

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059182.D
 Acq On : 12 Nov 2019 12:10
 Operator : JC/SP
 Sample : VN1112WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Quant Time: Nov 13 05:37:12 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	415112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	651969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	604506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270999	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	261752	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
35) Dibromofluoromethane	7.57	113	198727	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
50) Toluene-d8	10.08	98	755200	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.40	95	266289	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	75389	18.025	ug/l	99
3) Chloromethane	2.04	50	106553	18.742	ug/l	98
4) Vinyl Chloride	2.17	62	110185	19.990	ug/l	100
5) Bromomethane	2.54	94	62895	19.828	ug/l	100
6) Chloroethane	2.68	64	65875	20.203	ug/l	99
7) Trichlorofluoromethane	3.00	101	136148	20.650	ug/l	98
8) Diethyl Ether	3.39	74	51606	19.264	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	78011	19.624	ug/l	99
10) Methyl Iodide	3.93	142	89633	18.216	ug/l	97
11) Tert butyl alcohol	4.76	59	100792	103.644	ug/l	100
12) 1,1-Dichloroethene	3.72	96	74325	19.194	ug/l	98
13) Acrolein	3.58	56	37186	74.166	ug/l	99
14) Allyl chloride	4.30	41	148738	18.699	ug/l	97
15) Acrylonitrile	4.96	53	240257	99.273	ug/l	99
16) Acetone	3.79	43	248160	93.520	ug/l	99
17) Carbon Disulfide	4.03	76	208887	17.377	ug/l	98
18) Methyl Acetate	4.30	43	132505	21.038	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	265361	19.904	ug/l	98
20) Methylene Chloride	4.53	84	90607	19.600	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	80662	19.406	ug/l	100
22) Diisopropyl ether	5.92	45	304856	20.291	ug/l	92
23) Vinyl Acetate	5.87	43	1252310	107.547	ug/l	100
24) 1,1-Dichloroethane	5.82	63	168217	20.046	ug/l	99
25) 2-Butanone	6.81	43	353600	101.109	ug/l	98
26) 2,2-Dichloropropane	6.80	77	142824	19.464	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	96053	19.918	ug/l	99
28) Bromochloromethane	7.17	49	50628	20.053	ug/l	98
29) Tetrahydrofuran	7.19	42	231527	104.191	ug/l	99
30) Chloroform	7.35	83	168093	20.882	ug/l	99
31) Cyclohexane	7.63	56	144969	18.249	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	141312	20.880	ug/l	98
36) 1,1-Dichloropropene	7.77	75	118437	19.435	ug/l	99
37) Ethyl Acetate	6.90	43	140619	20.742	ug/l	99
38) Carbon Tetrachloride	7.75	117	122711	20.231	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	129494	18.309	ug/l	97
40) Benzene	8.02	78	367921	20.049	ug/l	99
41) Methacrylonitrile	7.18	41	205433	69.686	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	133943	21.281	ug/l	98
43) Isopropyl Acetate	8.14	43	217702	20.143	ug/l #	92
44) Trichloroethene	8.82	130	88923	19.712	ug/l	99
45) 1,2-Dichloropropane	9.10	63	99964	20.055	ug/l	100
46) Dibromomethane	9.19	93	62879	20.244	ug/l	99
47) Bromodichloromethane	9.39	83	127672	20.584	ug/l	97
48) Methyl methacrylate	9.18	41	97224	20.111	ug/l	99
49) 1,4-Dioxane	9.18	88	36174	421.045	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	695969	113.804	ug/l	98
52) Toluene	10.15	92	220521	20.049	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	140187	19.563	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	153485	19.912	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	89407	20.085	ug/l	97
56) Ethyl methacrylate	10.42	69	130449	18.785	ug/l	96
57) 1,3-Dichloropropane	10.70	76	157322	20.534	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	240945	97.259	ug/l	99
59) 2-Hexanone	10.74	43	510028	108.657	ug/l	98
60) Dibromochloromethane	10.90	129	96278	20.456	ug/l	100
61) 1,2-Dibromoethane	11.00	107	93195	20.681	ug/l	100
64) Tetrachloroethene	10.62	164	78686	19.142	ug/l	99
65) Chlorobenzene	11.43	112	231729	19.664	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	87646	19.827	ug/l	97
67) Ethyl Benzene	11.51	91	410593	19.638	ug/l	99
68) m/p-Xylenes	11.62	106	304938	38.936	ug/l	99
69) o-Xylene	11.95	106	146448	19.349	ug/l	99
70) Styrene	11.96	104	231098	19.414	ug/l	99
71) Bromoform	12.13	173	67365	19.592	ug/l #	99
73) Isopropylbenzene	12.25	105	395877	20.082	ug/l	100
74) N-amyl acetate	12.07	43	167470	20.049	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	140909	20.990	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	183271	29.705	ug/l #	100
77) Bromobenzene	12.53	156	95350	19.252	ug/l	97
78) n-propylbenzene	12.59	91	459759	20.370	ug/l	99
79) 2-Chlorotoluene	12.67	91	277326	19.806	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	333629	19.974	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	45390	19.432	ug/l	96
82) 4-Chlorotoluene	12.77	91	274827	19.570	ug/l	100
83) tert-Butylbenzene	12.99	119	287755	19.949	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	326728	20.218	ug/l	100
85) sec-Butylbenzene	13.17	105	376475	20.068	ug/l	100
86) p-Isopropyltoluene	13.29	119	331479	20.011	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	166036	19.578	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	159589	18.807	ug/l	98
89) n-Butylbenzene	13.62	91	269150	18.565	ug/l	100
90) Hexachloroethane	13.88	117	64578	19.415	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	168334	20.177	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28111	21.004	ug/l	96

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	78961	17.696	ug/l	99
94) Hexachlorobutadiene	15.01	225	55575	19.320	ug/l	99
95) Naphthalene	15.13	128	213222	17.304	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	85931	18.379	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

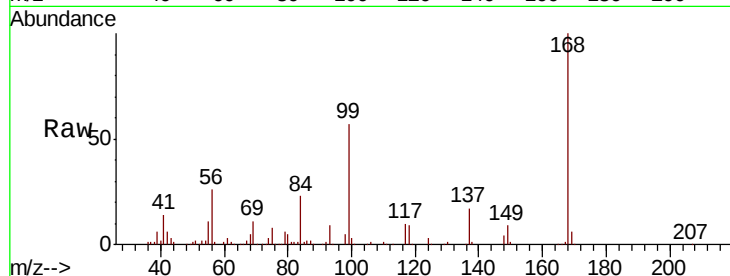
VN1112WBS01

Tot Ion:168 Resp: 415112

Ion Ratio Lower Upper

168 100

99 57.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

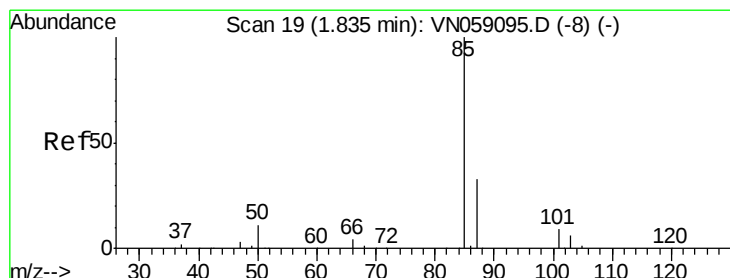
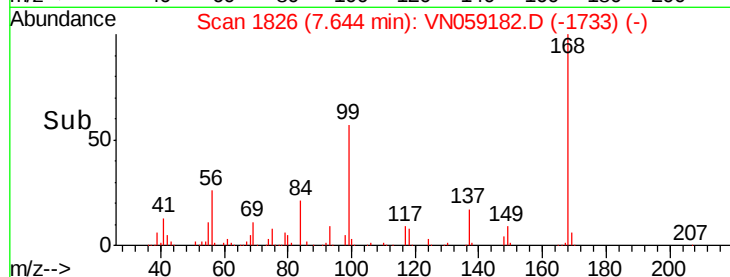
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.025 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059182.D

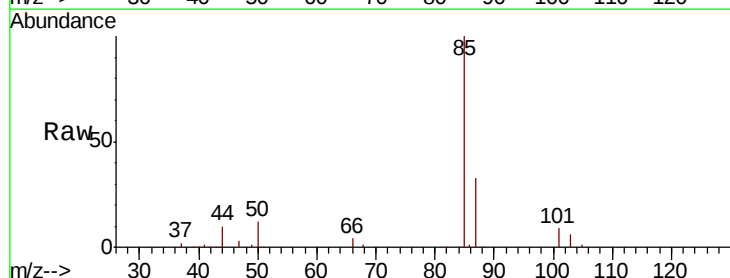
Acq: 12 Nov 2019 12:10

Tgt Ion: 85 Resp: 75389

Ion Ratio Lower Upper

85 100

87 33.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

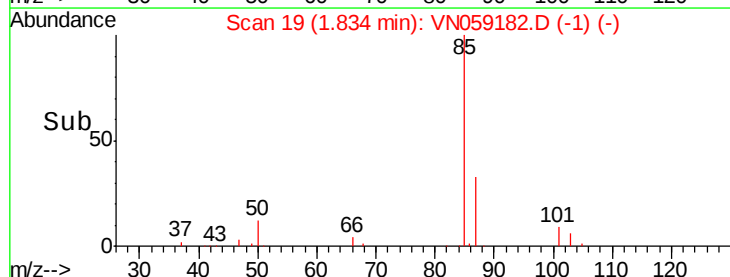
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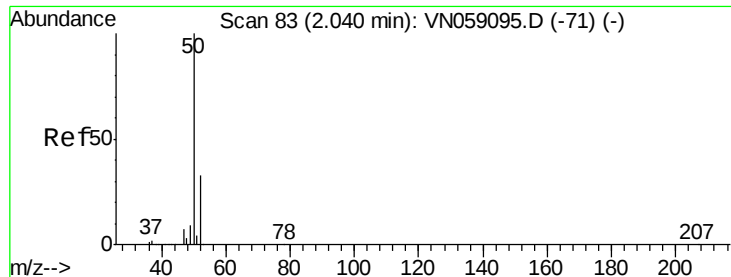
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10000

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Time-->





#3

Chloromethane

Concen: 18.742 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

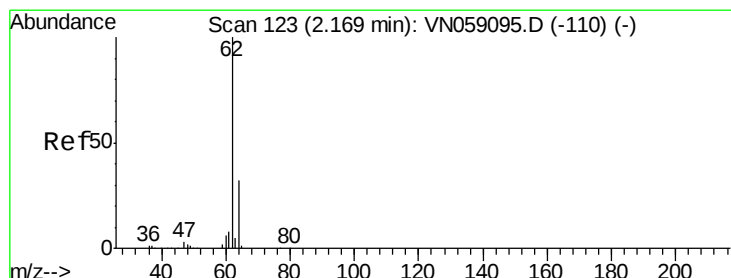
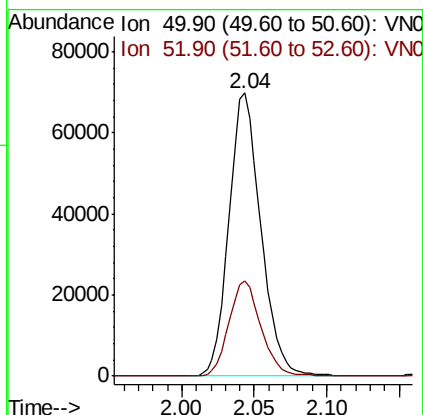
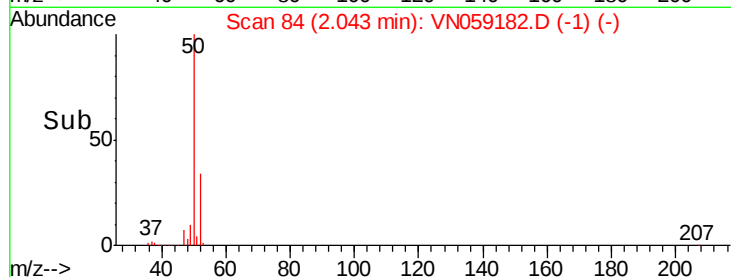
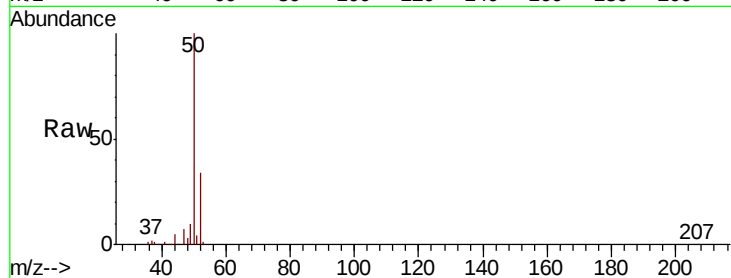
VN1112WBS01

Tot Ion: 50 Resp: 106553

Ion Ratio Lower Upper

50 100

52 33.8 26.0 39.0



#4

Vinyl Chloride

Concen: 19.990 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059182.D

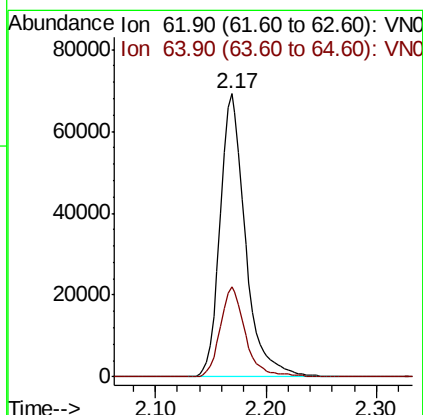
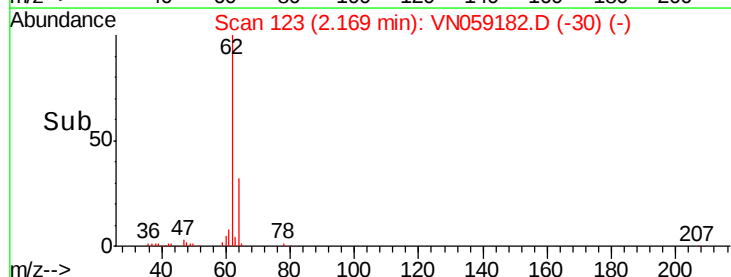
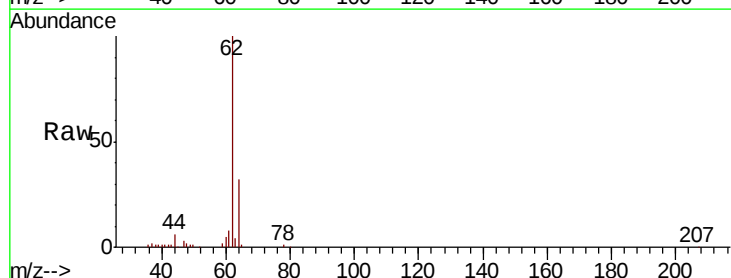
Acq: 12 Nov 2019 12:10

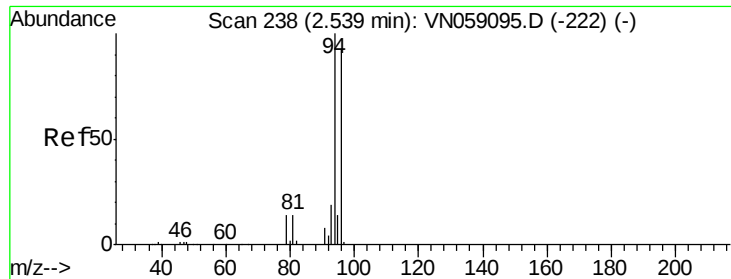
Tgt Ion: 62 Resp: 110185

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2

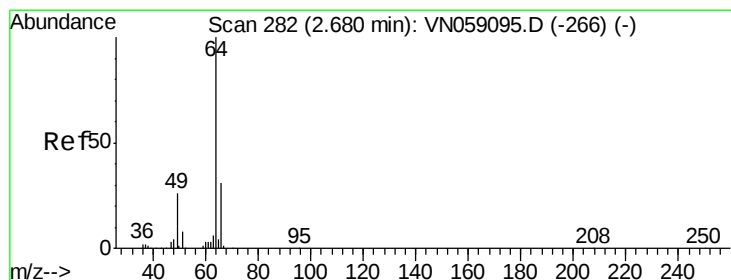
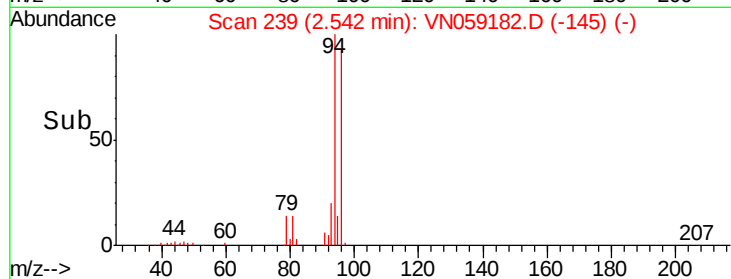
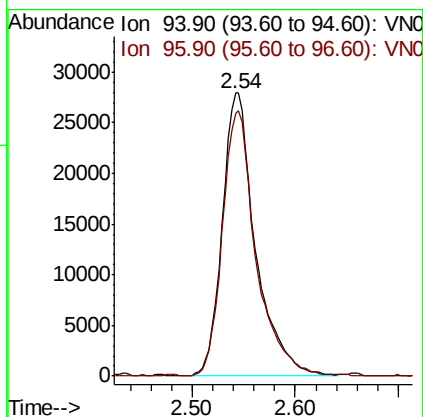
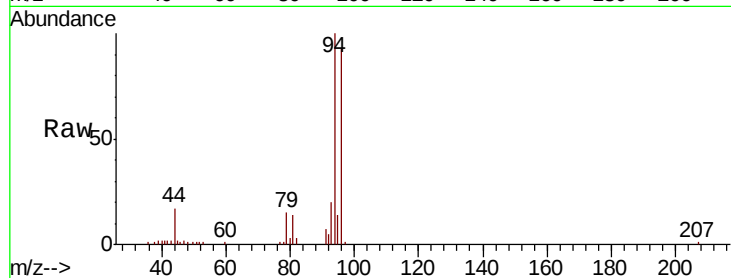




#5
Bromomethane
Concen: 19.828 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

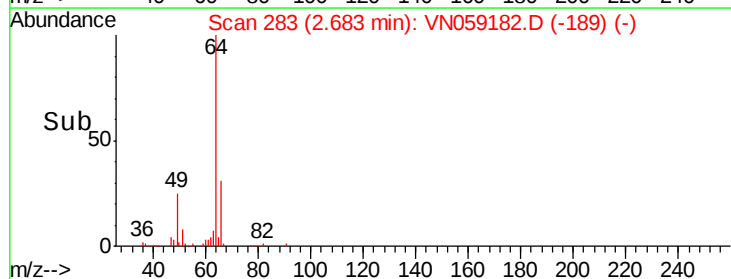
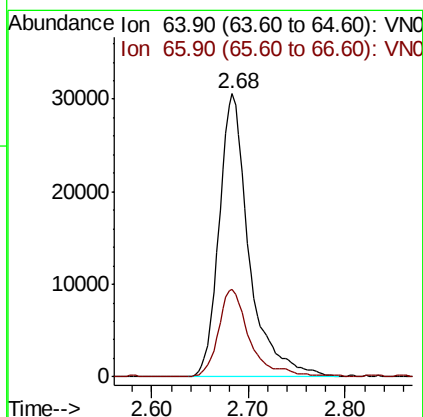
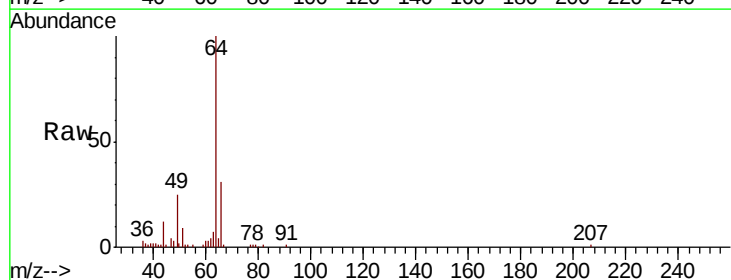
Instrument :
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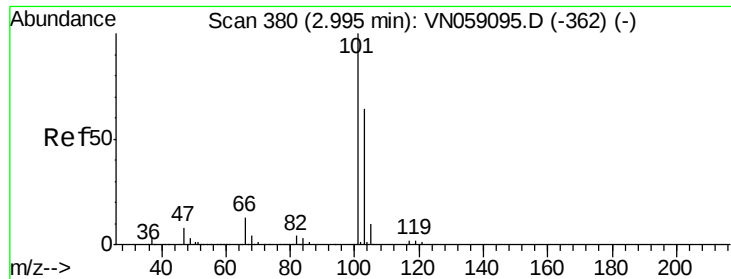
Tot Ion: 94 Resp: 62895
Ion Ratio Lower Upper
94 100
96 93.0 74.2 111.2



#6
Chloroethane
Concen: 20.203 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion: 64 Resp: 65875
Ion Ratio Lower Upper
64 100
66 30.8 25.2 37.8



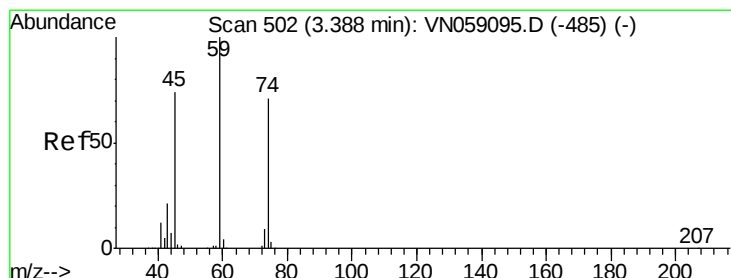
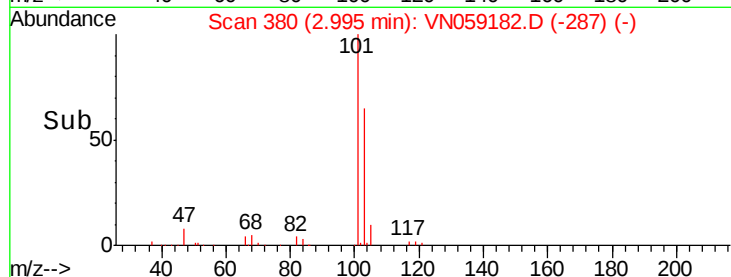
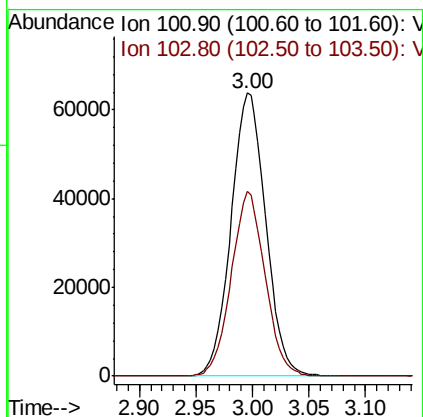
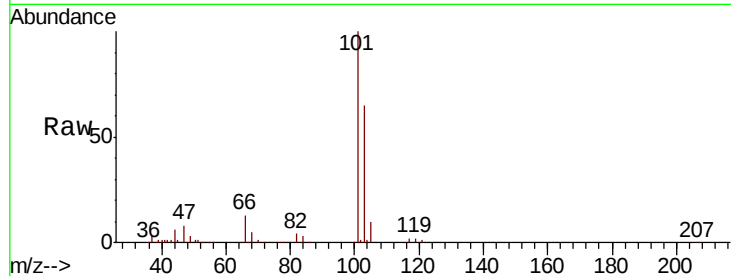


#7

Trichlorofluoromethane
 Concen: 20.650 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059182.D
 Acq: 12 Nov 2019 12:10

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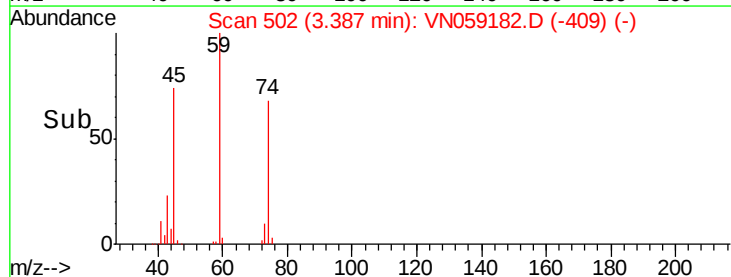
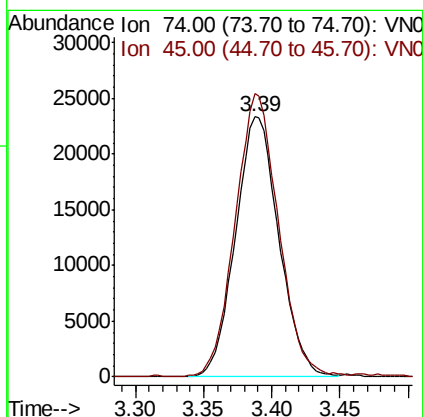
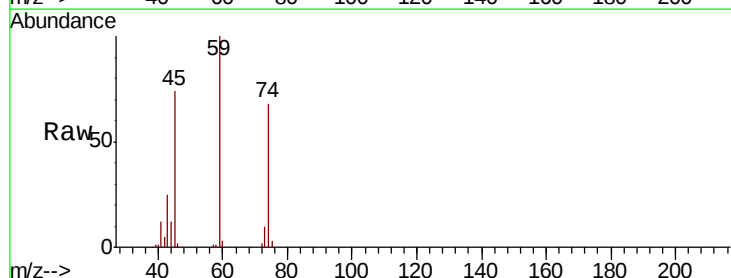
Tot Ion:101 Resp: 136148
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.2 76.8



#8

Diethyl Ether
 Concen: 19.264 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059182.D
 Acq: 12 Nov 2019 12:10

Tgt Ion: 74 Resp: 51606
 Ion Ratio Lower Upper
 74 100
 45 108.7 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.624 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

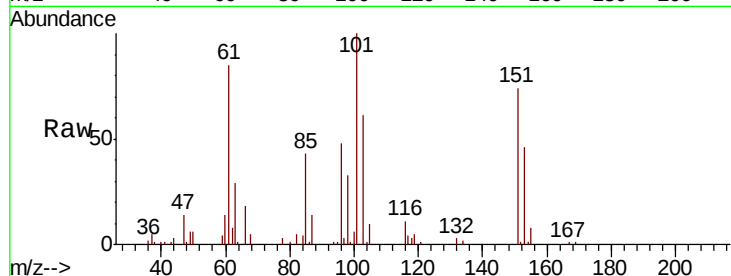
Tot Ion:101 Resp: 78011

Ion Ratio Lower Upper

101 100

85 44.6 35.5 53.3

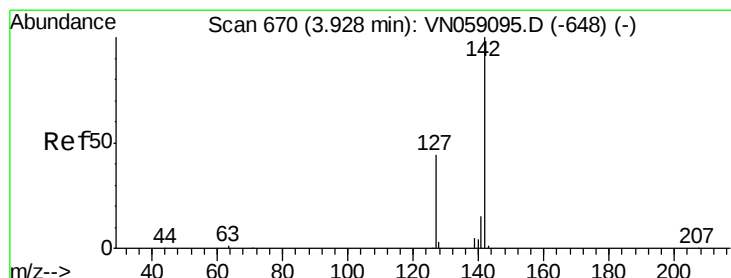
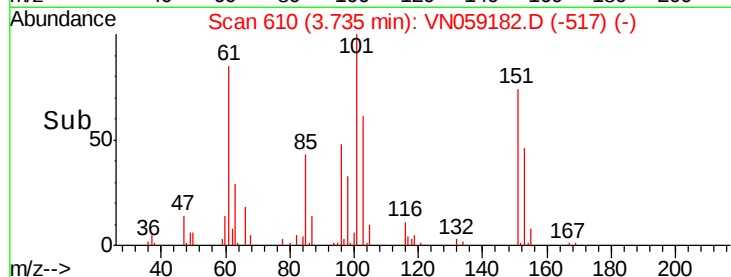
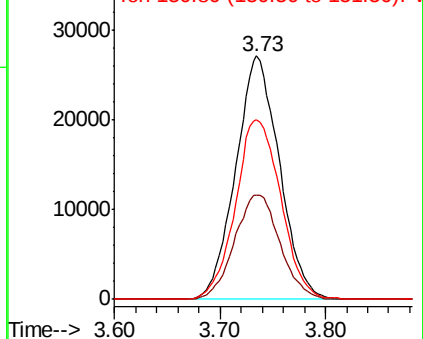
151 76.5 62.2 93.2



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: 18.216 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

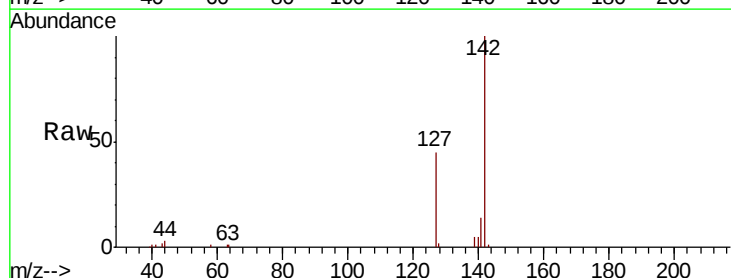
Tgt Ion:142 Resp: 89633

Ion Ratio Lower Upper

142 100

127 45.7 34.2 51.2

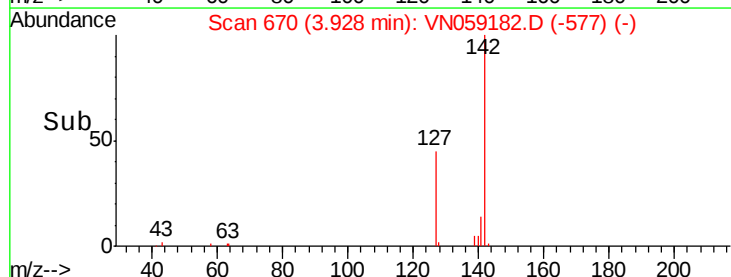
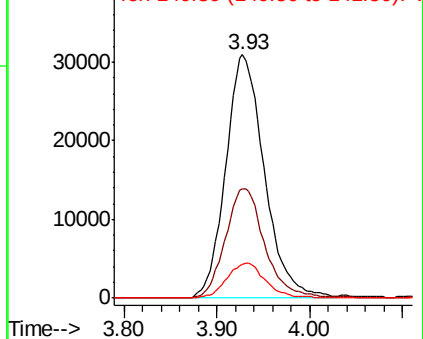
141 14.2 11.4 17.0

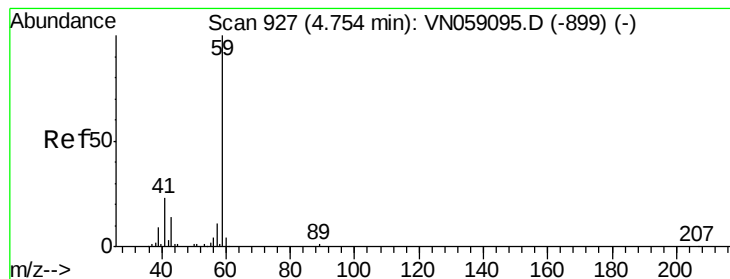


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 103.644 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.01 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

