

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053089.D
 Acq On : 21 Dec 2018 6:36
 Operator : MD\SY
 Sample : J6519-03MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MSD

Quant Time: Dec 21 07:13:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	959905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1504751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1345965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	648661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	530838	54.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.98%	
35) Dibromofluoromethane	7.59	113	451745	65.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.44%	
50) Toluene-d8	10.09	98	1887514	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.40	95	670869	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	416225	42.844	ug/l	99
3) Chloromethane	2.06	50	551812	46.873	ug/l	100
4) Vinyl Chloride	2.19	62	551974	46.296	ug/l	100
5) Bromomethane	2.57	94	314076	38.021	ug/l	98
6) Chloroethane	2.71	64	336618	47.671	ug/l	99
7) Trichlorofluoromethane	3.03	101	705592	47.506	ug/l	99
8) Diethyl Ether	3.41	74	292450	52.192	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	432629	45.684	ug/l	98
10) Methyl Iodide	3.96	142	583741	43.894	ug/l	99
11) Tert butyl alcohol	4.78	59	170808	287.376	ug/l	97
12) 1,1-Dichloroethene	3.74	96	441007	48.202	ug/l	98
13) Acrolein	3.61	56	112713	209.138	ug/l	98
14) Allyl chloride	4.33	41	683625	48.238	ug/l	98
15) Acrylonitrile	4.99	53	877163	265.644	ug/l	100
16) Acetone	3.82	43	587816	307.766	ug/l	96
17) Carbon Disulfide	4.06	76	1298311	43.513	ug/l	100
18) Methyl Acetate	4.33	43	468953	54.016	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1874630	76.566	ug/l	100
20) Methylene Chloride	4.55	84	521956	50.099	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	492694	50.122	ug/l	98
22) Diisopropyl ether	5.95	45	1616682	53.444	ug/l	98
23) Vinyl Acetate	5.90	43	4950311	284.590	ug/l	98
24) 1,1-Dichloroethane	5.85	63	921450	51.262	ug/l	99
25) 2-Butanone	6.83	43	912521	284.686	ug/l	98
26) 2,2-Dichloropropane	6.83	77	505413	36.833	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	566369	50.893	ug/l	98
28) Bromochloromethane	7.20	49	414845	53.260	ug/l	94
29) Tetrahydrofuran	7.21	42	644566	269.244	ug/l	97
30) Chloroform	7.37	83	903634	51.174	ug/l	100
31) Cyclohexane	7.66	56	814106	48.253	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	740046	49.197	ug/l	99
36) 1,1-Dichloropropene	7.80	75	681436	47.181	ug/l	100
37) Ethyl Acetate	6.93	43	432359	53.624	ug/l	98
38) Carbon Tetrachloride	7.78	117	634013	47.892	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	769756	43.872	ug/l	98
40) Benzene	8.04	78	2190151	50.981	ug/l	99
41) Methacrylonitrile	7.17	41	250979	53.874	ug/l	96
42) 1,2-Dichloroethane	8.13	62	632779	49.859	ug/l	99
43) Isopropyl Acetate	8.17	43	827549	53.103	ug/l	99
44) Trichloroethene	8.84	130	567745	45.691	ug/l	98
45) 1,2-Dichloropropane	9.12	63	565529	50.539	ug/l	100
46) Dibromomethane	9.21	93	326406	50.073	ug/l	98
47) Bromodichloromethane	9.40	83	691518	49.906	ug/l	100
48) Methyl methacrylate	9.20	41	403629	51.589	ug/l	99
49) 1,4-Dioxane	9.20	88	101955	1030.172	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	2190180	280.498	ug/l	99
52) Toluene	10.16	92	1312951	49.307	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	689759	47.339	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	797691	47.695	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	480434	51.717	ug/l	99
56) Ethyl methacrylate	10.43	69	668805	54.393	ug/l	97
57) 1,3-Dichloropropane	10.71	76	806513	50.628	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1742902	258.194	ug/l	98
59) 2-Hexanone	10.75	43	1469472	278.158	ug/l	99
60) Dibromochloromethane	10.90	129	530260	49.866	ug/l	100
61) 1,2-Dibromoethane	11.01	107	476825	50.540	ug/l	100
64) Tetrachloroethene	10.63	164	579562	39.751	ug/l	98
65) Chlorobenzene	11.43	112	1451181	48.638	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	516304	49.762	ug/l	99
67) Ethyl Benzene	11.51	91	2500628	48.735	ug/l	100
68) m/p-Xylenes	11.62	106	1888515	96.817	ug/l	100
69) o-Xylene	11.95	106	938744	50.153	ug/l	100
70) Styrene	11.97	104	1541859	50.518	ug/l	100
71) Bromoform	12.13	173	363949	48.556	ug/l #	100
73) Isopropylbenzene	12.25	105	2699382	53.188	ug/l	100
74) N-amyl acetate	12.07	43	833271	59.137	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	561127	56.356	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	713725	65.362	ug/l #	100
77) Bromobenzene	12.53	156	688935	52.221	ug/l	91
78) n-propylbenzene	12.59	91	3117832	53.940	ug/l	99
79) 2-Chlorotoluene	12.68	91	1646386	45.952	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1976850	47.788	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	147292	43.476	ug/l	97
82) 4-Chlorotoluene	12.77	91	1700179	48.476	ug/l	100
83) tert-Butylbenzene	12.99	119	1734898	47.420	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2021611	48.613	ug/l	99
85) sec-Butylbenzene	13.17	105	2407341	48.647	ug/l	99
86) p-Isopropyltoluene	13.29	119	1995033	46.657	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1118026	47.882	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1112327	47.041	ug/l	100
89) n-Butylbenzene	13.62	91	1673577	45.494	ug/l	99
90) Hexachloroethane	13.88	117	348104	53.050	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	1072317	48.797	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85493	49.659	ug/l	96

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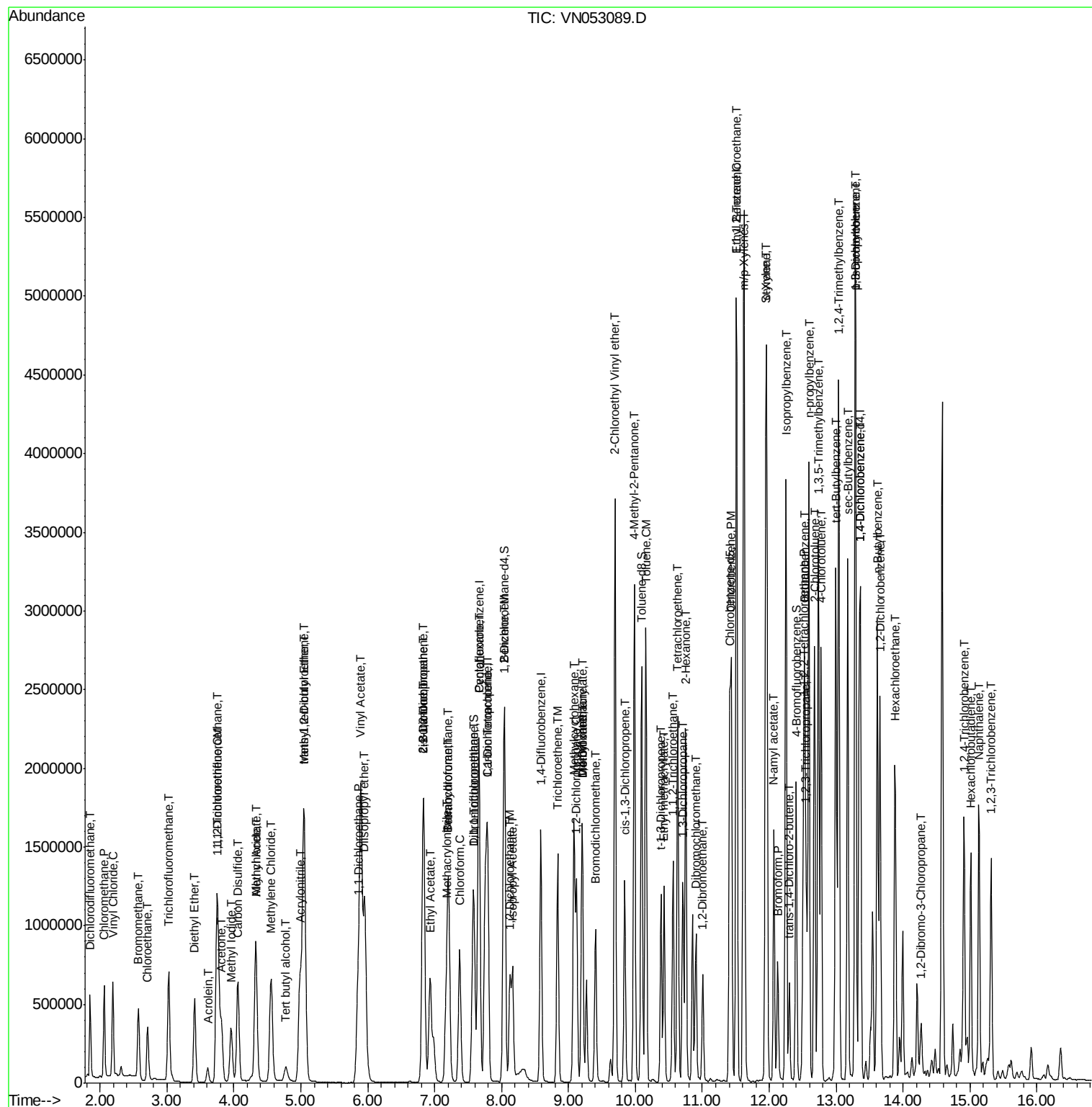
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	568011	48.802	ug/l	97
94) Hexachlorobutadiene	15.01	225	305226	50.671	ug/l	99
95) Naphthalene	15.13	128	1549176	60.497	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	523795	49.961	ug/l	98

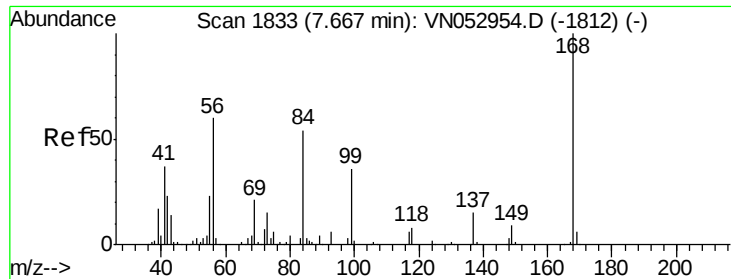
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

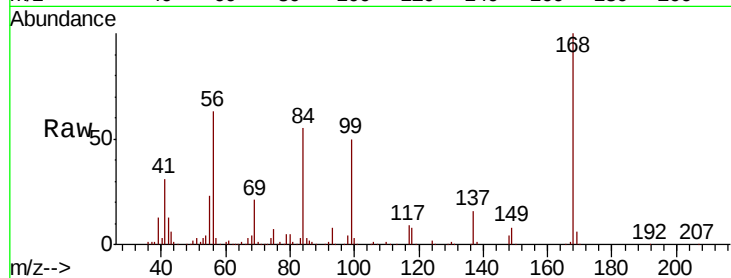
T11-MW-13-8.0-122018MSD

Tot Ion:168 Resp: 959905

Ion Ratio Lower Upper

168 100

99 50.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

300000

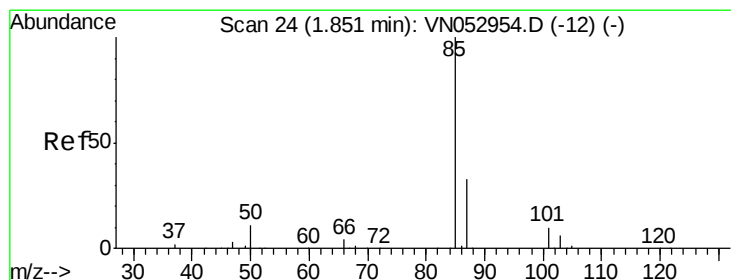
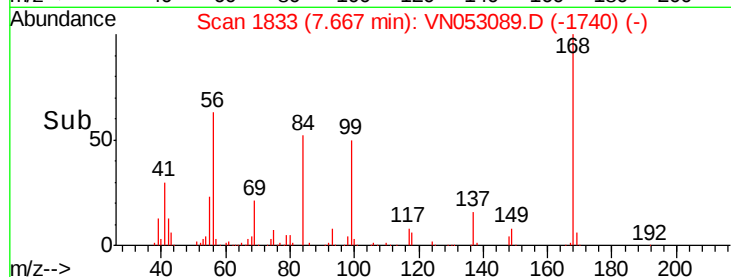
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 42.844 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053089.D

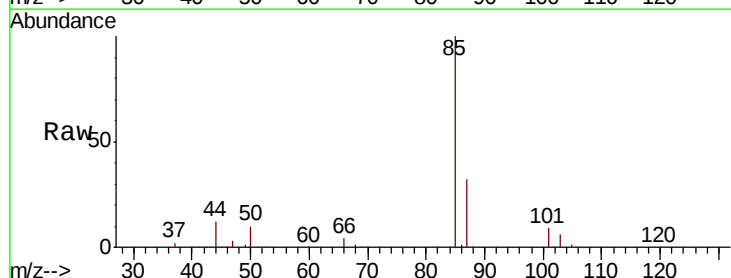
Acq: 21 Dec 2018 6:36

Tgt Ion: 85 Resp: 416225

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

300000

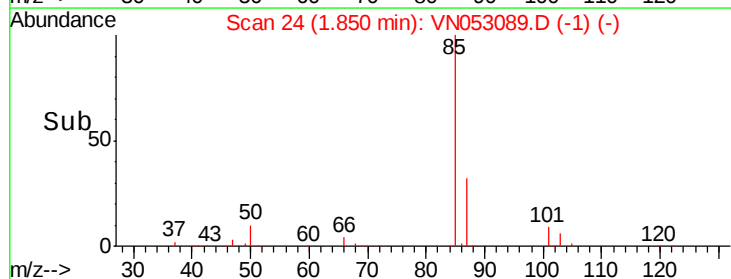
200000

100000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 46.873 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

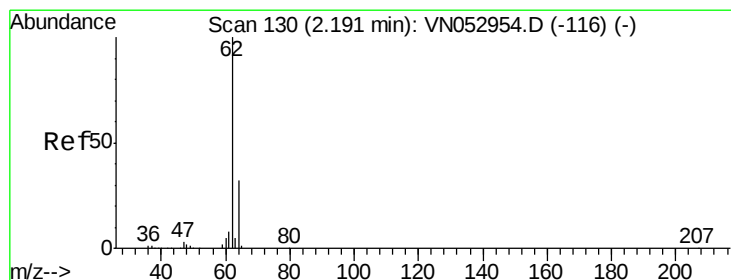
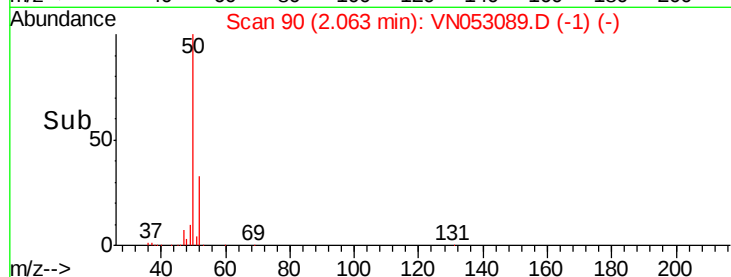
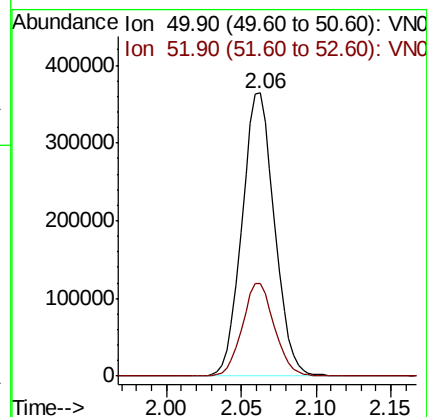
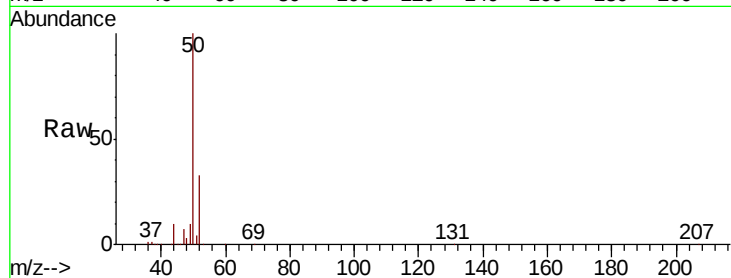
T11-MW-13-8.0-122018MSD

