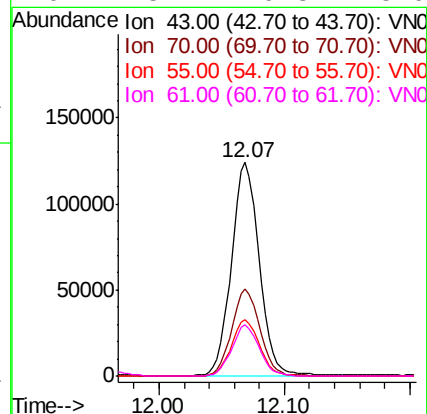
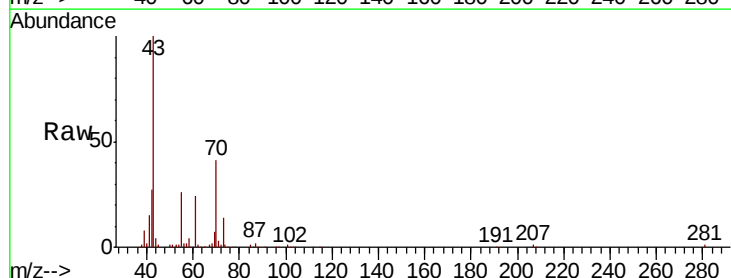
Ion Ratio Lower Upper

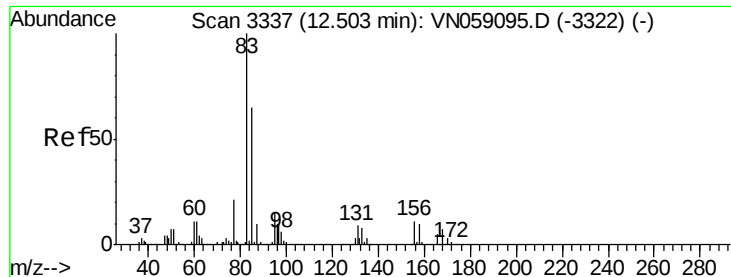
43 100

70 41.4 32.2 48.4

55 27.0 20.4 30.6

61 23.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.632 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS02

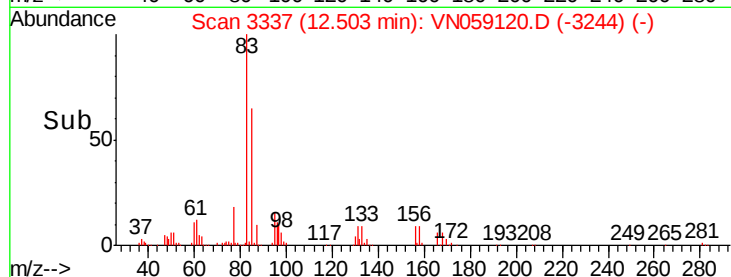
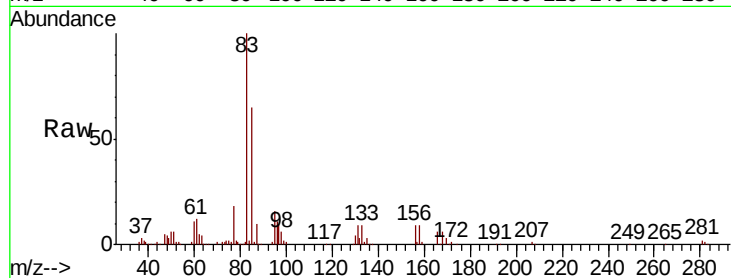
Tot Ion: 83 Resp: 158782

Ion Ratio Lower Upper

83 100

131 9.2 4.9 14.6

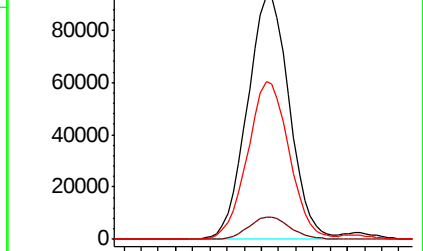
85 64.0 32.4 97.2



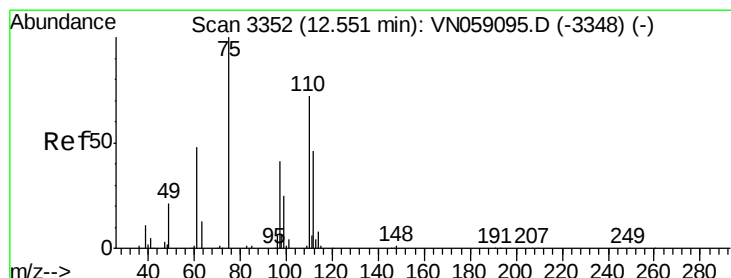
Abundance Ion 82.90 (82.60 to 83.60): VN059120.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059120.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059120.D (-3244) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 30.412 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059120.D

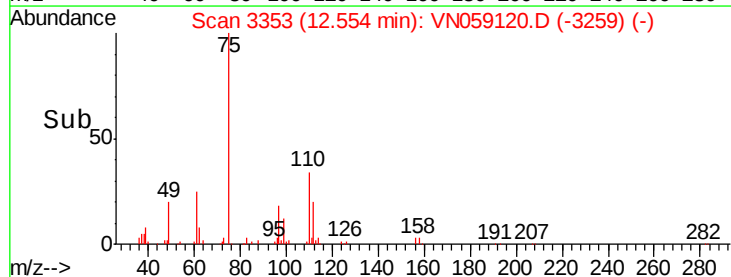
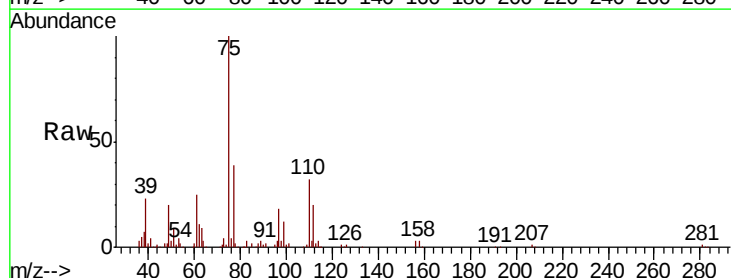
Acq: 7 Nov 2019 14:26

Tgt Ion: 75 Resp: 205166

Ion Ratio Lower Upper

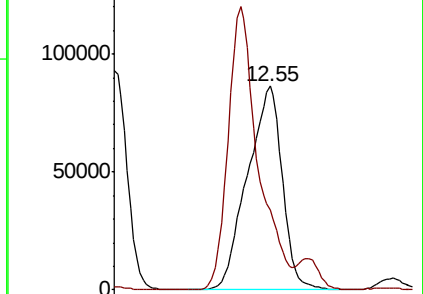
75 100

77 0.0 0.0 0.0

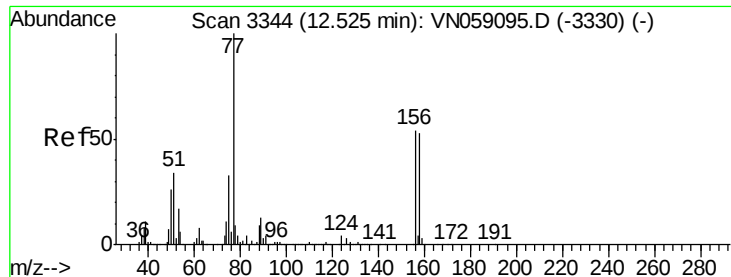


Abundance Ion 74.90 (74.60 to 75.60): VN059120.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059120.D (-3259) (-)