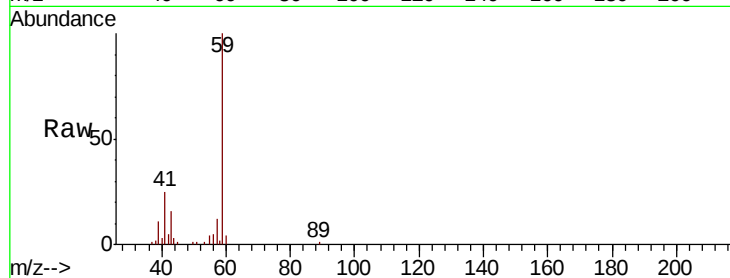
VN1112WBS01

Tot Ion: 59 Resp: 100792

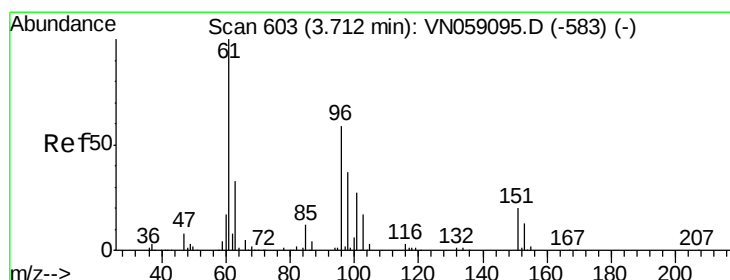
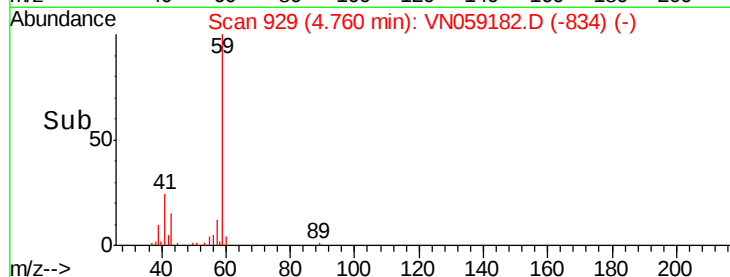
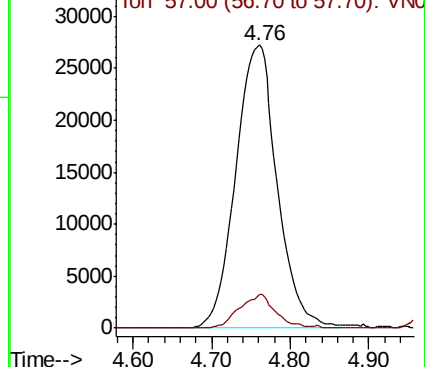
Ion Ratio Lower Upper

59 100

57 10.3 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VN059182.D (-834) (-)



#12

1,1-Dichloroethene

Concen: 19.194 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

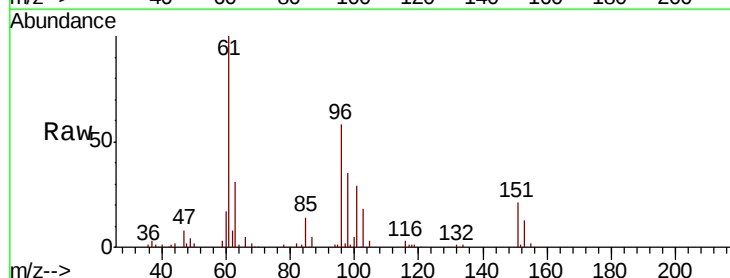
Tgt Ion: 96 Resp: 74325

Ion Ratio Lower Upper

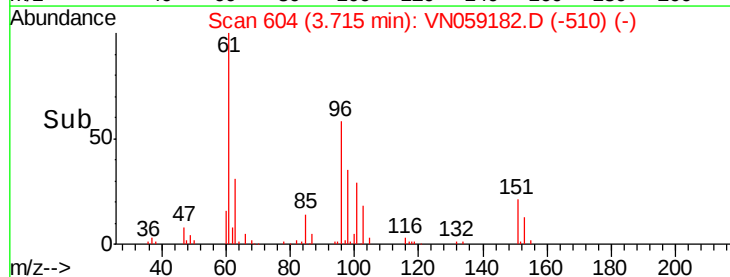
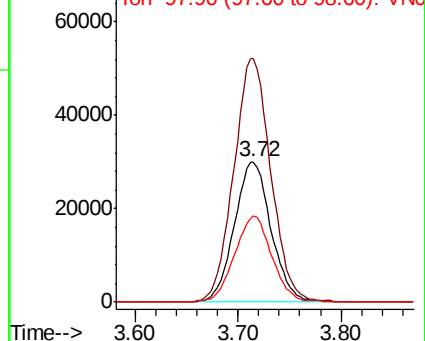
96 100

61 173.8 136.5 204.7

98 61.4 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VN059182.D (-510) (-)





#13

Acrolein

Concen: 74.166 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

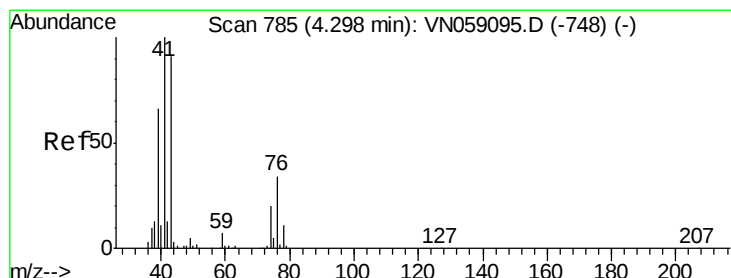
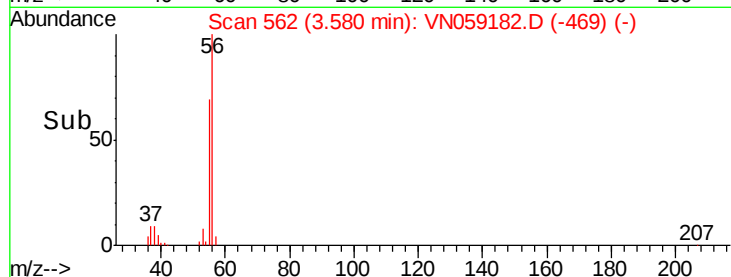
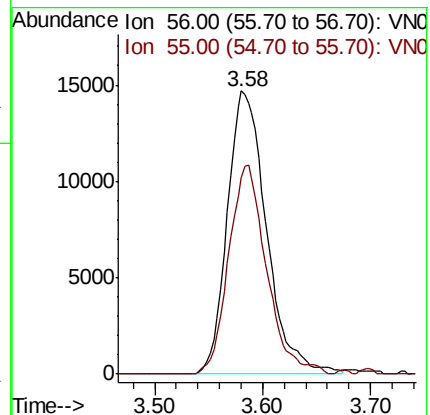
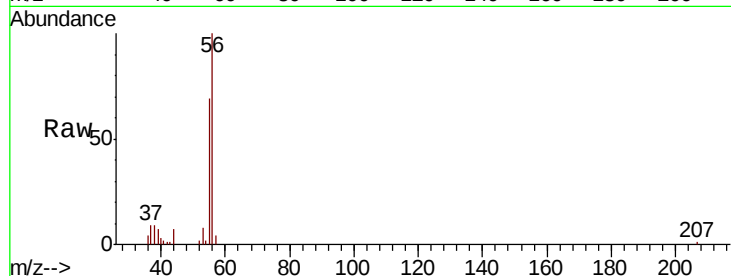
VN1112WBS01

Tot Ion: 56 Resp: 37186

Ion Ratio Lower Upper

56 100

55 71.3 56.4 84.6



#14

Allyl chloride

Concen: 18.699 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

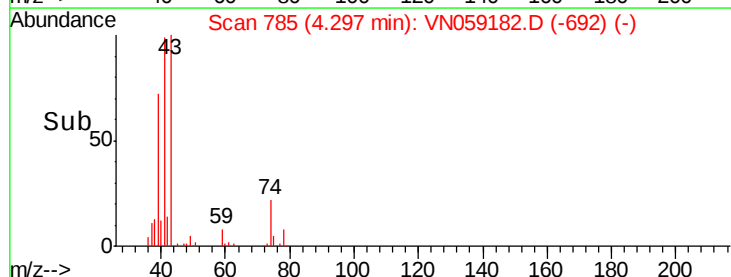
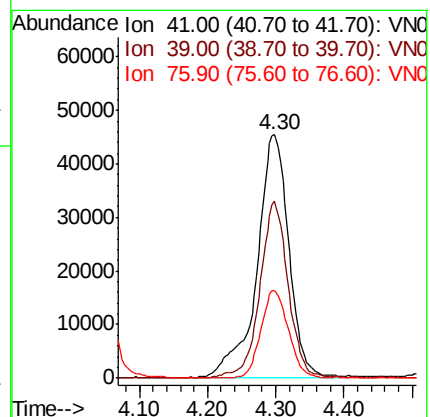
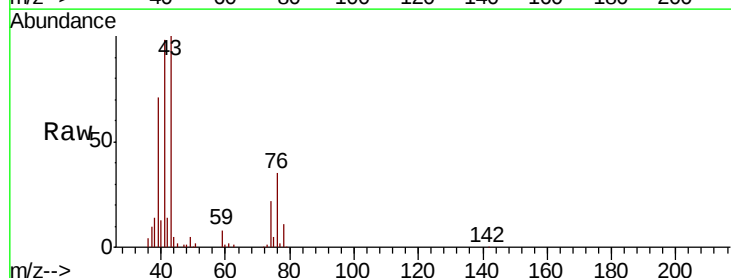
Tgt Ion: 41 Resp: 148738

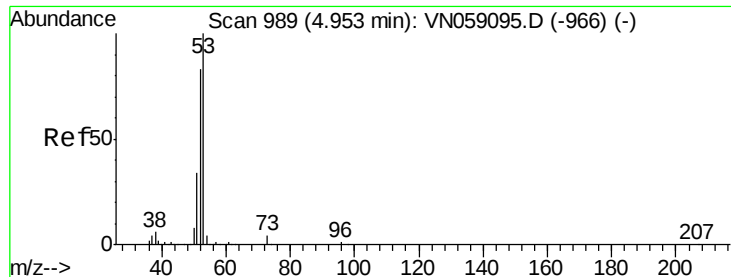
Ion Ratio Lower Upper

41 100

39 64.1 49.1 73.7

76 30.8 24.9 37.3





#15

Acrylonitrile

Concen: 99.273 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.01 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

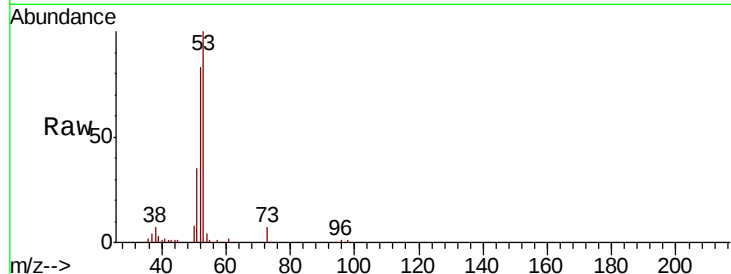
Tot Ion: 53 Resp: 240257

Ion Ratio Lower Upper

53 100

52 82.2 65.0 97.6

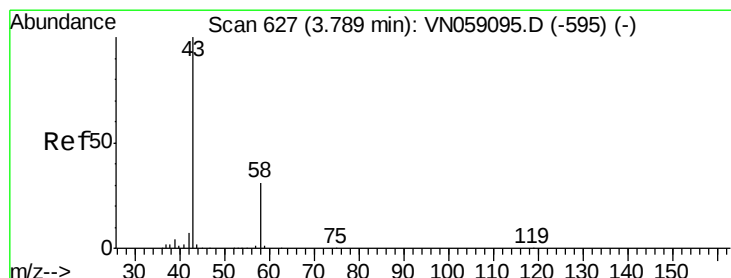
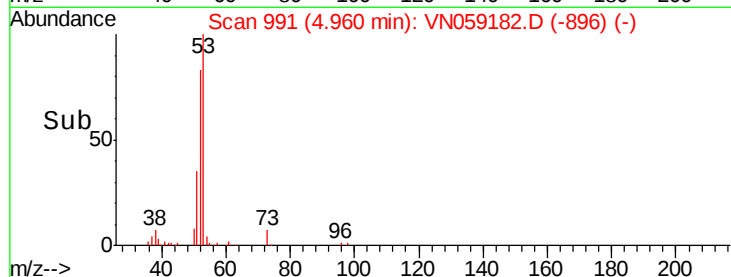
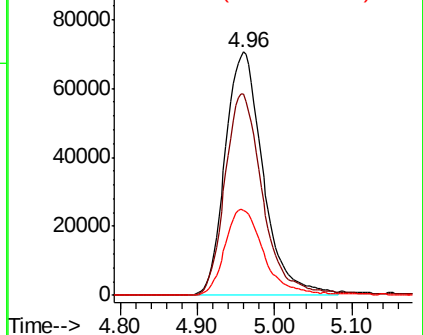
51 36.2 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 93.520 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059182.D

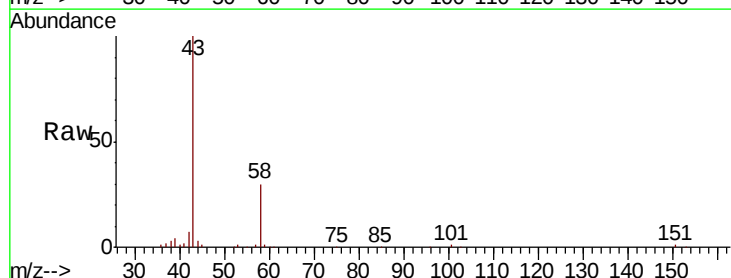
Acq: 12 Nov 2019 12:10

Tgt Ion: 43 Resp: 248160

Ion Ratio Lower Upper

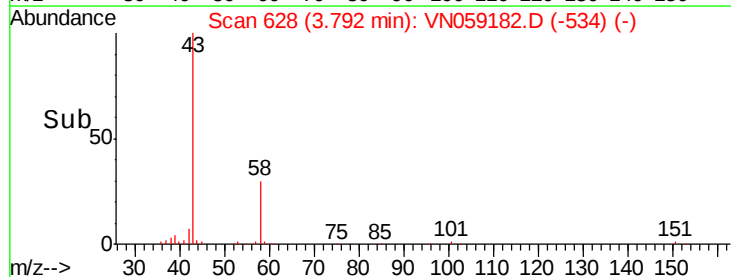
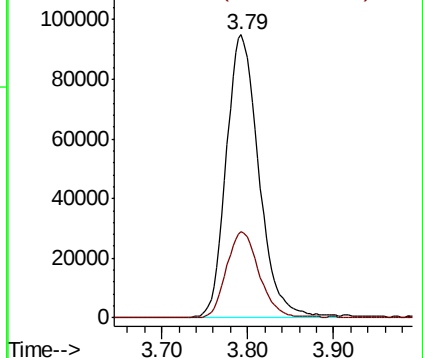
43 100

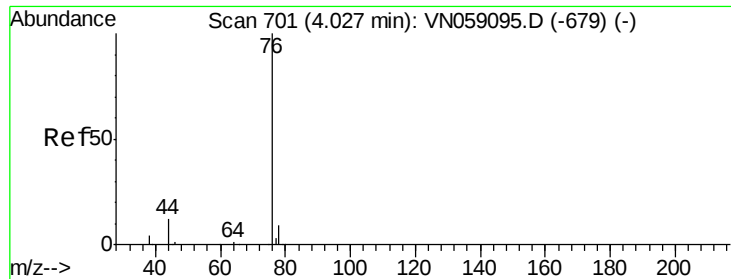
58 30.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

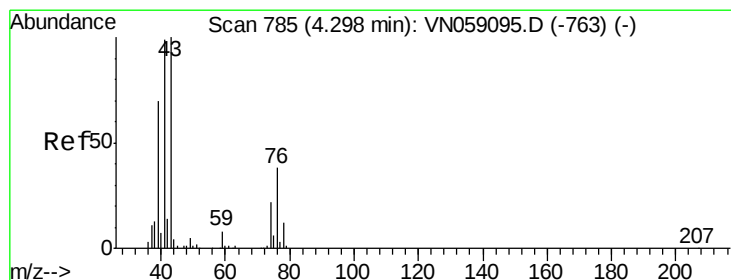
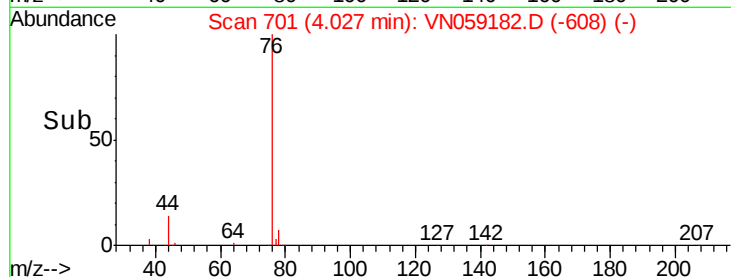
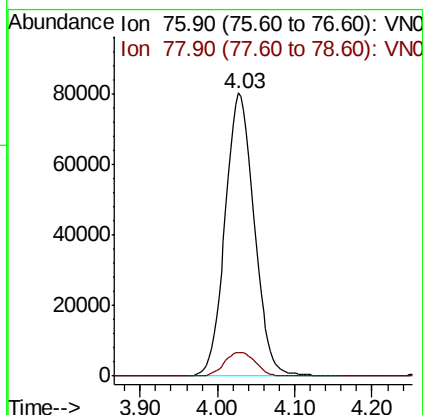
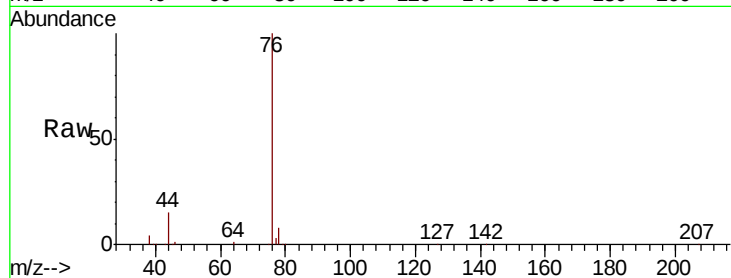




#17
Carbon Disulfide
Concen: 17.377 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

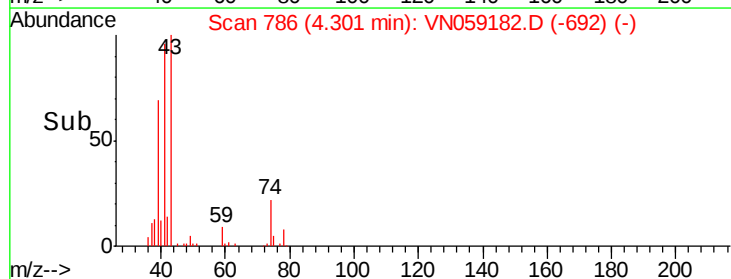
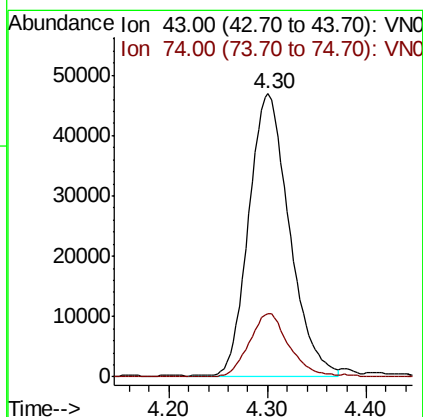
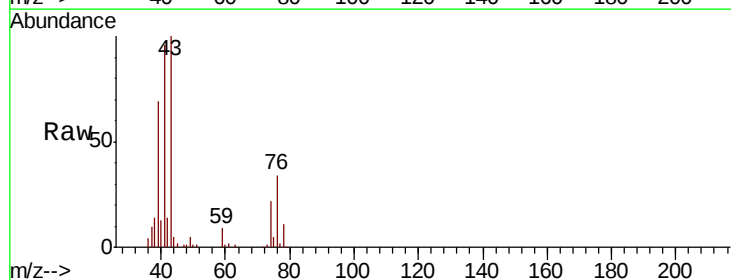
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

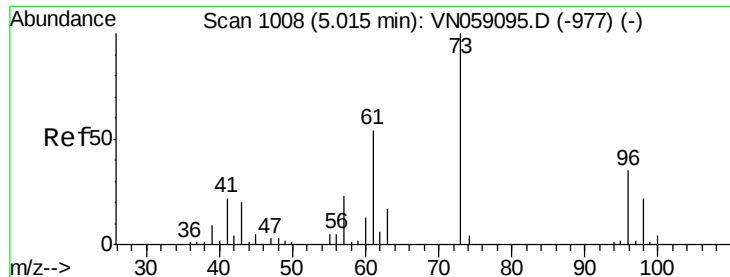
Tot Ion: 76 Resp: 208887
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0



#18
Methyl Acetate
Concen: 21.038 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion: 43 Resp: 132505
Ion Ratio Lower Upper
43 100
74 22.0 17.8 26.8

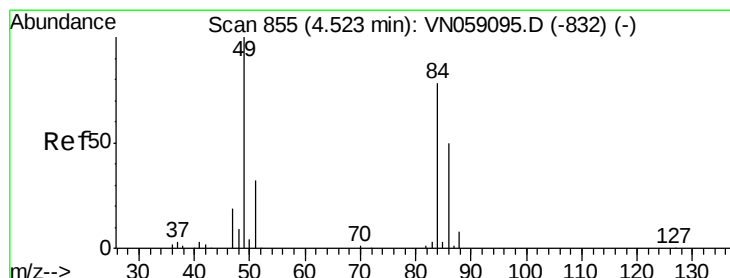
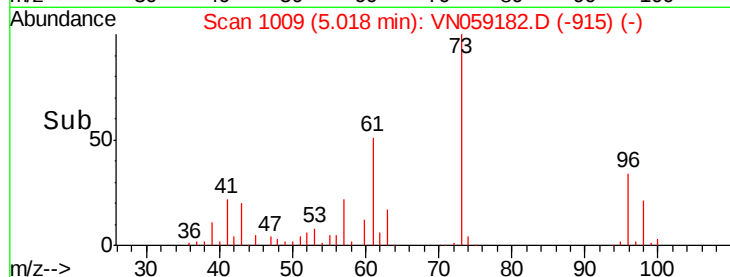
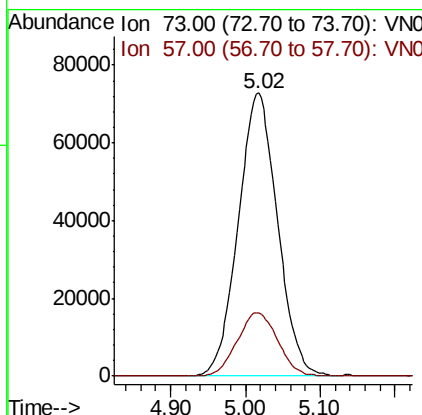
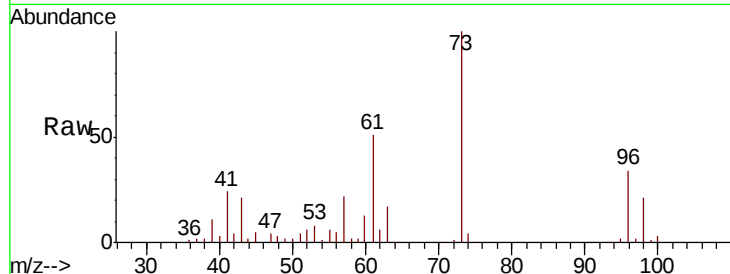




#19
Methvl tert-butvl Ether
Concen: 19.904 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

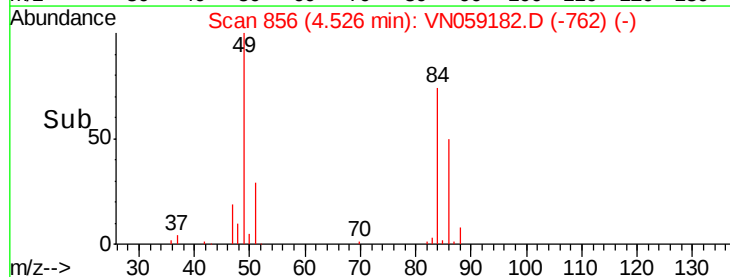
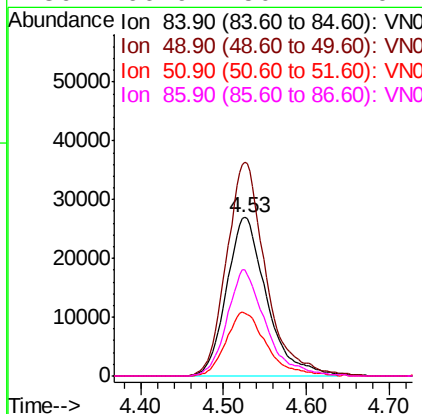
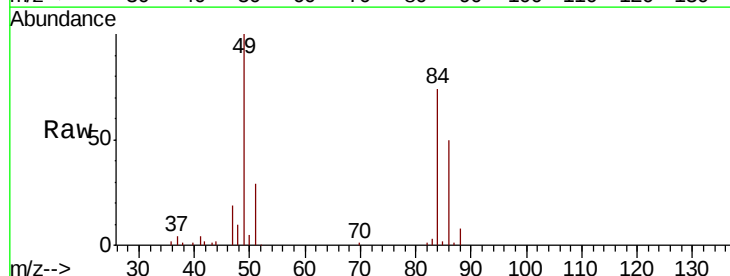
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

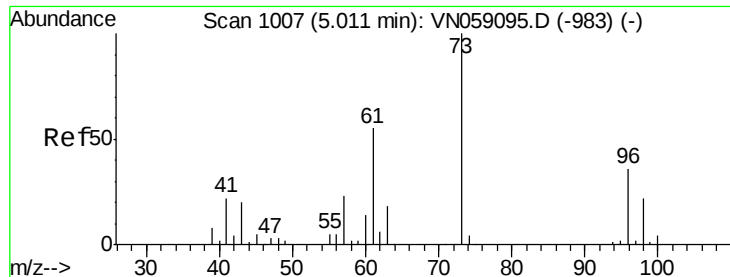
Tot Ion: 73 Resp: 265361
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6



#20
Methylene Chloride
Concen: 19.600 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion: 84 Resp: 90607
Ion Ratio Lower Upper
84 100
49 134.6 102.0 153.0
51 39.5 32.2 48.2
86 66.9 50.7 76.1

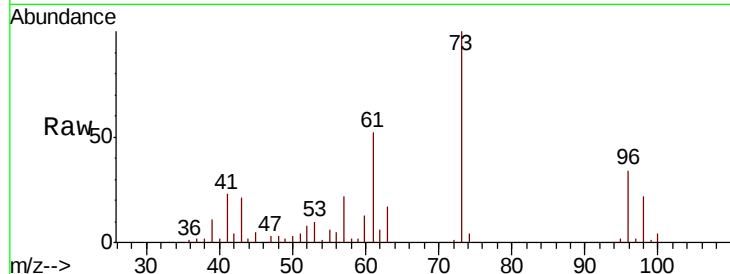




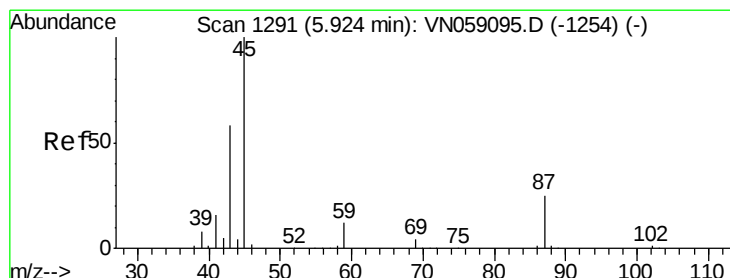
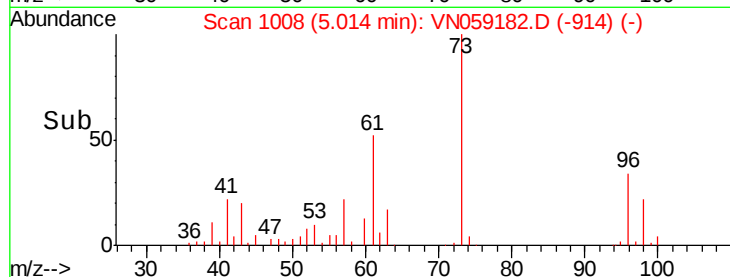
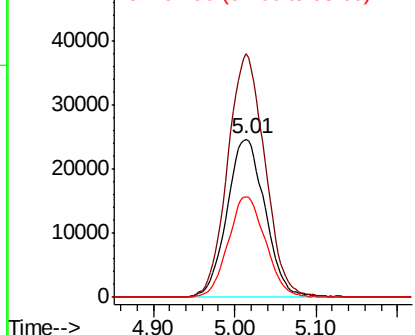
#21
trans-1,2-Dichloroethene
Concen: 19.406 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion: 96 Resp: 80662
Ion Ratio Lower Upper
96 100
61 153.7 122.6 183.8
98 63.4 50.3 75.5

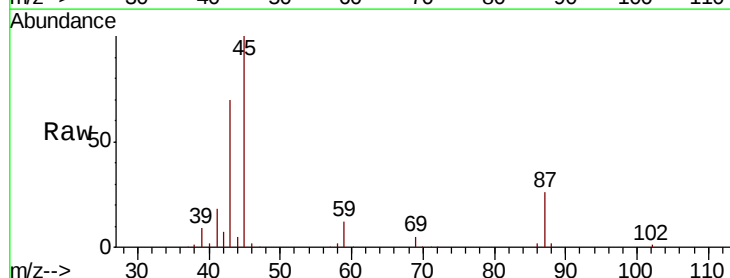


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

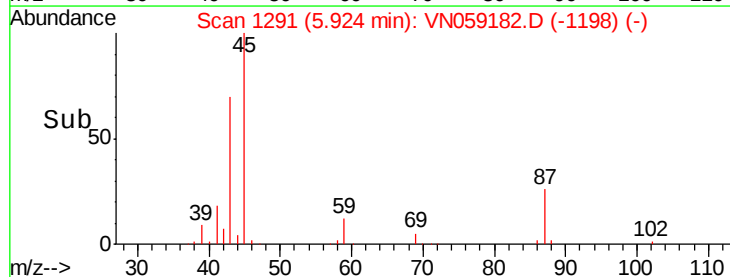
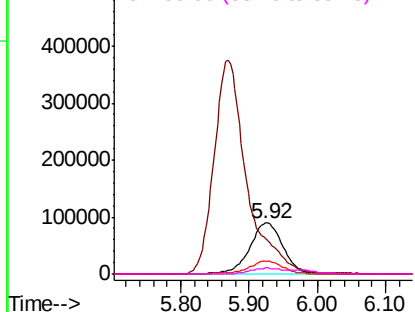