Tot Ion: 50 Resp: 551812

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.4



#4

Vinyl Chloride

Concen: 46.296 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053089.D

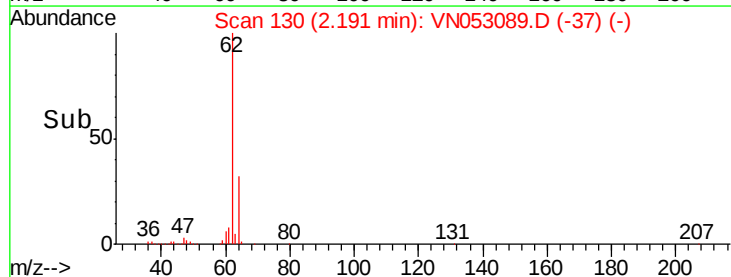
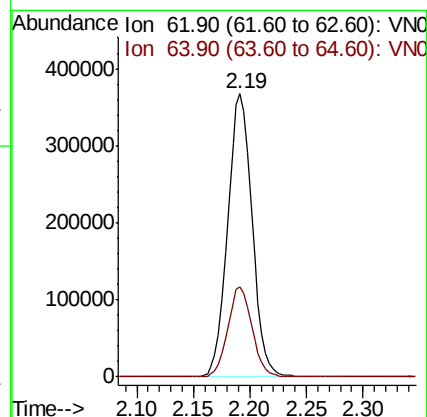
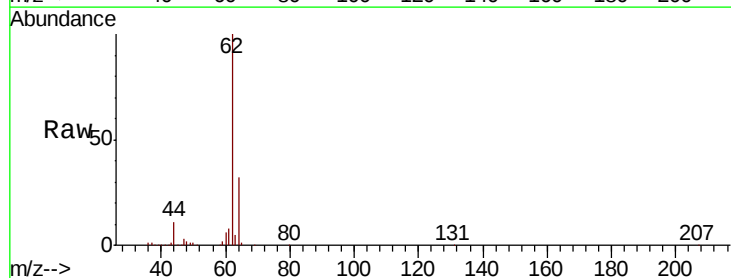
Acq: 21 Dec 2018 6:36

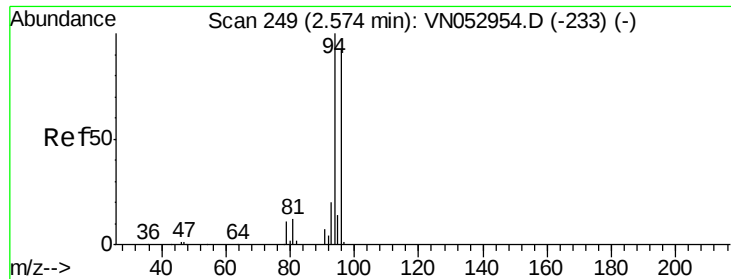
Tgt Ion: 62 Resp: 551974

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 38.021 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

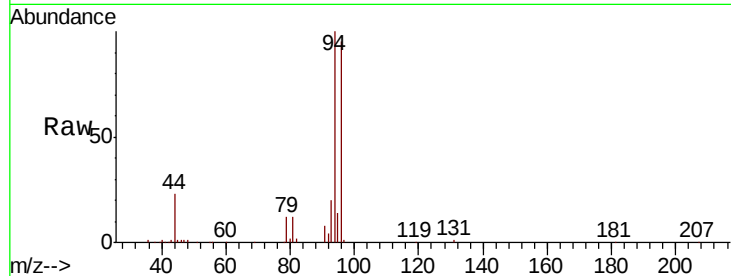
T11-MW-13-8.0-122018MSD

Tot Ion: 94 Resp: 314076

Ion Ratio Lower Upper

94 100

96 95.4 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN053089.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN053089.D (-156) (-)

2.57

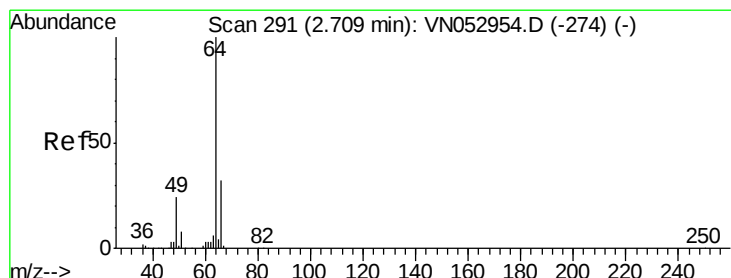
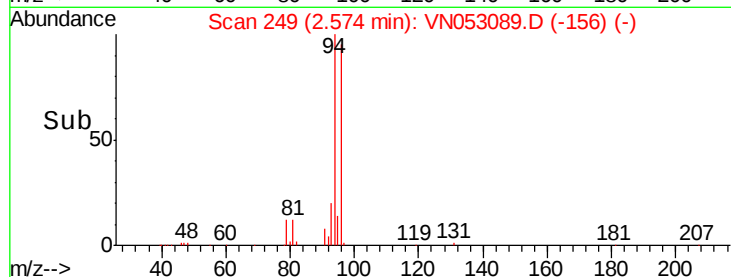
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 47.671 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053089.D

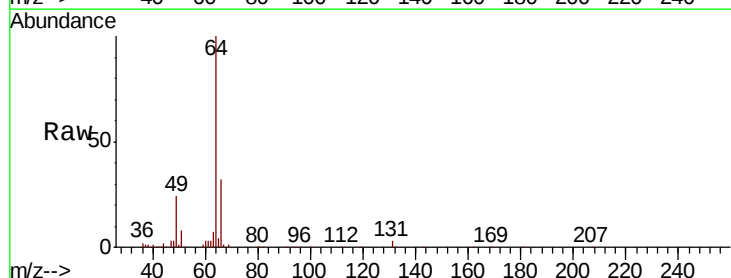
Acq: 21 Dec 2018 6:36

Tgt Ion: 64 Resp: 336618

Ion Ratio Lower Upper

64 100

66 32.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN053089.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN053089.D (-198) (-)

2.71

200000

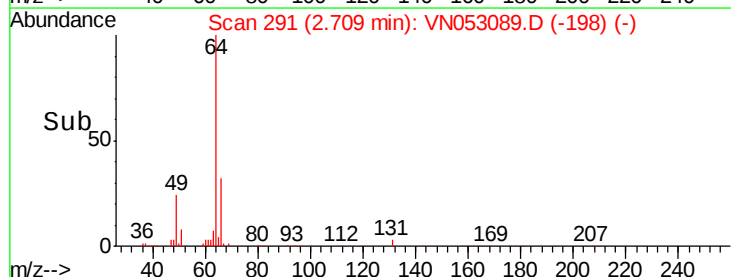
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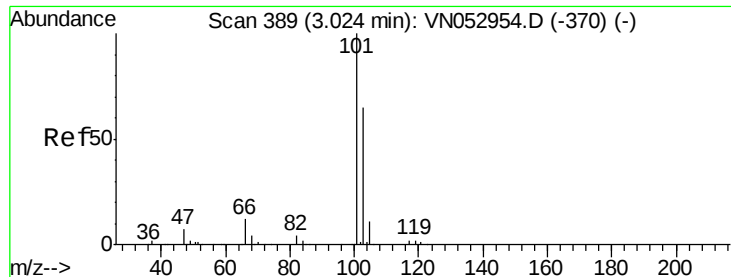
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50000

0

Time-->



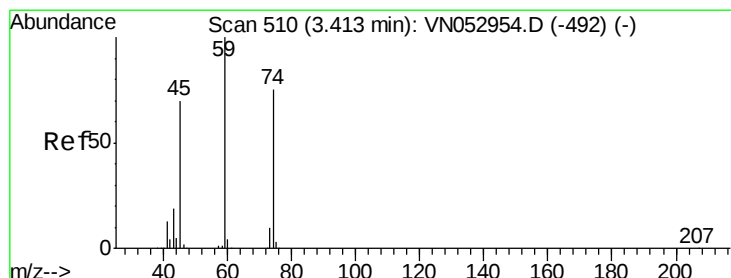
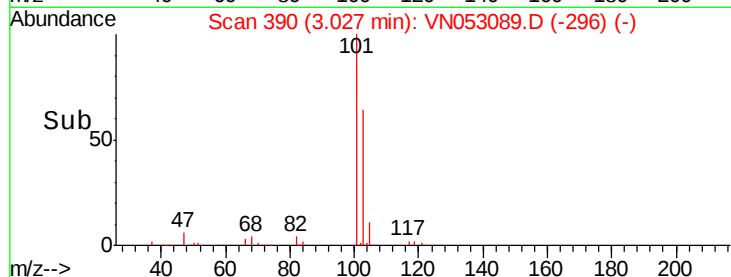
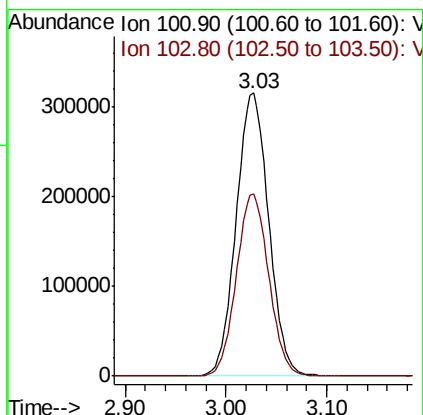
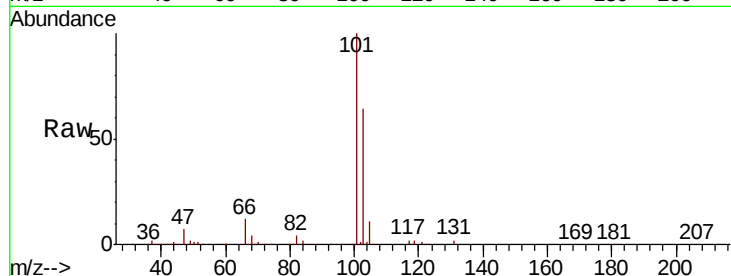


#7

Trichlorofluoromethane
 Concen: 47.506 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053089.D
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Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MSD

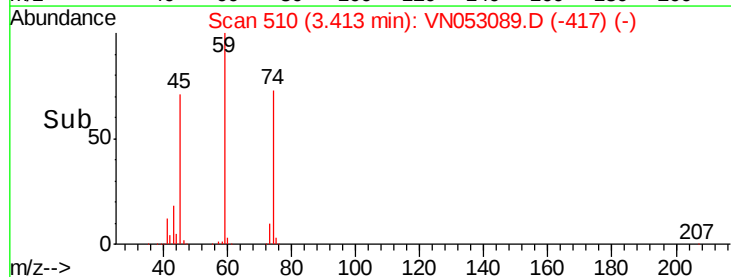
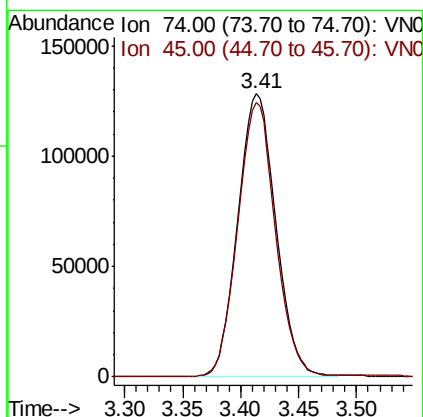
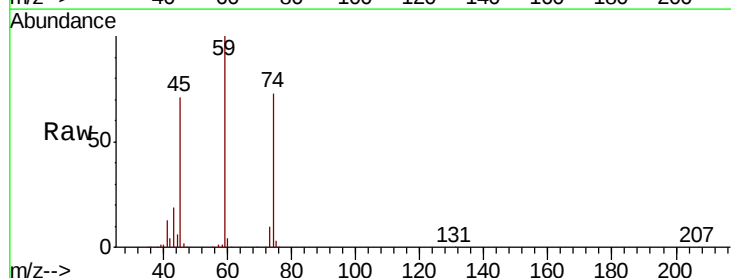
Tot Ion:101 Resp: 705592
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.8 77.6

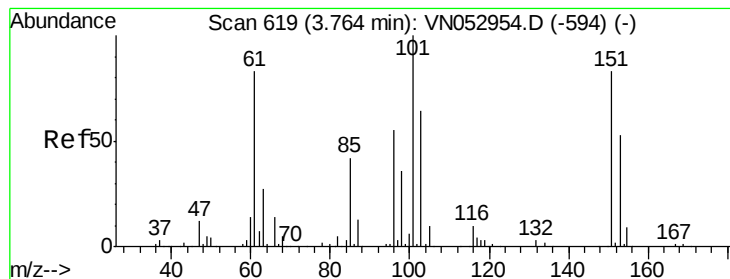


#8

Diethyl Ether
 Concen: 52.192 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion: 74 Resp: 292450
 Ion Ratio Lower Upper
 74 100
 45 95.9 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.684 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

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T11-MW-13-8.0-122018MSD

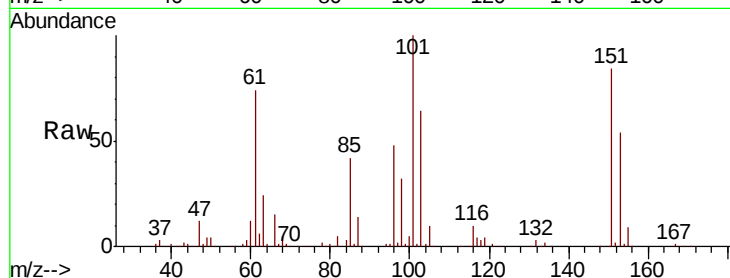
Tot Ion:101 Resp: 432629

Ion Ratio Lower Upper

101 100

85 41.5 33.6 50.4

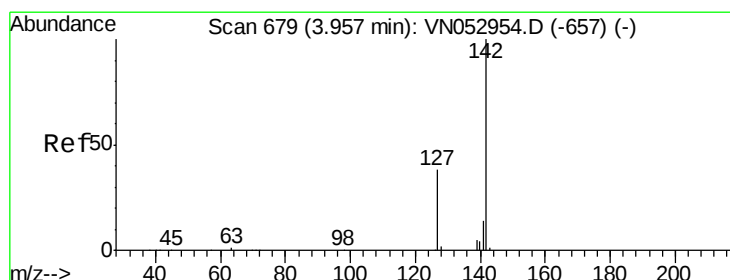
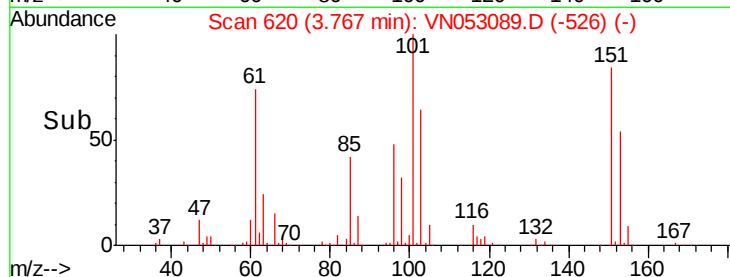
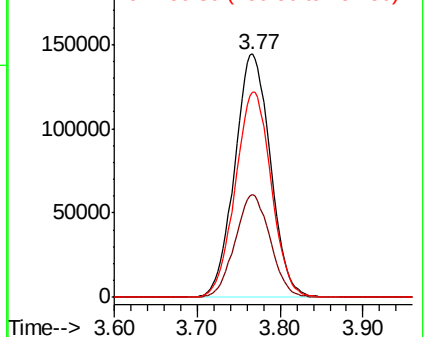
151 84.8 65.5 98.3



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: 43.894 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

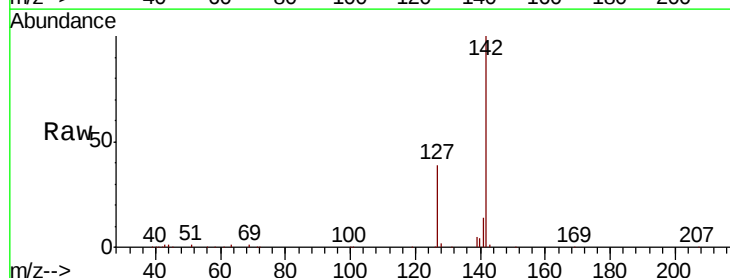
Tgt Ion:142 Resp: 583741

Ion Ratio Lower Upper

142 100

127 38.0 31.0 46.6

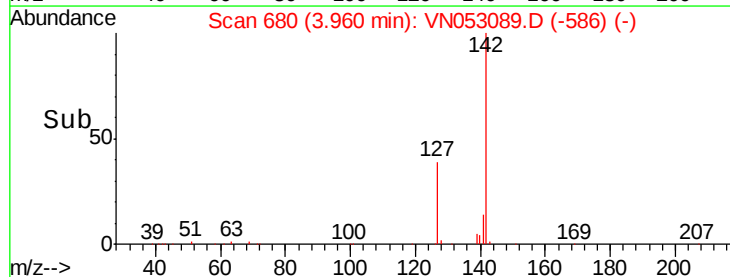
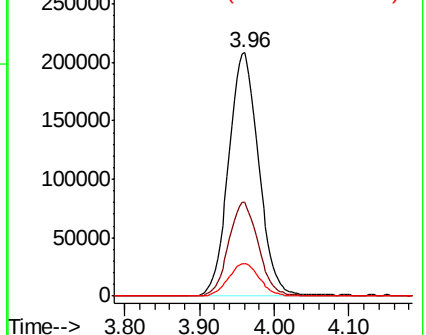
141 13.8 11.2 16.8