Time-->



#77

Bromobenzene

Concen: 20.384 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS02

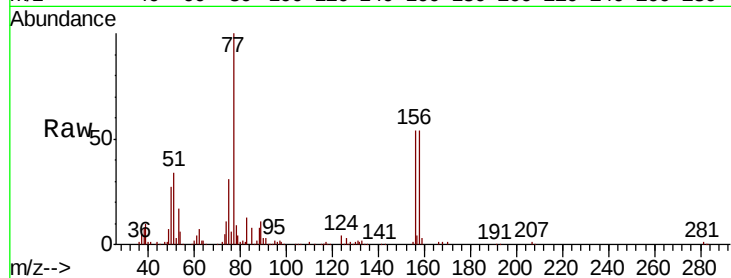
Tot Ion:156 Resp: 110388

Ion Ratio Lower Upper

156 100

77 227.2 112.8 338.3

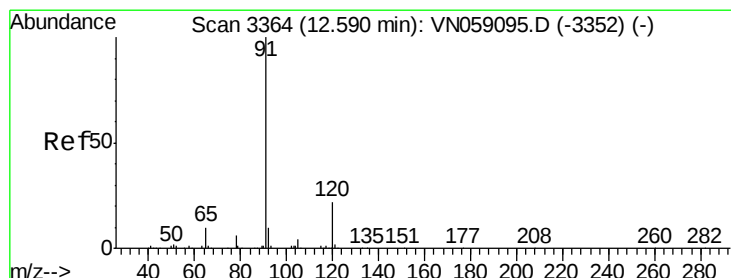
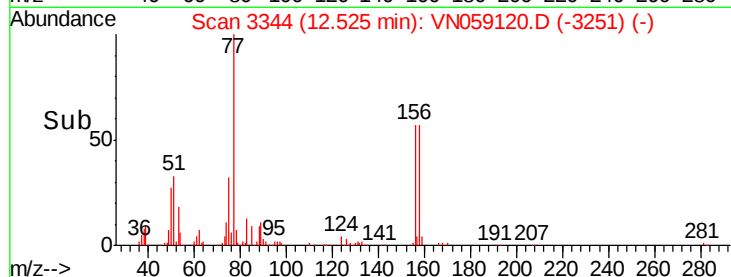
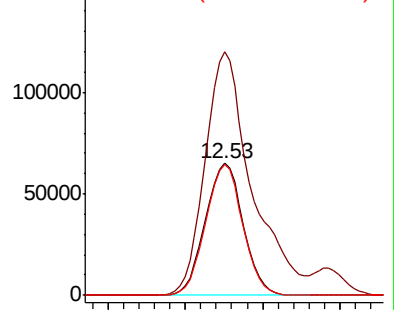
158 97.5 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.108 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059120.D

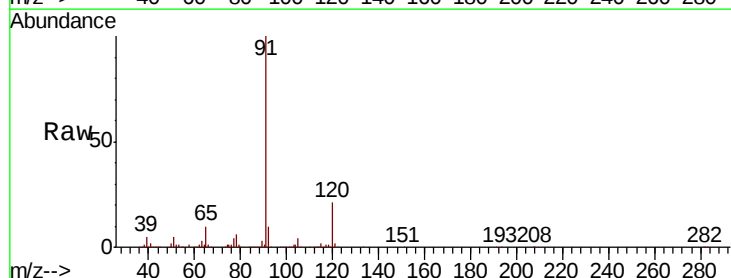
Acq: 7 Nov 2019 14:26

Tgt Ion: 91 Resp: 520938

Ion Ratio Lower Upper

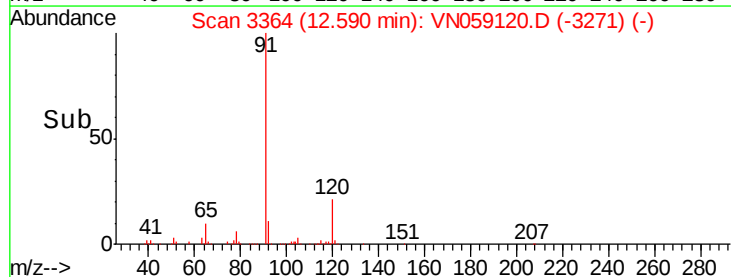
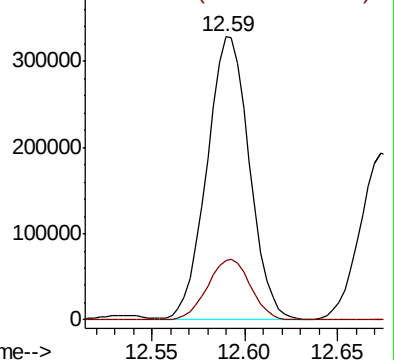
91 100

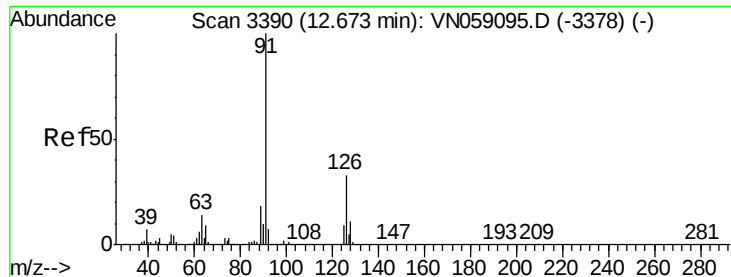
120 21.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.909 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

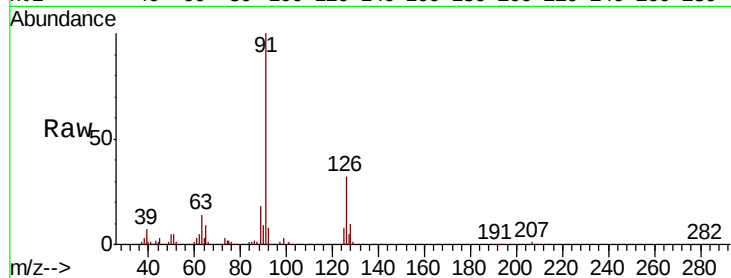
VN1107WBS02

Tot Ion: 91 Resp: 320121

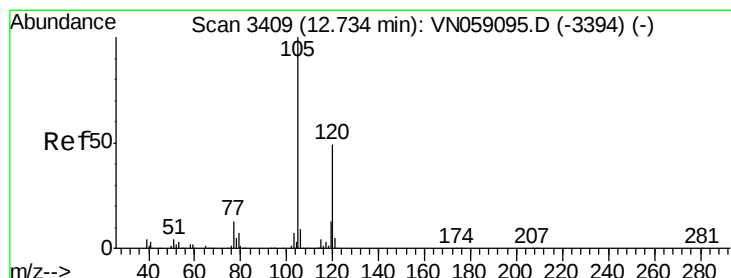
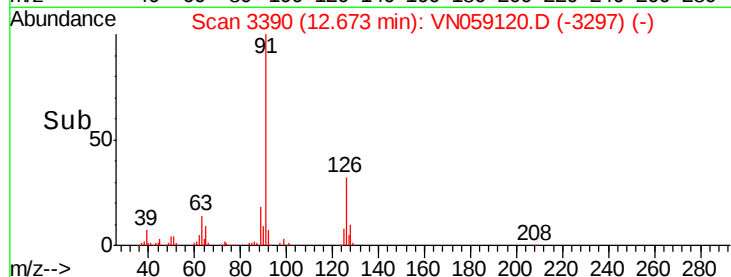
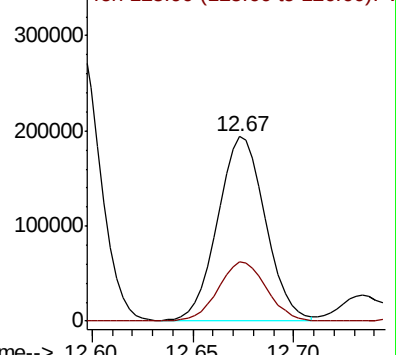
Ion Ratio Lower Upper