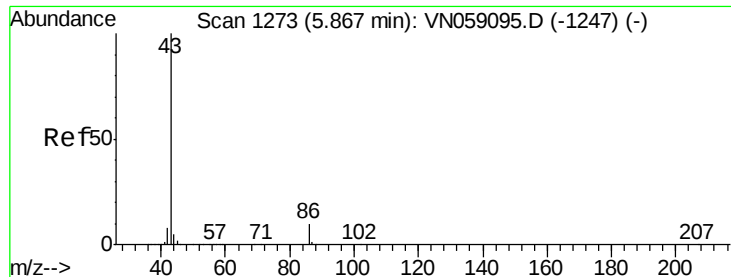
#22
Diisopropyl ether
Concen: 20.291 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion: 45 Resp: 304856
Ion Ratio Lower Upper
45 100
43 67.7 46.7 70.1
87 25.7 20.5 30.7
59 11.4 9.6 14.4



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





#23

Vinyl Acetate

Concen: 107.547 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

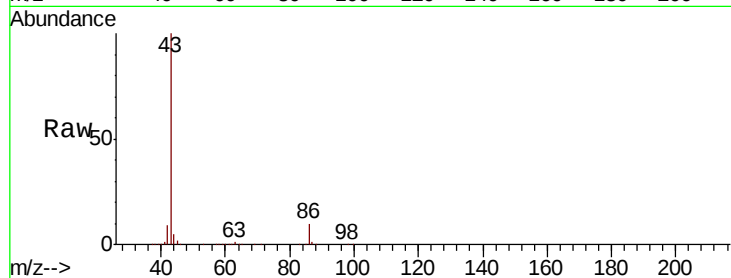
VN1112WBS01

Tot Ion: 43 Resp: 1252310

Ion Ratio Lower Upper

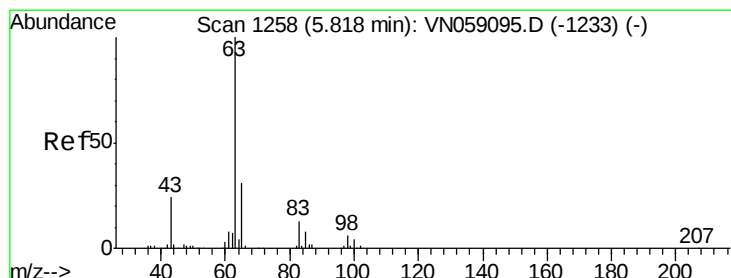
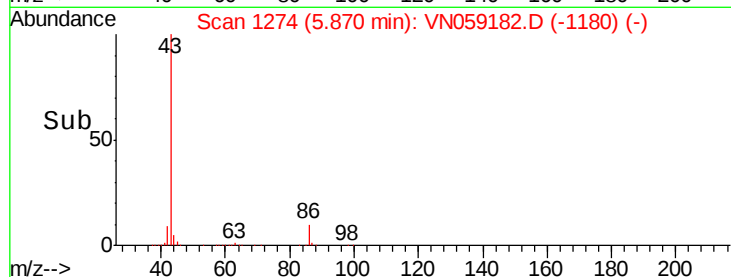
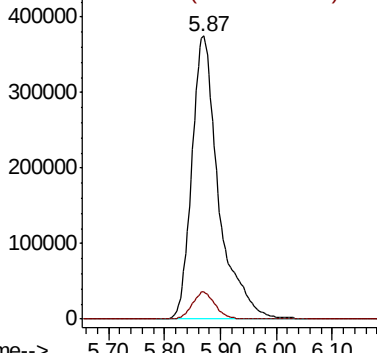
43 100

86 9.6 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.046 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

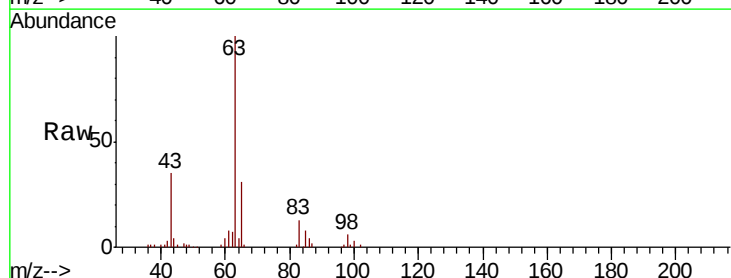
Tgt Ion: 63 Resp: 168217

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

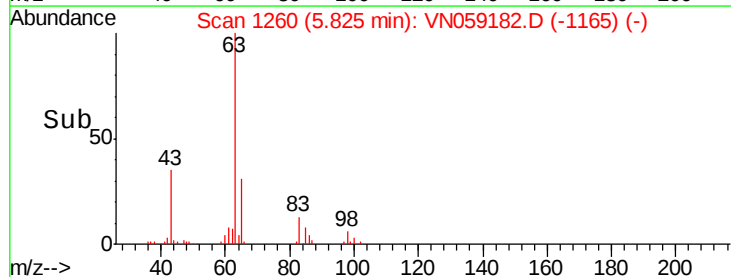
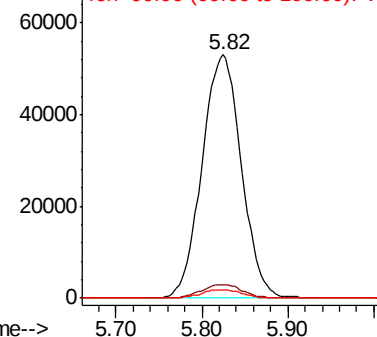
100 3.5 1.9 5.7

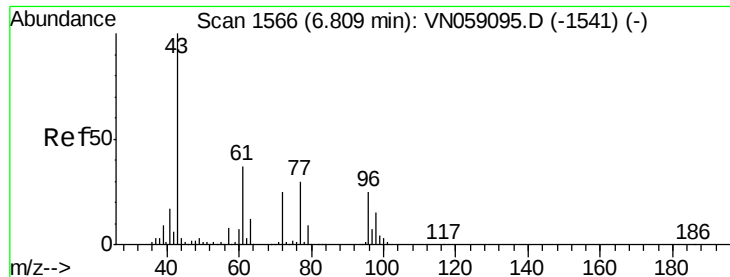


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 101.109 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

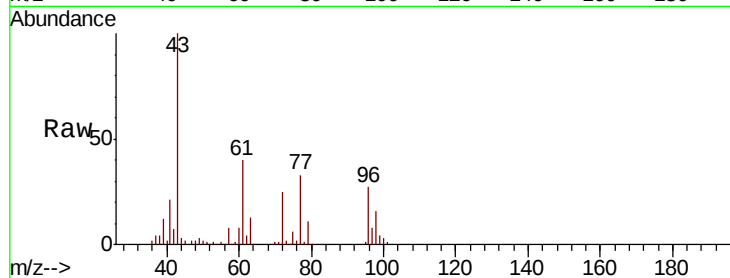
VN1112WBS01

Tot Ion: 43 Resp: 353600

Ion Ratio Lower Upper

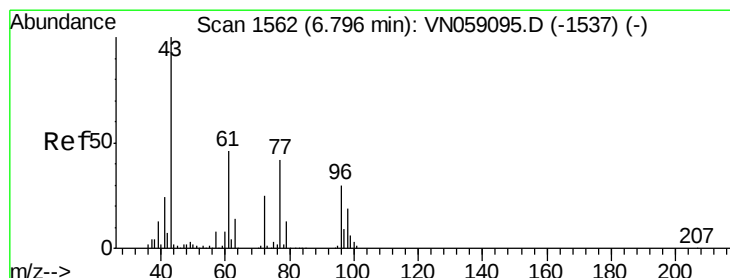
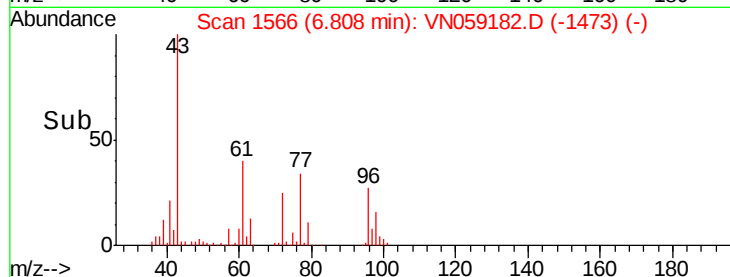
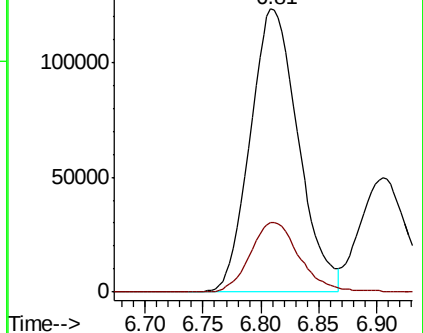
43 100

72 24.6 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.464 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059182.D

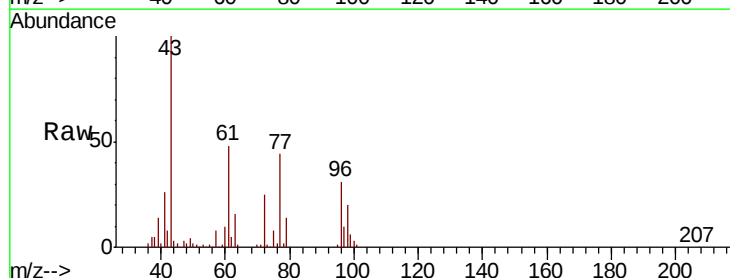
Acq: 12 Nov 2019 12:10

Tgt Ion: 77 Resp: 142824

Ion Ratio Lower Upper

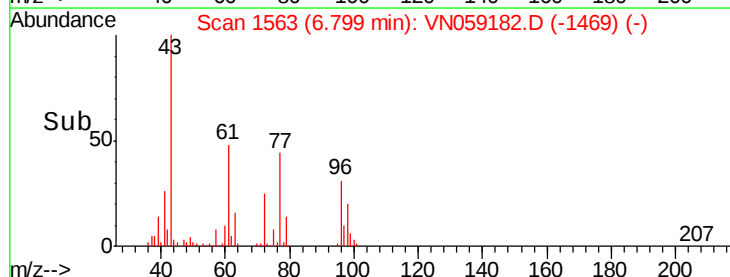
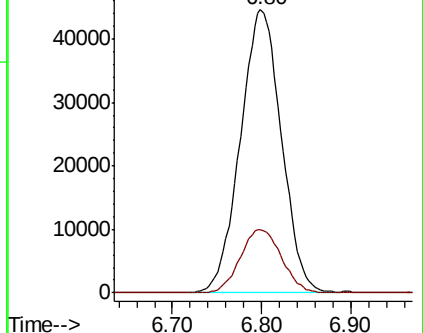
77 100

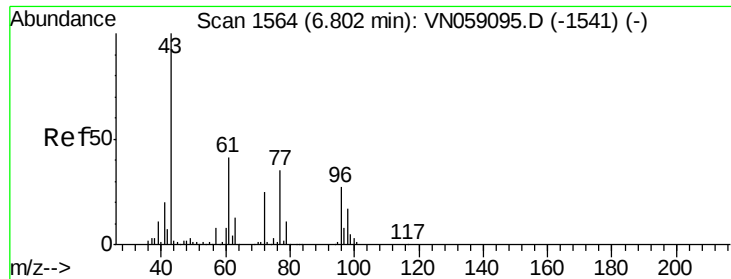
97 22.5 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.918 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

VN1112WBS01

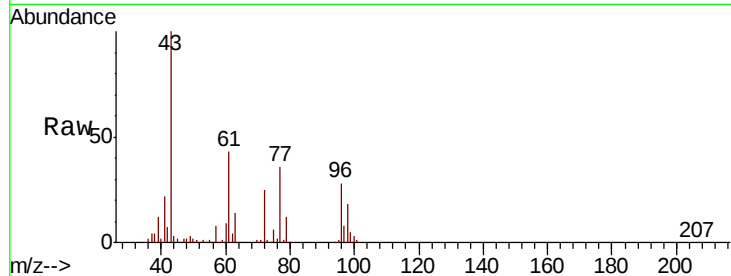
Tot Ion: 96 Resp: 96053

Ion Ratio Lower Upper

96 100

61 155.0 0.0 311.6

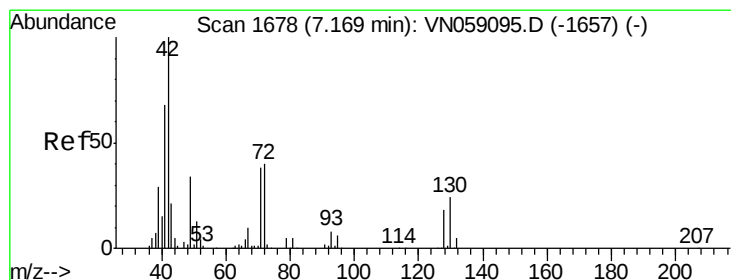
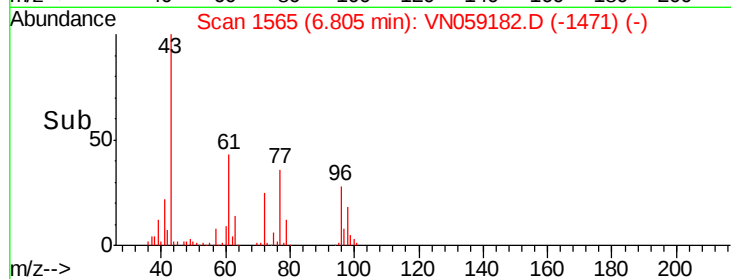
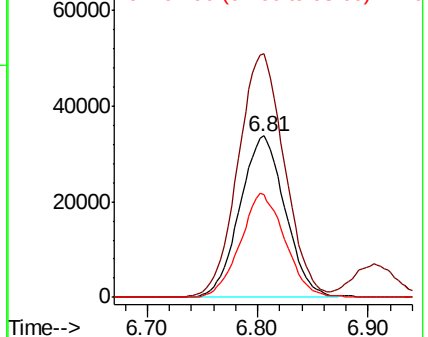
98 63.7 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059182.D (-1541) (-)

Ion 60.90 (60.60 to 61.60): VN059182.D (-1541) (-)

Ion 97.90 (97.60 to 98.60): VN059182.D (-1541) (-)



#28

Bromochloromethane

Concen: 20.053 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

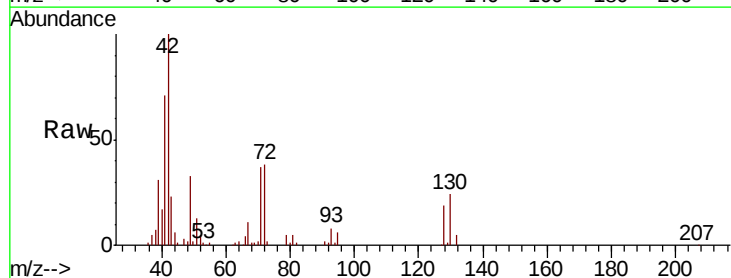
Tgt Ion: 49 Resp: 50628

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.8

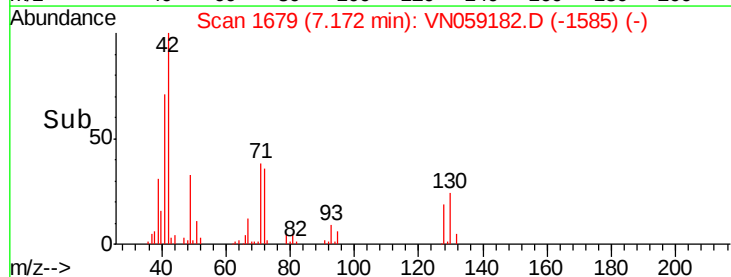
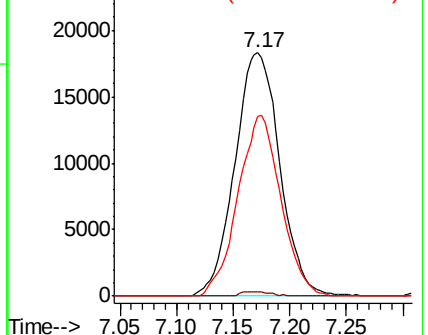
130 70.8 55.6 83.4

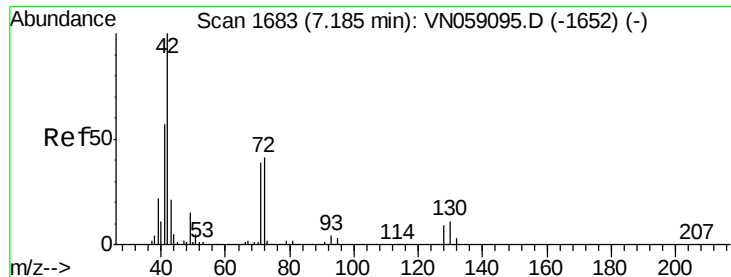


Abundance Ion 48.90 (48.60 to 49.60): VN059182.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059182.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059182.D (-1585) (-)

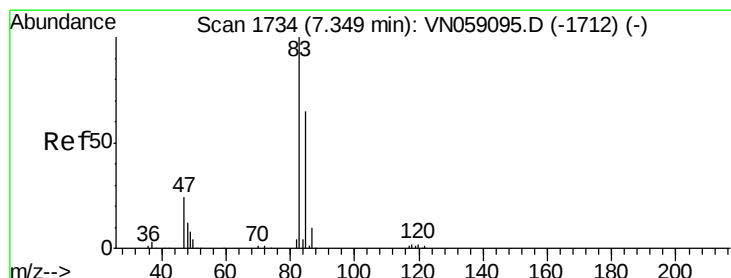
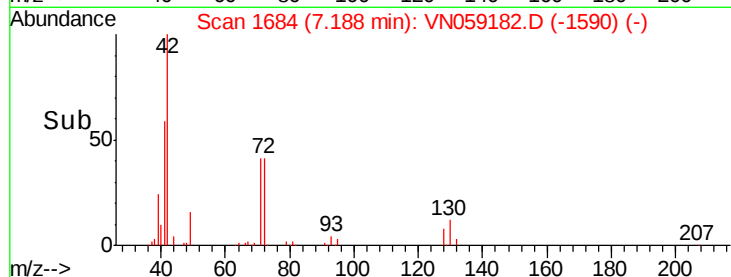
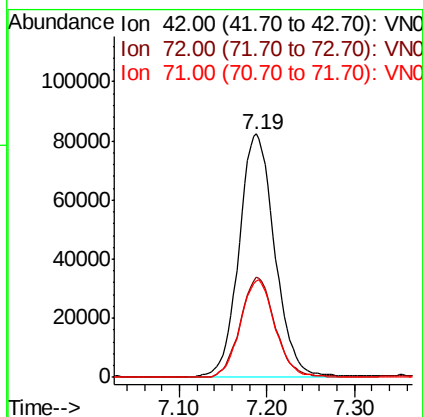
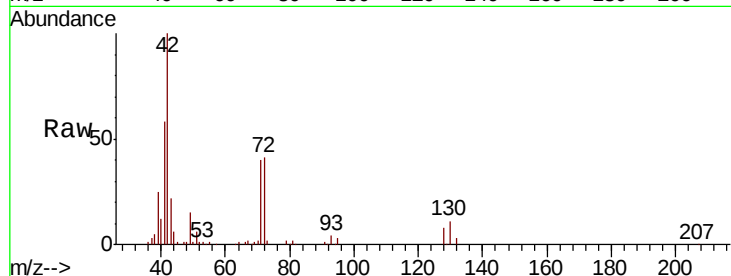




#29
Tetrahydrofuran
Concen: 104.191 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

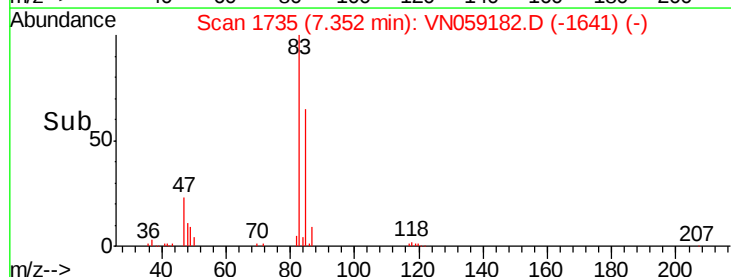
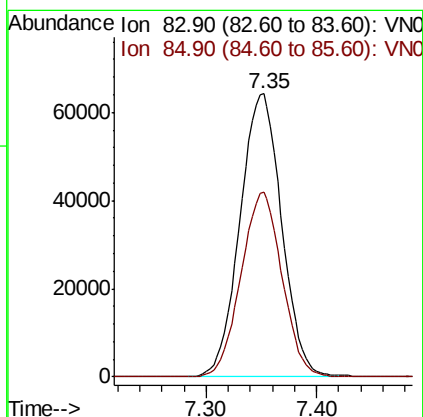
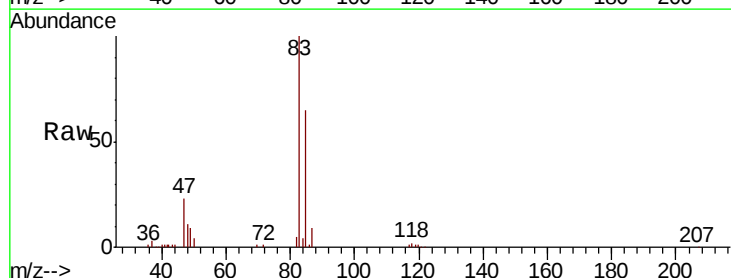
Instrument :
MSVOA_N
ClientSampled :
VN1112WBS01

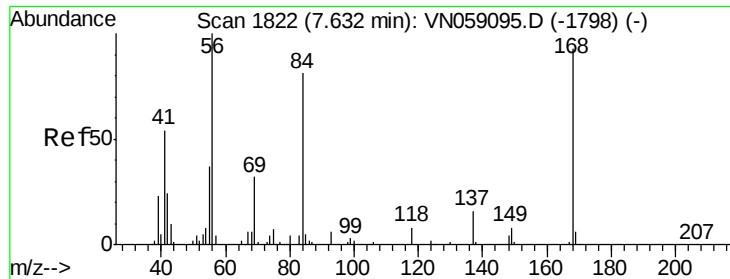
Tot Ion: 42 Resp: 231527
Ion Ratio Lower Upper
42 100
72 40.4 33.1 49.7
71 39.3 30.9 46.3



#30
Chloroform
Concen: 20.882 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion: 83 Resp: 168093
Ion Ratio Lower Upper
83 100
85 65.4 51.8 77.8

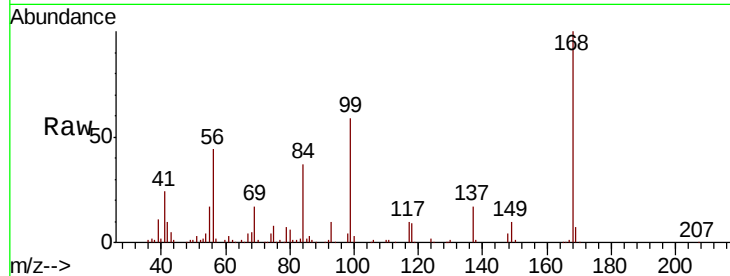




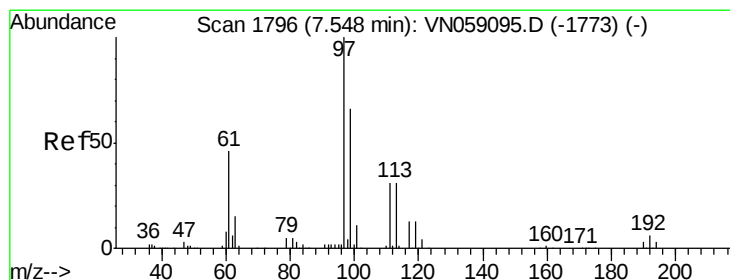
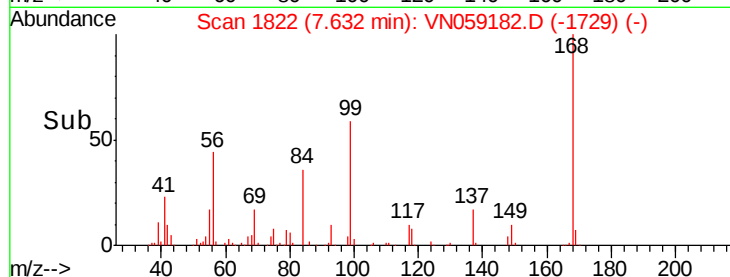
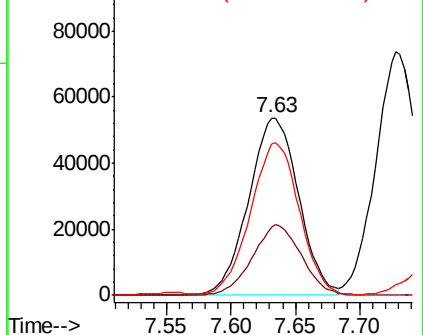
#31
Cyclohexane
Concen: 18.249 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion: 56 Resp: 144969
Ion Ratio Lower Upper
56 100
69 38.3 25.8 38.8
84 84.1 65.0 97.4

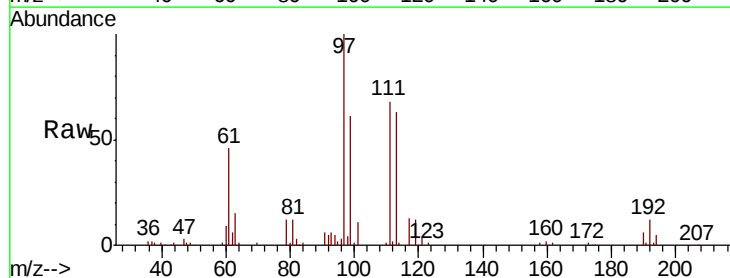


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

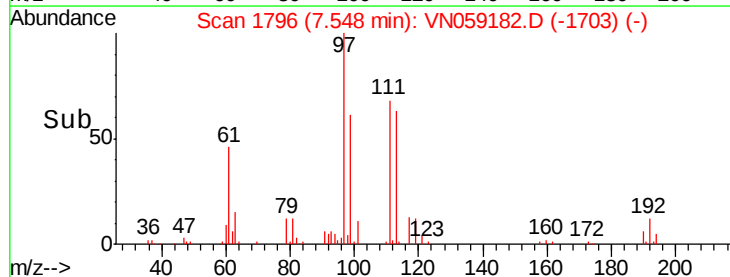
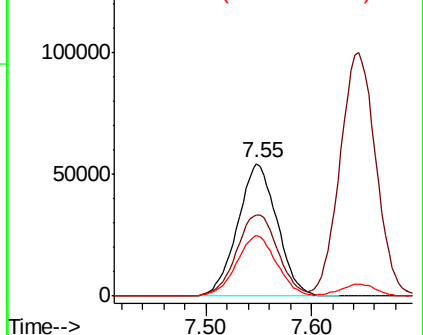


#32
1,1,1-Trichloroethane
Concen: 20.880 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion: 97 Resp: 141312
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 46.4 35.8 53.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.296 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

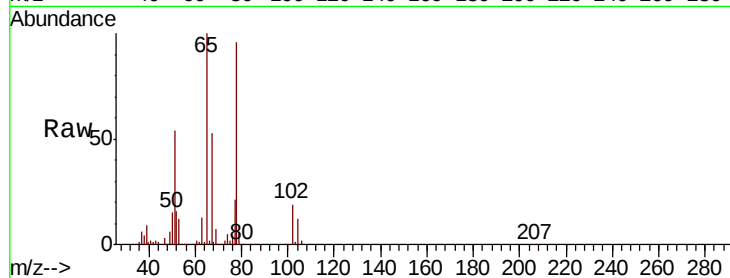
VN1112WBS01

Tot Ion: 65 Resp: 261752

Ion Ratio Lower Upper

65 100

67 52.9 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059095.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN059095.D (-1920) (-)

8.01

120000

100000

80000

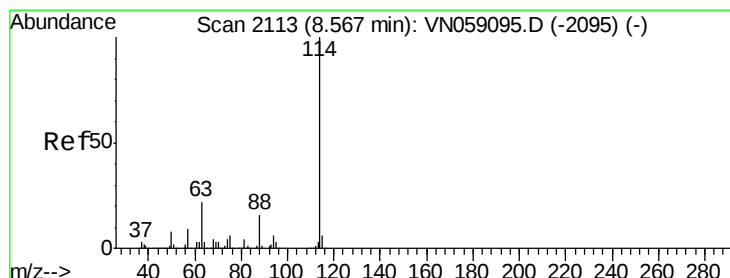
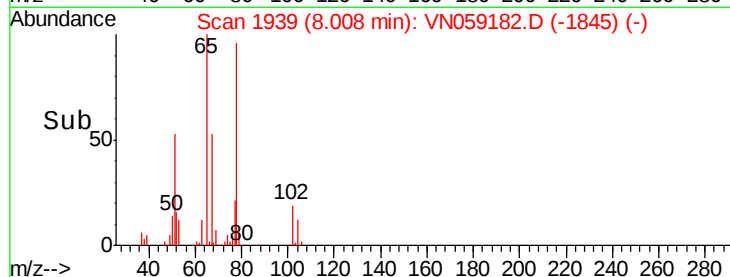
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

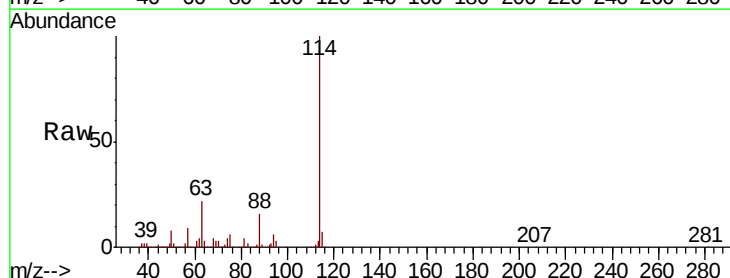
Tgt Ion:114 Resp: 651969

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.4

88 16.5 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059095.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN059095.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN059095.D (-2095) (-)