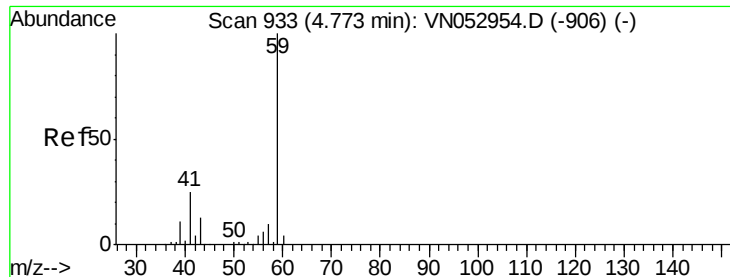


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

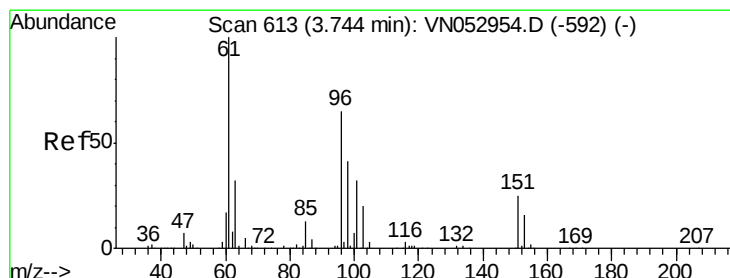
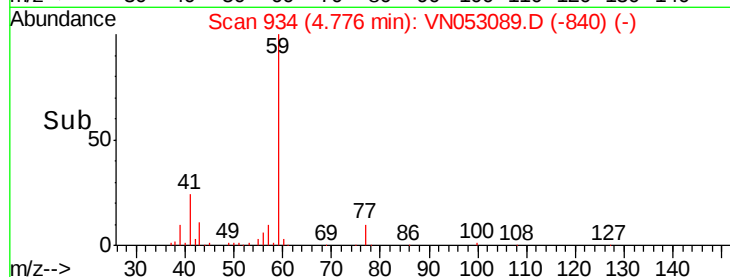
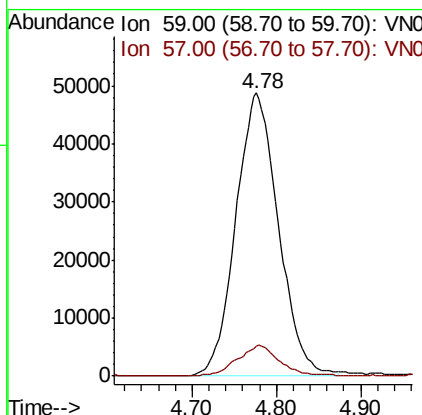
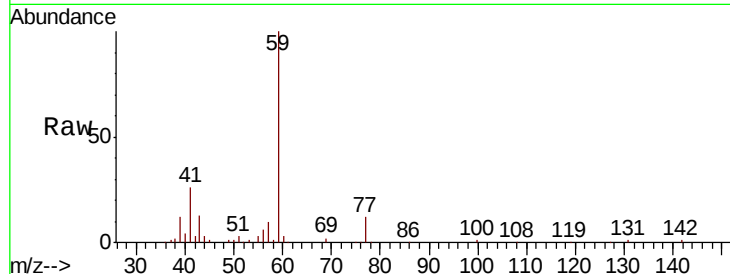




#11
Tert butyl alcohol
Concen: 287.376 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

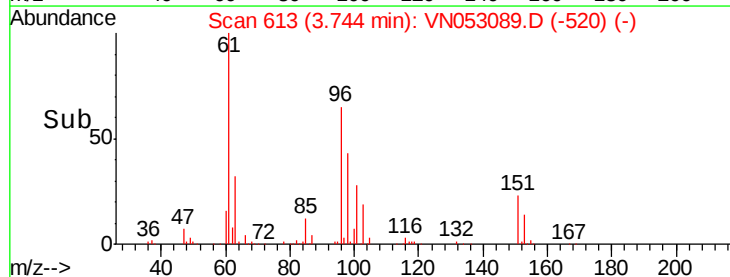
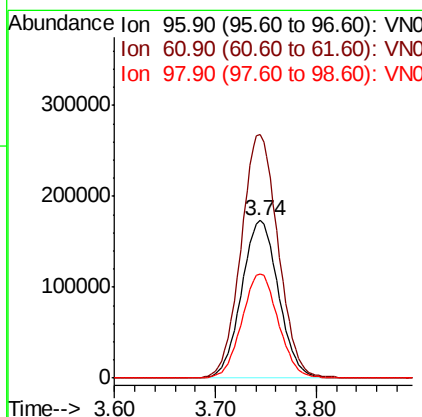
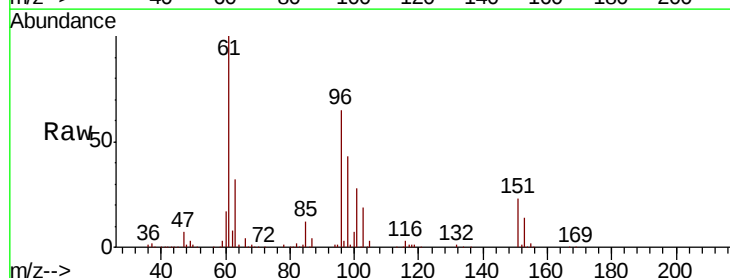
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

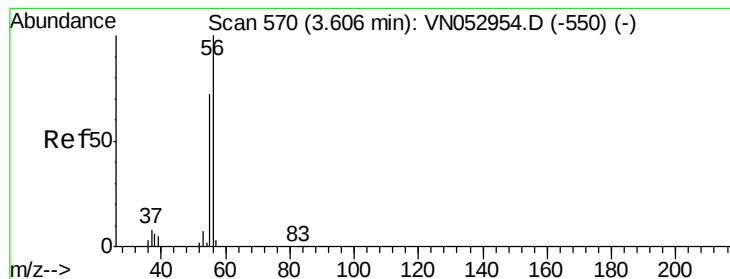
Tot Ion: 59 Resp: 170808
Ion Ratio Lower Upper
59 100
57 10.8 7.7 11.5



#12
1,1-Dichloroethene
Concen: 48.202 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 96 Resp: 441007
Ion Ratio Lower Upper
96 100
61 154.6 125.6 188.4
98 66.3 50.6 75.8





#13

Acrolein

Concen: 209.138 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

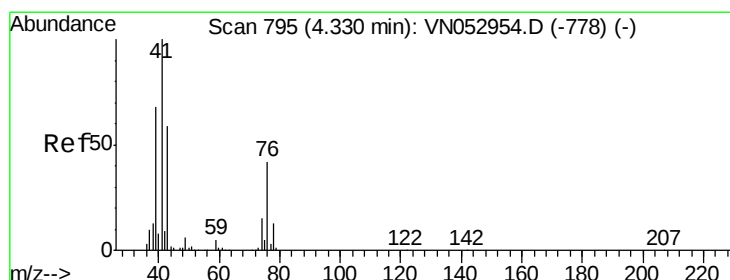
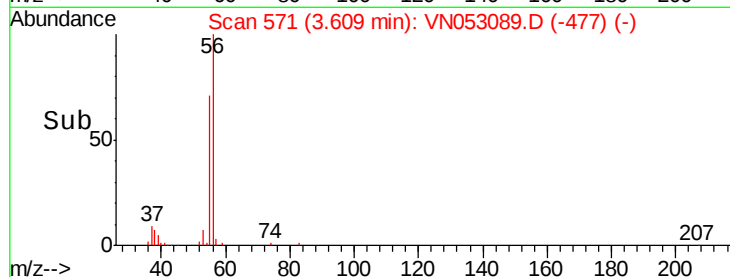
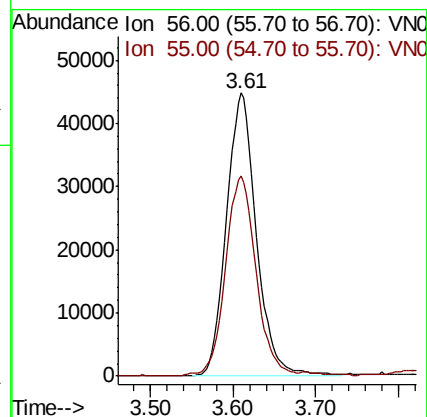
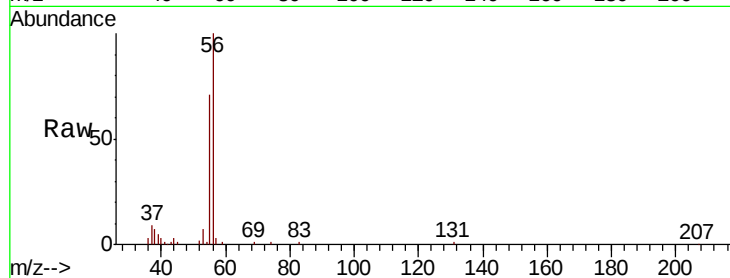
T11-MW-13-8.0-122018MSD

Tot Ion: 56 Resp: 112713

Ion Ratio Lower Upper

56 100

55 72.0 56.6 85.0



#14

Allyl chloride

Concen: 48.238 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

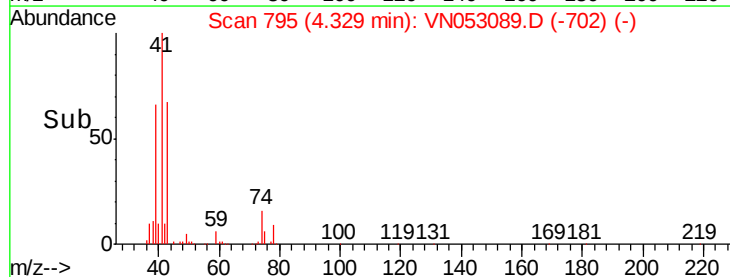
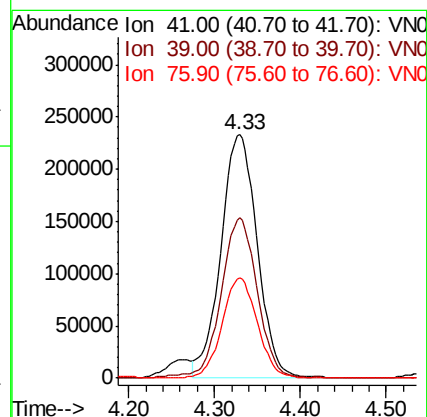
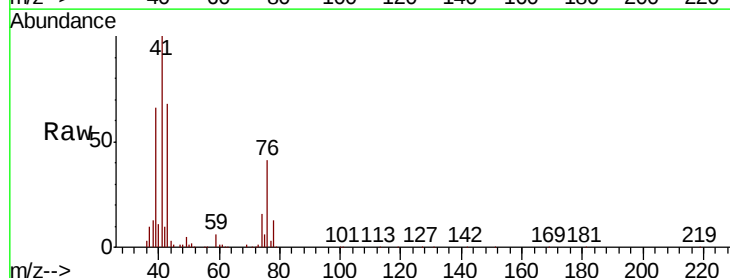
Tgt Ion: 41 Resp: 683625

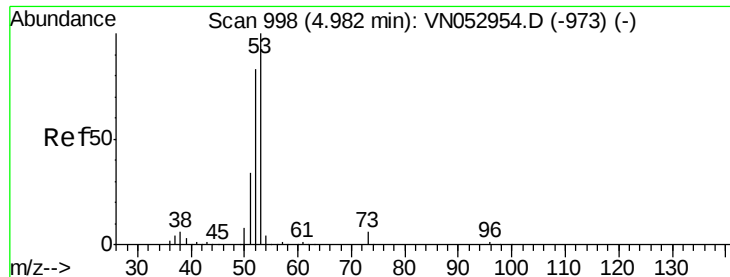
Ion Ratio Lower Upper

41 100

39 65.7 54.1 81.1

76 39.4 30.3 45.5





#15

Acrylonitrile

Concen: 265.644 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

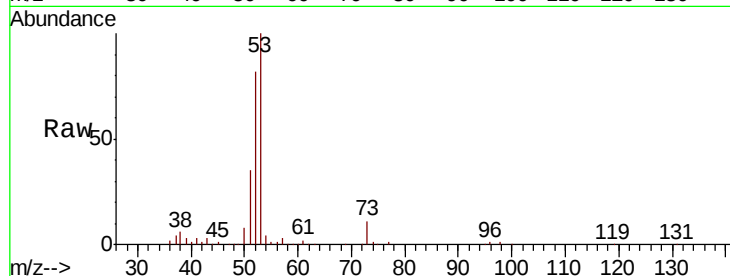
Tot Ion: 53 Resp: 877163

Ion Ratio Lower Upper

53 100

52 81.1 65.1 97.7

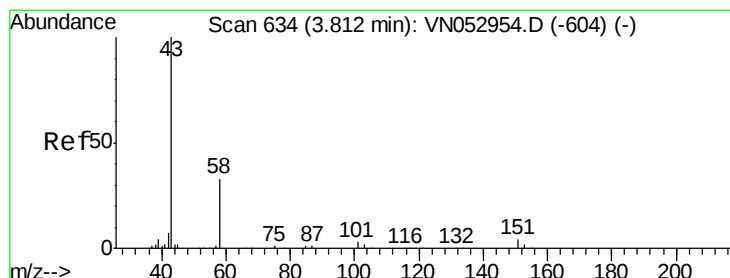
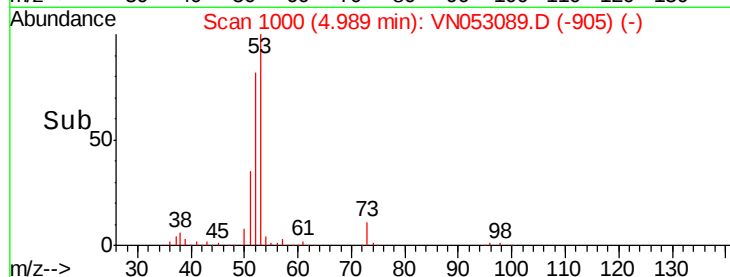
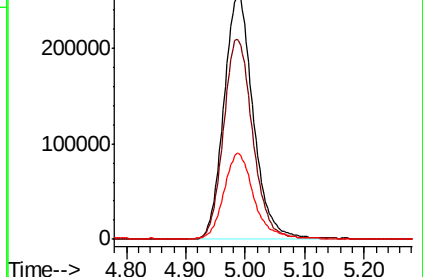
51 35.0 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052954.D (-973) (-)

Ion 52.00 (51.70 to 52.70): VN052954.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VN052954.D (-973) (-)



#16

Acetone

Concen: 307.766 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053089.D

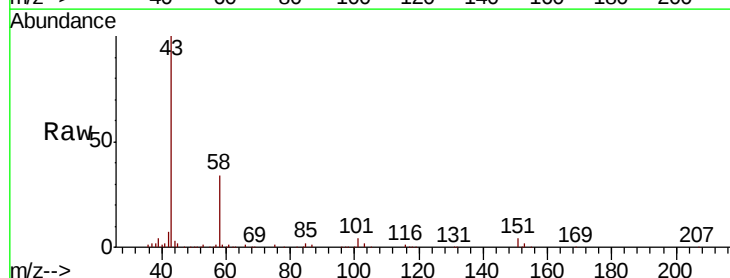
Acq: 21 Dec 2018 6:36

Tgt Ion: 43 Resp: 587816

Ion Ratio Lower Upper

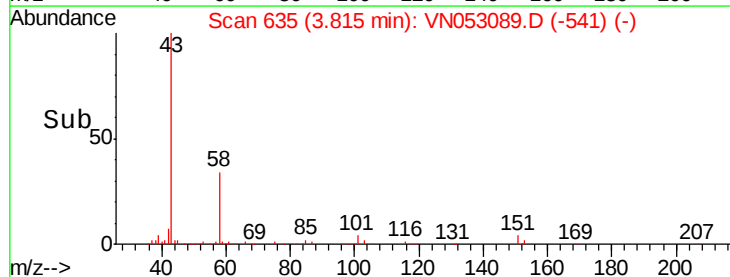
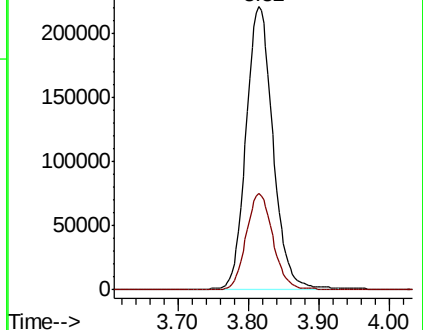
43 100