91 100

126 32.6 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059120.D (-3397) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.979 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059120.D

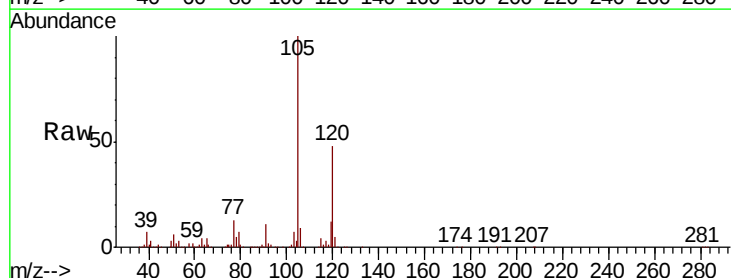
Acq: 7 Nov 2019 14:26

Tgt Ion: 105 Resp: 383162

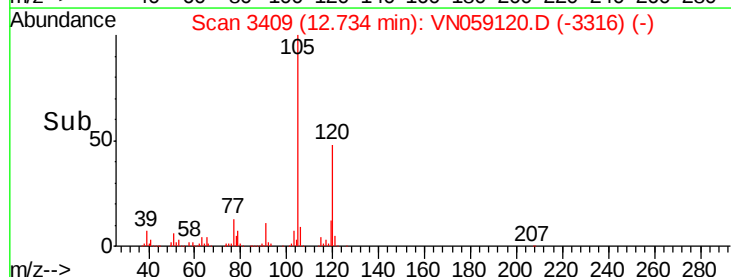
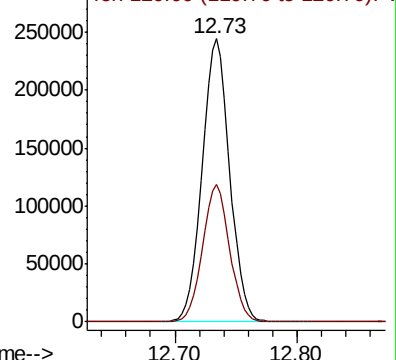
Ion Ratio Lower Upper

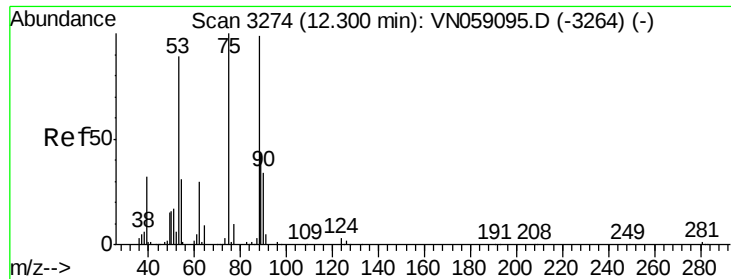
105 100

120 47.8 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059120.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.103 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS02

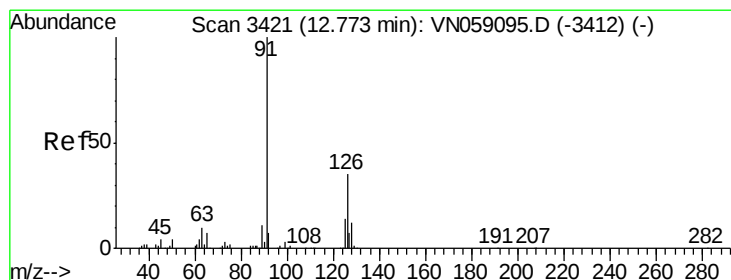
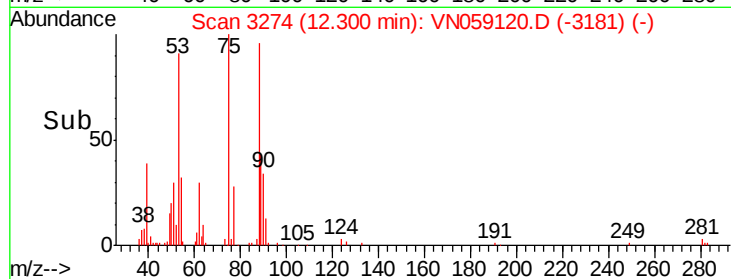
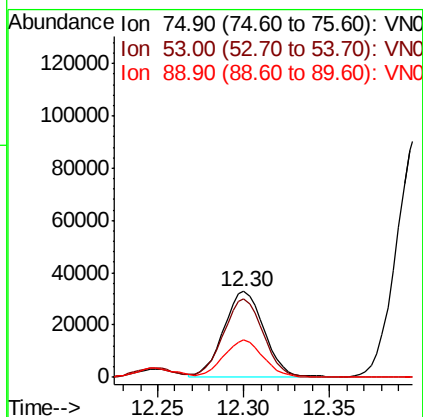
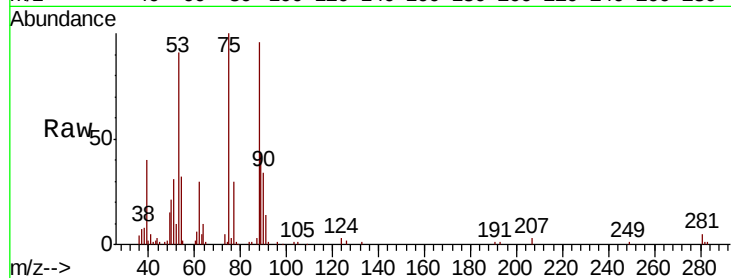
Tot Ion: 75 Resp: 53899

Ion Ratio Lower Upper

75 100

53 91.3 72.2 108.2

89 42.8 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.536 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059120.D