8.57

400000

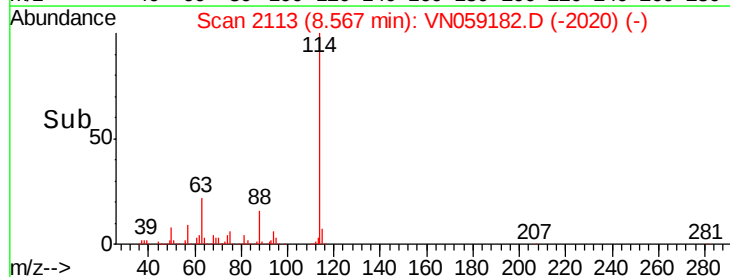
300000

200000

100000

0

Time-->

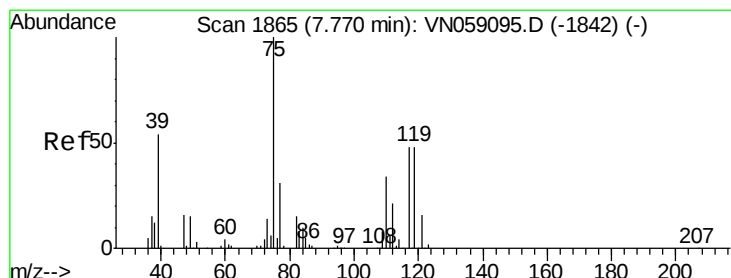
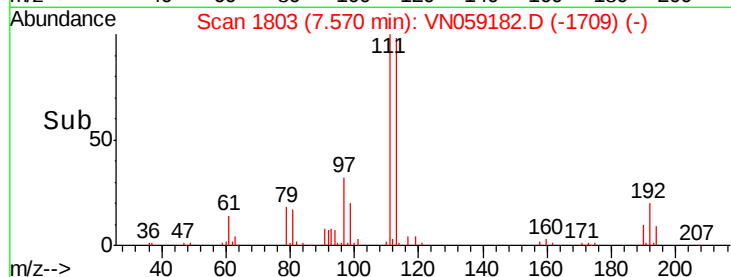
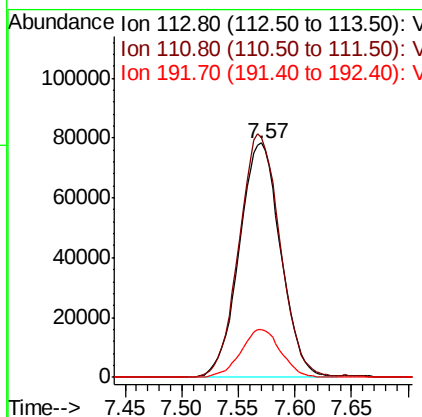
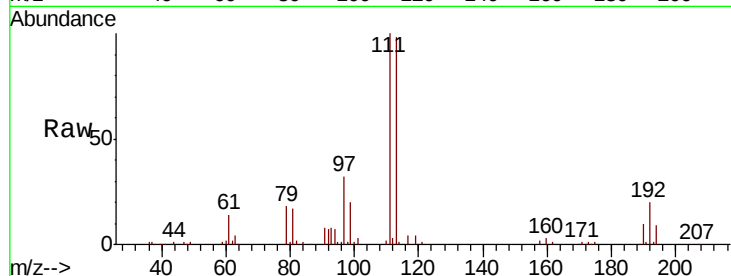




#35
 Dibromofluoromethane
 Concen: 51.049 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059182.D
 Acq: 12 Nov 2019 12:10

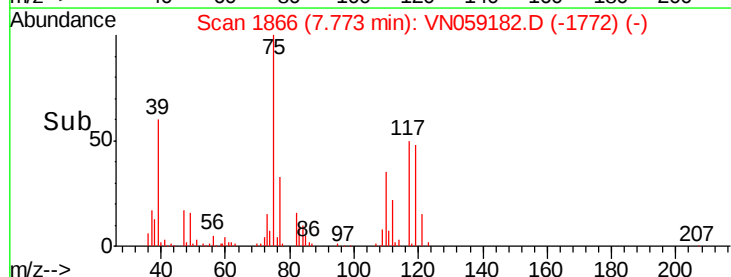
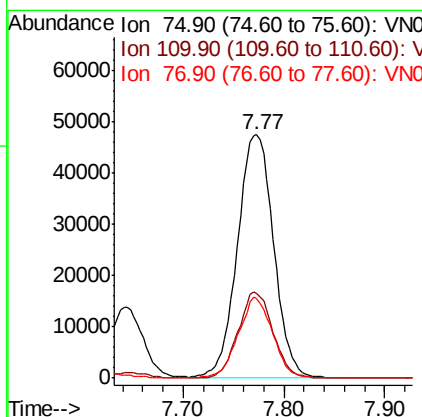
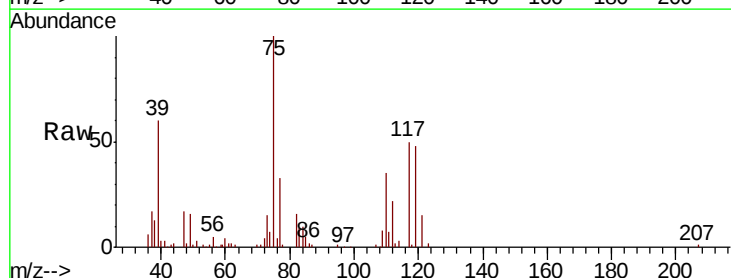
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

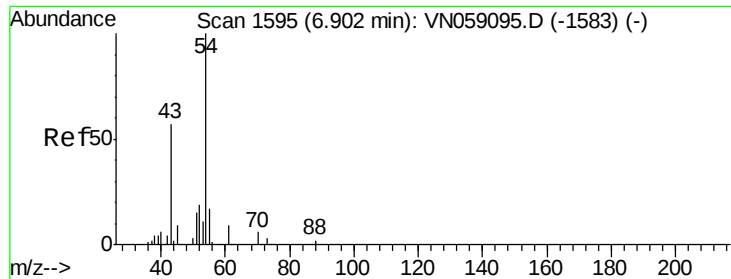
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.8	124.2
192	19.8	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 19.435 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059182.D
 Acq: 12 Nov 2019 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.1	51.2
77	31.3	24.8	37.2

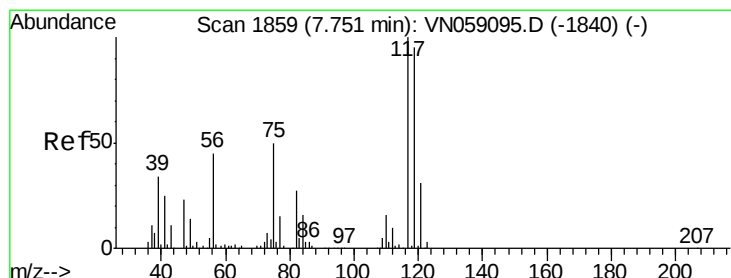
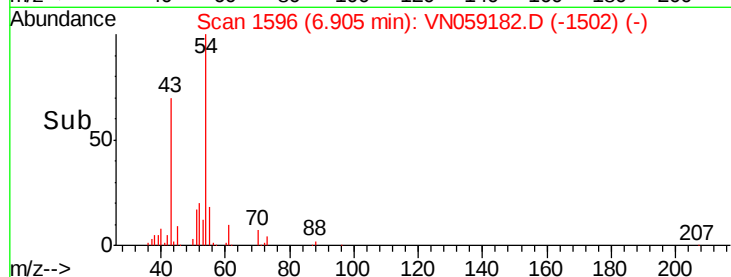
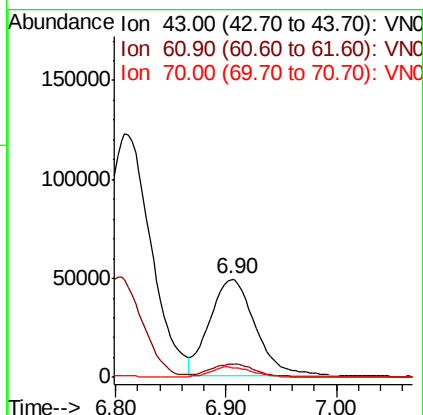
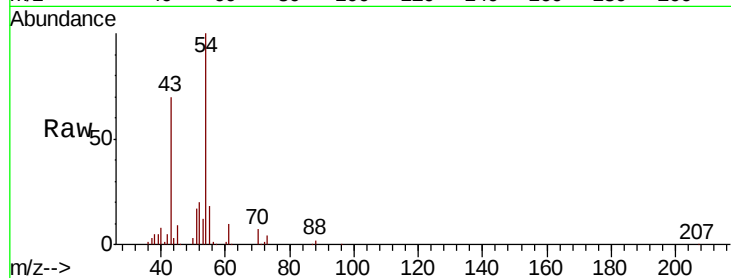




#37
Ethyl Acetate
Concen: 20.742 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

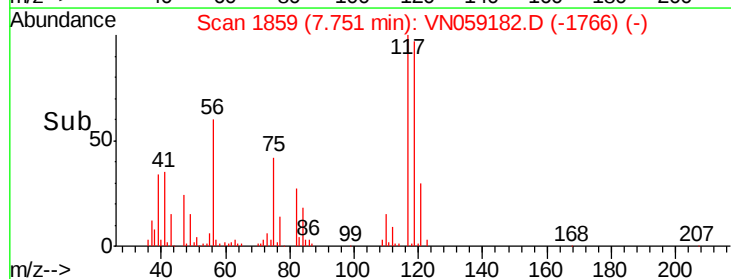
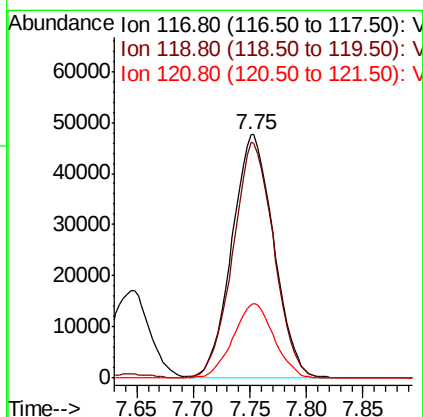
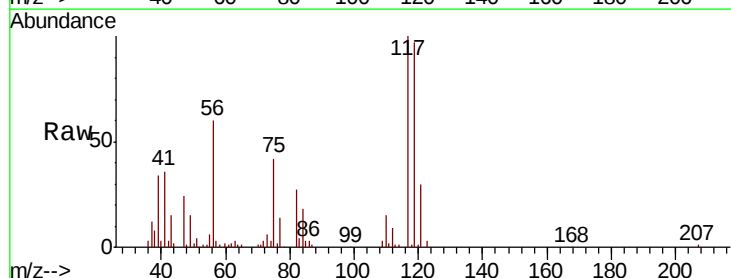
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

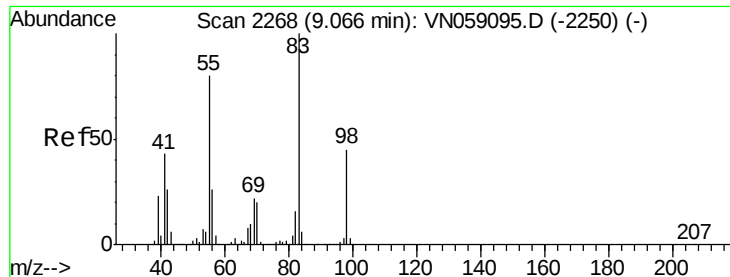
Tot Ion: 43 Resp: 140619
Ion Ratio Lower Upper
43 100
61 14.2 11.2 16.8
70 10.0 7.8 11.8



#38
Carbon Tetrachloride
Concen: 20.231 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion: 117 Resp: 122711
Ion Ratio Lower Upper
117 100
119 96.8 75.6 113.4
121 29.9 24.6 36.8

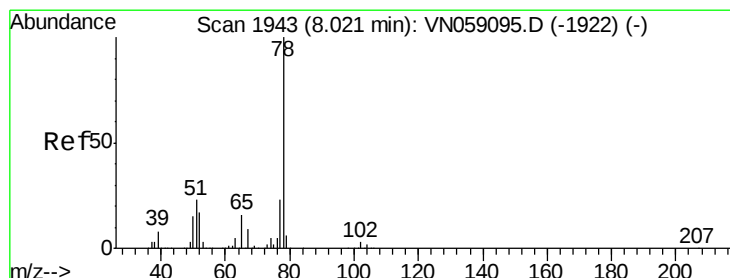
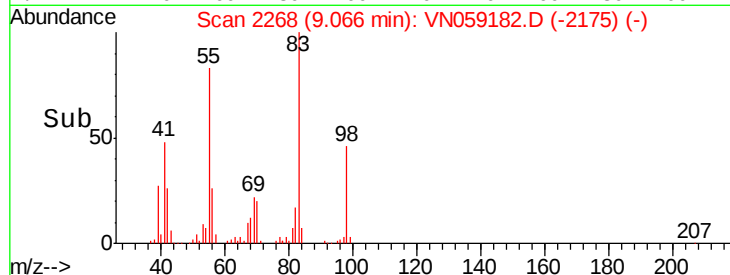
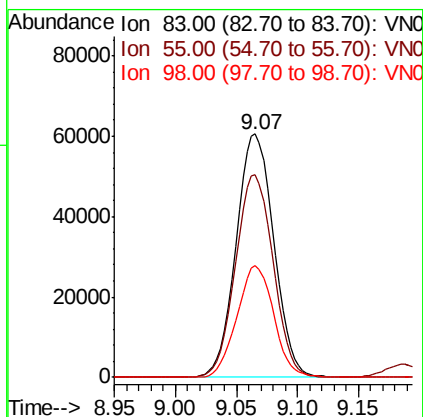
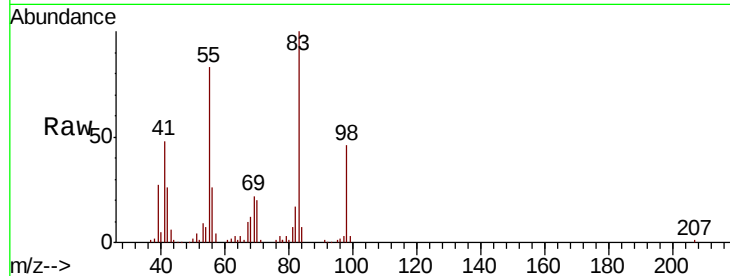




#39
Methvlcvclohexane
Concen: 18.309 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

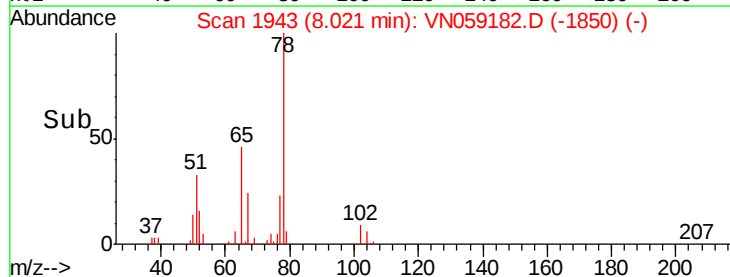
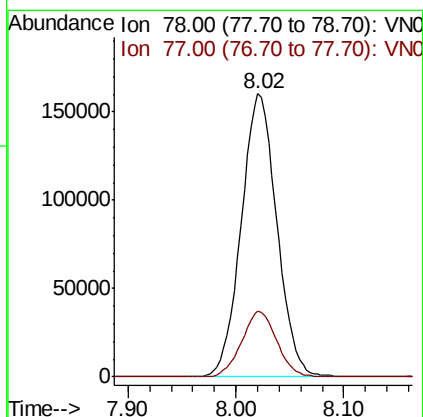
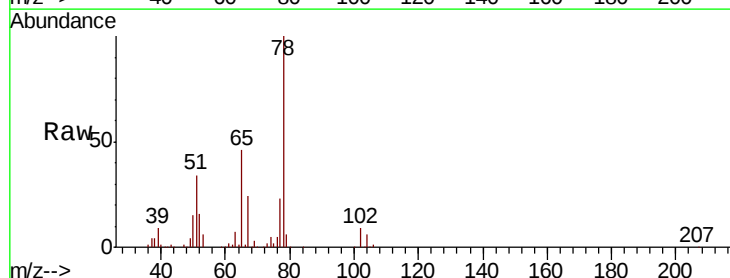
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

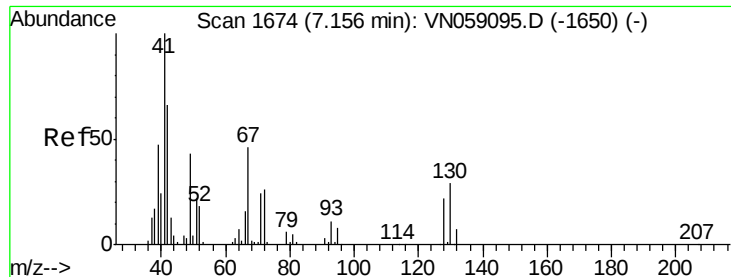
Tot Ion: 83 Resp: 129494
Ion Ratio Lower Upper
83 100
55 83.1 63.9 95.9
98 46.0 35.6 53.4



#40
Benzene
Concen: 20.049 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion: 78 Resp: 367921
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2





#41

Methacrylonitrile

Concen: 69.686 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.03 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

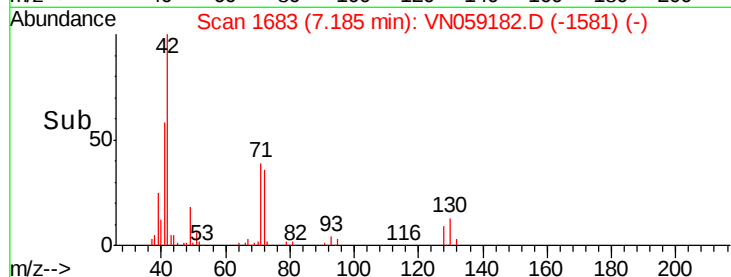
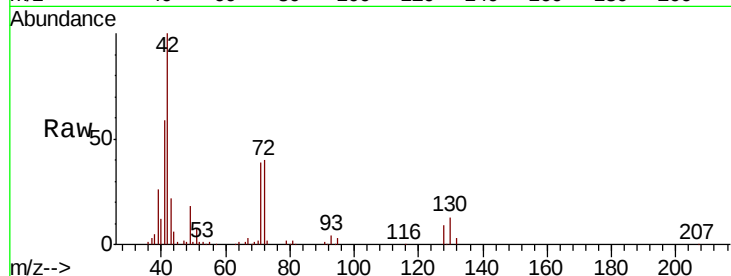
ClientSampled :

VN1112WBS01

Tot Ion: 41 Resp: 205433

Ion Ratio Lower Upper

41	100		
39	47.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

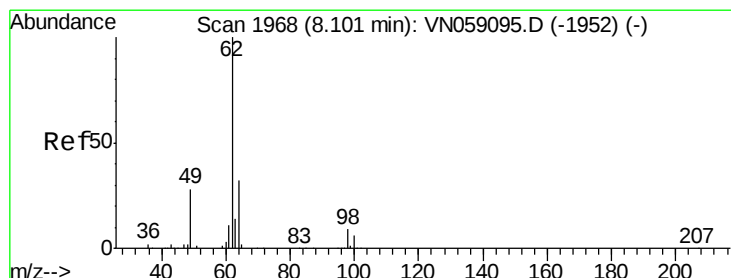
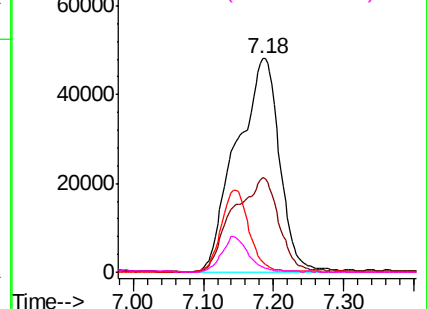


Abundance Ion 41.00 (40.70 to 41.70): VN0

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: 21.281 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

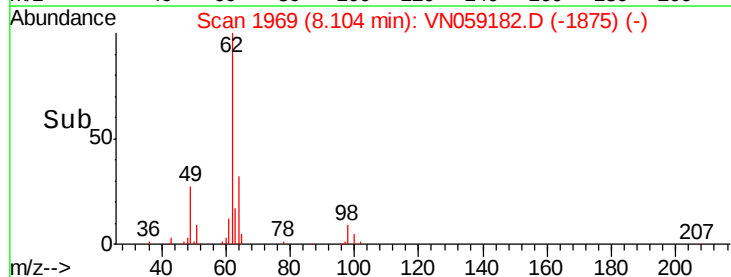
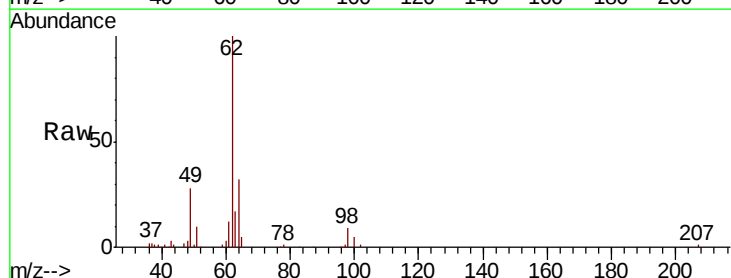
Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Tgt Ion: 62 Resp: 133943

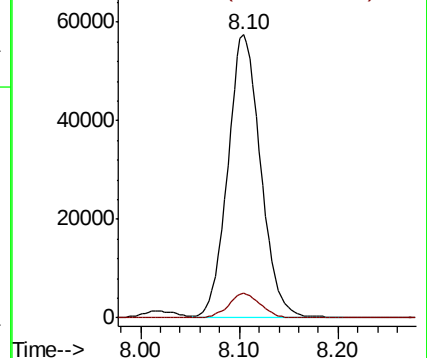
Ion Ratio Lower Upper

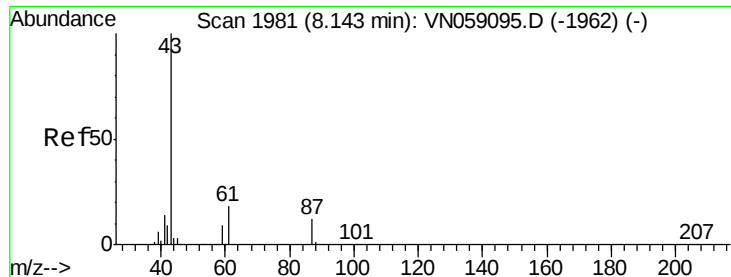
62	100		
98	8.3	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.143 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

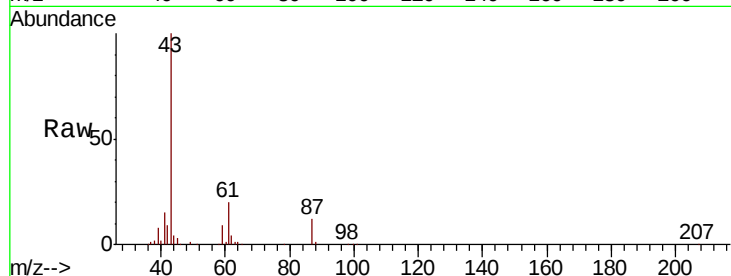
Tot Ion: 43 Resp: 217702

Ion Ratio Lower Upper

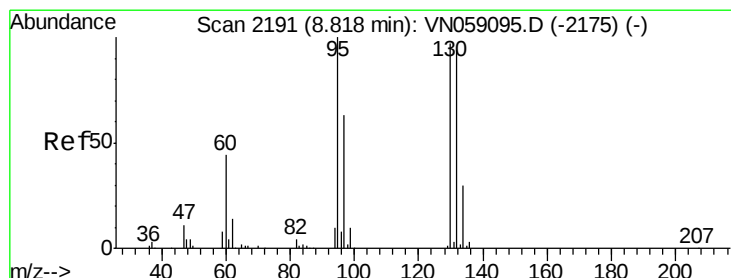
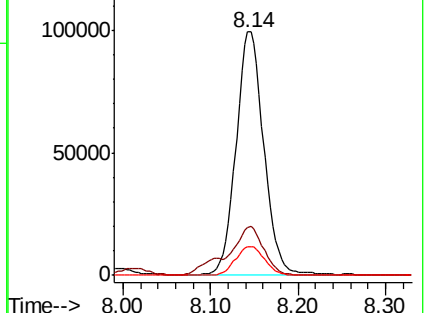
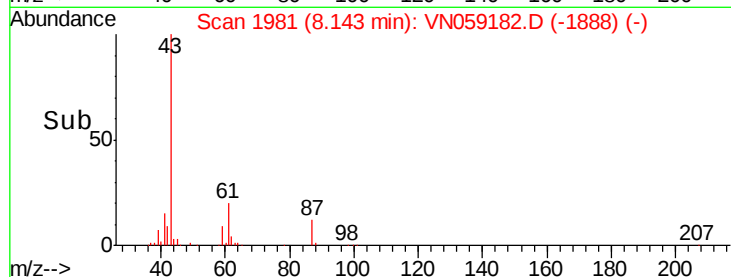
43 100

61 20.4 21.0 31.6#

87 12.4 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059182.D (-1888) (-)



#44

Trichloroethene

Concen: 19.712 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059182.D

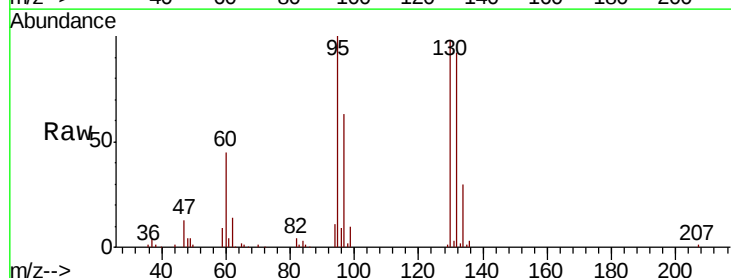
Acq: 12 Nov 2019 12:10

Tgt Ion:130 Resp: 88923

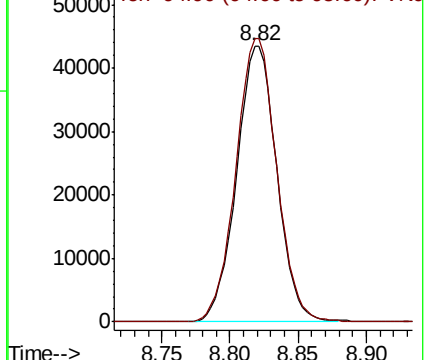
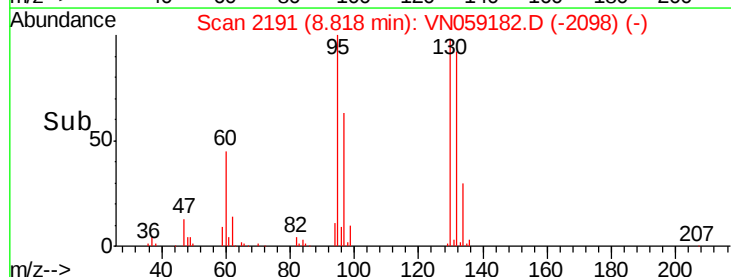
Ion Ratio Lower Upper

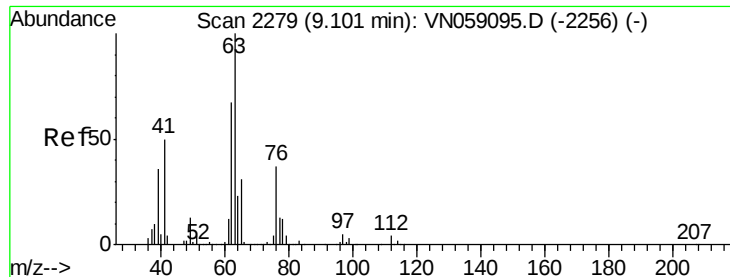
130 100

95 102.5 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059182.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 20.055 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

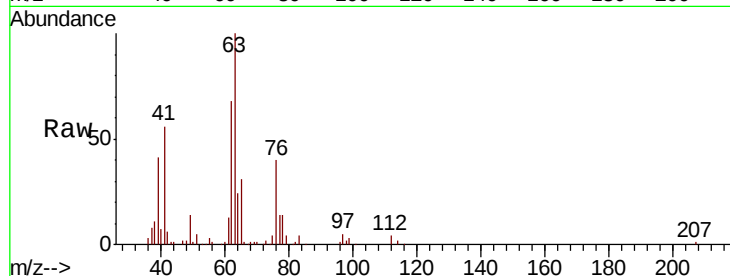
VN1112WBS01

Tot Ion: 63 Resp: 99964

Ion Ratio Lower Upper

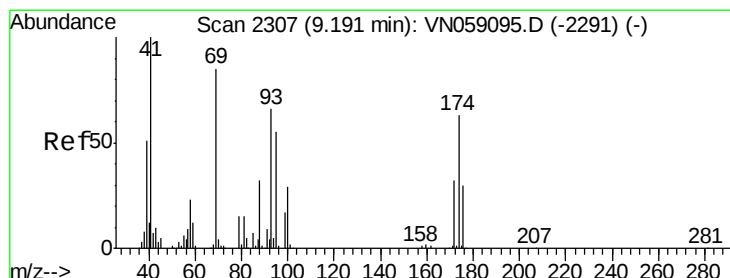
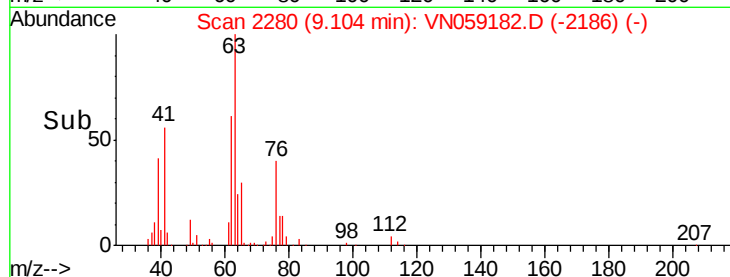
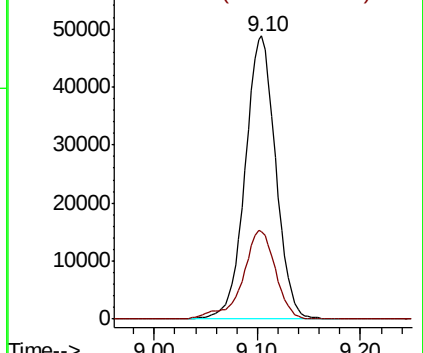
63 100

65 31.1 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.244 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

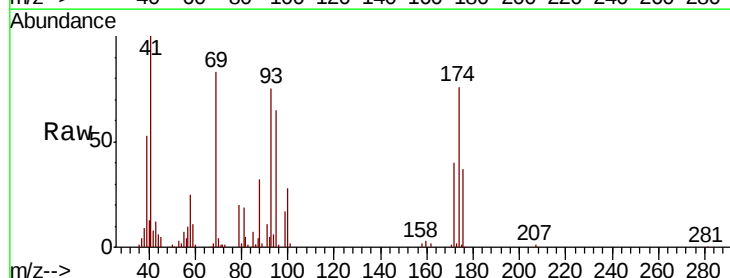
Tgt Ion: 93 Resp: 62879

Ion Ratio Lower Upper

93 100

95 82.6 66.6 100.0

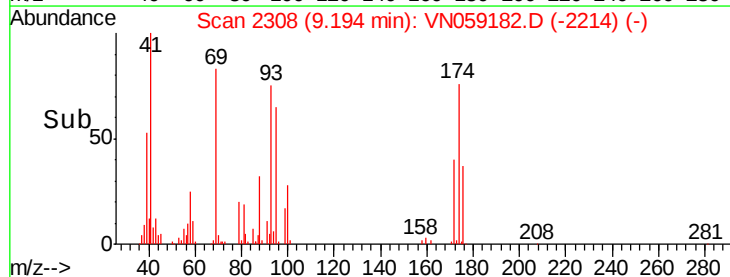
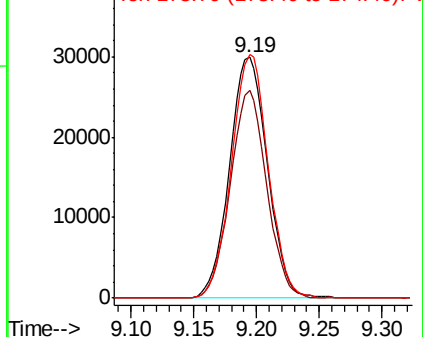
174 98.1 78.2 117.2