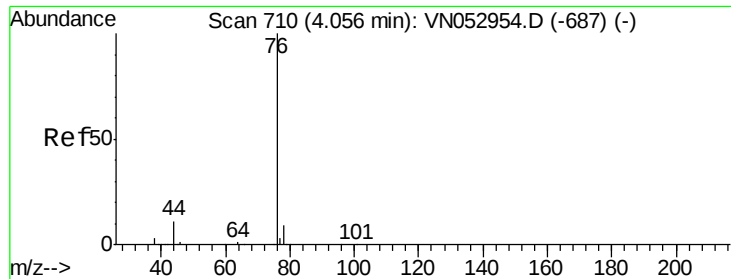
58 33.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-604) (-)

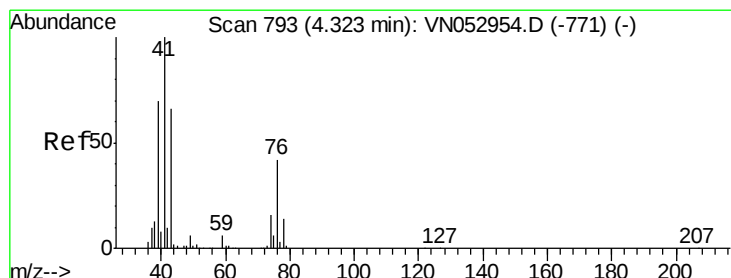
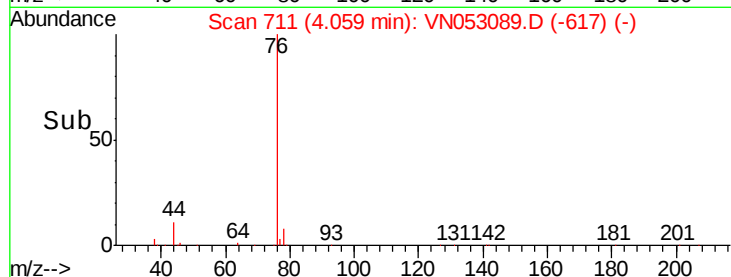
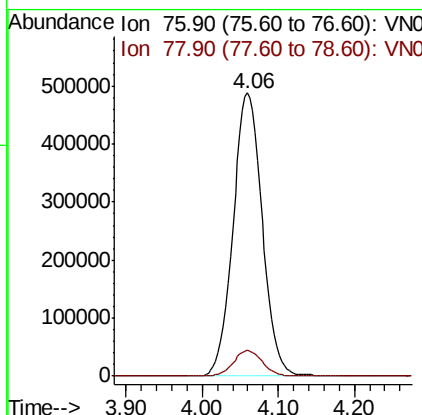
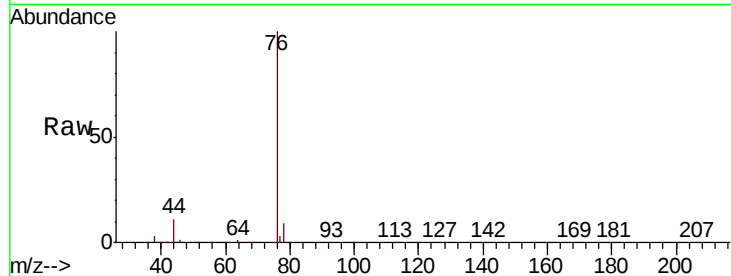




#17
Carbon Disulfide
Concen: 43.513 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

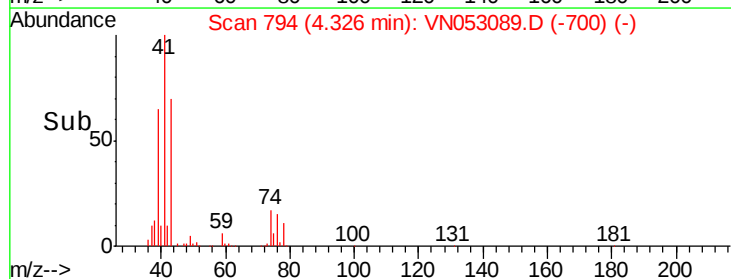
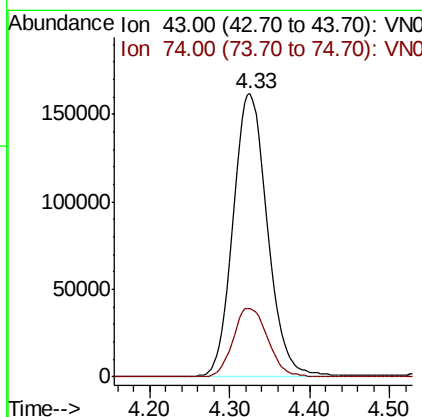
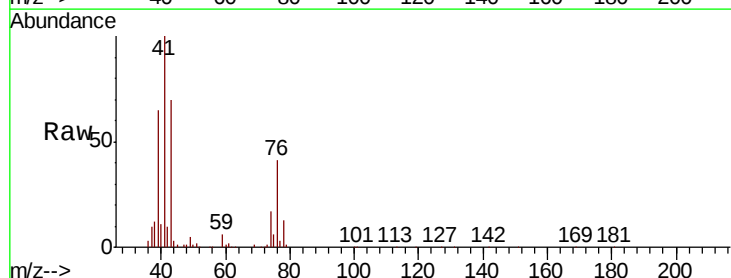
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

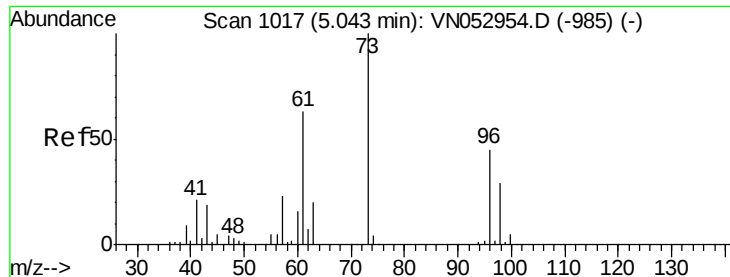
Tot Ion: 76 Resp: 1298311
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 54.016 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 43 Resp: 468953
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8

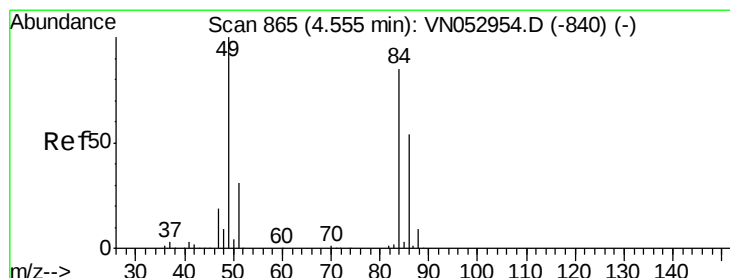
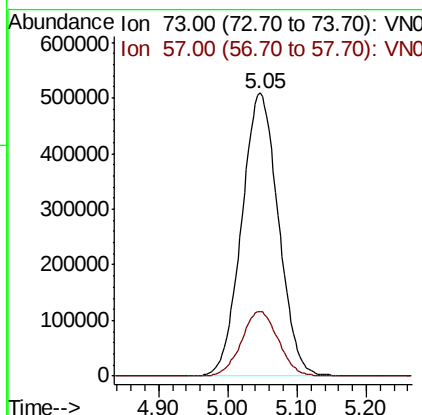
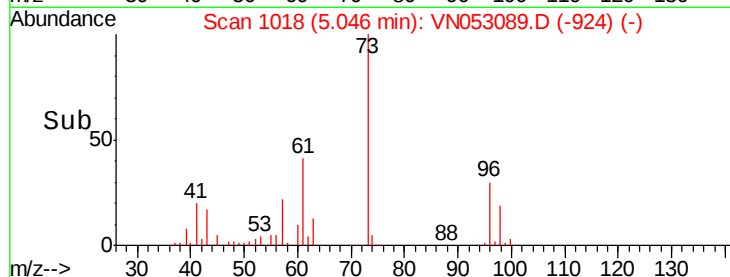
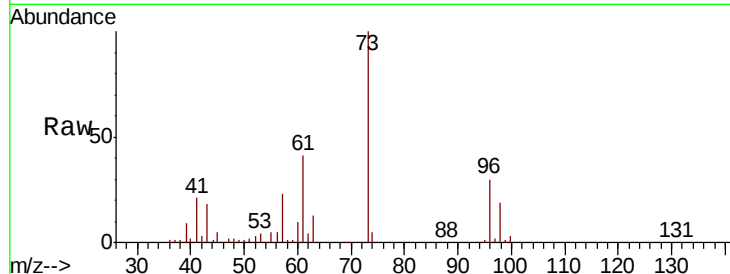




#19
Methyl tert-butyl Ether
Concen: 76.566 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

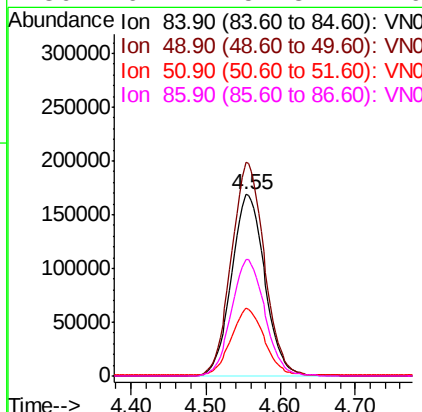
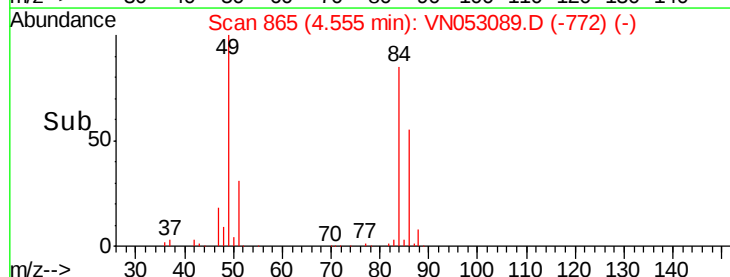
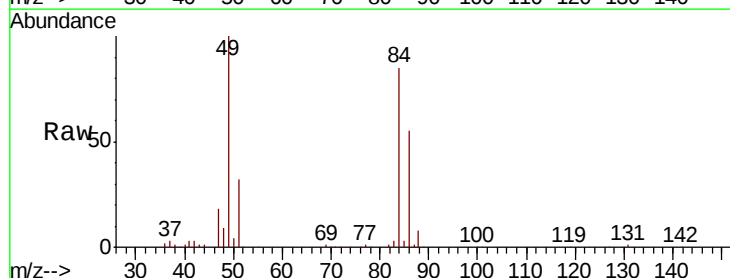
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

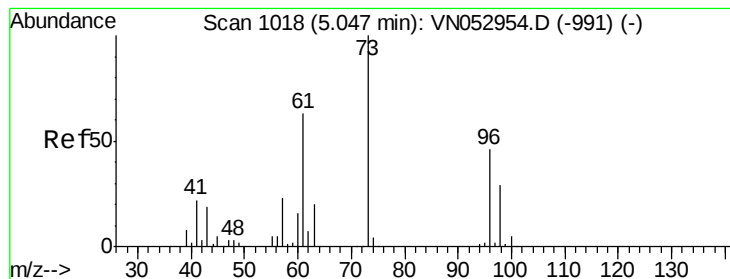
Tot Ion: 73 Resp: 1874630
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6



#20
Methylene Chloride
Concen: 50.099 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 84 Resp: 521956
Ion Ratio Lower Upper
84 100
49 117.6 96.8 145.2
51 36.5 29.9 44.9
86 64.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 50.122 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

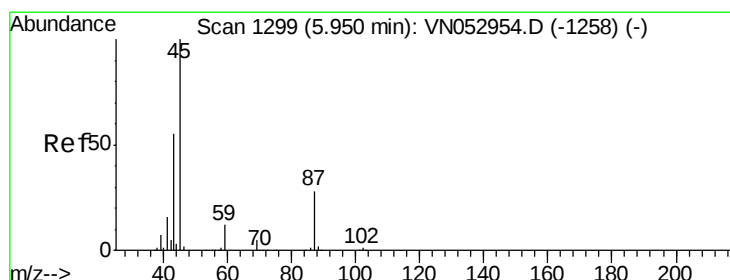
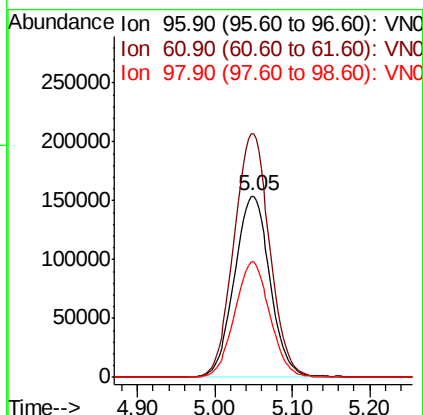
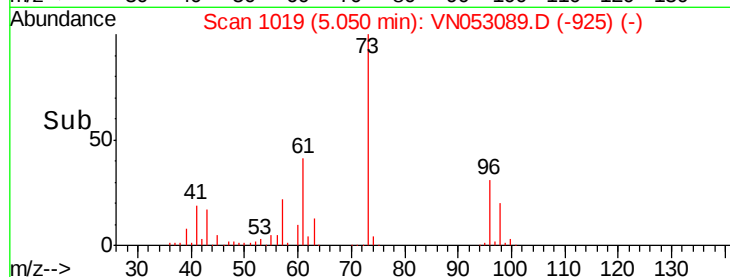
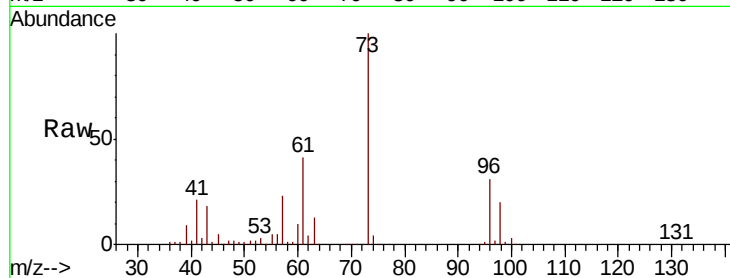
Tot Ion: 96 Resp: 492694

Ion Ratio Lower Upper

96 100

61 134.6 110.8 166.2

98 63.9 51.4 77.2



#22

Diisopropyl ether

Concen: 53.444 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Tgt Ion: 45 Resp: 1616682

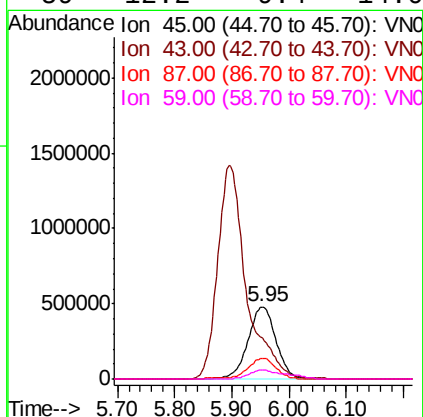
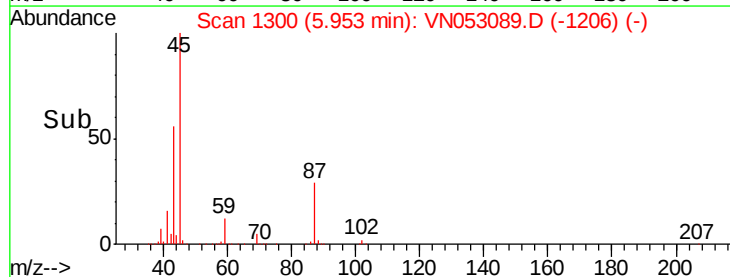
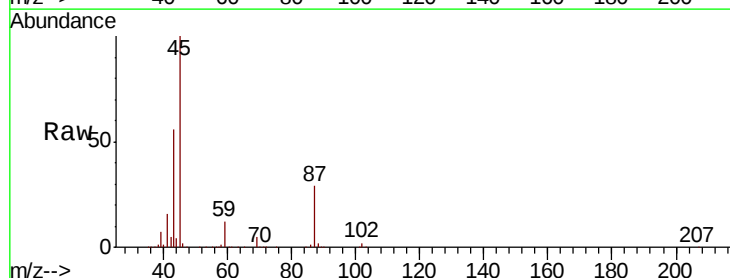
Ion Ratio Lower Upper