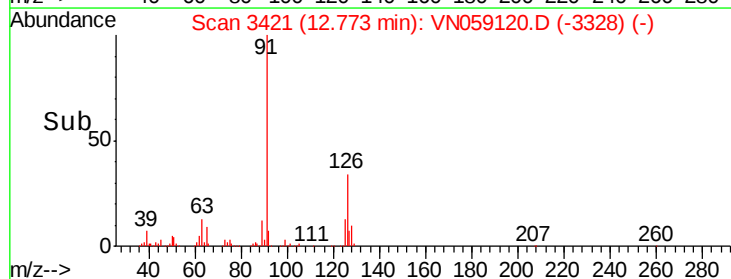
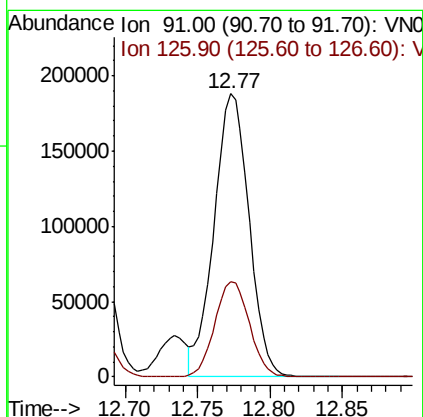
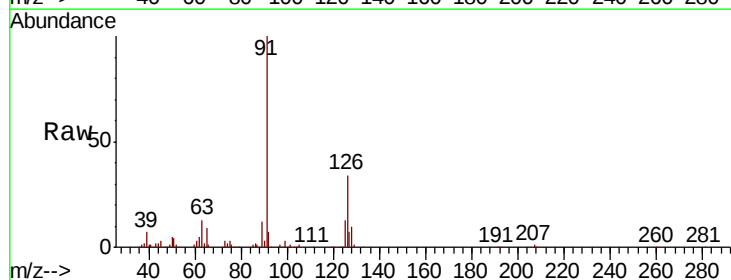
Acq: 7 Nov 2019 14:26

Tgt Ion: 91 Resp: 315346

Ion Ratio Lower Upper

91 100

126 33.4 16.1 48.2

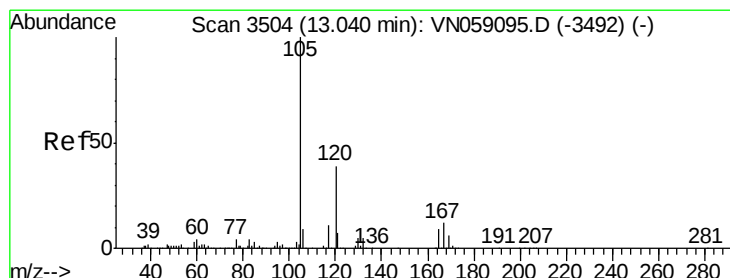
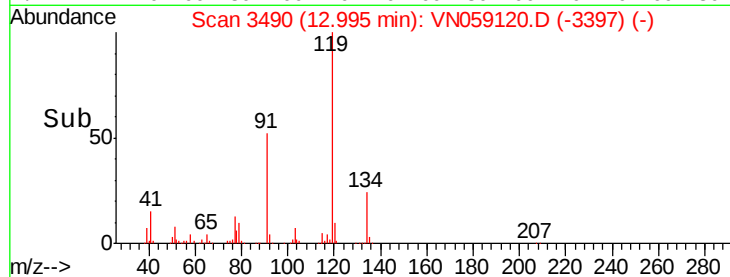
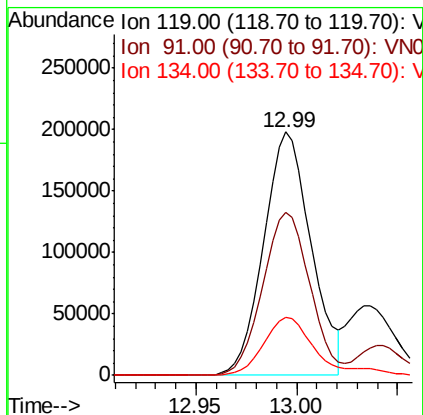
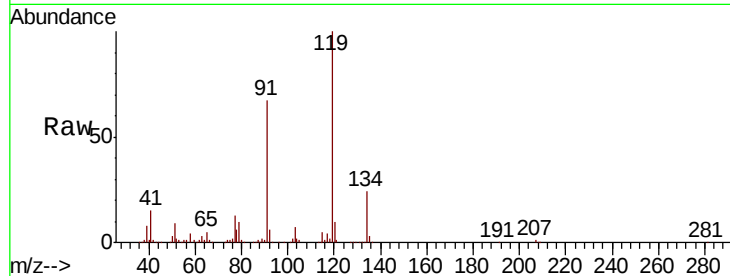




#83
tert-Butylbenzene
Concen: 20.543 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

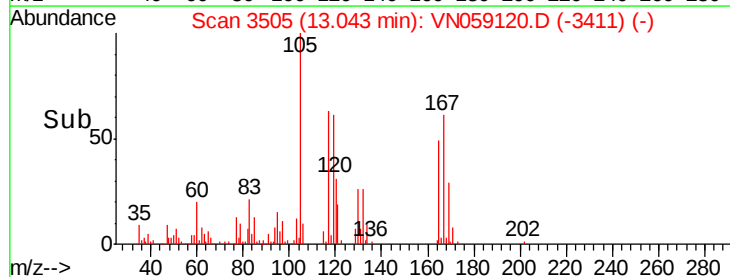
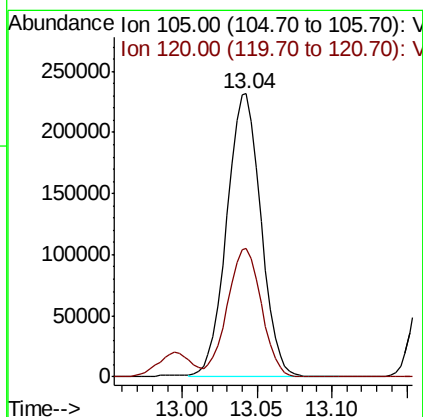
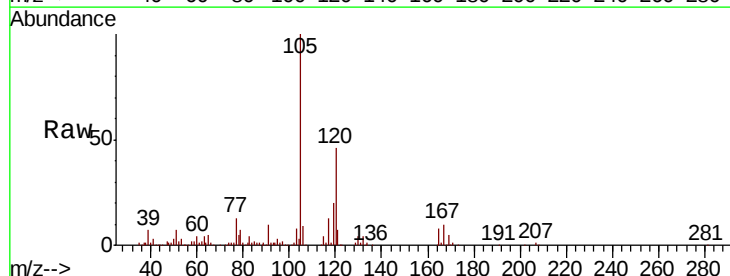
Instrument :
MSVOA_N
ClientSampled :
VN1107WBS02

Tot Ion:119 Resp: 324006
Ion Ratio Lower Upper
119 100
91 66.8 33.2 99.6
134 26.1 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 20.809 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN059120.D
Acq: 7 Nov 2019 14:26