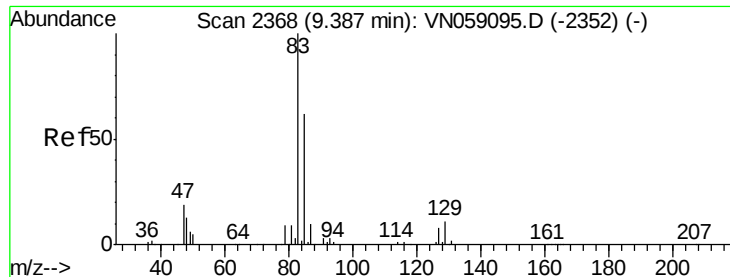


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.584 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

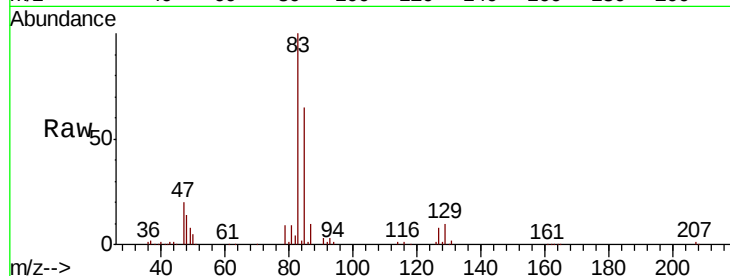
Tot Ion: 83 Resp: 127672

Ion Ratio Lower Upper

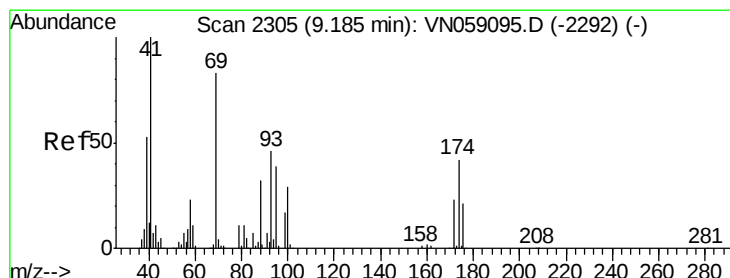
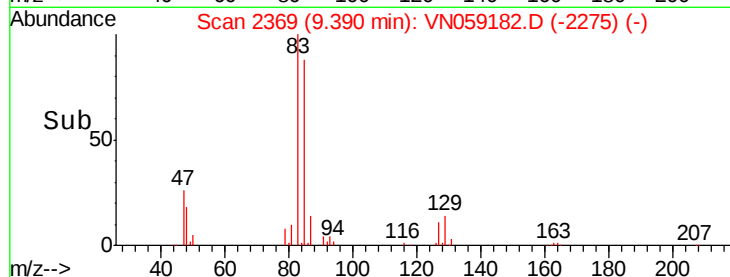
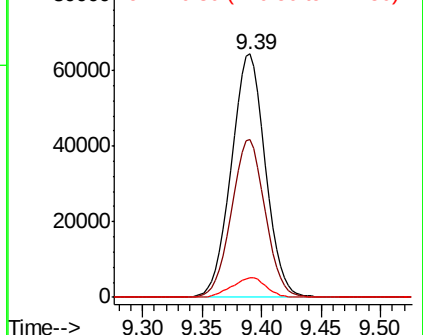
83 100

85 65.1 49.7 74.5

127 8.0 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): V



#48

Methyl methacrylate

Concen: 20.111 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

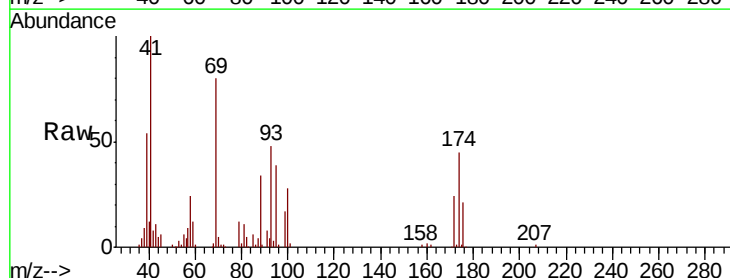
Tgt Ion: 41 Resp: 97224

Ion Ratio Lower Upper

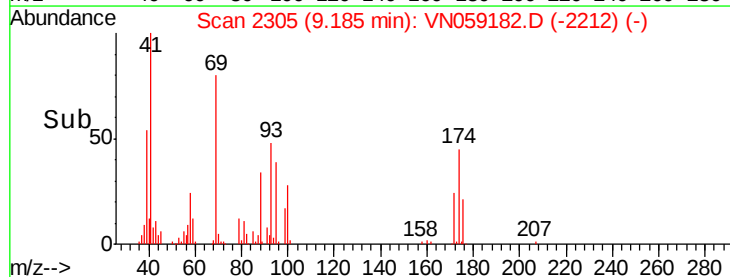
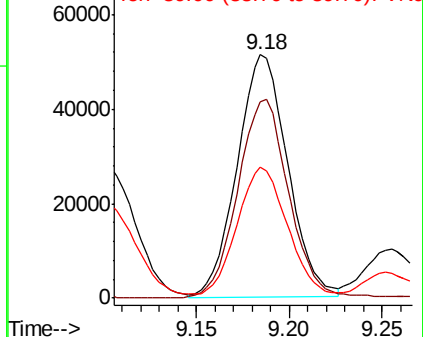
41 100

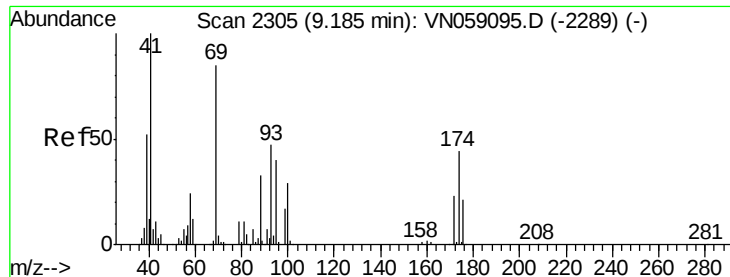
69 82.9 67.3 100.9

39 54.4 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

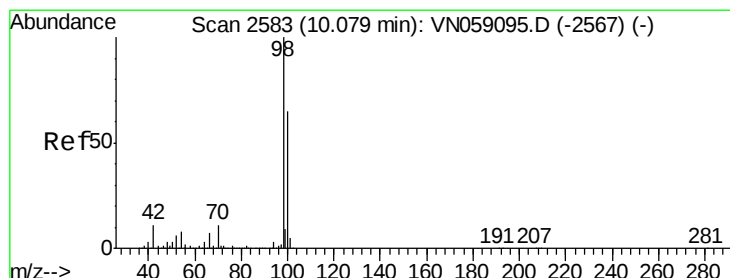
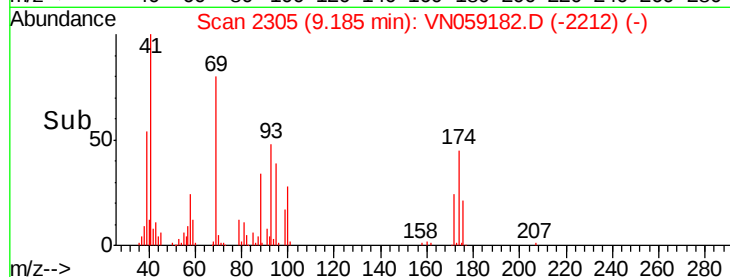
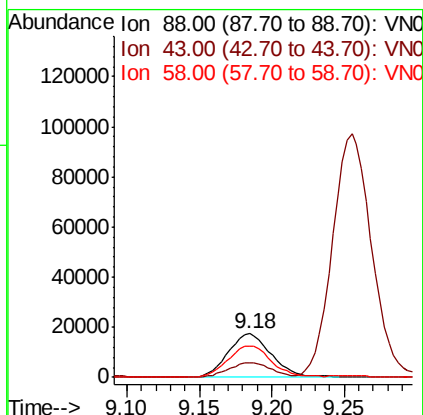
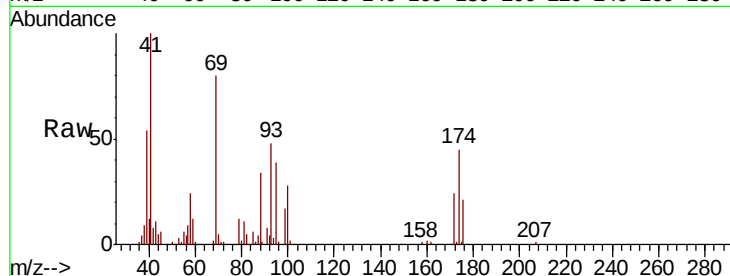




#49
1,4-Dioxane
Concen: 421.045 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

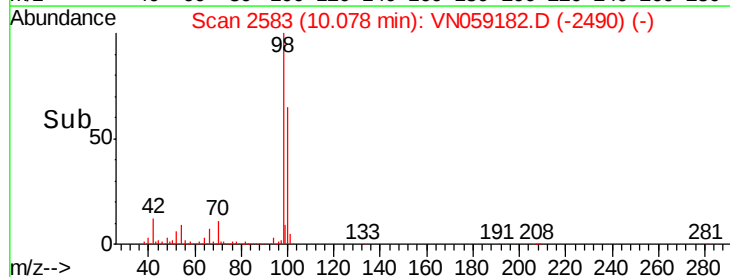
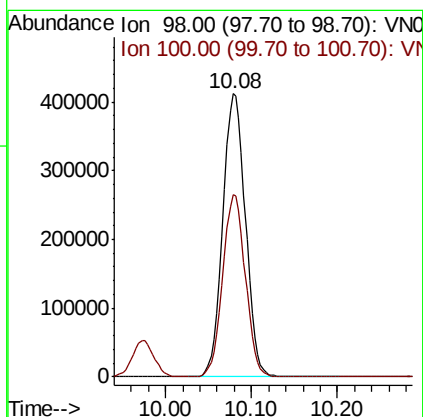
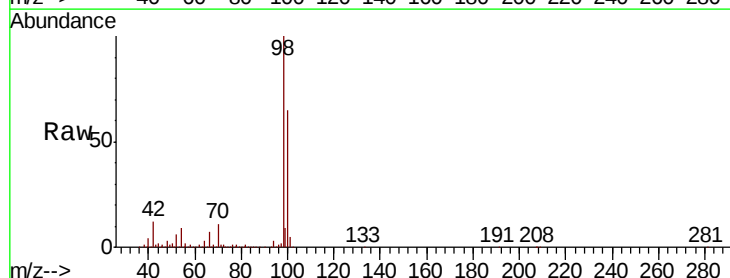
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

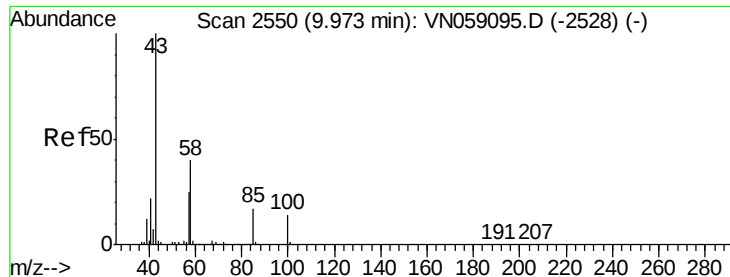
Tot Ion: 88 Resp: 36174
Ion Ratio Lower Upper
88 100
43 33.1 26.3 39.5
58 72.1 60.6 90.8



#50
Toluene-d8
Concen: 49.251 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion: 98 Resp: 755200
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 113.804 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

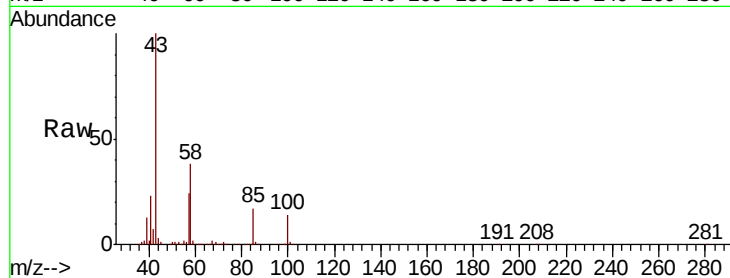
VN1112WBS01

Tot Ion: 43 Resp: 695969

Ion Ratio Lower Upper

43 100

58 38.0 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

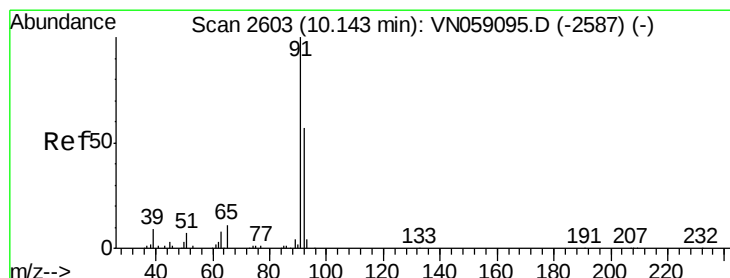
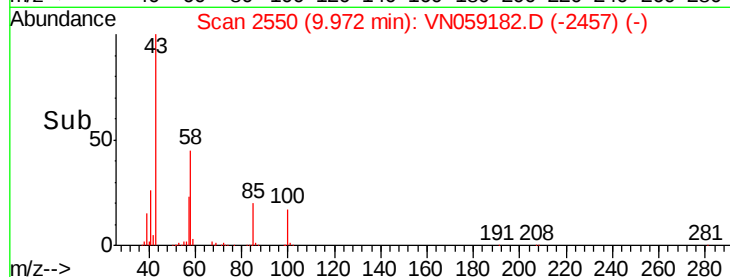
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.049 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059182.D

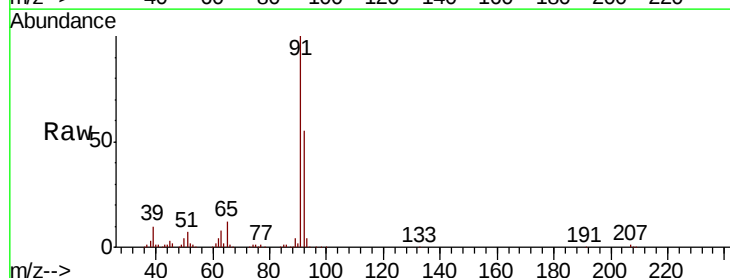
Acq: 12 Nov 2019 12:10

Tgt Ion: 92 Resp: 220521

Ion Ratio Lower Upper

92 100

91 176.3 139.5 209.3



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

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

250000

200000

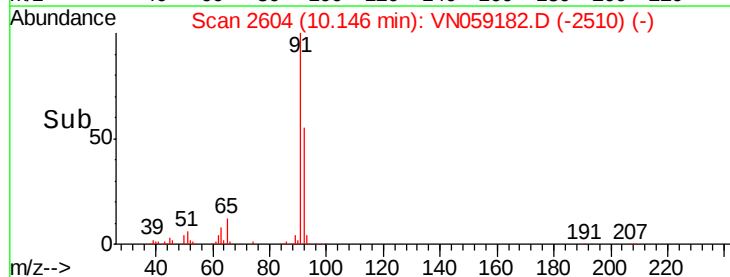
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.563 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

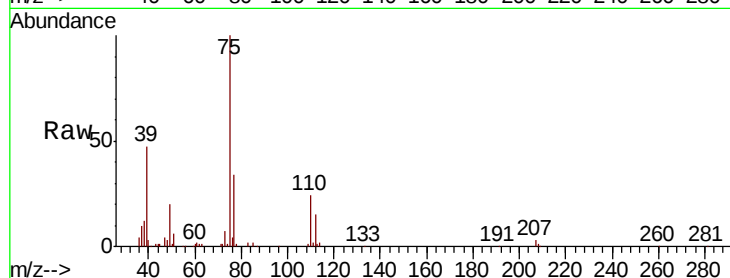
VN1112WBS01

Tot Ion: 75 Resp: 140187

Ion Ratio Lower Upper

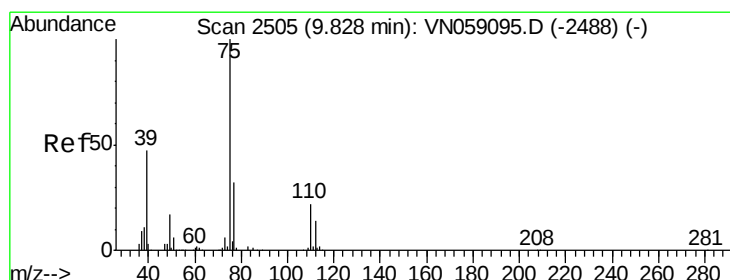
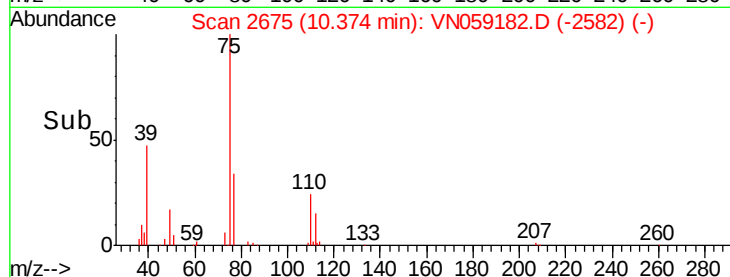
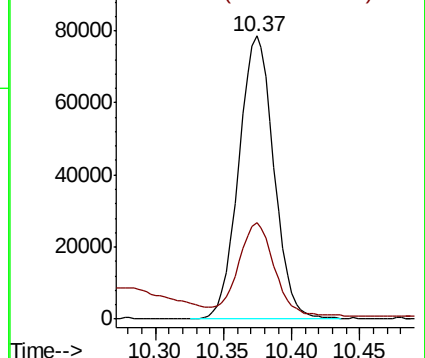
75 100

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



#54

cis-1,3-Dichloropropene

Concen: 19.912 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

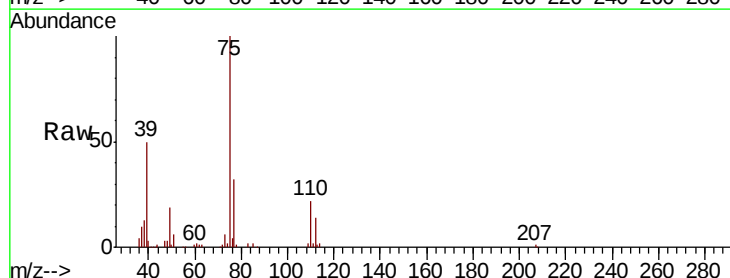
Tgt Ion: 75 Resp: 153485

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

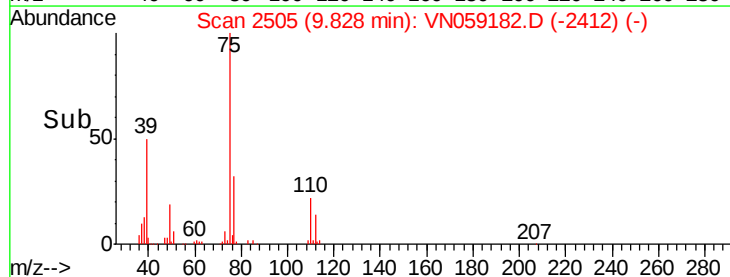
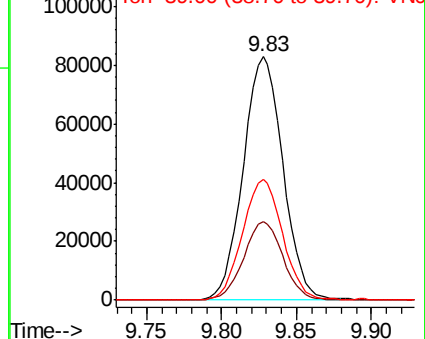
39 49.7 37.3 55.9



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





#55

1,1,2-Trichloroethane

Concen: 20.085 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 97 Resp: 89407

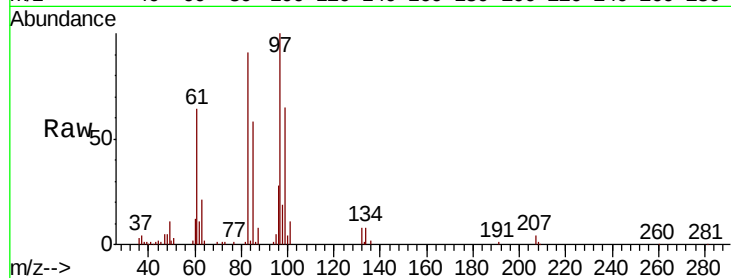
Ion Ratio Lower Upper

97 100

83 91.3 71.0 106.4

85 58.3 45.8 68.8

99 64.9 49.4 74.0

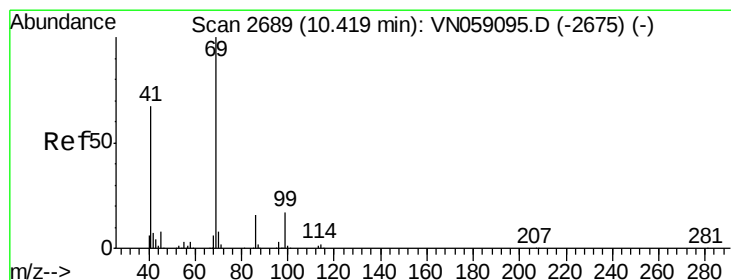
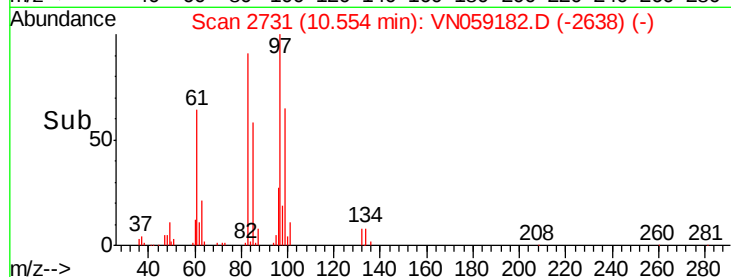
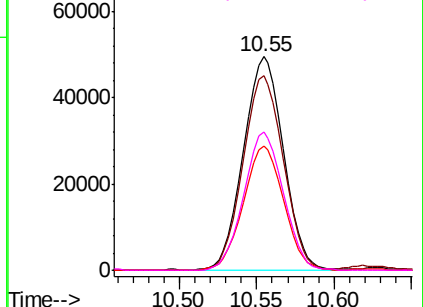


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 18.785 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

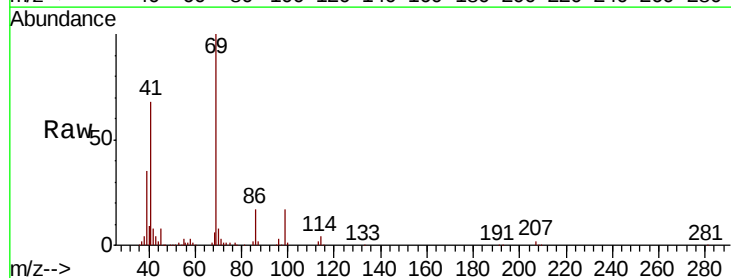
Tgt Ion: 69 Resp: 130449

Ion Ratio Lower Upper

69 100

41 70.2 53.6 80.4

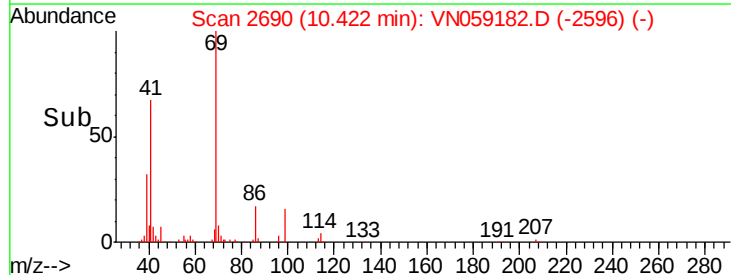
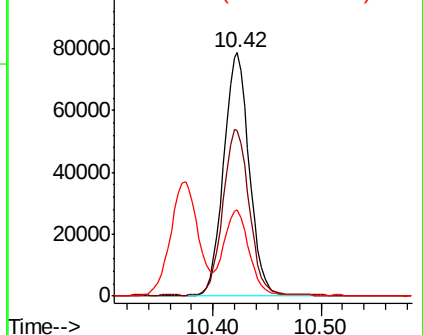
39 34.9 26.2 39.4

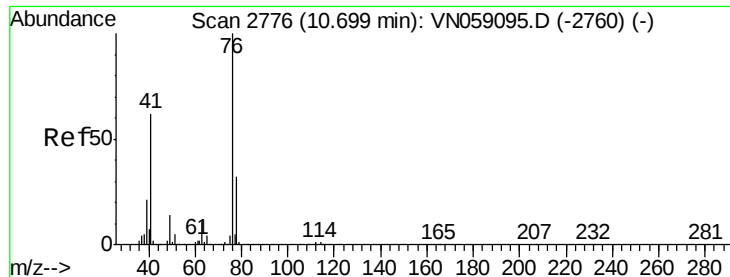


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 20.534 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

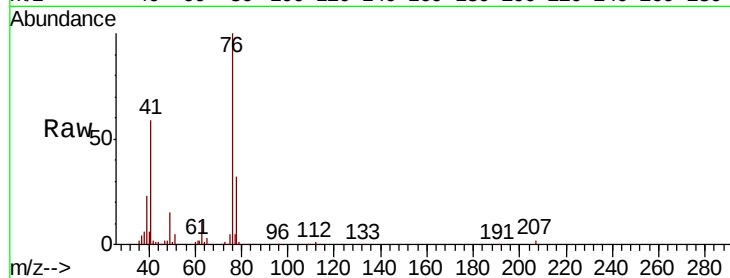
VN1112WBS01

Tot Ion: 76 Resp: 157322

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

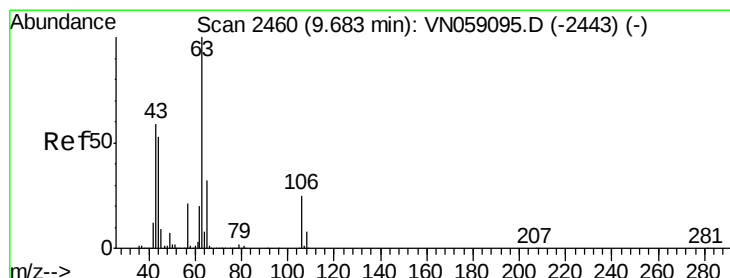
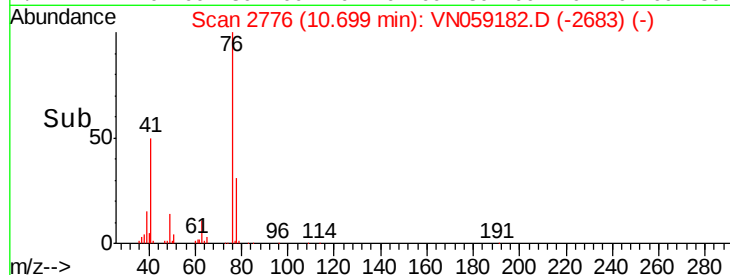
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 97.259 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059182.D

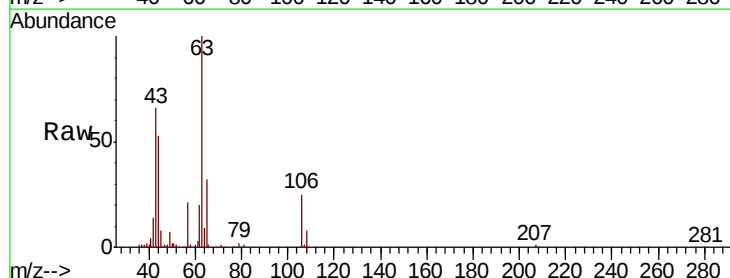
Acq: 12 Nov 2019 12:10

Tgt Ion: 63 Resp: 240945

Ion Ratio Lower Upper

63 100

106 24.5 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

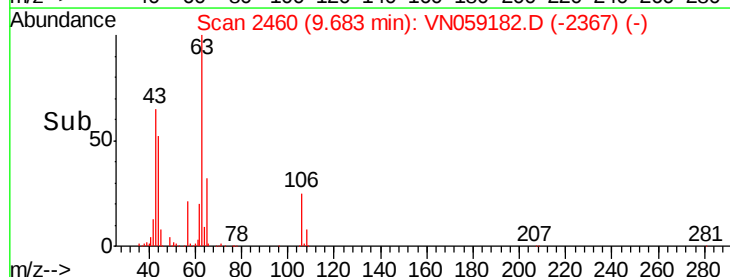
150000

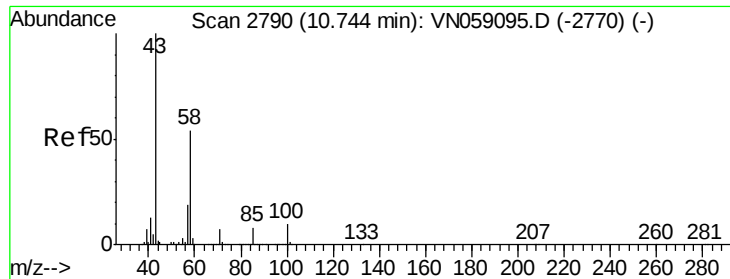
100000

50000

0

Time--> 9.60 9.70 9.80

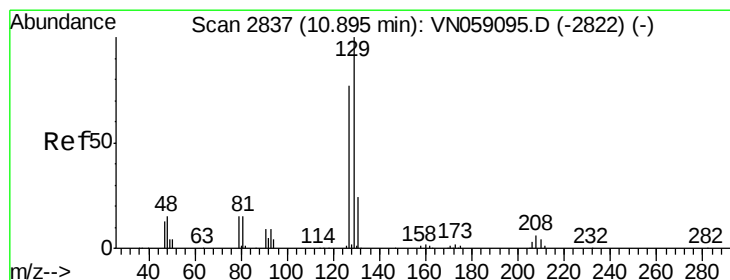
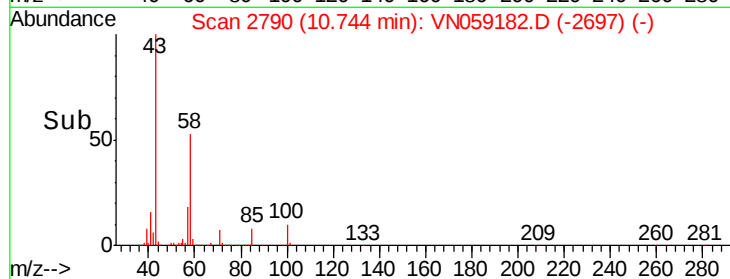
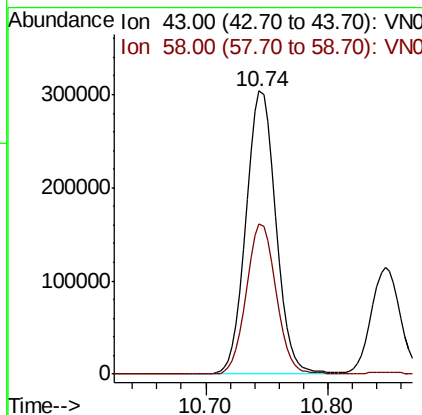
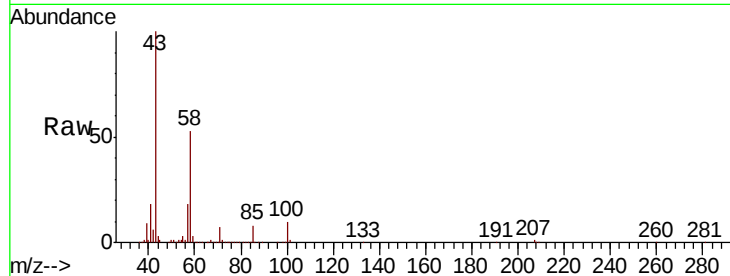