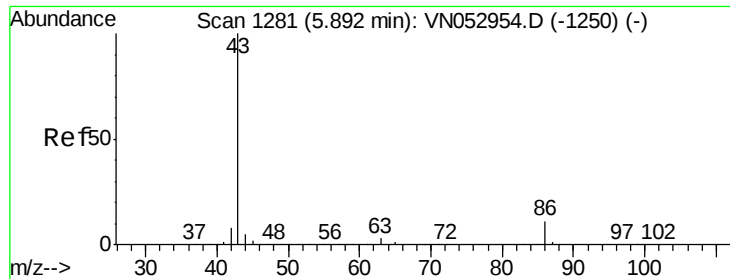
45 100

43 55.7 45.5 68.3

87 29.2 22.0 33.0

59 12.2 9.4 14.0





#23

Vinyl Acetate

Concen: 284.590 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

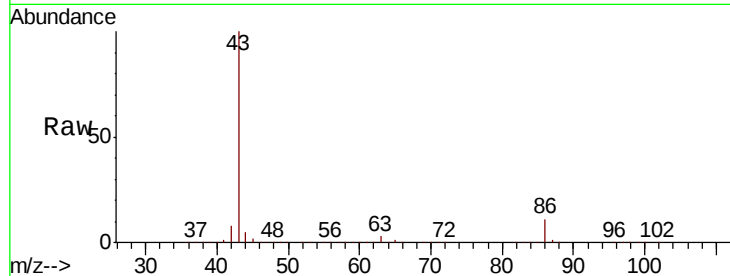
T11-MW-13-8.0-122018MSD

Tot Ion: 43 Resp: 4950311

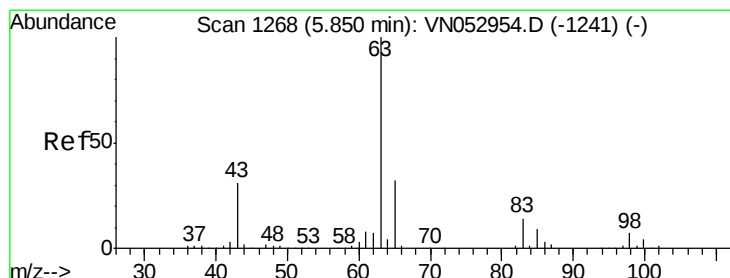
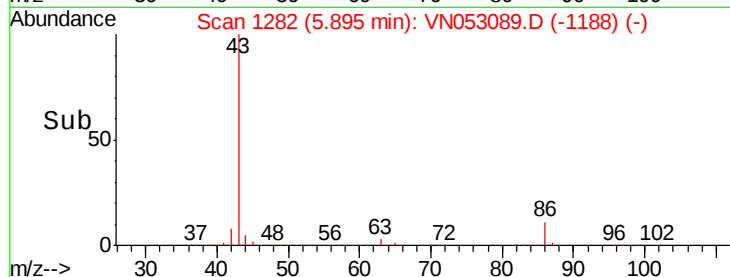
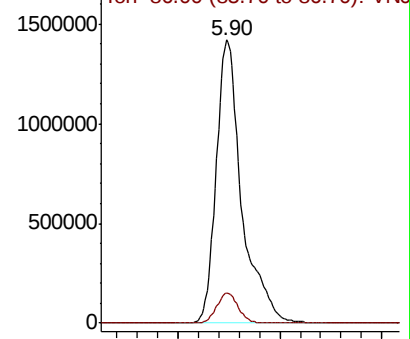
Ion Ratio Lower Upper

43 100

86 10.7 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1250) (-)



#24

1,1-Dichloroethane

Concen: 51.262 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

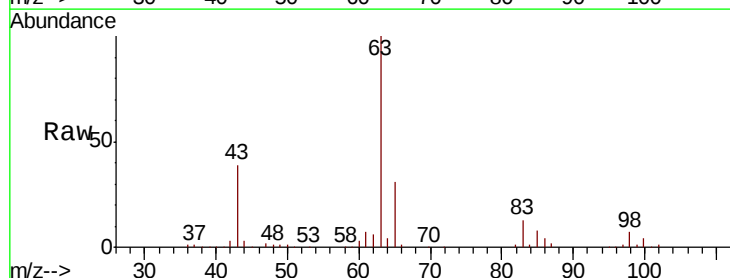
Tgt Ion: 63 Resp: 921450

Ion Ratio Lower Upper

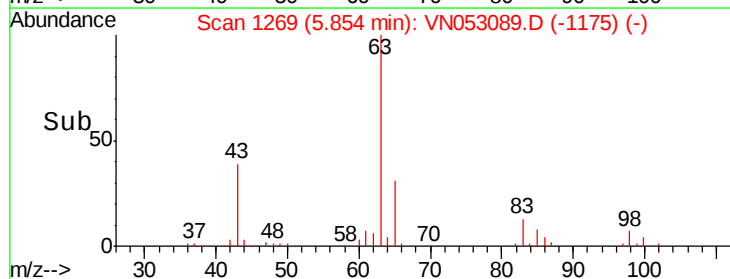
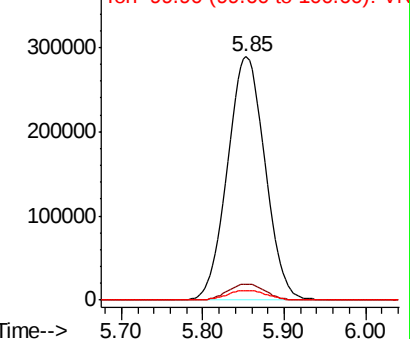
63 100

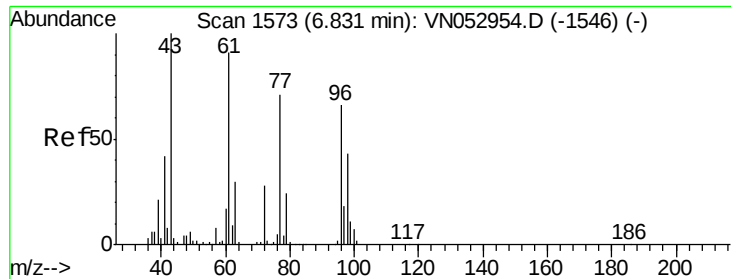
98 6.6 3.1 9.4

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-1241) (-)

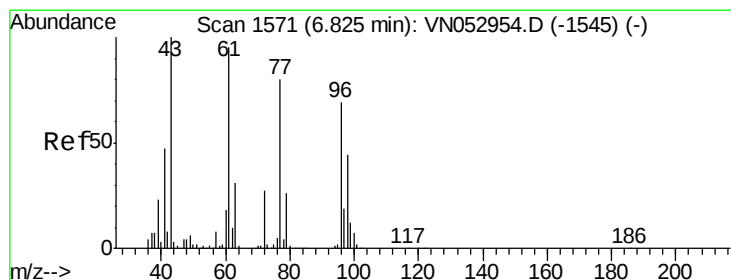
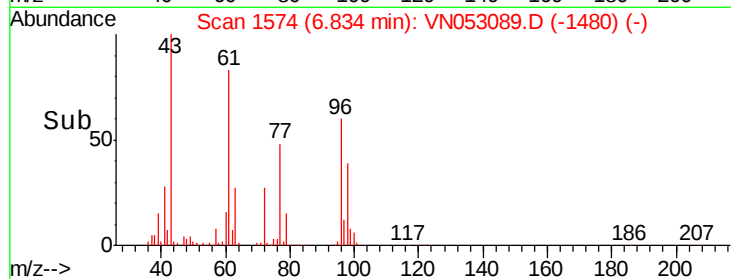
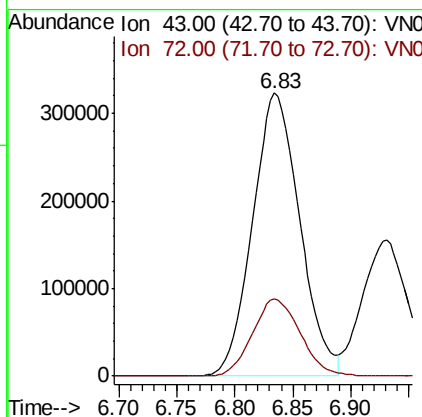
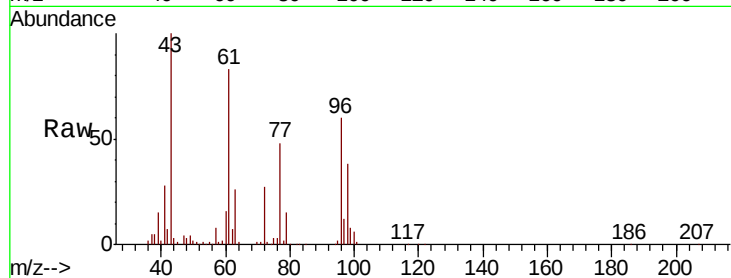




#25
2-Butanone
Concen: 284.686 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

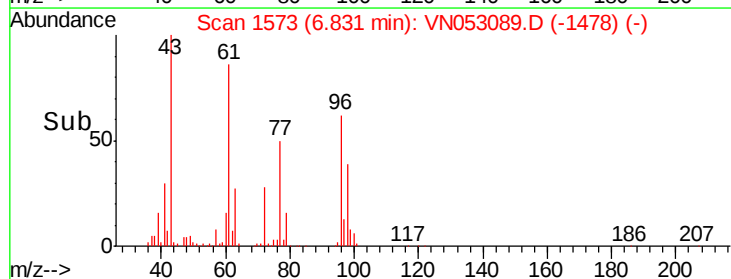
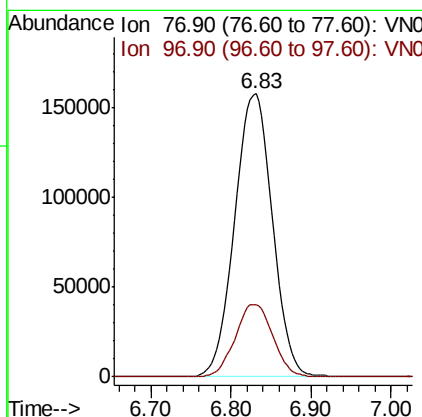
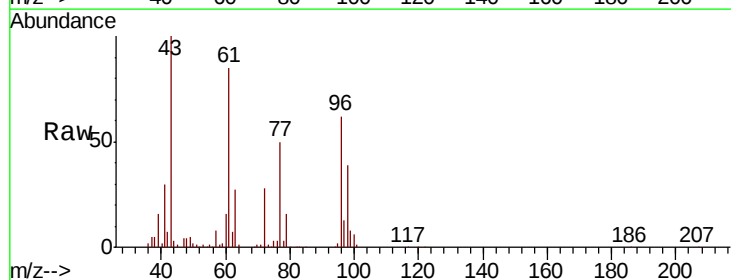
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

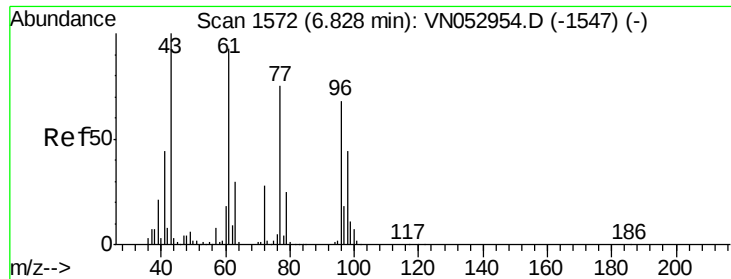
Tot Ion: 43 Resp: 912521
Ion Ratio Lower Upper
43 100
72 27.4 21.0 31.6



#26
2,2-Dichloropropane
Concen: 36.833 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 77 Resp: 505413
Ion Ratio Lower Upper
77 100
97 25.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.893 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

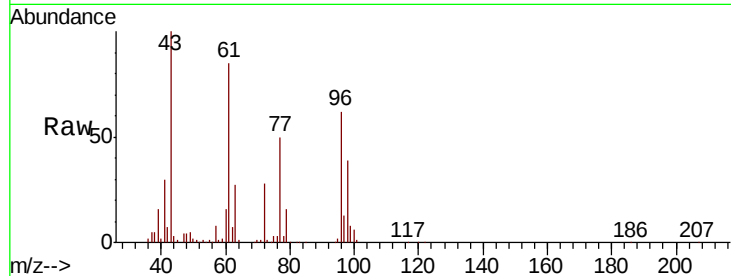
Tot Ion: 96 Resp: 566369

Ion Ratio Lower Upper

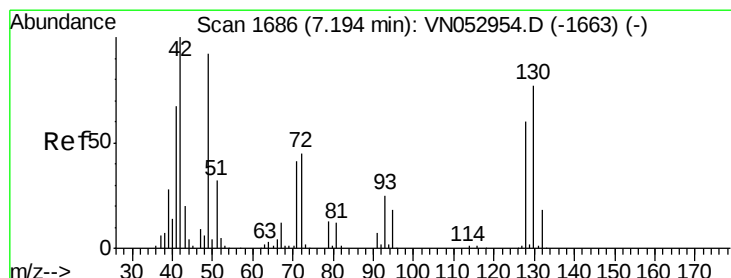
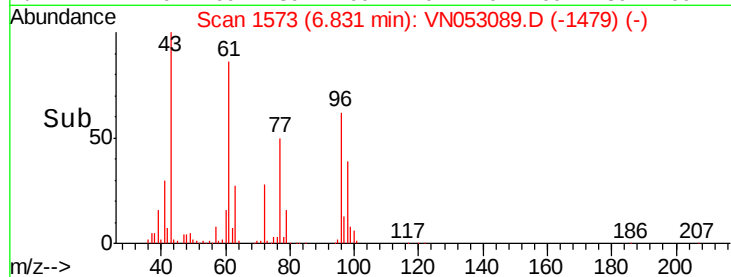
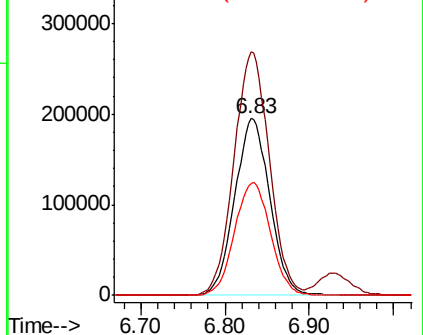
96 100

61 138.7 0.0 284.2

98 65.1 0.0 129.2



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



#28

Bromochloromethane

Concen: 53.260 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

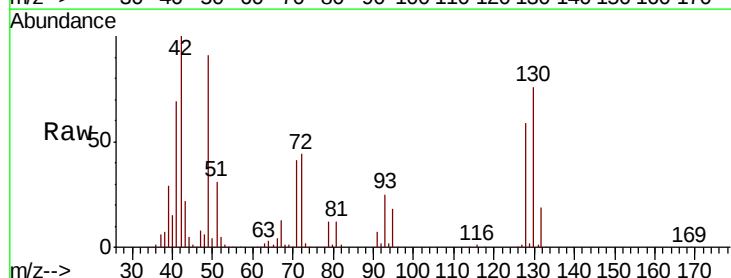
Tgt Ion: 49 Resp: 414845

Ion Ratio Lower Upper

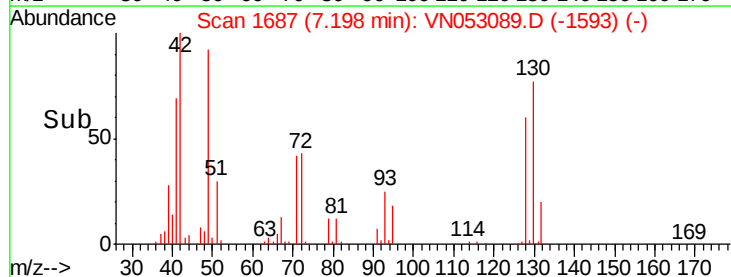
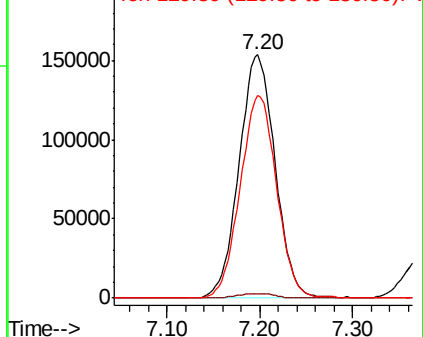
49 100