Tgt Ion:105 Resp: 367701
Ion Ratio Lower Upper
105 100
120 45.4 22.8 68.4





#85

sec-Butylbenzene

Concen: 20.733 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

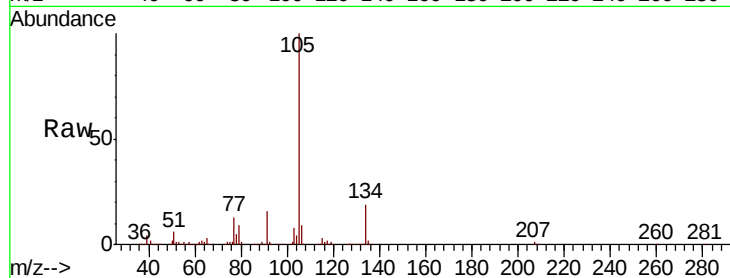
VN1107WBS02

Tot Ion:105 Resp: 425298

Ion Ratio Lower Upper

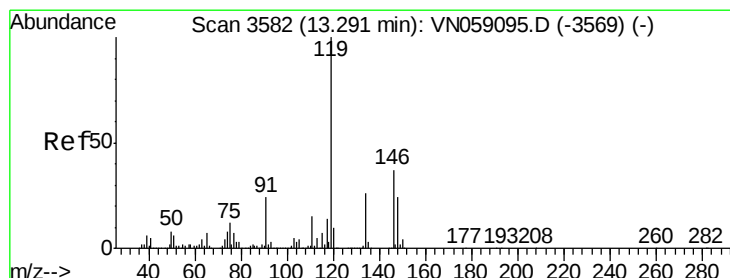
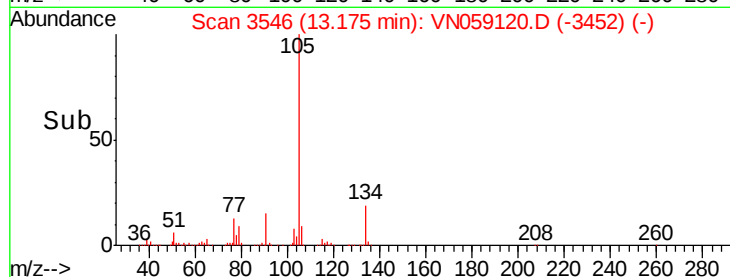
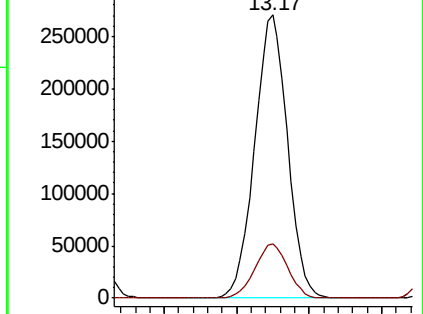
105 100

134 19.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.812 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

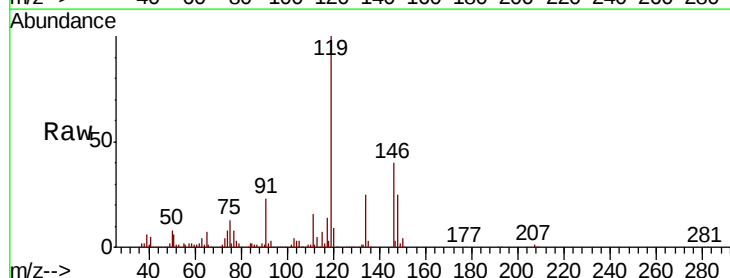
Tgt Ion:119 Resp: 376947

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

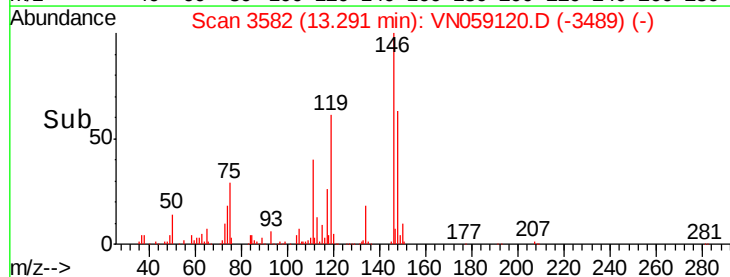
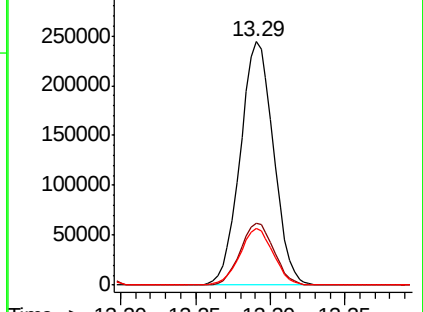
91 23.2 11.7 35.1

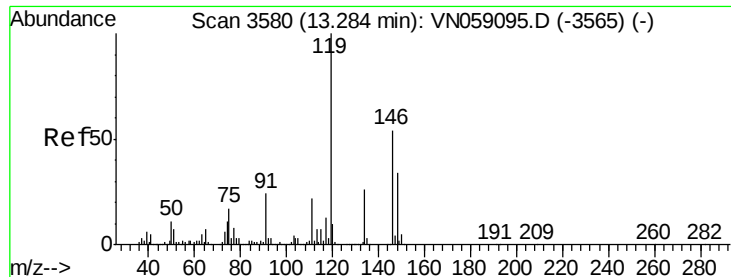


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.383 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS02

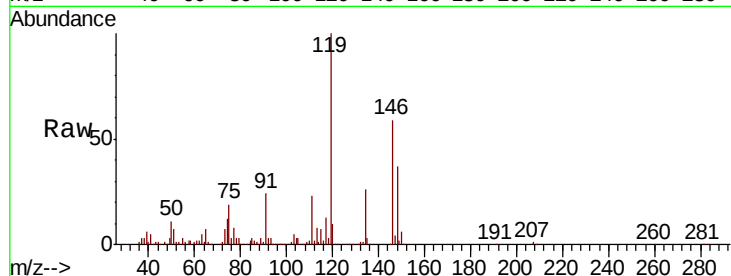
Tot Ion:146 Resp: 189014

Ion Ratio Lower Upper

146 100

111 40.4 20.4 61.3

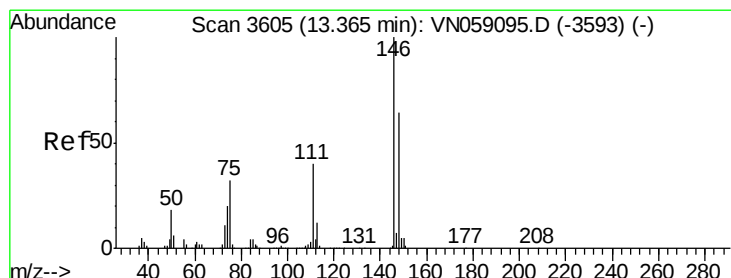
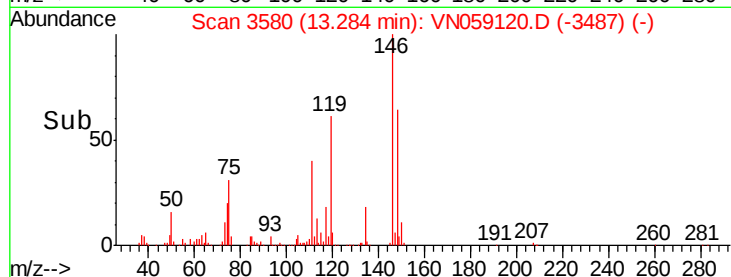
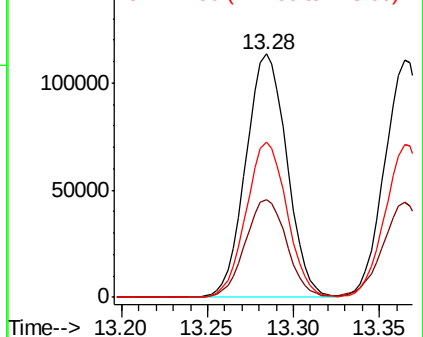
148 63.1 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.982 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