#59
2-Hexanone
Concen: 108.657 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

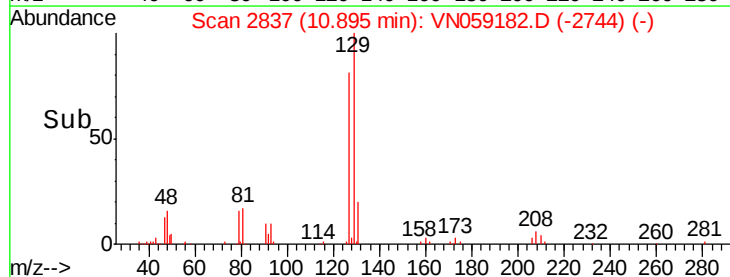
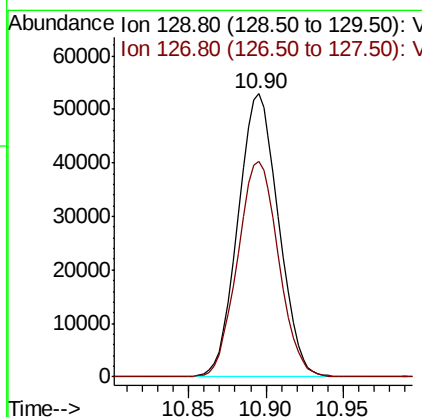
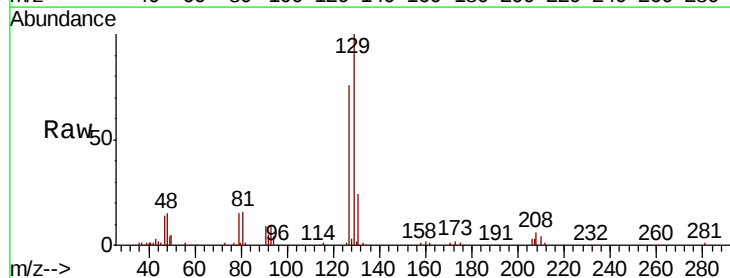
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

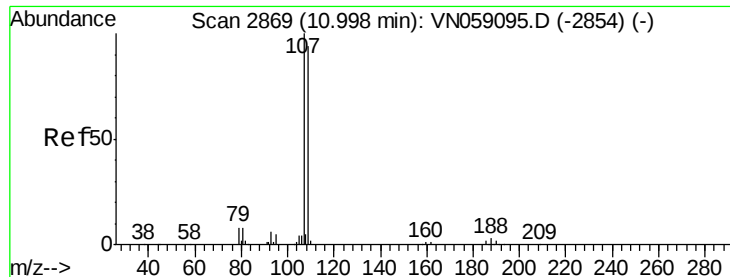
Tot Ion: 43 Resp: 510028
Ion Ratio Lower Upper
43 100
58 53.0 27.3 81.8



#60
Dibromochloromethane
Concen: 20.456 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion: 129 Resp: 96278
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8

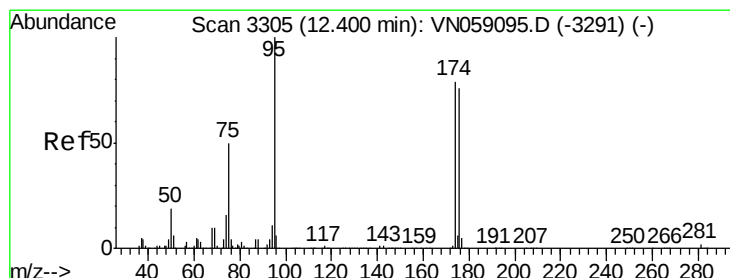
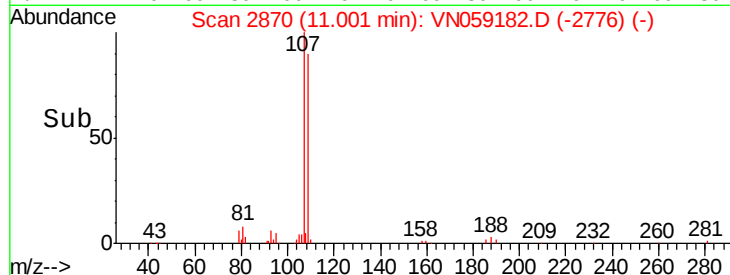
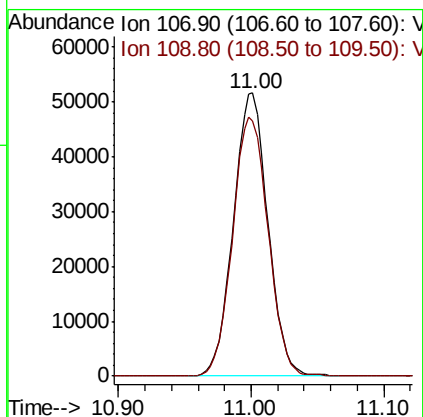
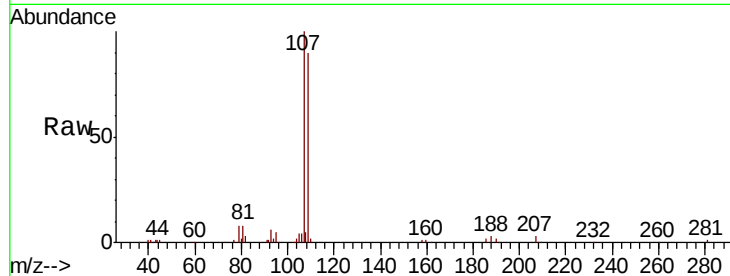




#61
 1,2-Dibromoethane
 Concen: 20.681 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059182.D
 Acq: 12 Nov 2019 12:10

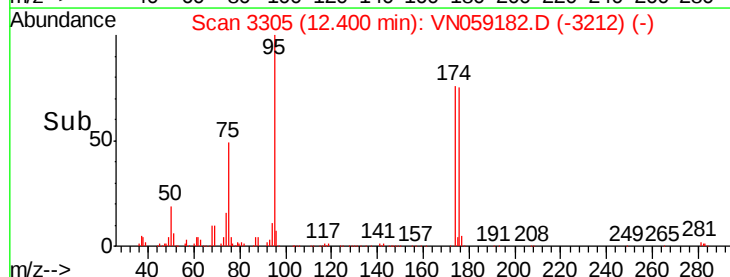
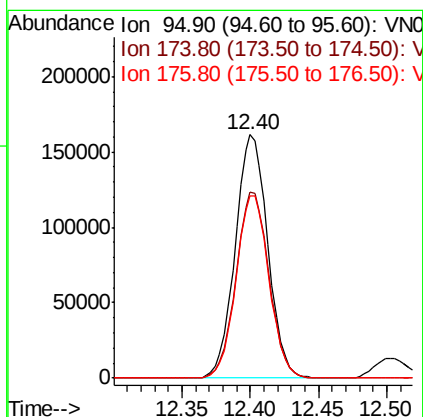
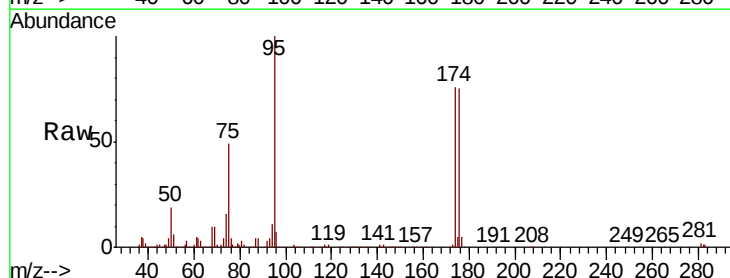
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Tot Ion:107 Resp: 93195
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 48.164 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059182.D
 Acq: 12 Nov 2019 12:10

Tgt Ion: 95 Resp: 266289
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 158.2
 176 76.0 0.0 151.8

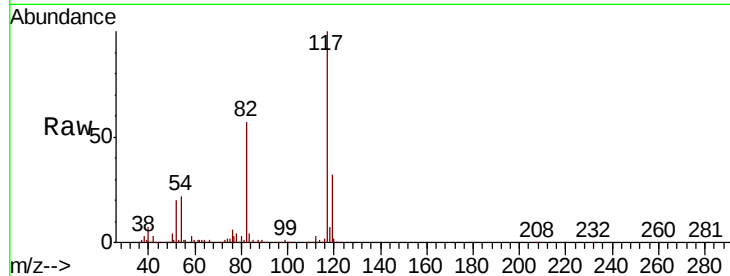




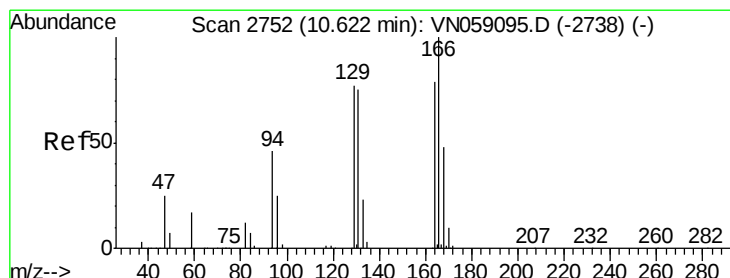
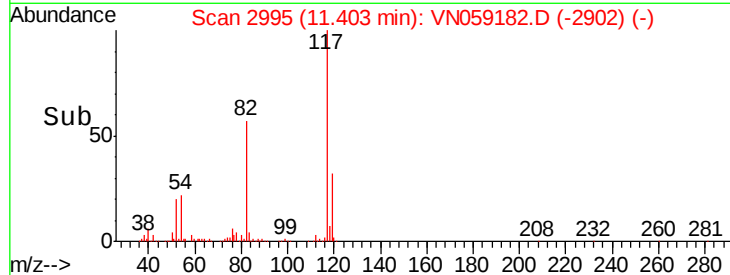
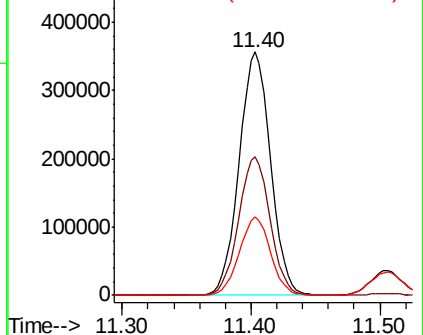
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion:117 Resp: 604506
Ion Ratio Lower Upper
117 100
82 56.9 45.8 68.8
119 32.0 25.8 38.6

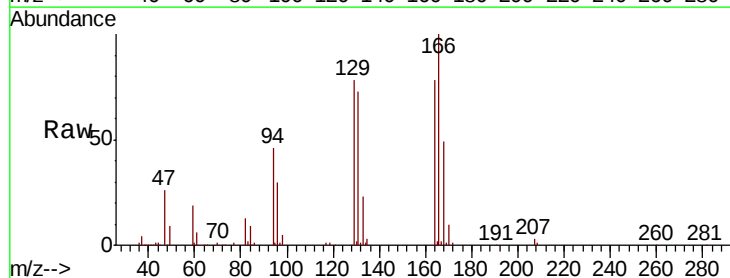


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

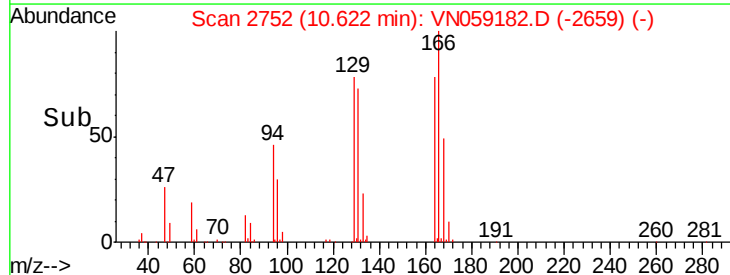
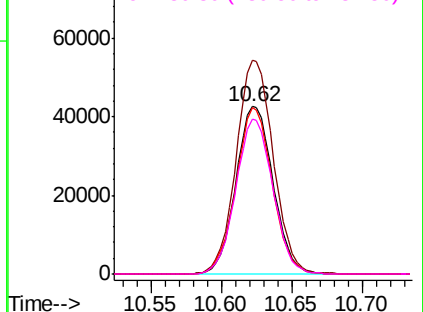


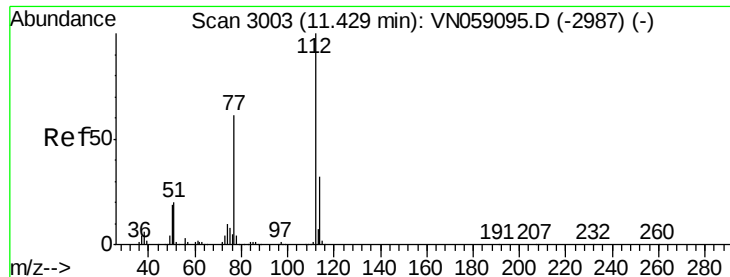
#64
Tetrachloroethene
Concen: 19.142 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion:164 Resp: 78686
Ion Ratio Lower Upper
164 100
166 127.4 101.5 152.3
129 99.1 78.3 117.5
131 92.7 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: 19.664 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

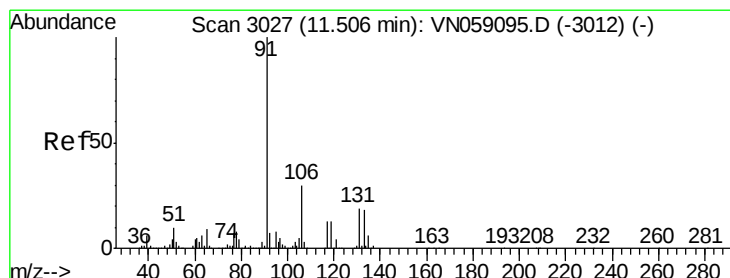
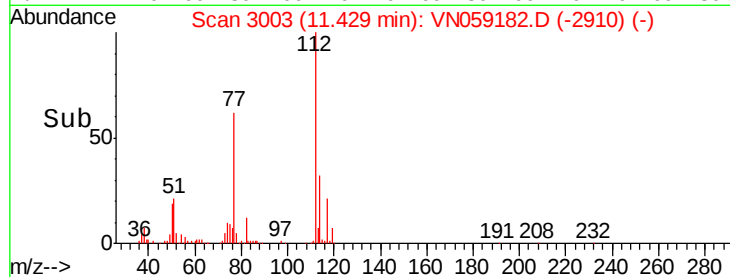
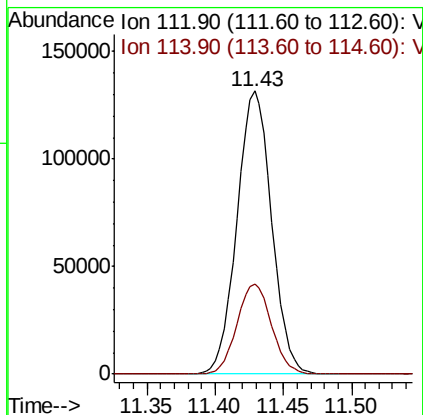
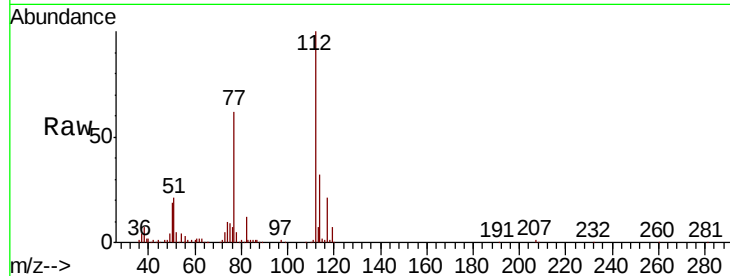
VN1112WBS01

Tot Ion:112 Resp: 231729

Ion Ratio Lower Upper

112 100

114 31.9 25.2 37.8



#66

1,1,1,2-Tetrachloroethane

Concen: 19.827 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

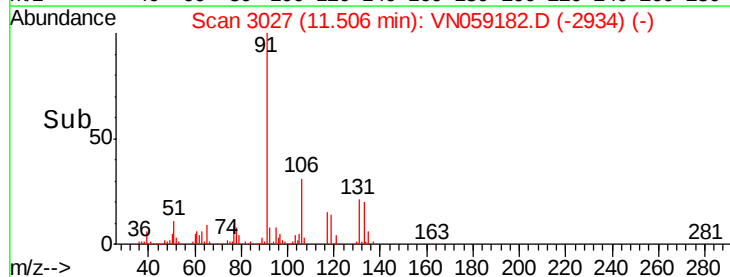
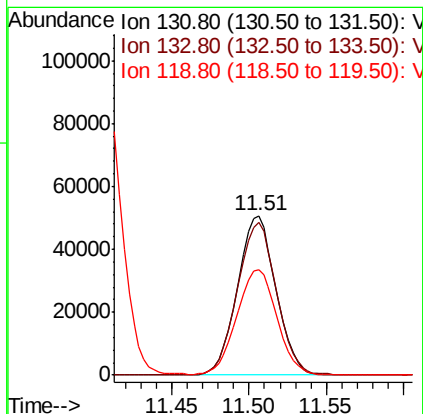
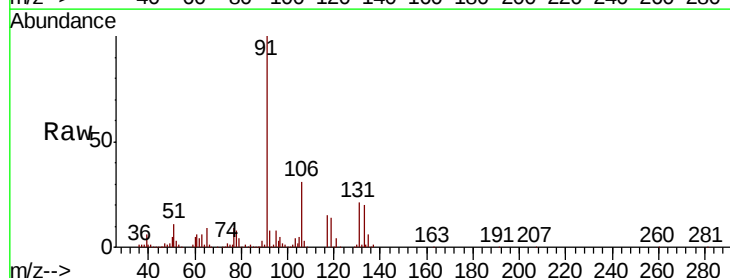
Tgt Ion:131 Resp: 87646

Ion Ratio Lower Upper

131 100

133 98.0 47.4 142.3

119 68.8 33.2 99.6





#67

Ethyl Benzene

Concen: 19.638 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

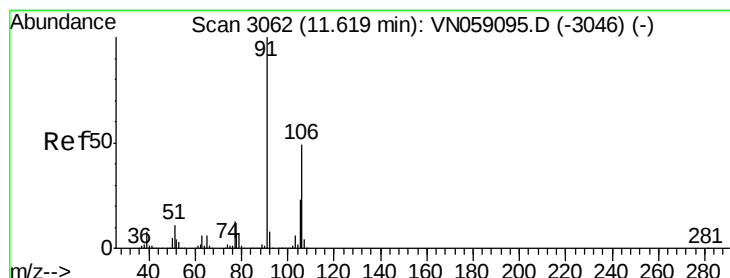
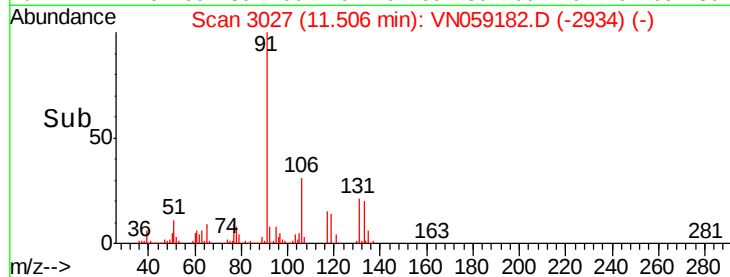
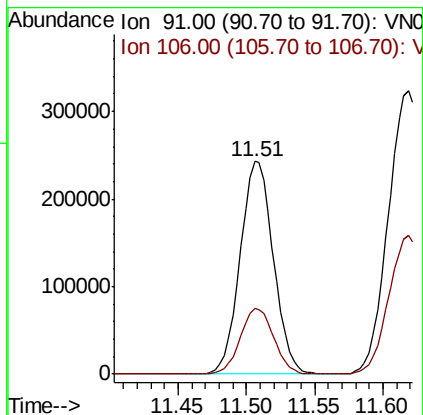
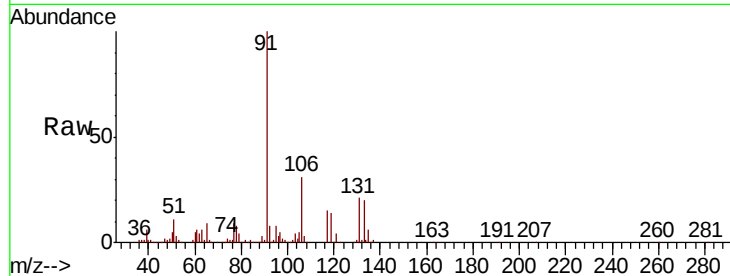
VN1112WBS01

Tot Ion: 91 Resp: 410593

Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1



#68

m/p-Xylenes

Concen: 38.936 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059182.D

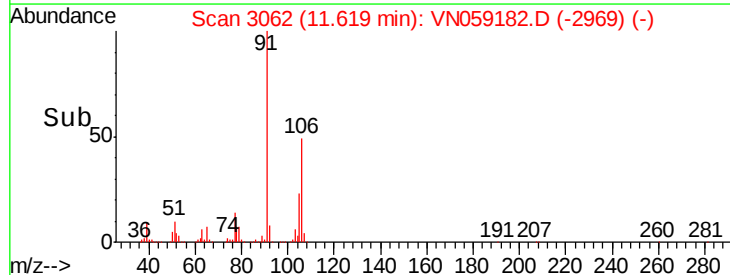
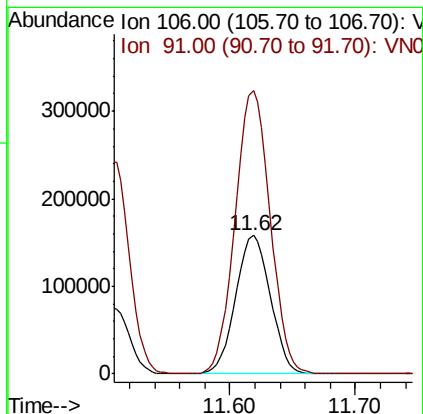
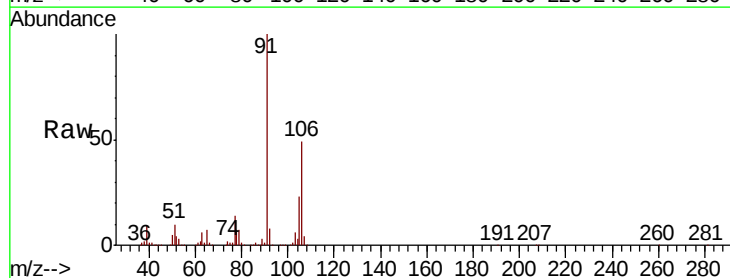
Acq: 12 Nov 2019 12:10

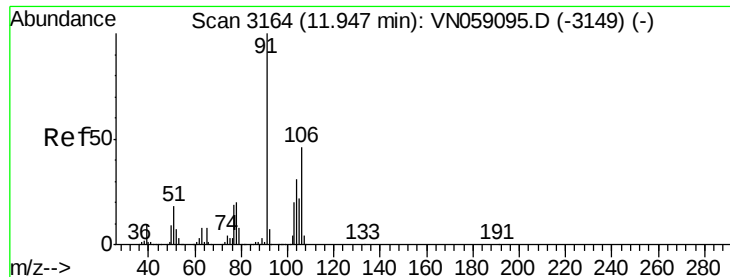
Tgt Ion: 106 Resp: 304938

Ion Ratio Lower Upper

106 100

91 205.0 164.7 247.1

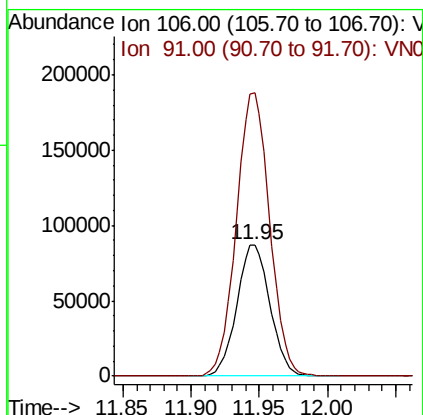
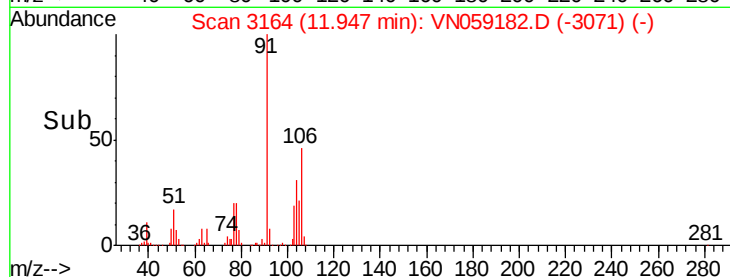
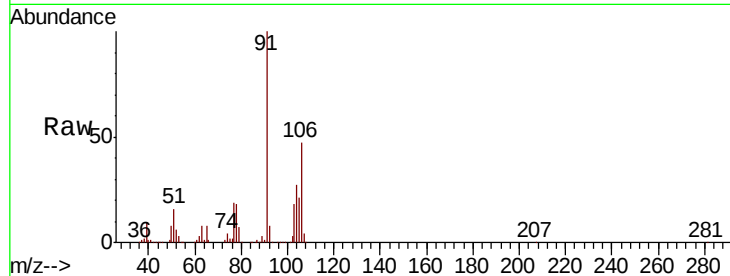




#69
o-Xylene
Concen: 19.349 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

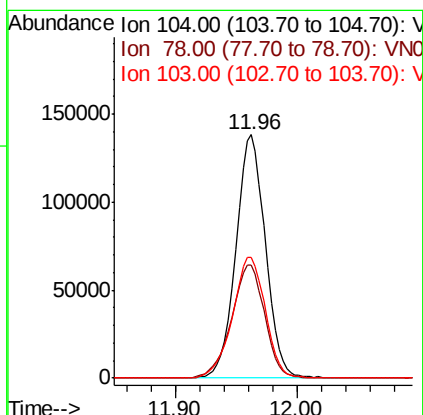
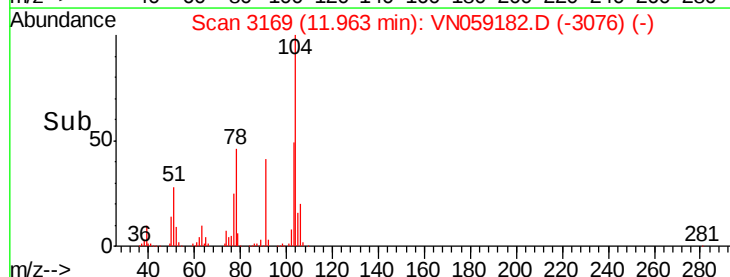
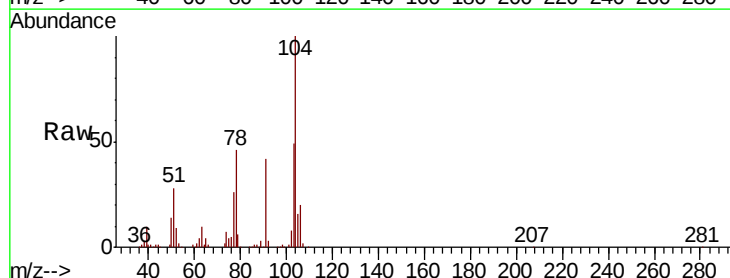
Instrument :
MSVOA_N
ClientSampled :
VN1112WBS01

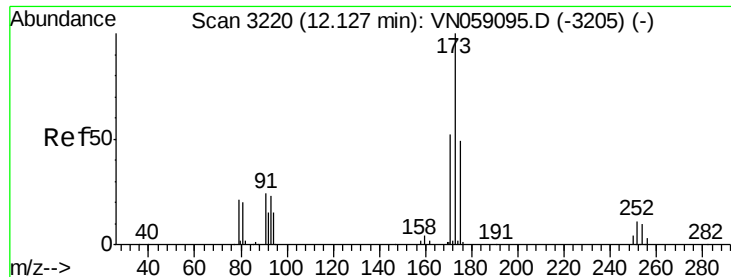
Tot Ion:106 Resp: 146448
Ion Ratio Lower Upper
106 100
91 217.9 110.1 330.3



#70
Styrene
Concen: 19.414 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion:104 Resp: 231098
Ion Ratio Lower Upper
104 100
78 52.6 41.2 61.8
103 55.3 43.8 65.6

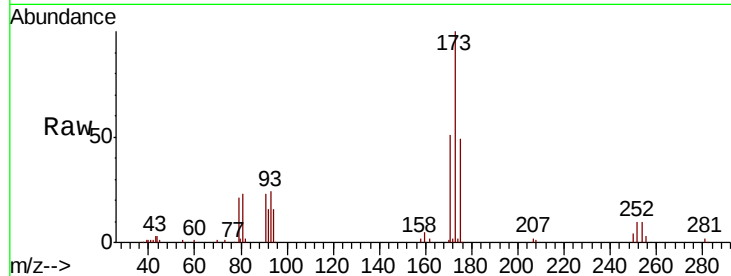




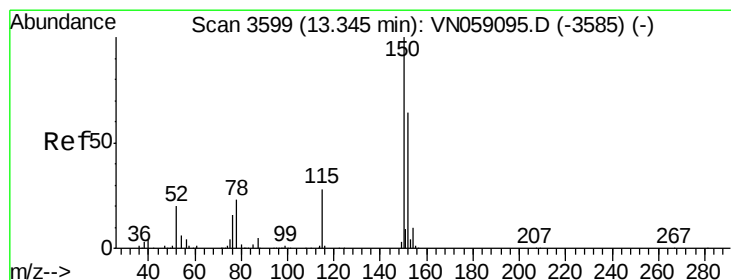
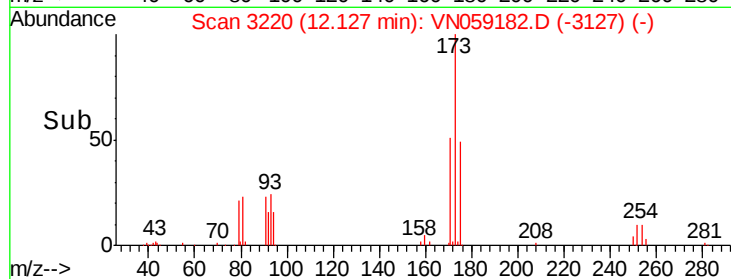
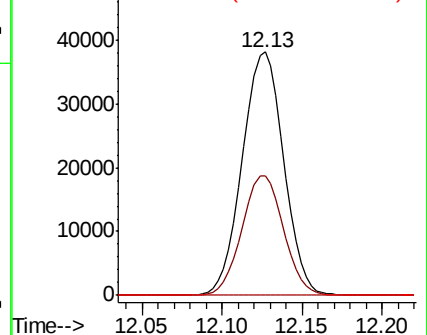
#71
Bromoform
Concen: 19.592 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion:173 Resp: 67365
Ion Ratio Lower Upper
173 100
175 49.1 24.2 72.6
254 0.0 0.1 0.1#