129 2.0 0.0 4.0

130 84.4 63.3 94.9



Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): VNO
Ion 129.80 (129.50 to 130.50): VNO

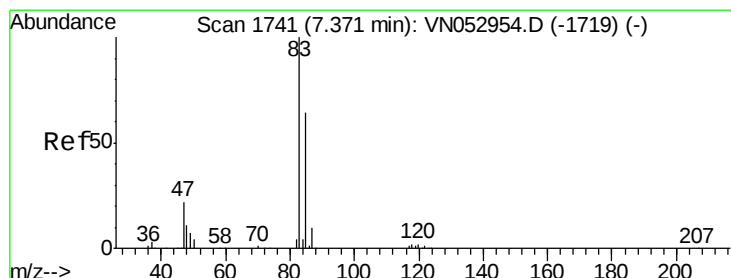
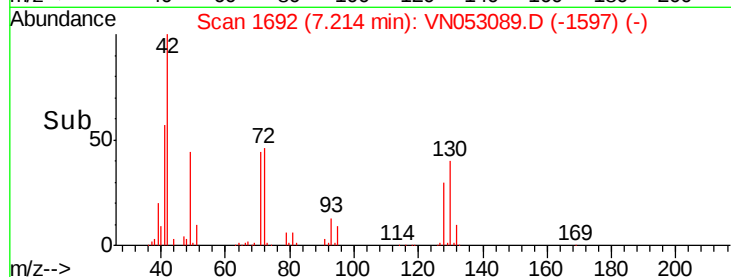
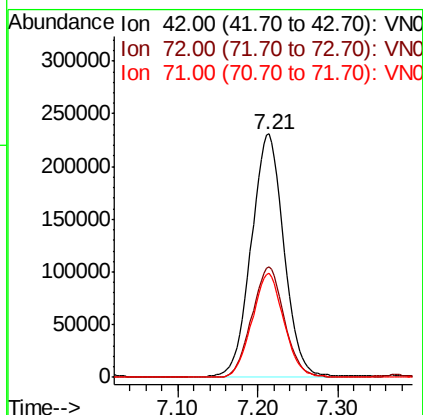
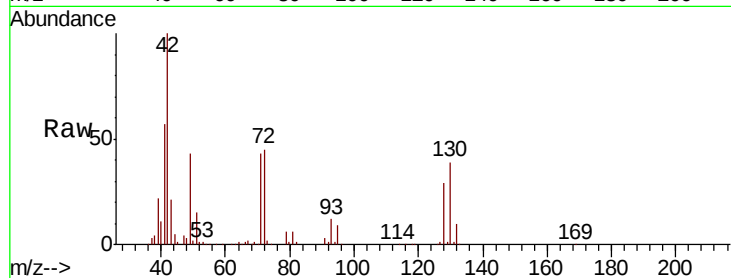




#29
Tetrahydrofuran
Concen: 269.244 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

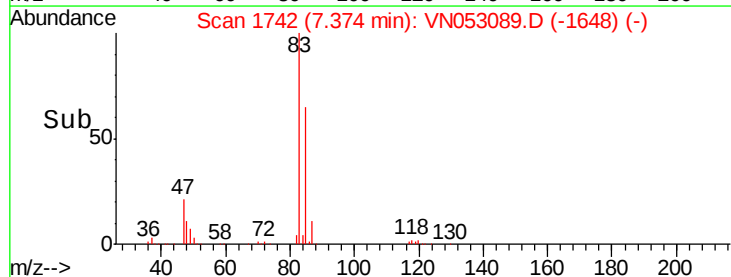
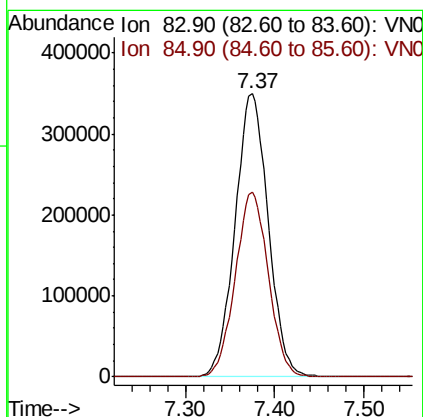
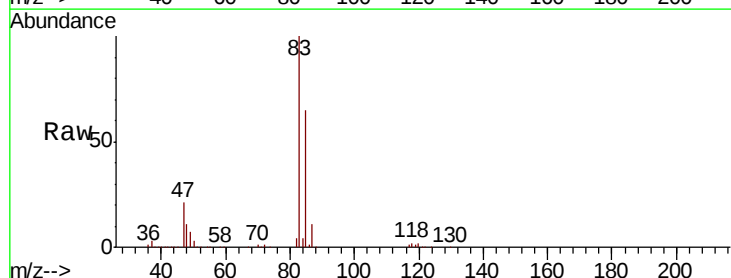
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion: 42 Resp: 644566
Ion Ratio Lower Upper
42 100
72 45.0 34.7 52.1
71 42.0 32.3 48.5



#30
Chloroform
Concen: 51.174 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 83 Resp: 903634
Ion Ratio Lower Upper
83 100
85 65.1 52.1 78.1





#31

Cyclohexane

Concen: 48.253 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

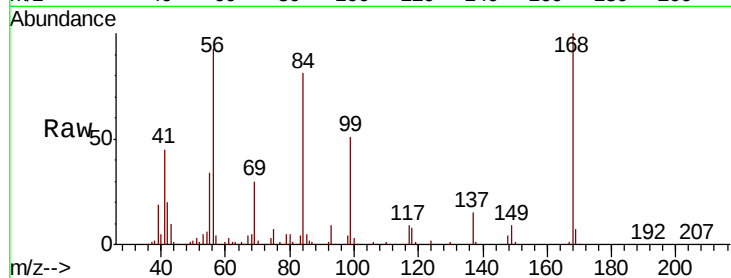
Tot Ion: 56 Resp: 814106

Ion Ratio Lower Upper

56 100

69 32.5 26.6 39.8

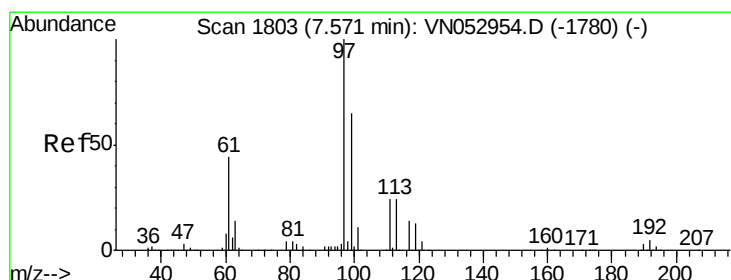
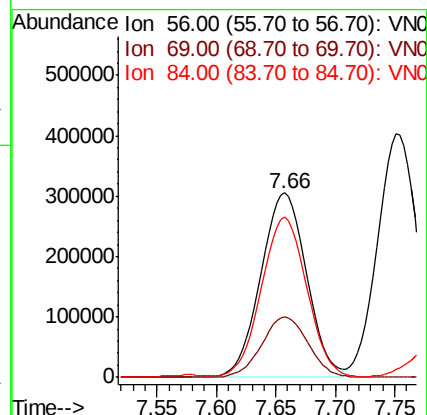
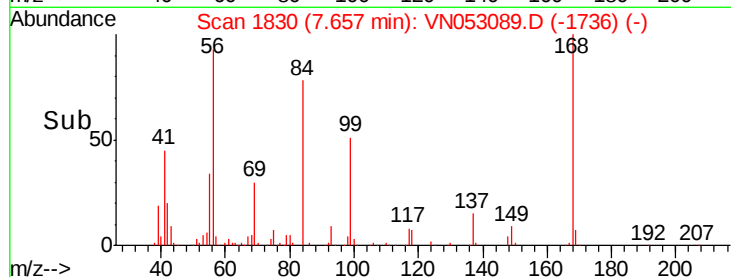
84 85.6 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN052954.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN052954.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN052954.D (-1805) (-)



#32

1,1,1-Trichloroethane

Concen: 49.197 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

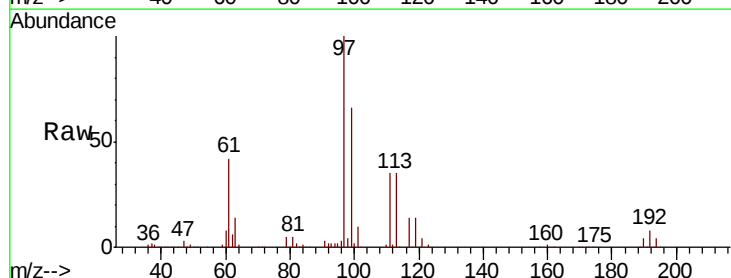
Tgt Ion: 97 Resp: 740046

Ion Ratio Lower Upper

97 100

99 64.9 51.1 76.7

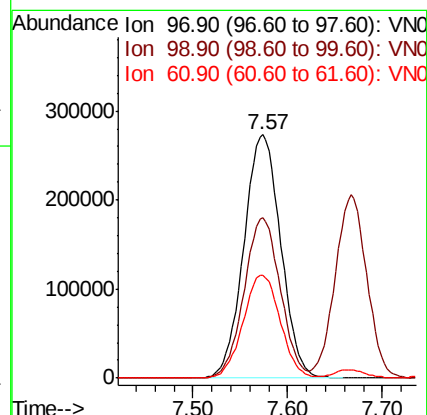
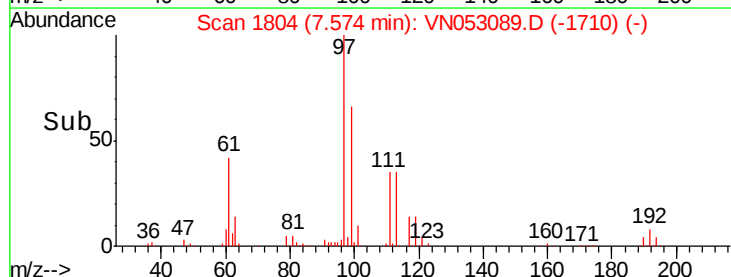
61 42.6 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN052954.D (-1780) (-)

Ion 98.90 (98.60 to 99.60): VN052954.D (-1780) (-)

Ion 60.90 (60.60 to 61.60): VN052954.D (-1780) (-)

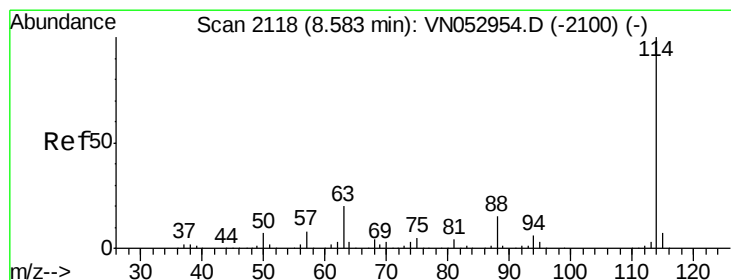
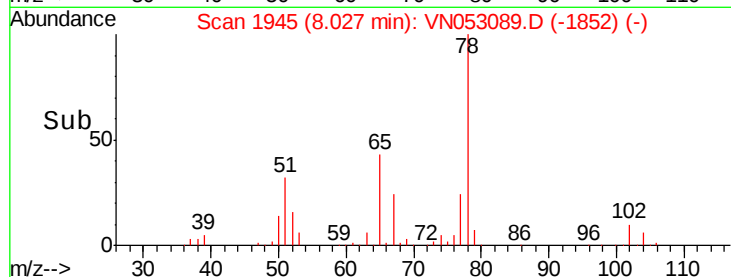
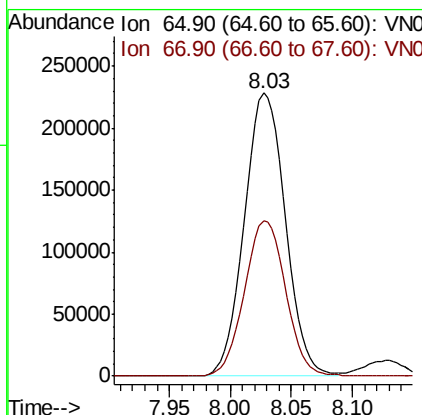
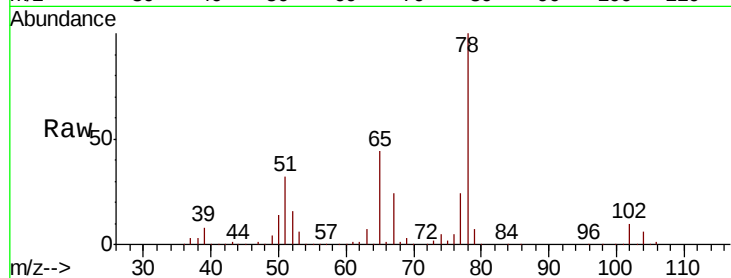




#33
 1,2-Dichloroethane-d4
 Concen: 49.197 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

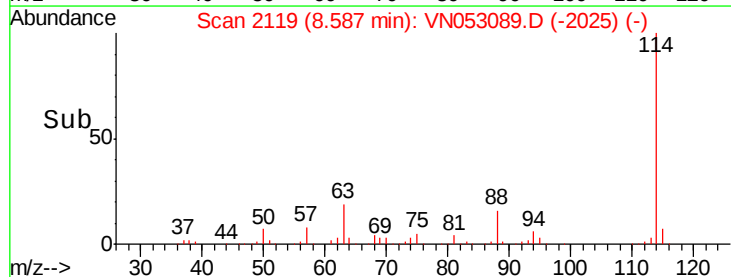
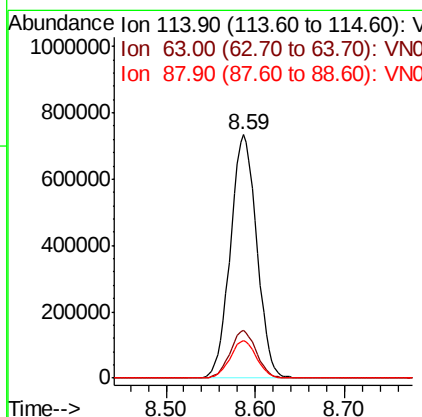
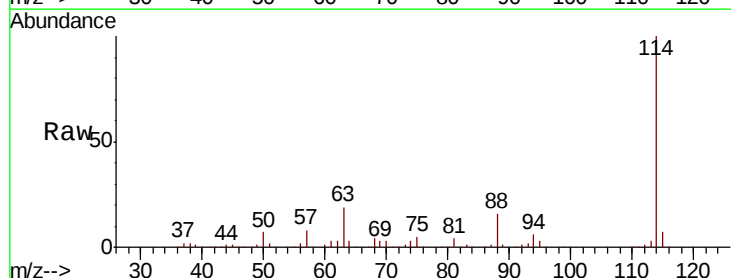
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MSD

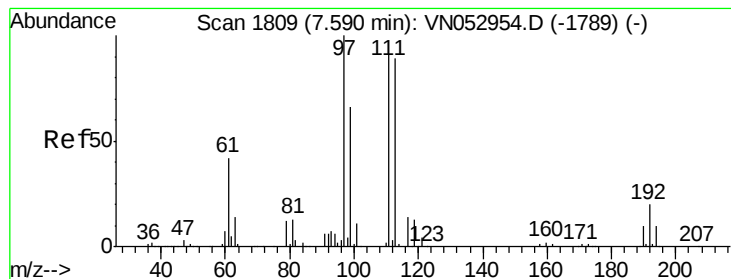
Tot Ion: 65 Resp: 530838
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion: 114 Resp: 1504751
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