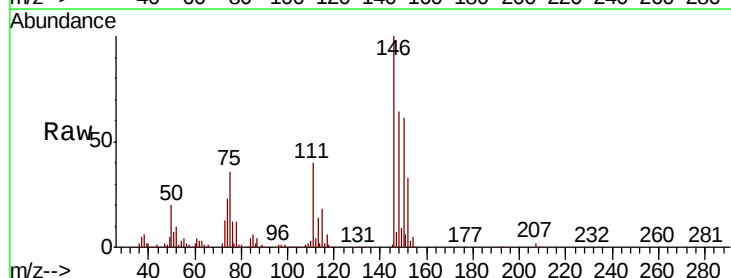
Tgt Ion:146 Resp: 185400

Ion Ratio Lower Upper

146 100

111 40.7 20.3 60.9

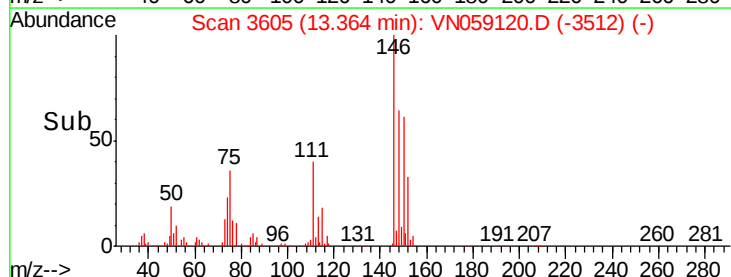
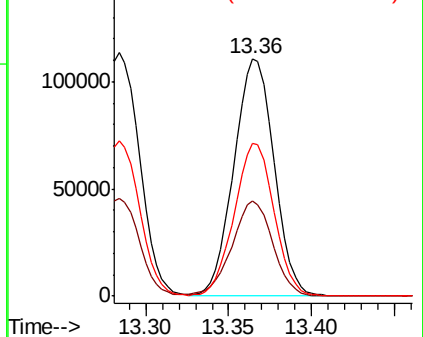
148 64.3 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.427 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampled :

VN1107WBS02

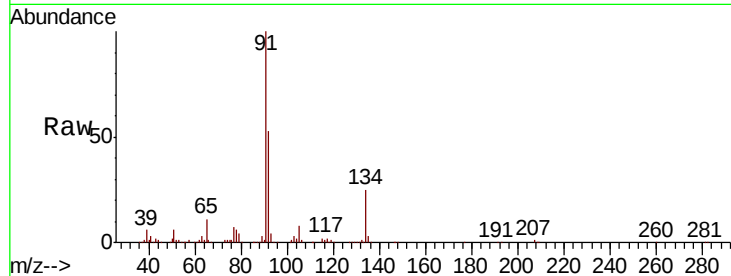
Tot Ion: 91 Resp: 307972

Ion Ratio Lower Upper

91 100

92 52.5 26.1 78.3

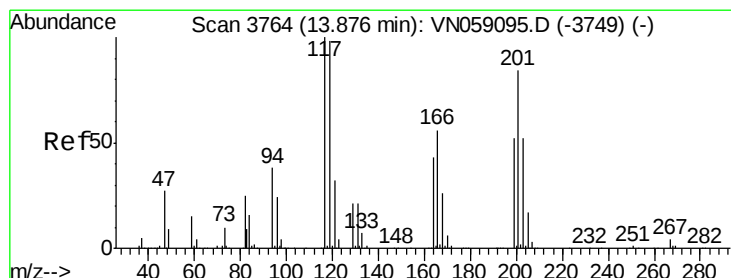
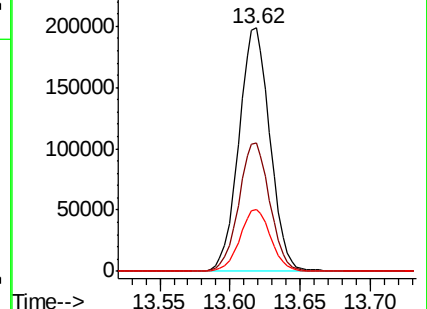
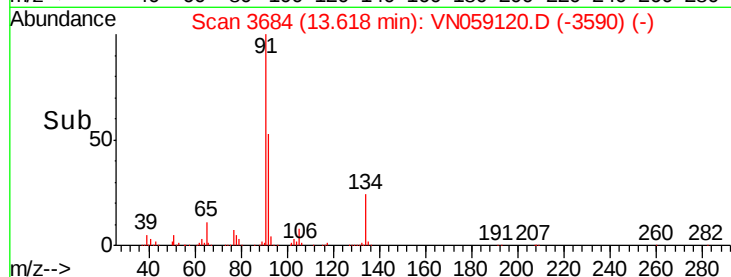
134 25.1 12.6 37.8



Abundance Ion 91.00 (90.70 to 91.70): VN059120.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059120.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059120.D (-3668) (-)



#90

Hexachloroethane

Concen: 20.151 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059120.D

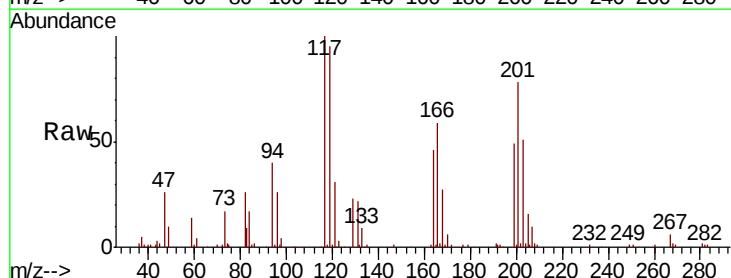
Acq: 7 Nov 2019 14:26

Tgt Ion: 117 Resp: 73289

Ion Ratio Lower Upper

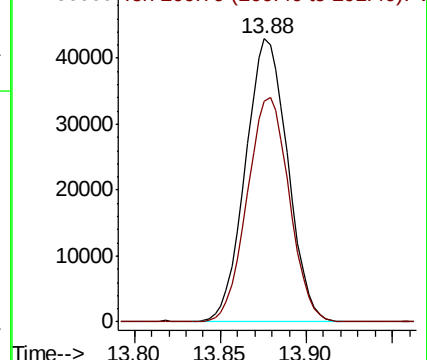
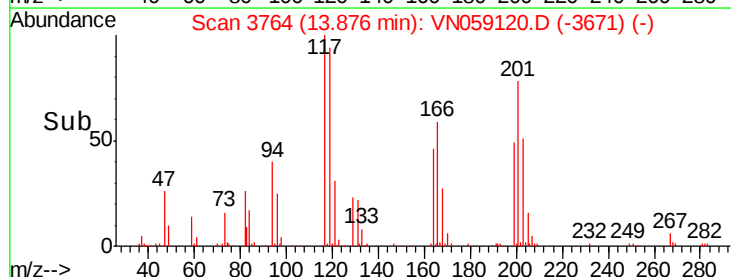
117 100