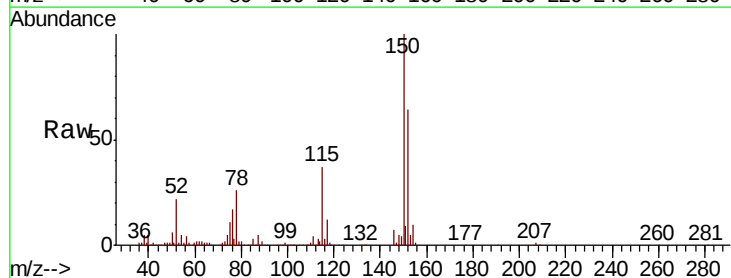


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

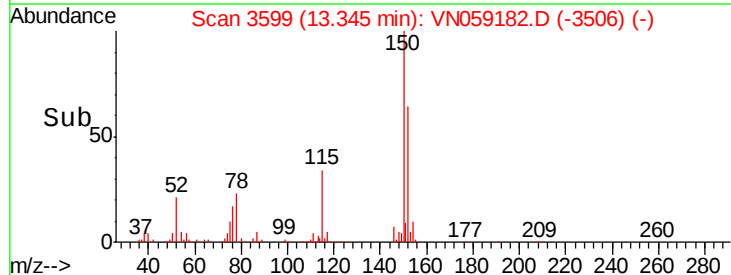
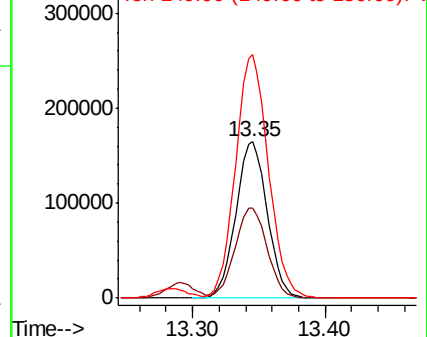


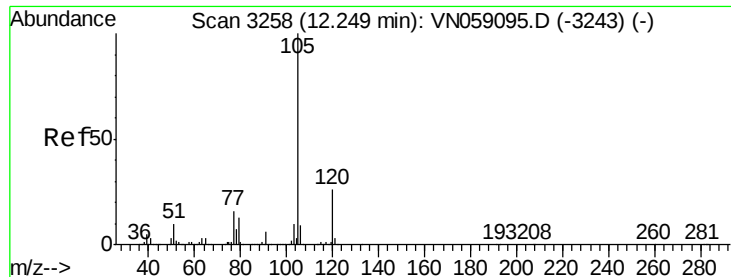
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion:152 Resp: 270999
Ion Ratio Lower Upper
152 100
115 58.6 29.4 88.2
150 162.7 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: 20.082 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

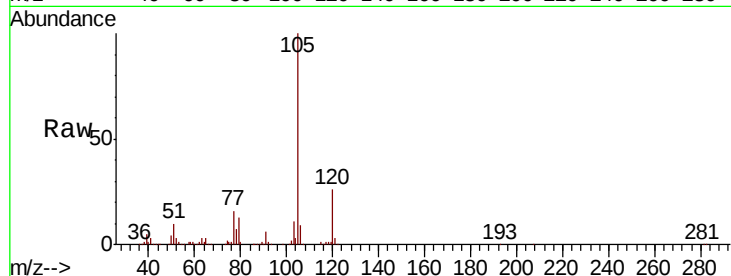
VN1112WBS01

Tot Ion: 105 Resp: 395877

Ion Ratio Lower Upper

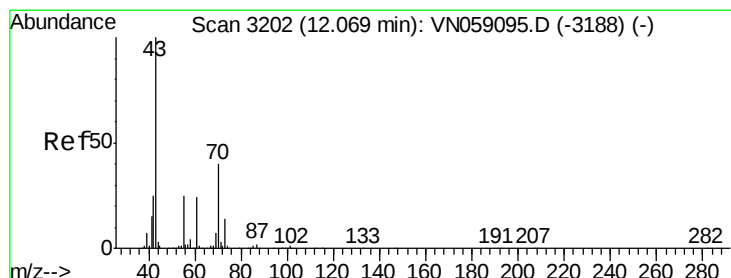
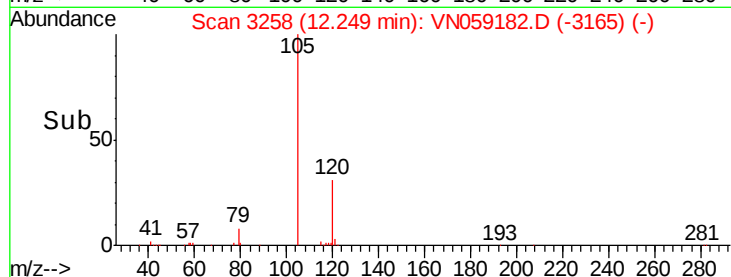
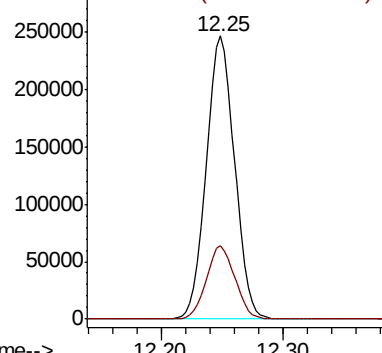
105 100

120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.049 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Tgt Ion: 43 Resp: 167470

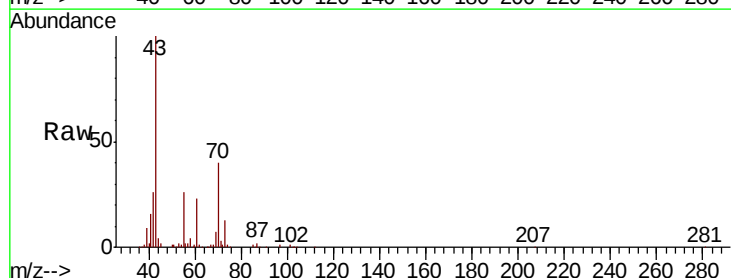
Ion Ratio Lower Upper

43 100

70 40.5 32.2 48.4

55 26.5 20.4 30.6

61 23.1 19.3 28.9

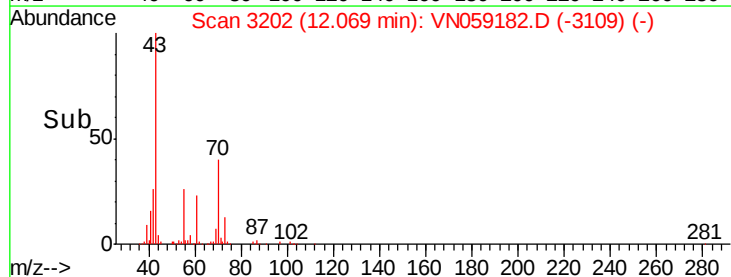
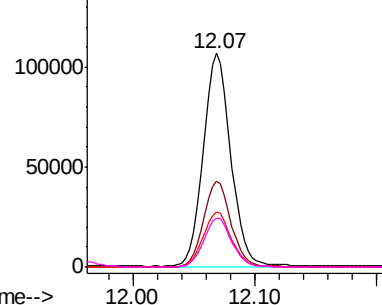


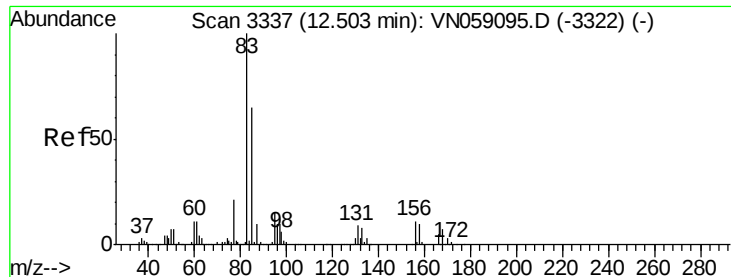
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.990 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

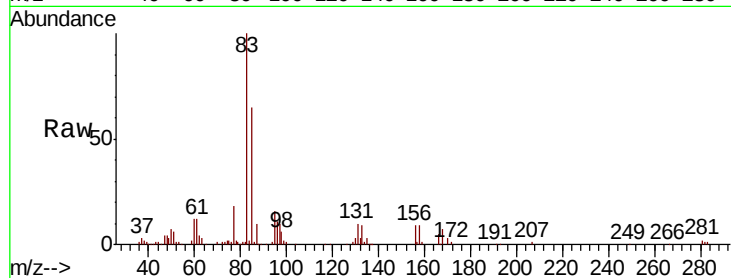
Tot Ion: 83 Resp: 140909

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.6

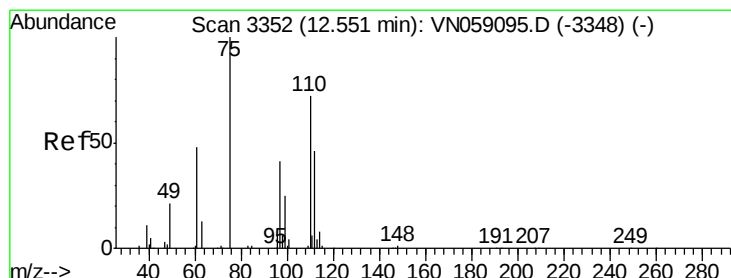
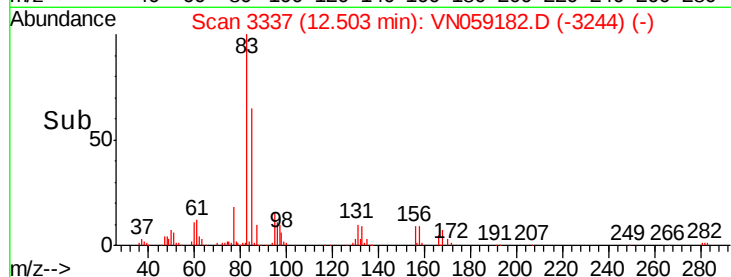
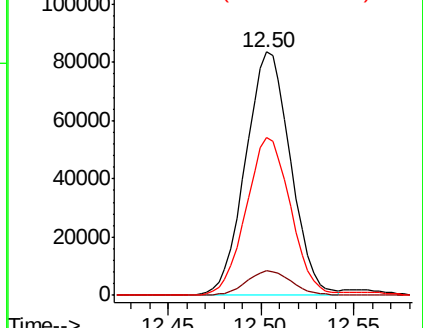
85 64.1 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059182.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059182.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059182.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 29.705 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059182.D

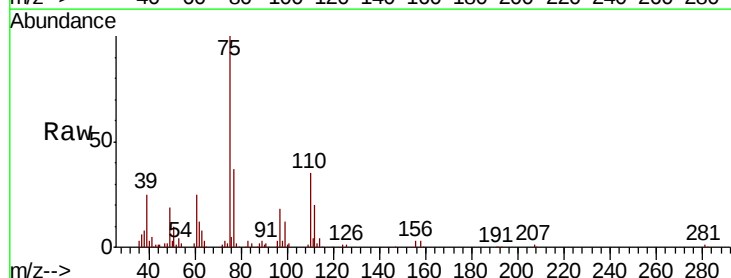
Acq: 12 Nov 2019 12:10

Tgt Ion: 75 Resp: 183271

Ion Ratio Lower Upper

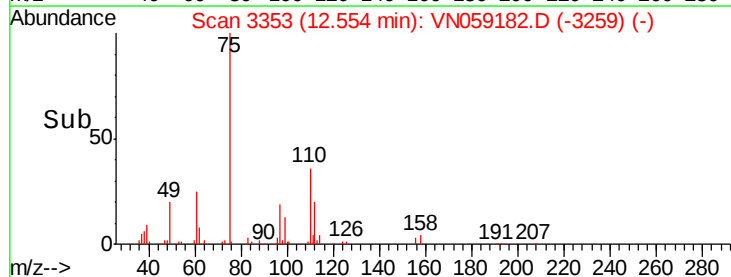
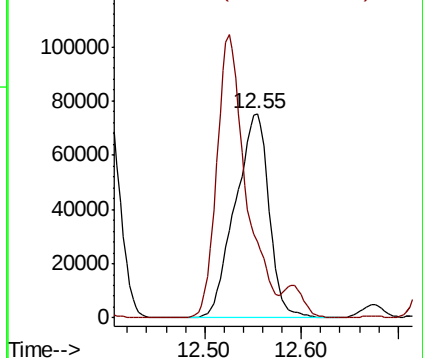
75 100

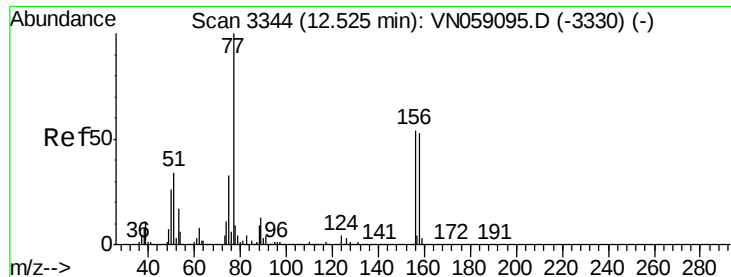
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059182.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059182.D (-3259) (-)





#77

Bromobenzene

Concen: 19.252 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

VN1112WBS01

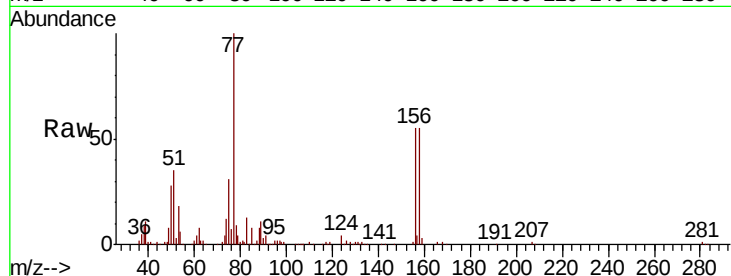
Tot Ion:156 Resp: 95350

Ion Ratio Lower Upper

156 100

77 229.7 112.8 338.3

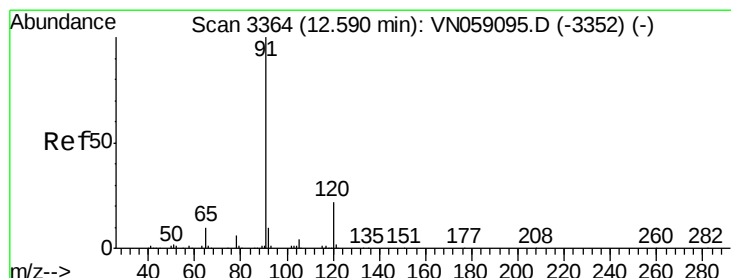
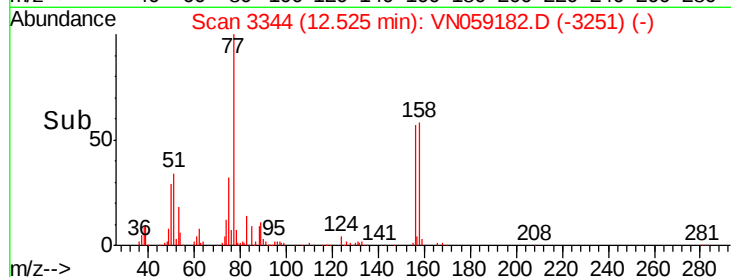
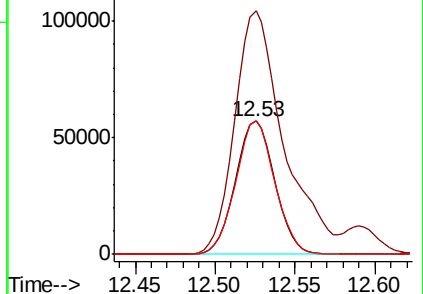
158 99.8 48.4 145.3



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: 20.370 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059182.D

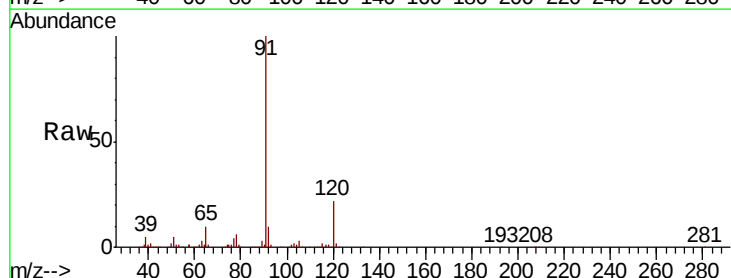
Acq: 12 Nov 2019 12:10

Tgt Ion: 91 Resp: 459759

Ion Ratio Lower Upper

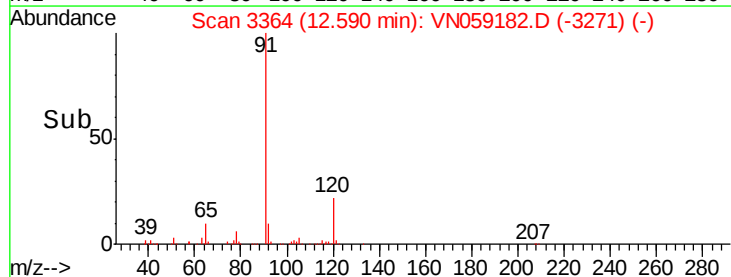
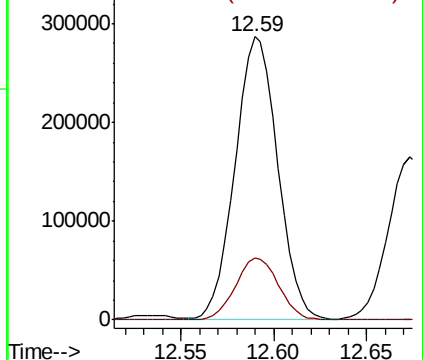
91 100

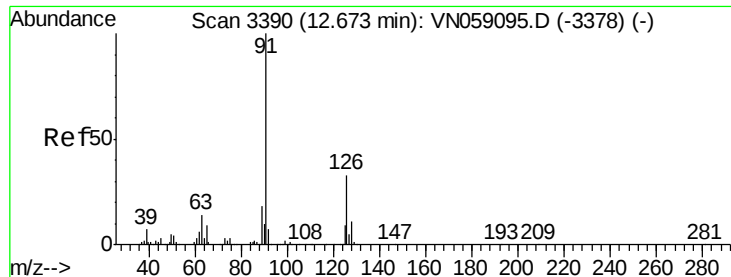
120 22.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.806 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

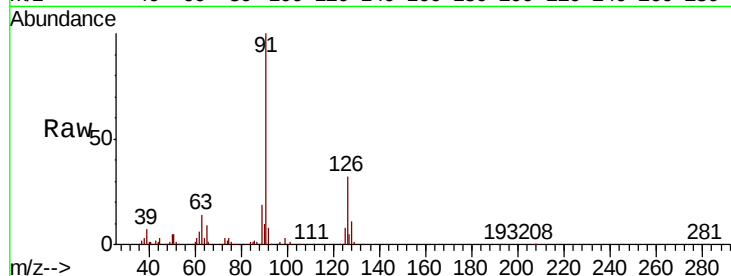
VN1112WBS01

Tot Ion: 91 Resp: 277326

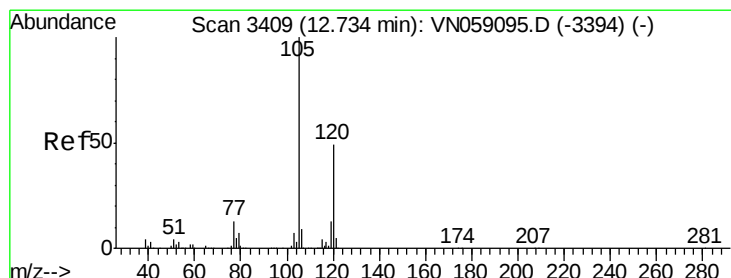
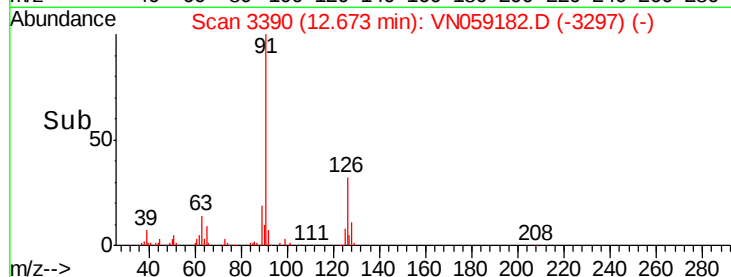
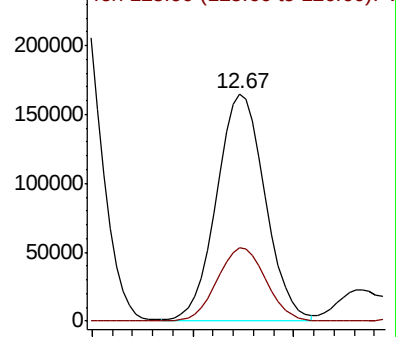
Ion Ratio Lower Upper

91 100

126 32.7 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059182.D (-3397) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.974 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059182.D

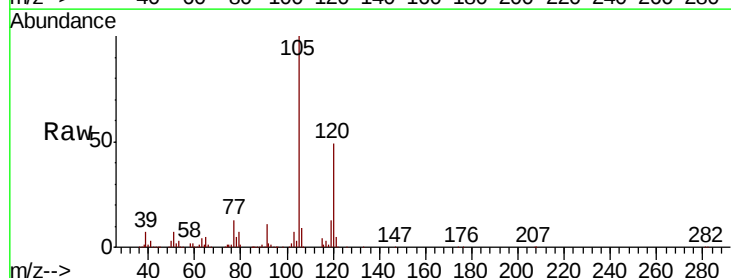
Acq: 12 Nov 2019 12:10

Tgt Ion: 105 Resp: 333629

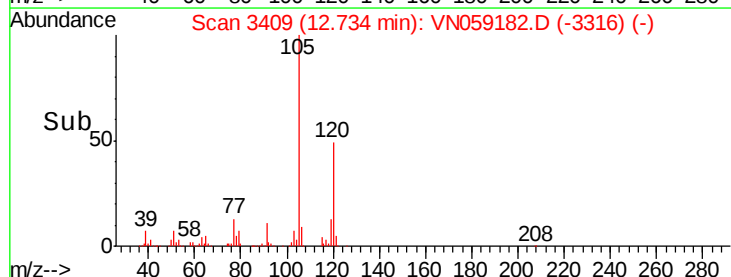
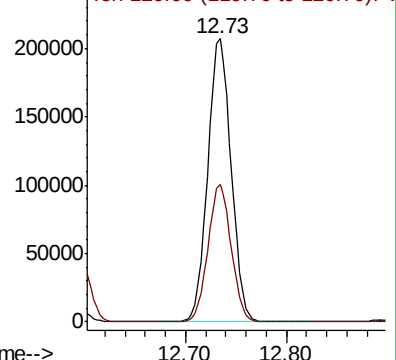
Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059182.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.432 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

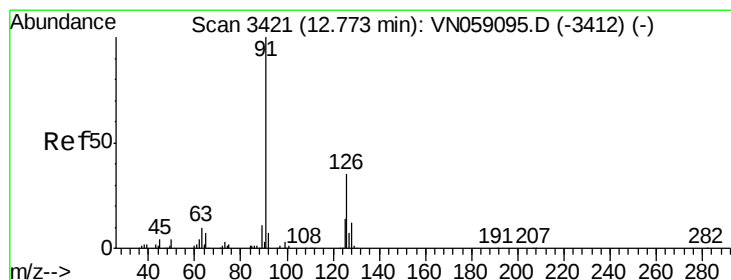
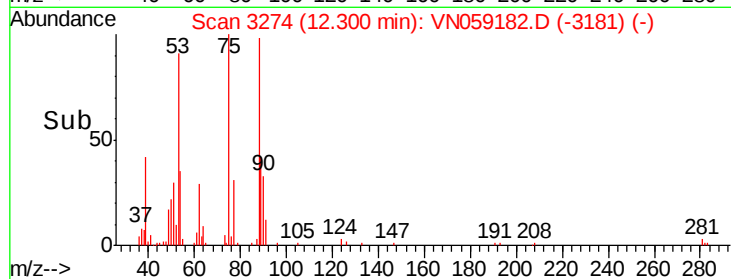
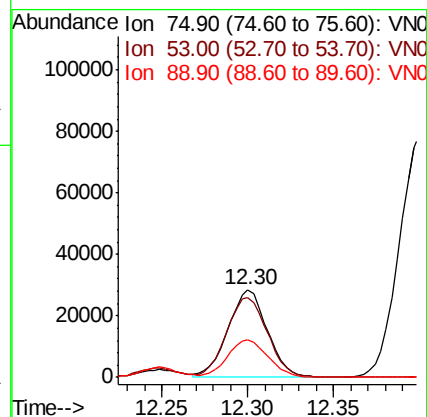
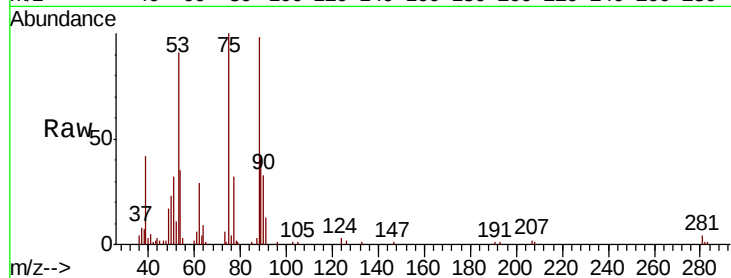
Tot Ion: 75 Resp: 45390

Ion Ratio Lower Upper

75 100

53 95.5 72.2 108.2

89 44.5 35.8 53.8



#82

4-Chlorotoluene

Concen: 19.570 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059182.D

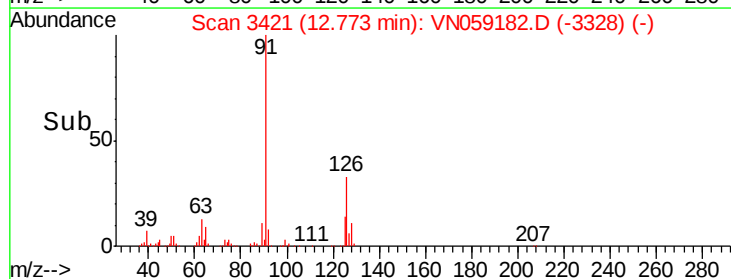
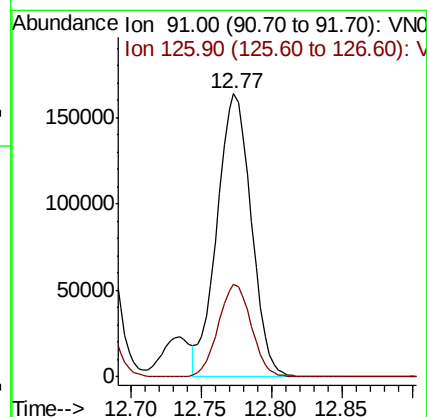
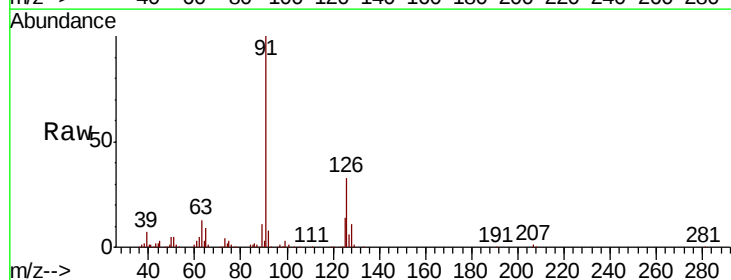
Acq: 12 Nov 2019 12:10

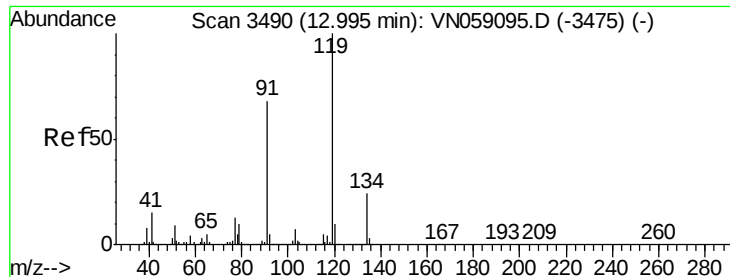
Tgt Ion: 91 Resp: 274827

Ion Ratio Lower Upper

91 100

126 31.9 16.1 48.2

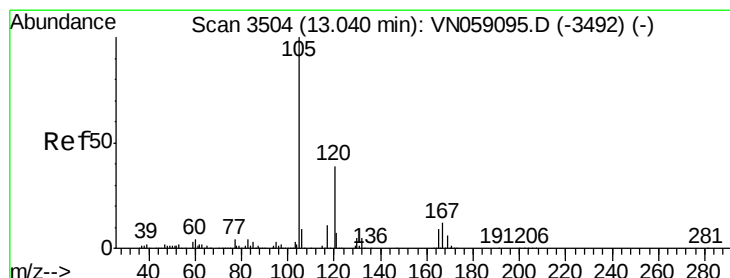
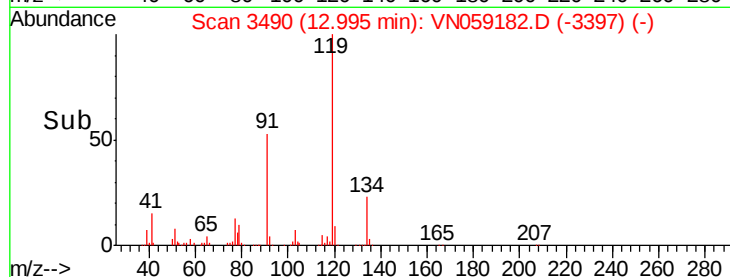
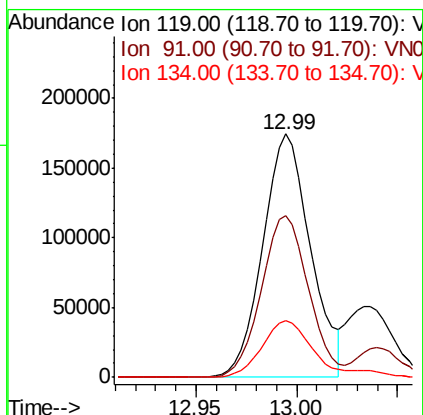
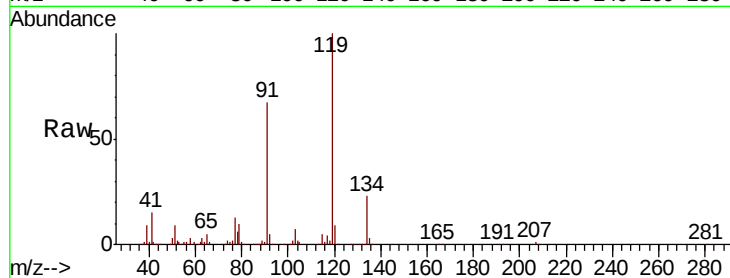