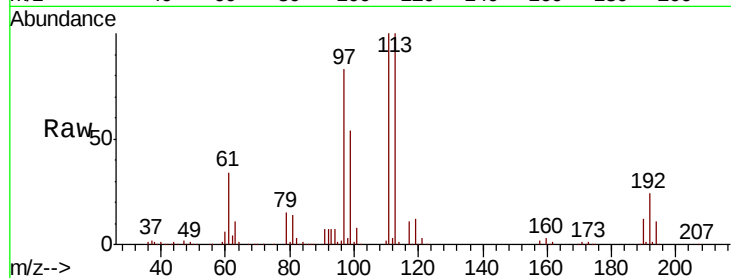
Tot Ion:113 Resp: 451745

Ion Ratio Lower Upper

113 100

111 101.4 83.0 124.4

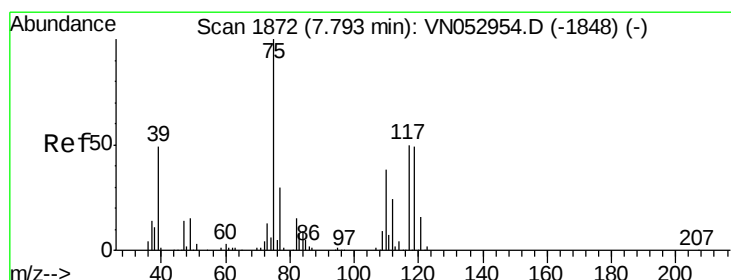
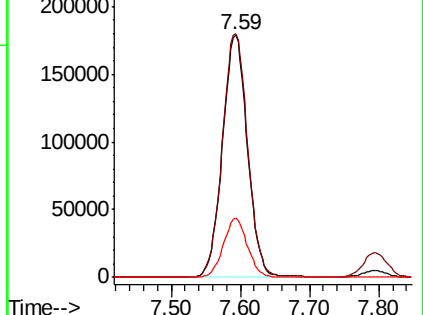
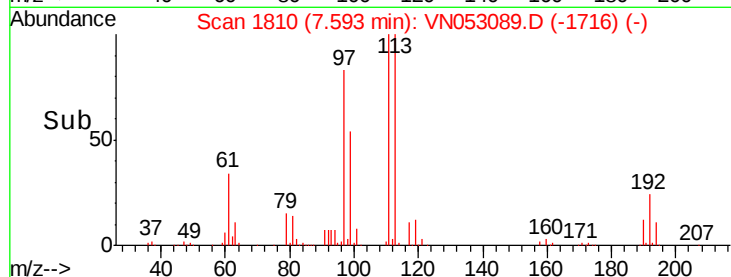
192 23.4 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.181 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

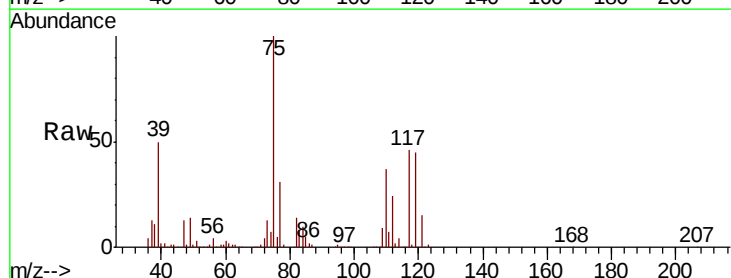
Tgt Ion: 75 Resp: 681436

Ion Ratio Lower Upper

75 100

110 36.6 18.2 54.6

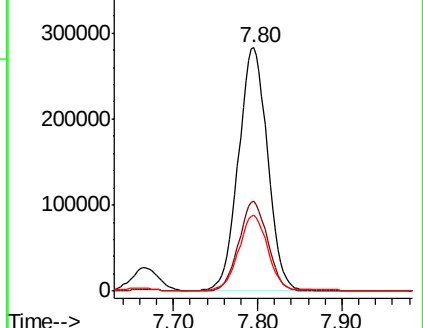
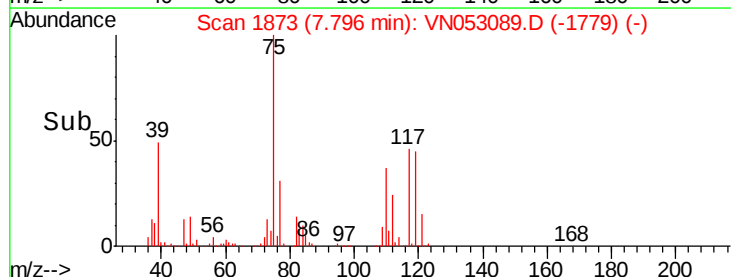
77 31.4 24.9 37.3

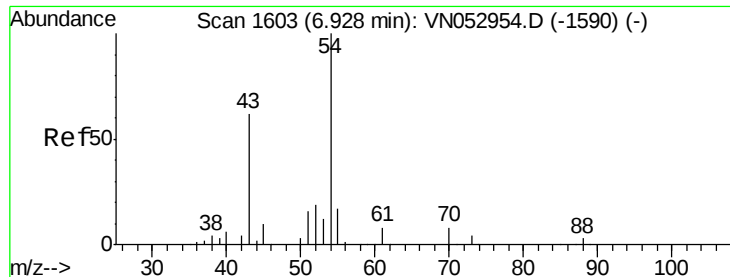


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

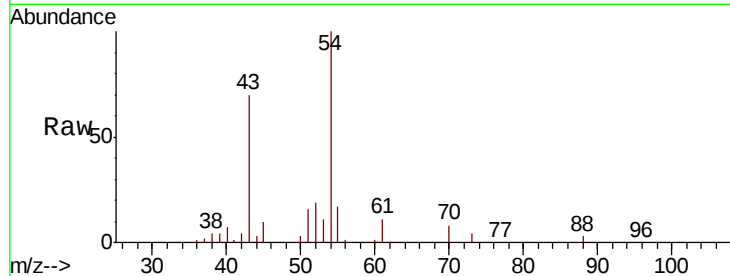




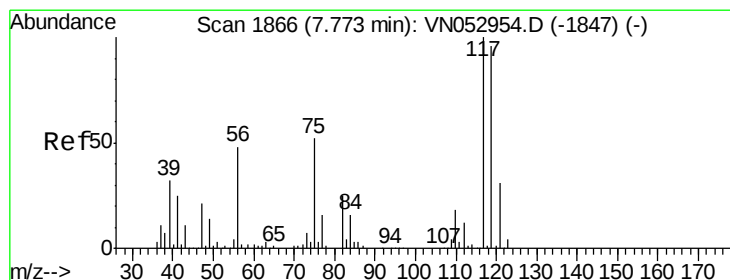
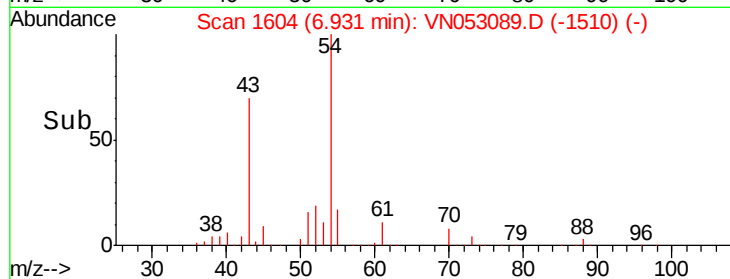
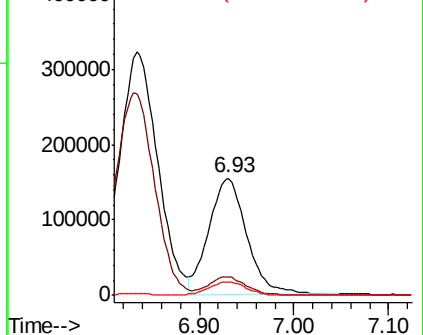
#37
Ethyl Acetate
Concen: 53.624 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion: 43 Resp: 432359
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 11.2 8.4 12.6

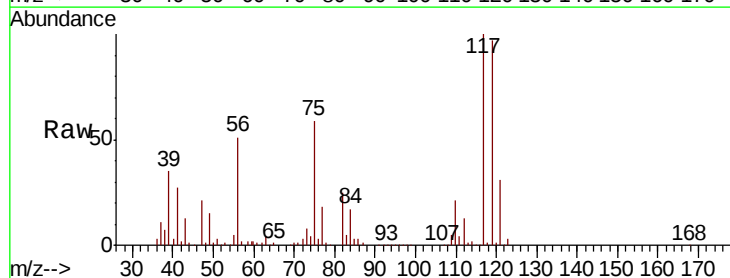


Abundance Ion 43.00 (42.70 to 43.70): VN053089.D (-1510) (-)
Ion 60.90 (60.60 to 61.60): VN053089.D (-1510) (-)
Ion 70.00 (69.70 to 70.70): VN053089.D (-1510) (-)

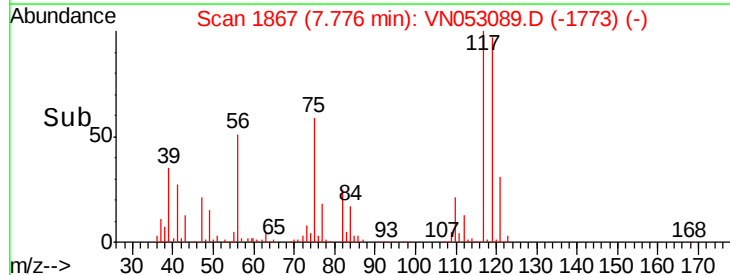
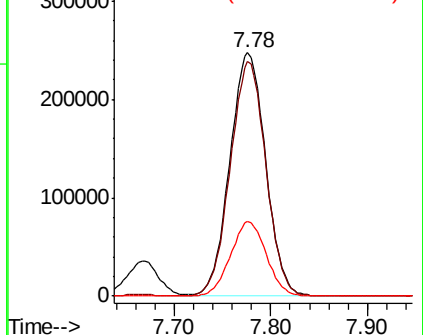


#38
Carbon Tetrachloride
Concen: 47.892 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 117 Resp: 634013
Ion Ratio Lower Upper
117 100
119 96.6 77.1 115.7
121 30.6 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): VN053089.D (-1773) (-)
Ion 118.80 (118.50 to 119.50): VN053089.D (-1773) (-)
Ion 120.80 (120.50 to 121.50): VN053089.D (-1773) (-)

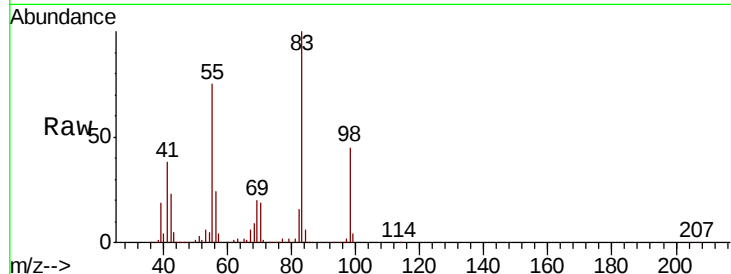




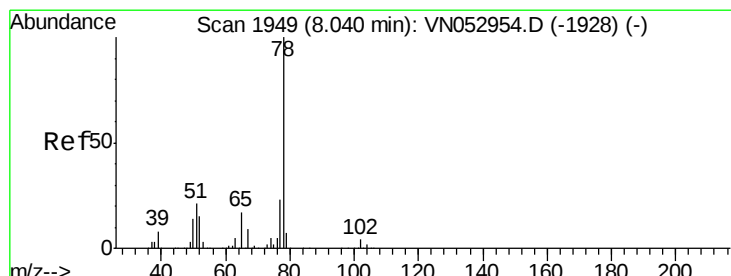
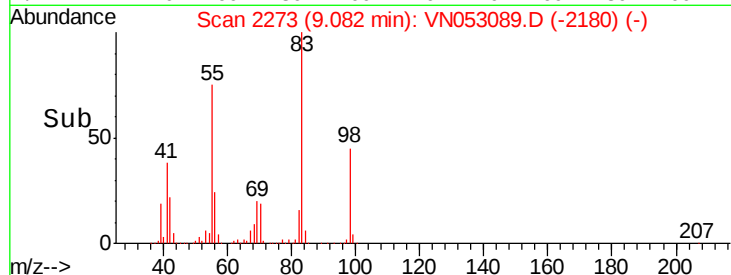
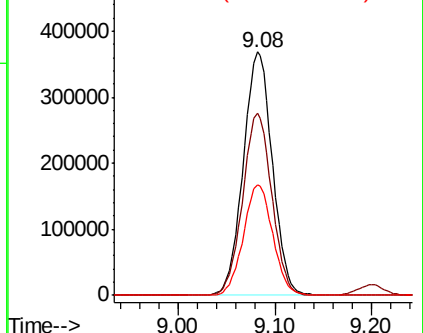
#39
Methvlcvclohexane
Concen: 43.872 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion: 83 Resp: 769756
Ion Ratio Lower Upper
83 100
55 74.8 61.3 91.9
98 45.3 37.0 55.4

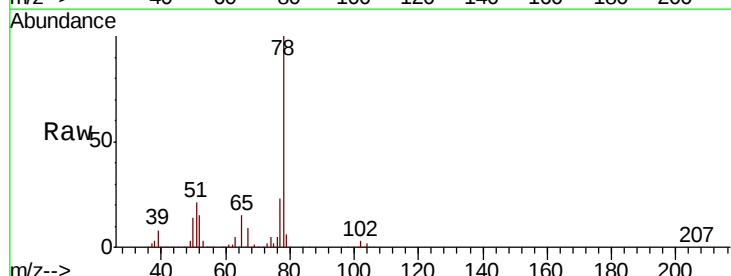


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

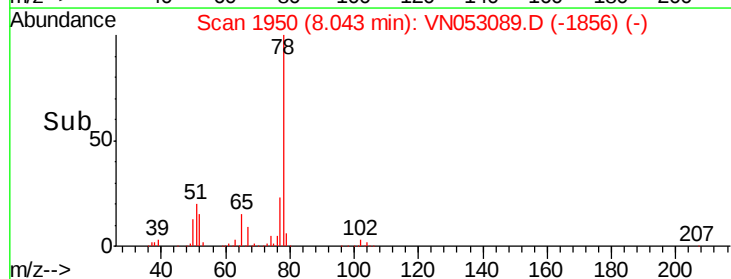
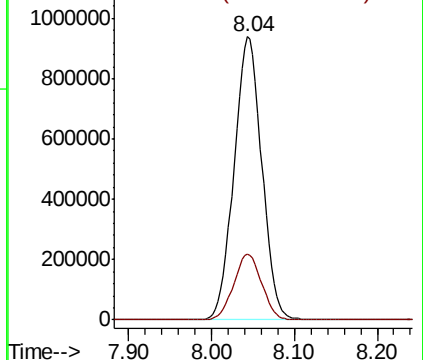


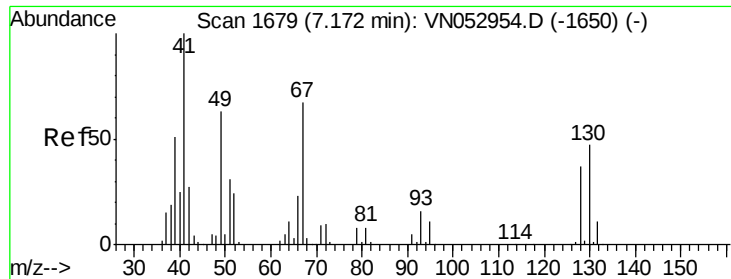
#40
Benzene
Concen: 50.981 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 78 Resp: 2190151
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

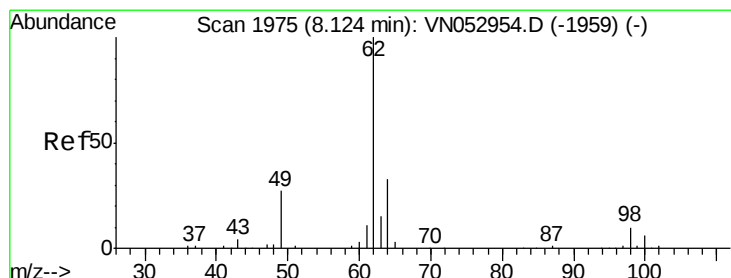
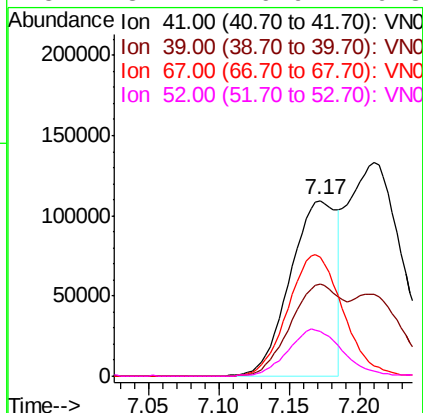
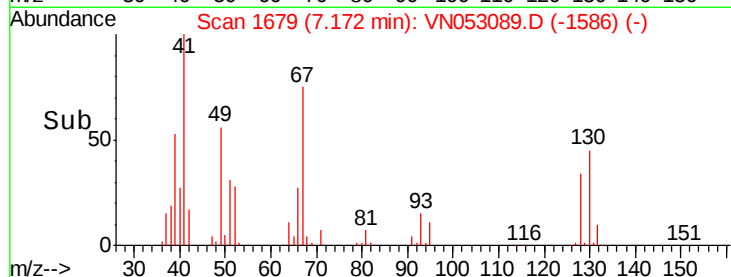
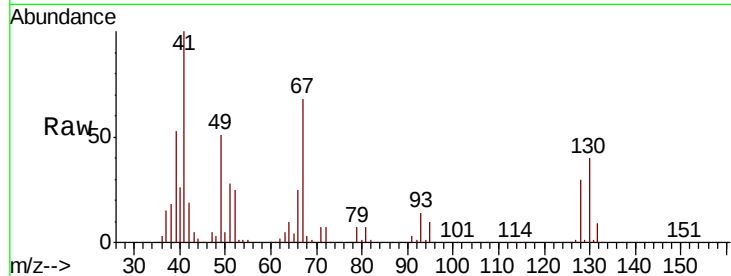