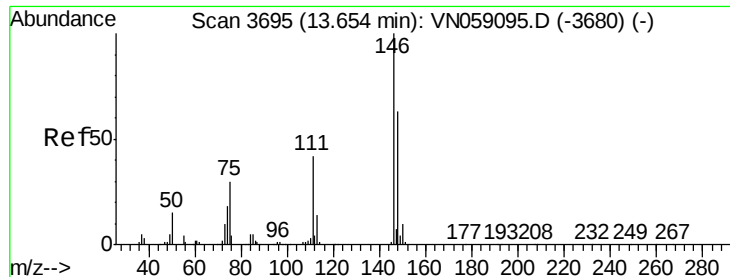
201 79.0 41.8 125.3



Abundance Ion 116.80 (116.50 to 117.50): VN059120.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN059120.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 20.749 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS02

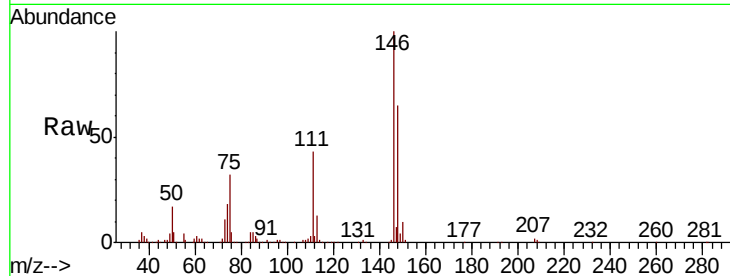
Tot Ion:146 Resp: 189280

Ion Ratio Lower Upper

146 100

111 42.2 21.2 63.6

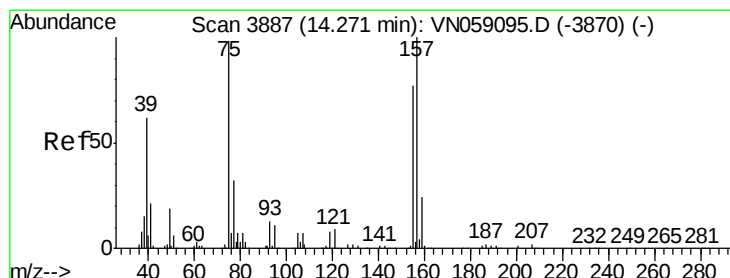
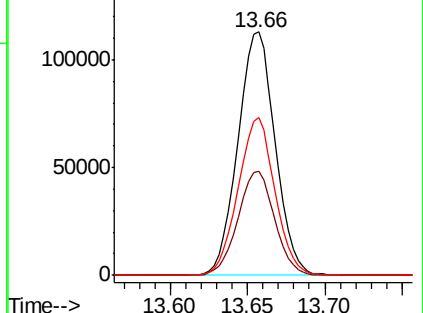
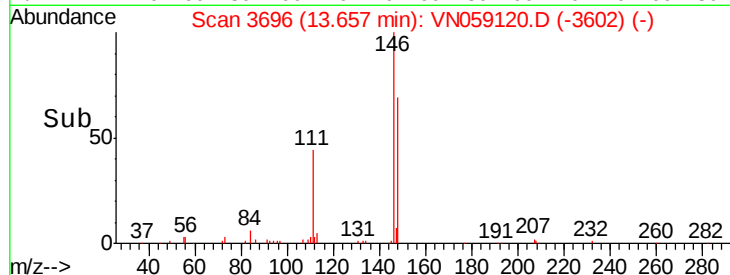
148 64.0 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.954 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

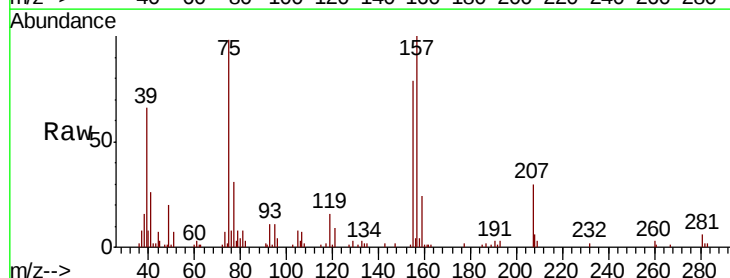
Tgt Ion: 75 Resp: 30663

Ion Ratio Lower Upper

75 100

155 77.5 40.2 120.6

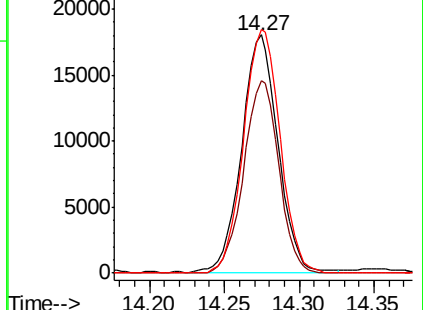
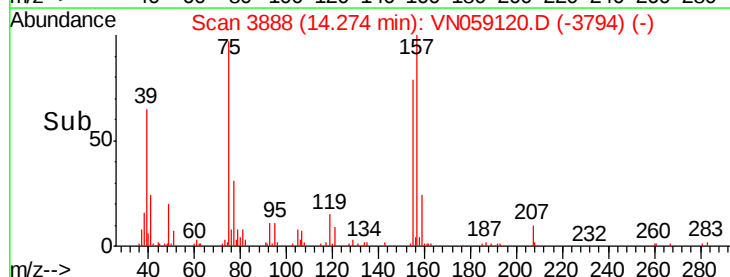
157 102.3 51.8 155.5

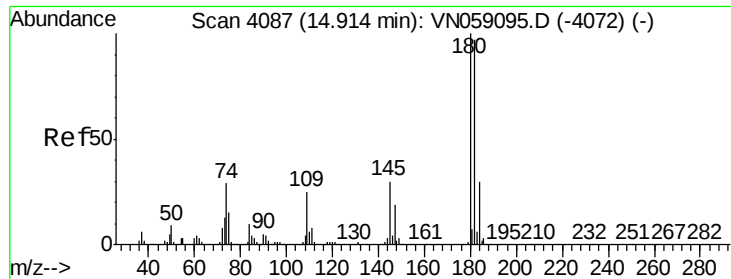


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

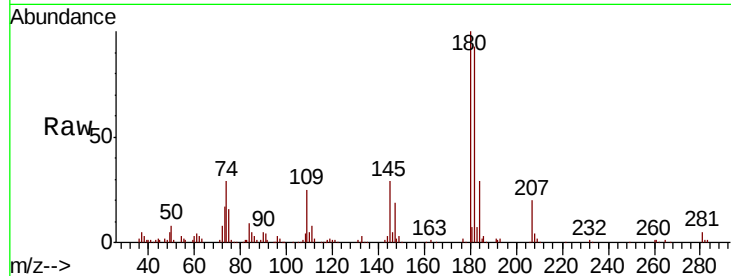




#93
 1,2,4-Trichlorobenzene
 Concen: 19.218 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059120.D
 Acq: 7 Nov 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.3
145	29.5	15.1	45.3