#83
tert-Butylbenzene
Concen: 19.949 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

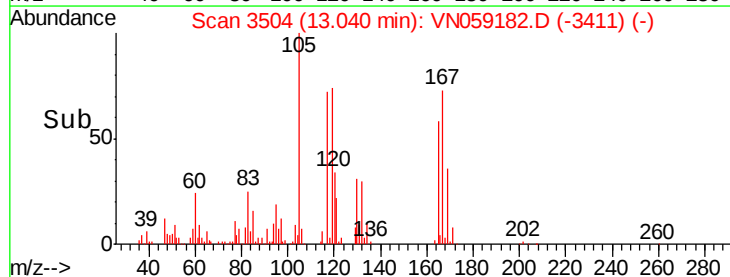
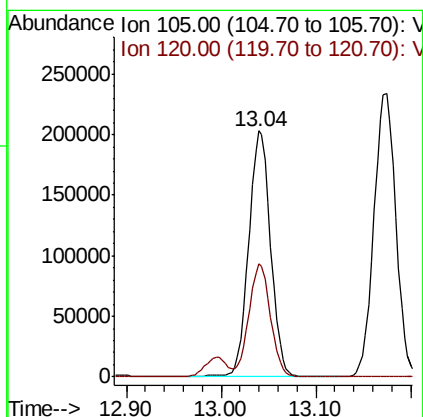
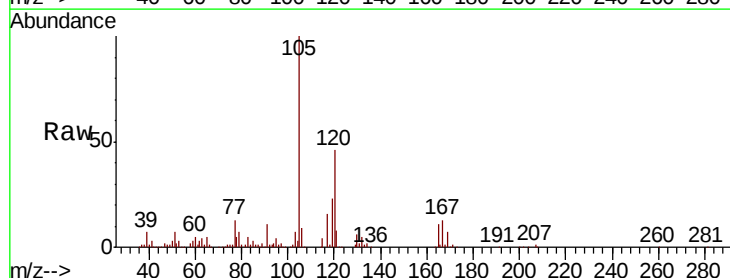
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion:119 Resp: 287755
Ion Ratio Lower Upper
119 100
91 65.9 33.2 99.6
134 26.1 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 20.218 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059182.D
Acq: 12 Nov 2019 12:10

Tgt Ion:105 Resp: 326728
Ion Ratio Lower Upper
105 100
120 45.6 22.8 68.4

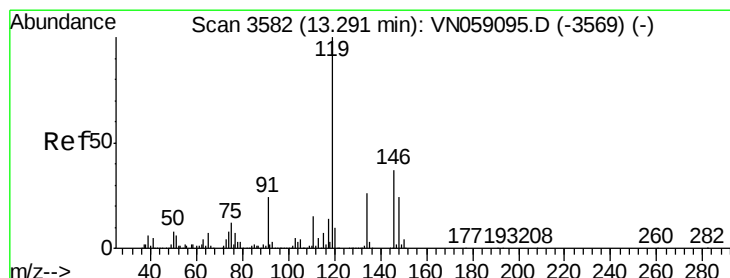
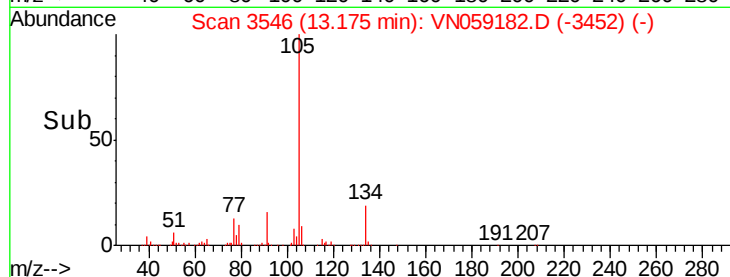
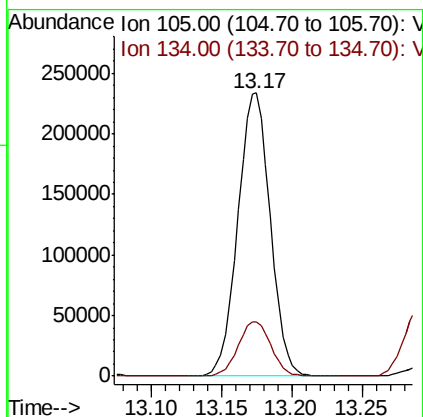
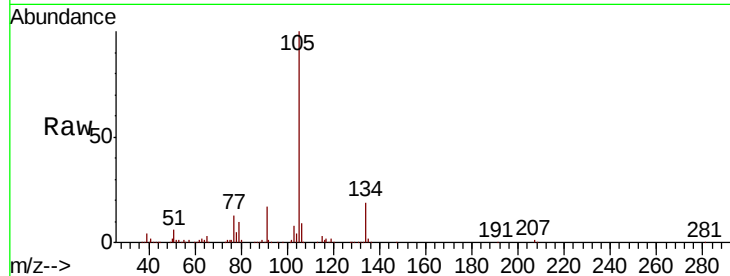




#85
 sec-Butylbenzene
 Concen: 20.068 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059182.D
 Acq: 12 Nov 2019 12:10

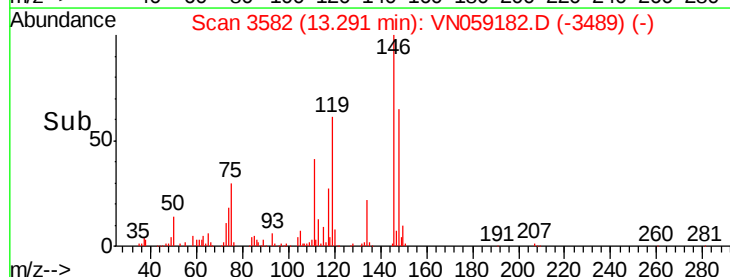
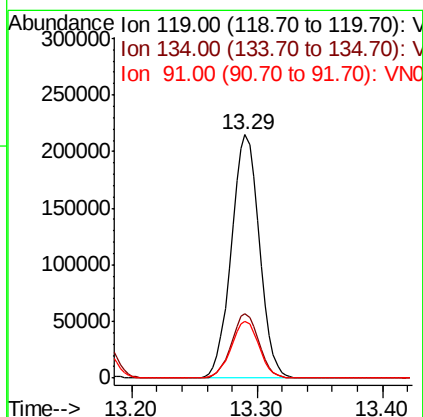
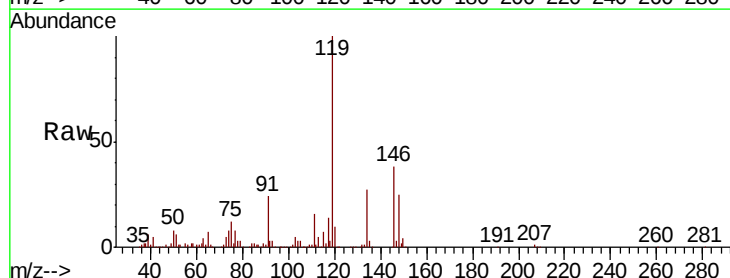
Instrument :
 MSVOA_N
 ClientSampled :
 VN1112WBS01

Tot Ion:105 Resp: 376475
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 20.011 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059182.D
 Acq: 12 Nov 2019 12:10

Tgt Ion:119 Resp: 331479
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 38.9
 91 23.2 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 19.578 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

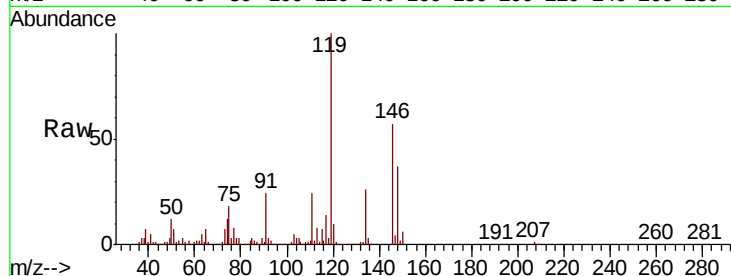
Tot Ion:146 Resp: 166036

Ion Ratio Lower Upper

146 100

111 40.6 20.4 61.3

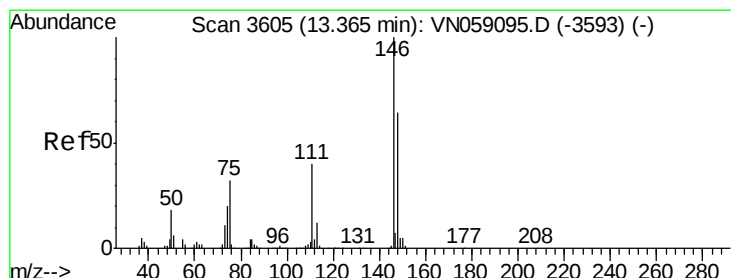
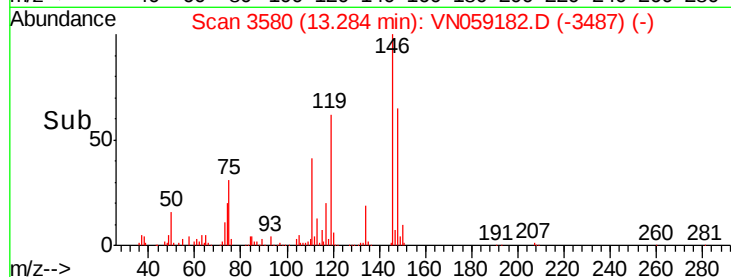
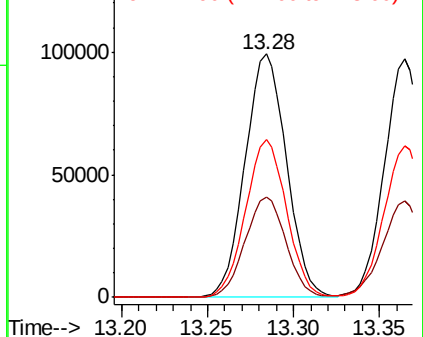
148 64.2 32.2 96.6



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: 18.807 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

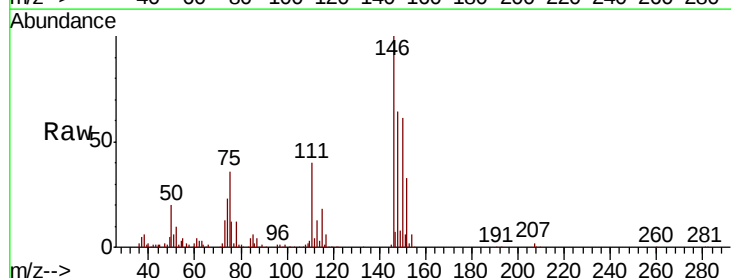
Tgt Ion:146 Resp: 159589

Ion Ratio Lower Upper

146 100

111 42.1 20.3 60.9

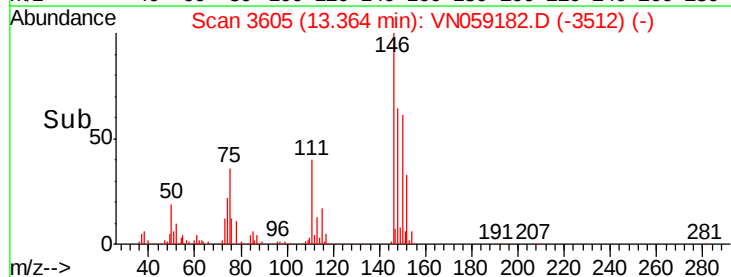
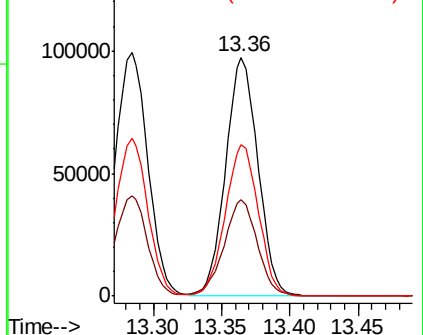
148 65.3 31.9 95.7

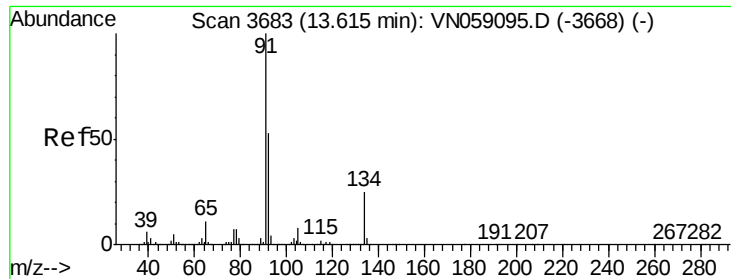


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.565 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

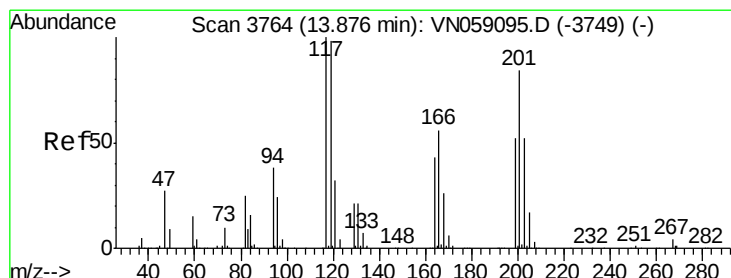
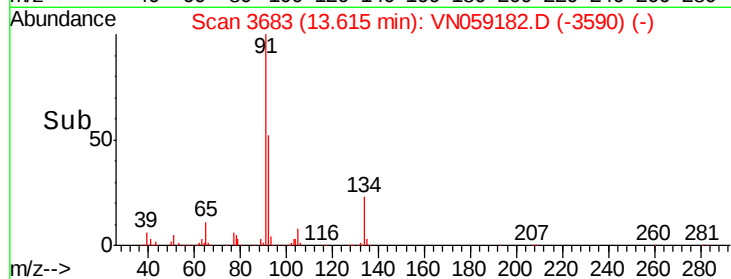
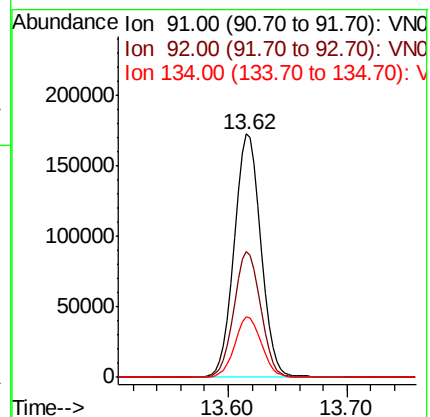
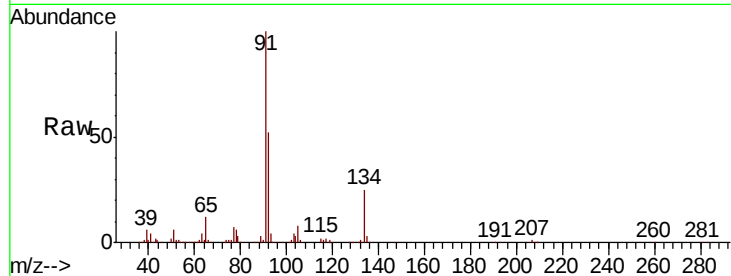
Tot Ion: 91 Resp: 269150

Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.3
134	24.9	12.6	37.8

91 100

92 51.9 26.1 78.3

134 24.9 12.6 37.8



#90

Hexachloroethane

Concen: 19.415 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059182.D

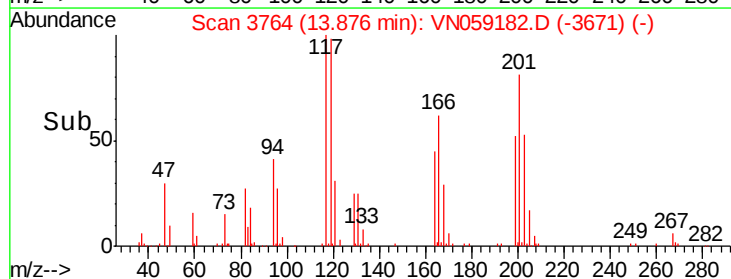
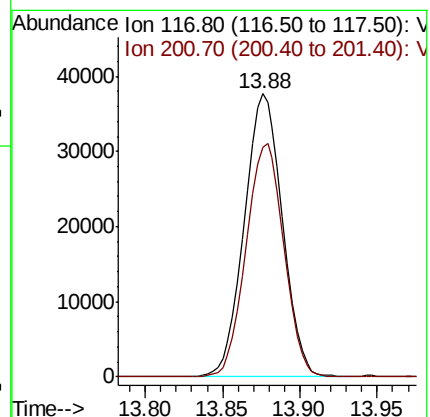
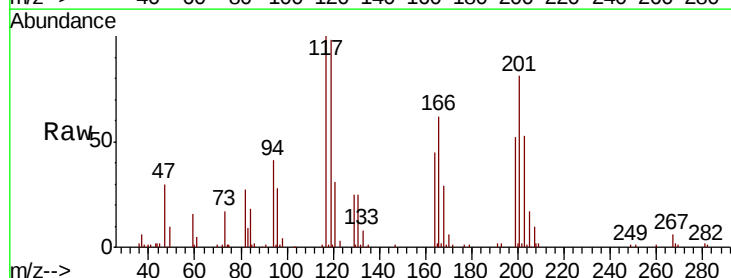
Acq: 12 Nov 2019 12:10

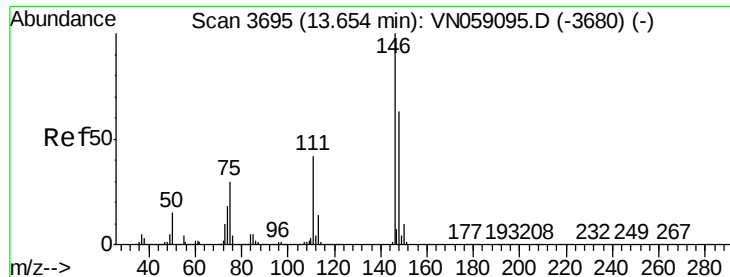
Tgt Ion: 117 Resp: 64578

Ion	Ratio	Lower	Upper
117	100		
201	81.6	41.8	125.3

117 100

201 81.6 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 20.177 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

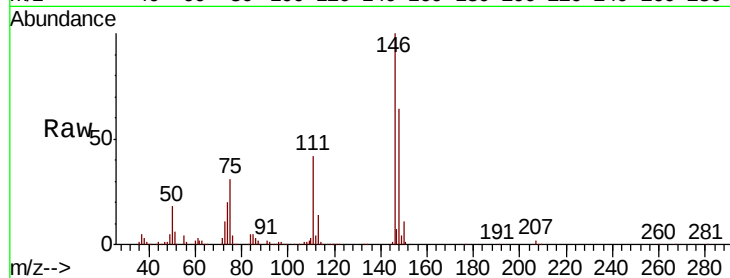
Tot Ion:146 Resp: 168334

Ion Ratio Lower Upper

146 100

111 41.3 21.2 63.6

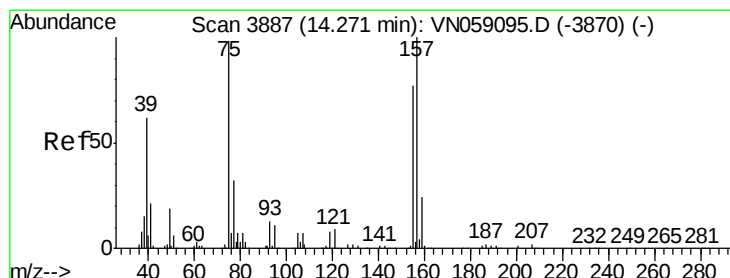
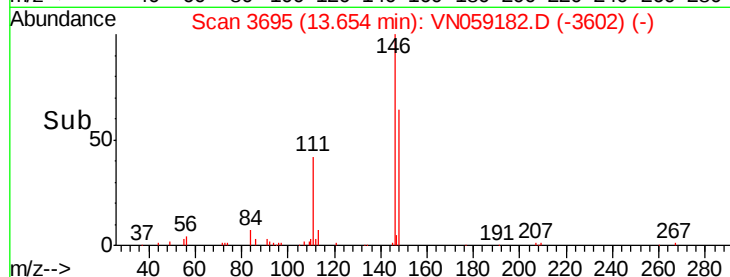
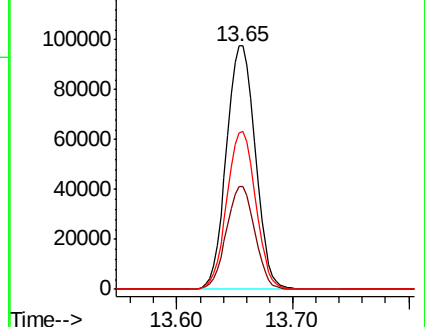
148 64.5 31.6 94.7



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: 21.004 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

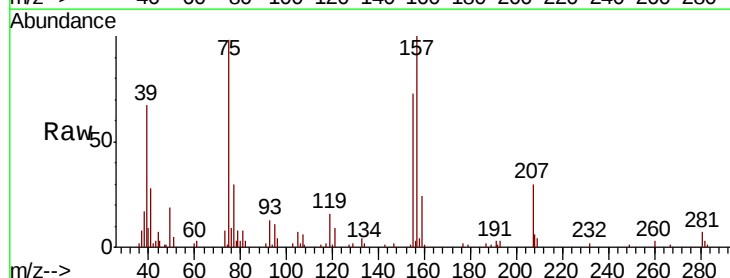
Tgt Ion: 75 Resp: 28111

Ion Ratio Lower Upper

75 100

155 76.0 40.2 120.6

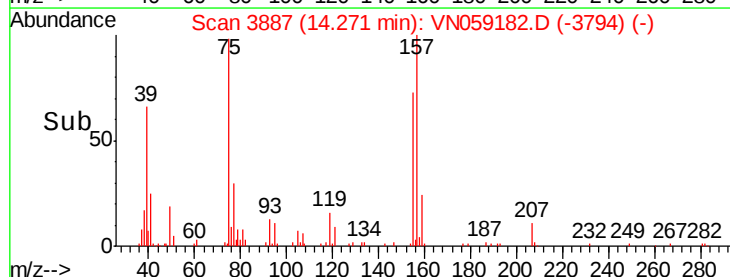
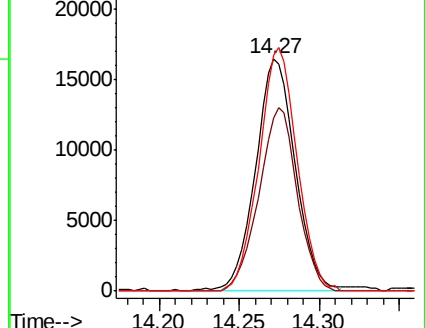
157 100.2 51.8 155.5



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: 17.696 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

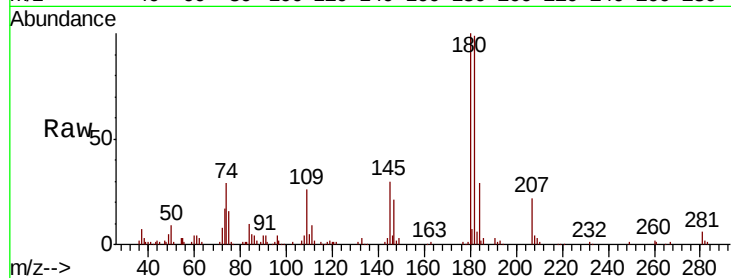
Tot Ion:180 Resp: 78961

Ion Ratio Lower Upper

180 100

182 96.8 48.1 144.3

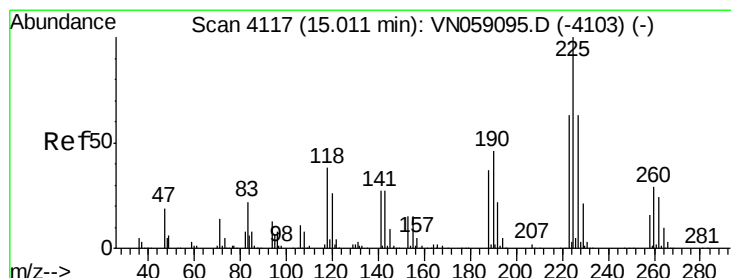
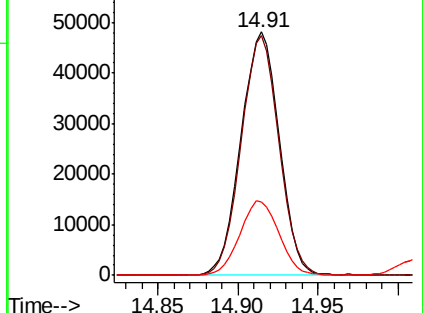
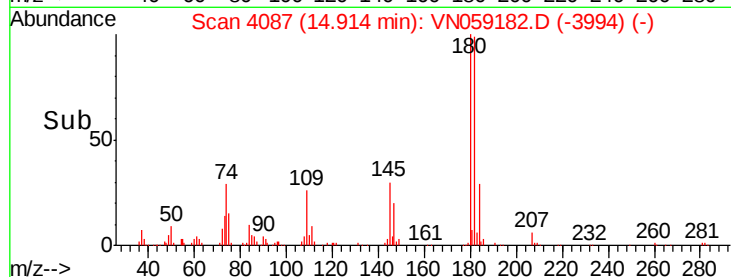
145 31.2 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.320 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

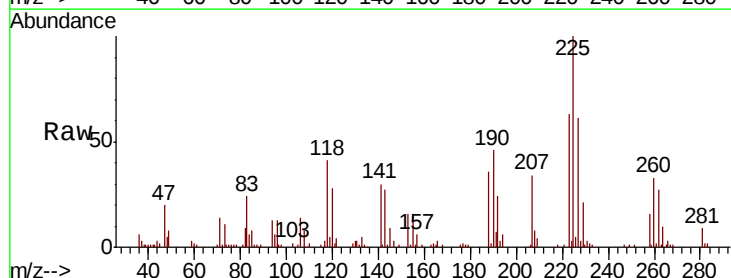
Tgt Ion:225 Resp: 55575

Ion Ratio Lower Upper

225 100

223 63.6 31.3 93.9

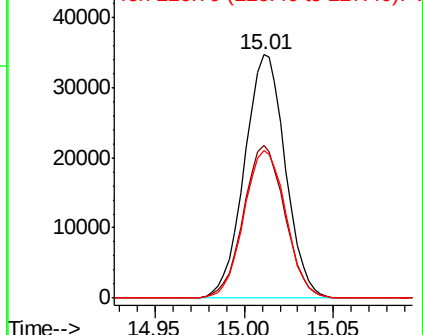
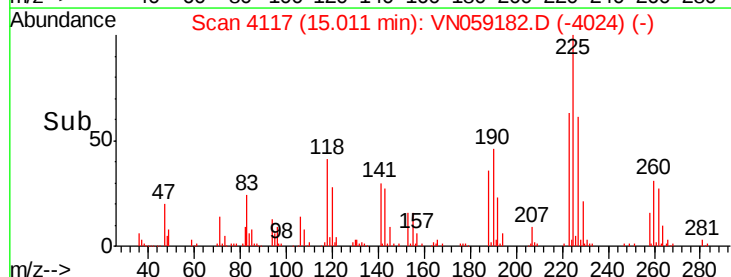
227 62.2 31.5 94.5

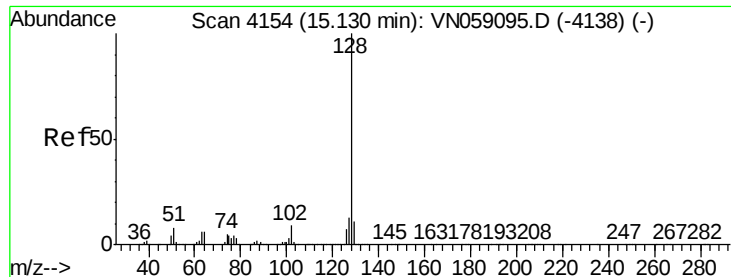


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.304 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

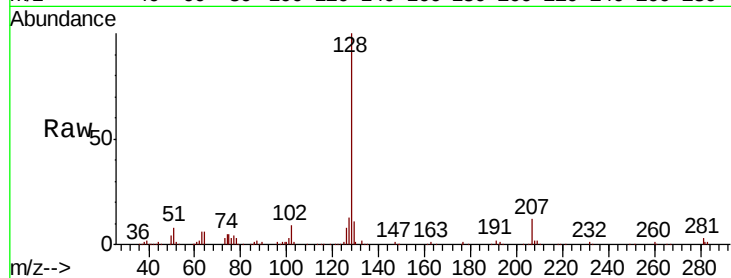
Tot Ion:128 Resp: 213222

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.6 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

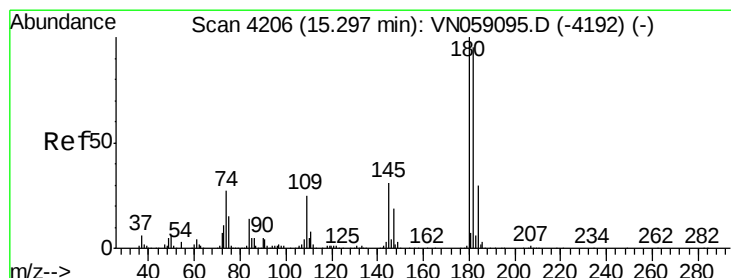
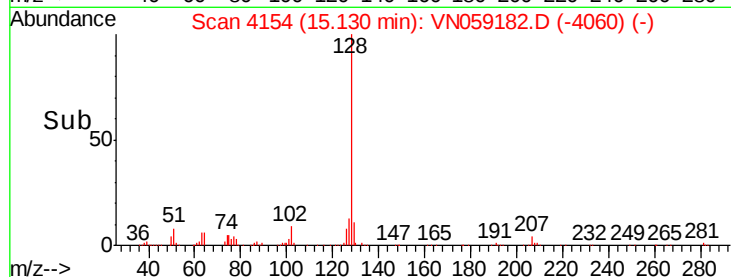
15.13

100000

50000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 18.379 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059182.D

Acq: 12 Nov 2019 12:10

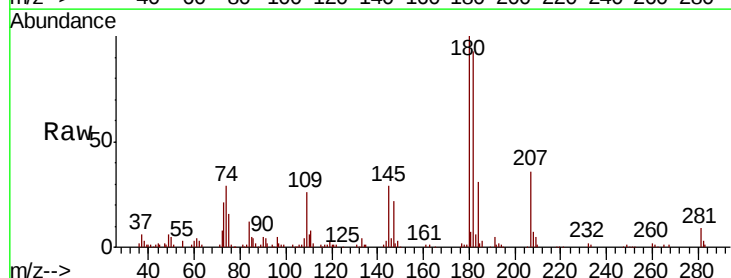
Tgt Ion:180 Resp: 85931

Ion Ratio Lower Upper

180 100

182 92.8 47.3 141.8

145 31.0 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

15.30

60000

40000

20000

0

Time-->