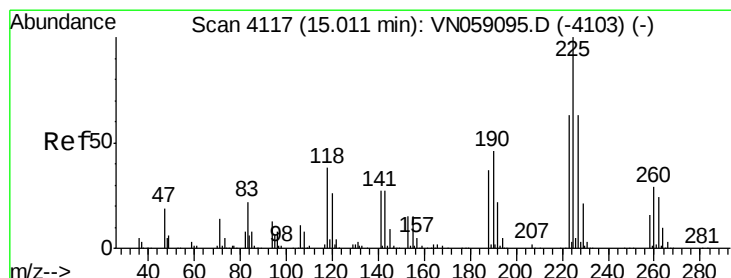
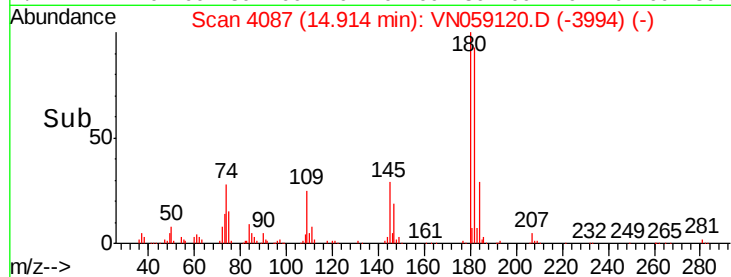
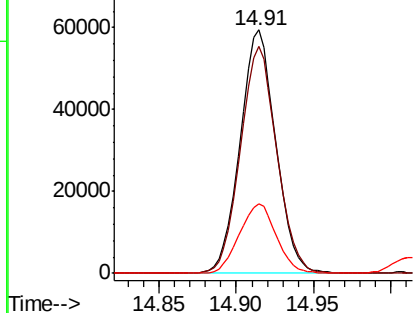


Abundance

Ion 179.80 (179.50 to 180.50): V

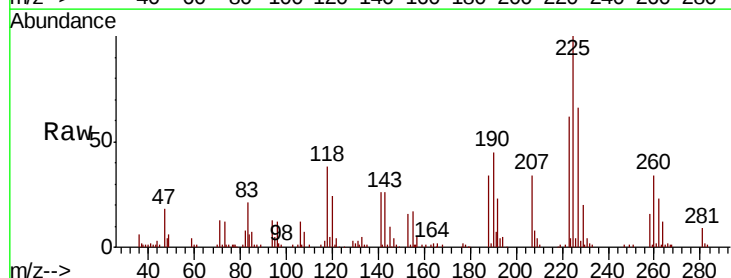
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.444 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059120.D
 Acq: 7 Nov 2019 14:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.3	93.9
227	64.3	31.5	94.5

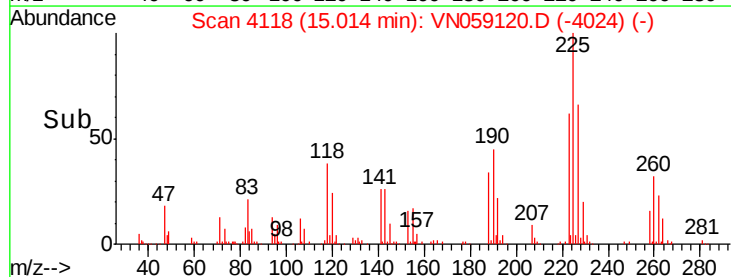
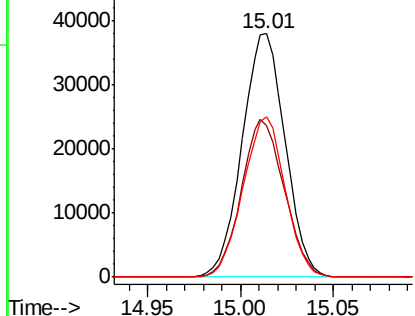


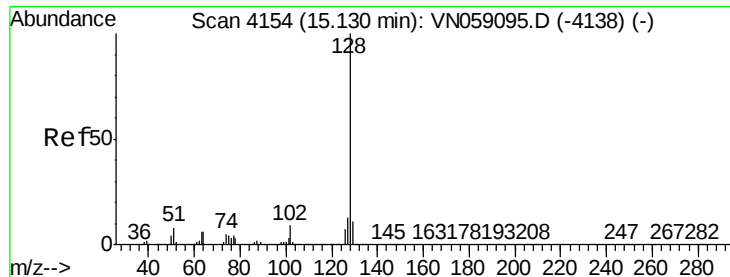
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.746 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS02

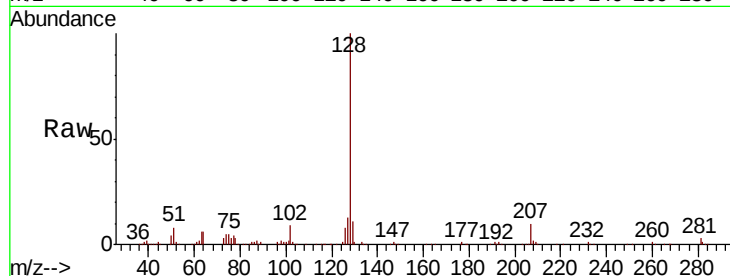
Tot Ion:128 Resp: 256722

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

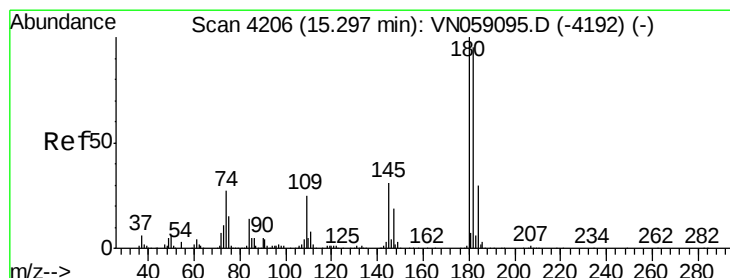
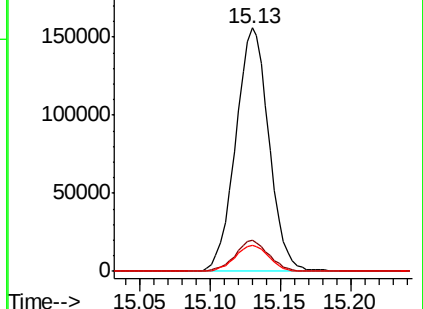
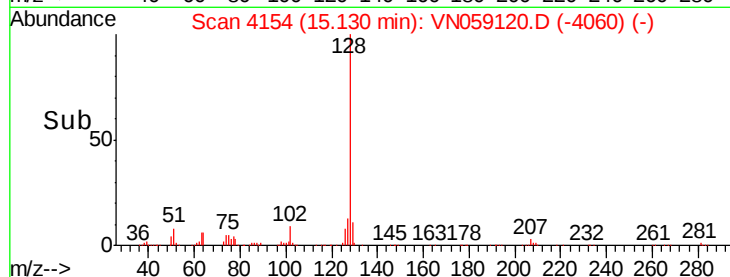
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.365 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059120.D

Acq: 7 Nov 2019 14:26

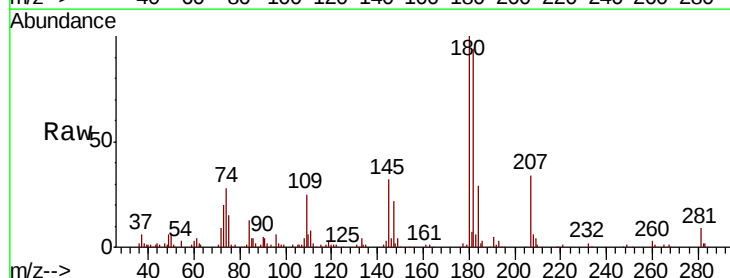
Tgt Ion:180 Resp: 98999

Ion Ratio Lower Upper

180 100

182 94.6 47.3 141.8

145 32.1 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