#41
Methacrylonitrile
Concen: 53.874 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

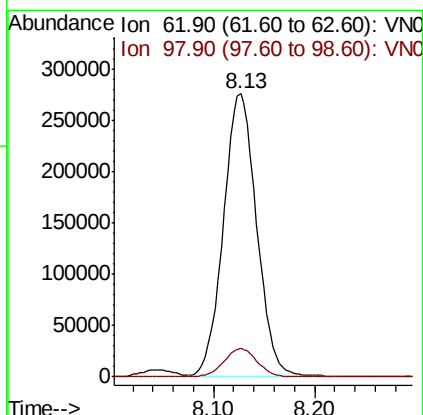
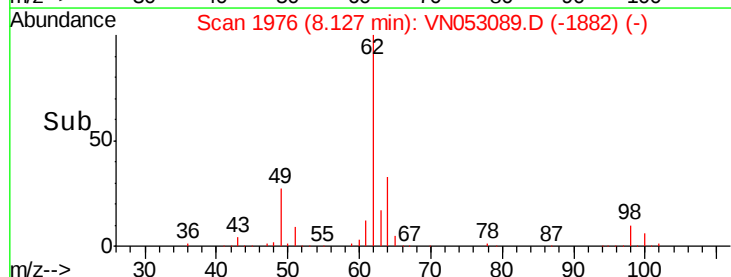
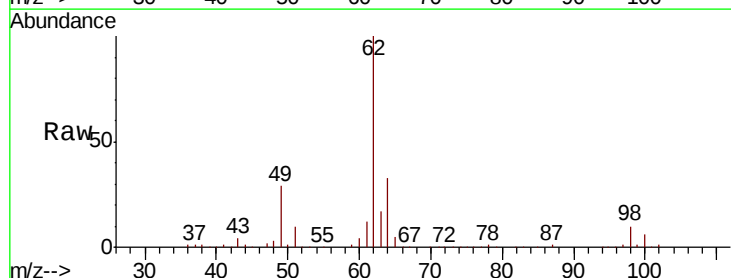
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

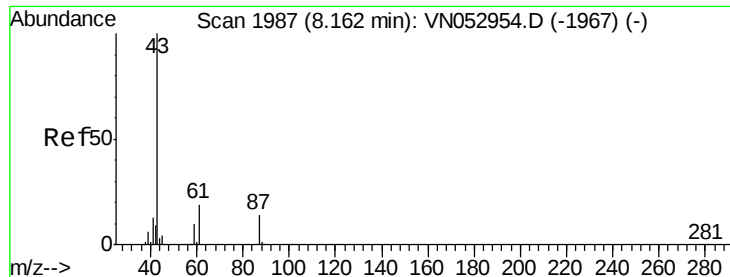
Tot Ion: 41 Resp: 250979
Ion Ratio Lower Upper
41 100
39 58.3 48.0 72.0
67 82.2 70.3 105.5
52 31.4 26.9 40.3



#42
1,2-Dichloroethane
Concen: 49.859 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 62 Resp: 632779
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.0





#43

Isopropyl Acetate

Concen: 53.103 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

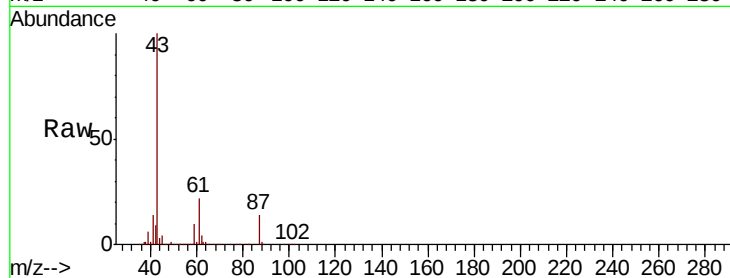
Tot Ion: 43 Resp: 827549

Ion Ratio Lower Upper

43 100

61 29.1 22.9 34.3

87 14.0 10.6 15.8

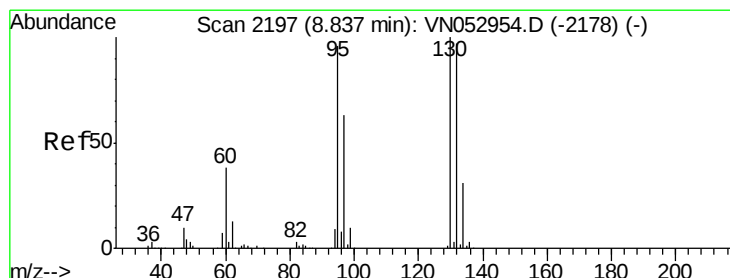
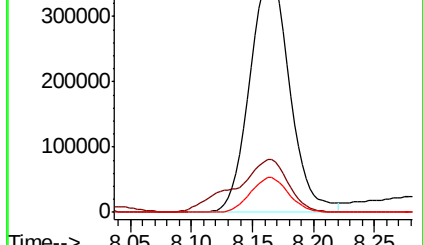
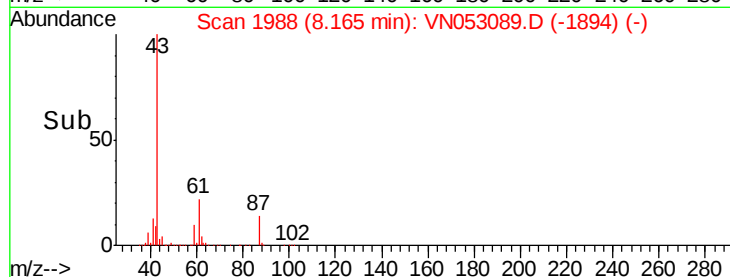


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 45.691 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053089.D

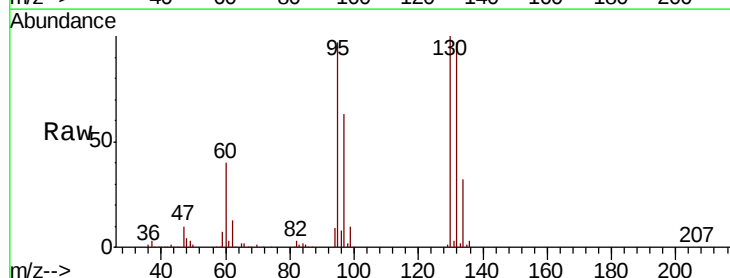
Acq: 21 Dec 2018 6:36

Tgt Ion: 130 Resp: 567745

Ion Ratio Lower Upper

130 100

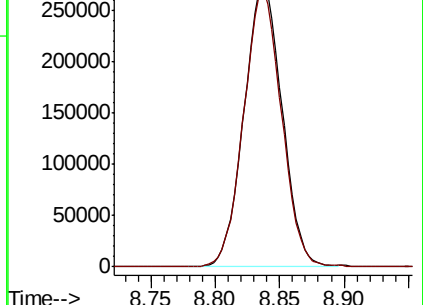
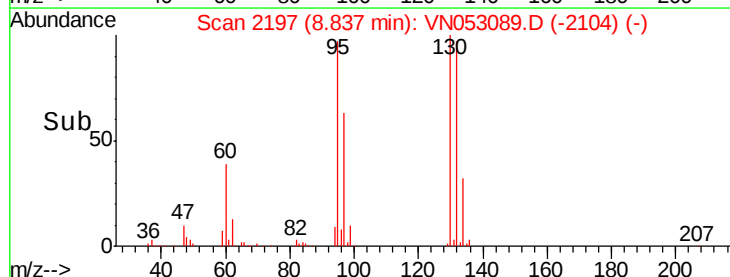
95 97.3 0.0 197.8

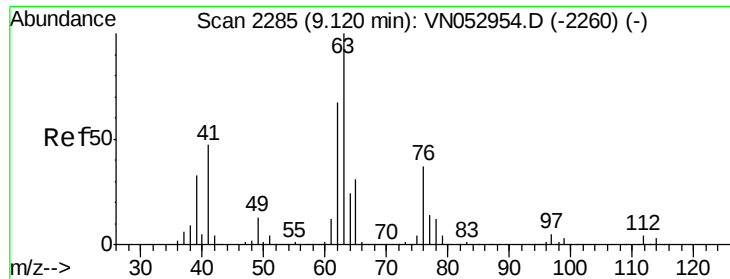


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Time-->

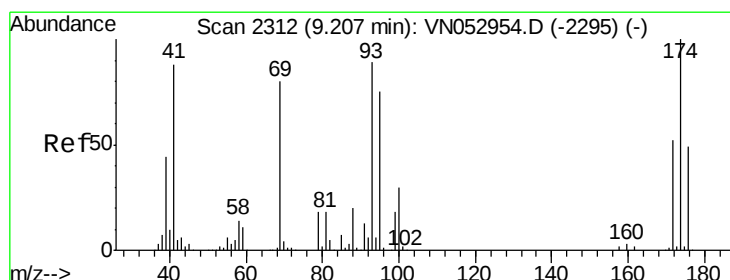
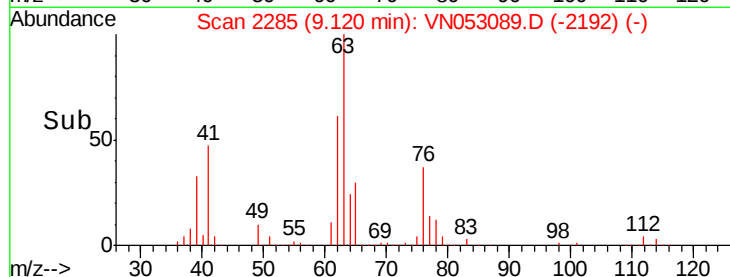
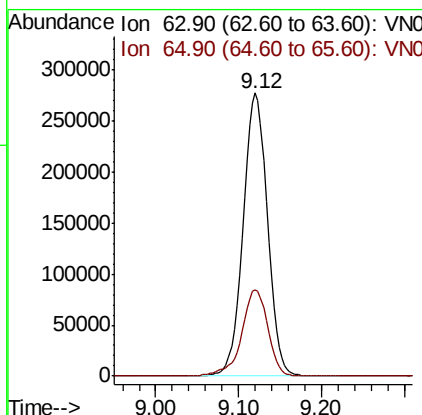
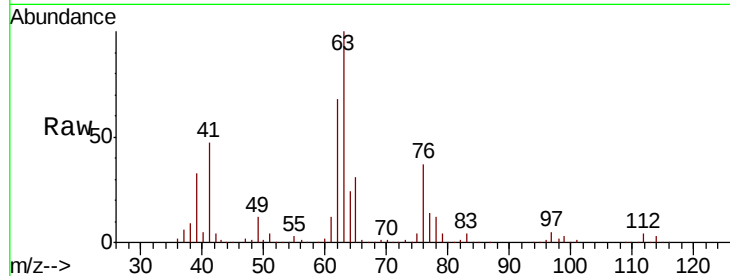




#45
 1,2-Dichloropropane
 Concen: 50.539 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

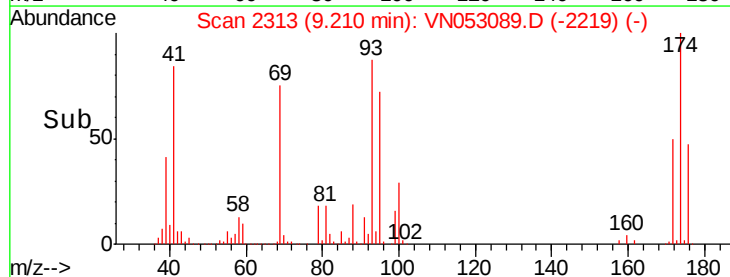
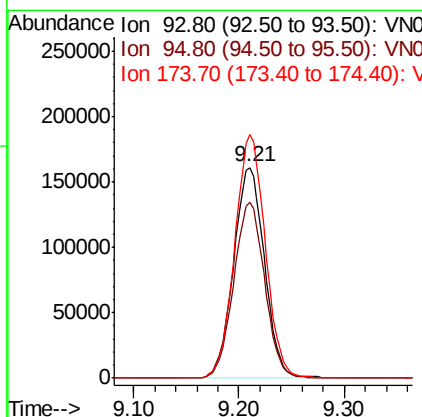
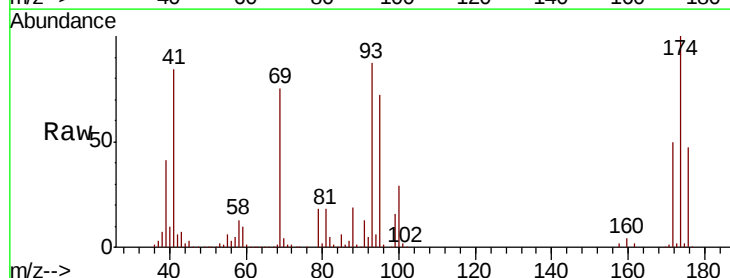
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MSD

Tot Ion: 63 Resp: 565529
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0



#46
 Dibromomethane
 Concen: 50.073 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion: 93 Resp: 326406
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.8 101.6
 174 114.3 89.0 133.4





#47

Bromodichloromethane

Concen: 49.906 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

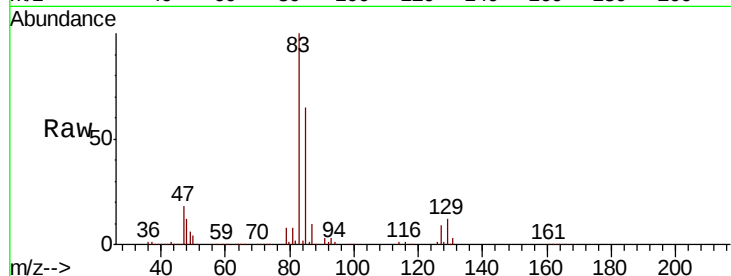
Tot Ion: 83 Resp: 691518

Ion Ratio Lower Upper

83 100

85 64.5 51.6 77.4

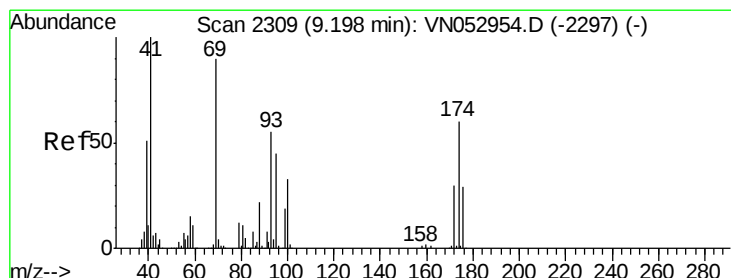
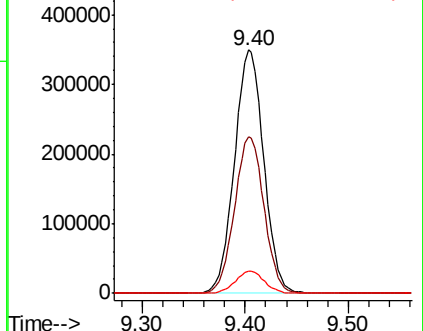
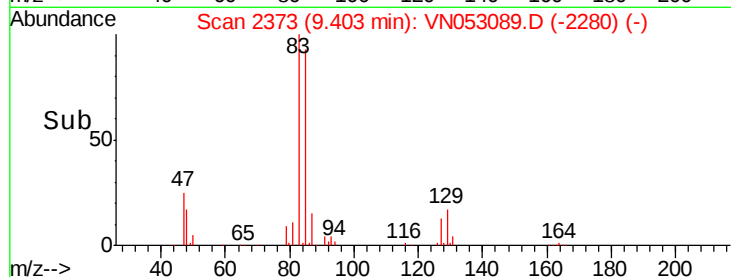
127 8.9 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053089.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053089.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053089.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.589 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

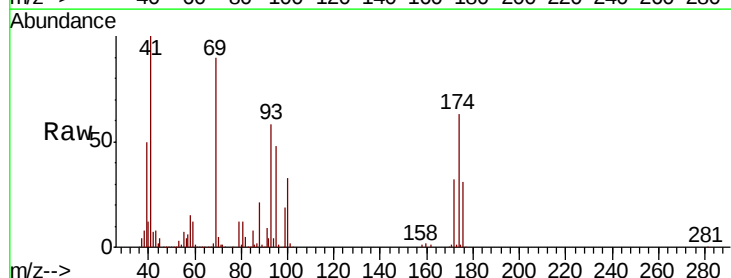
Tgt Ion: 41 Resp: 403629

Ion Ratio Lower Upper

41 100

69 92.1 72.2 108.2

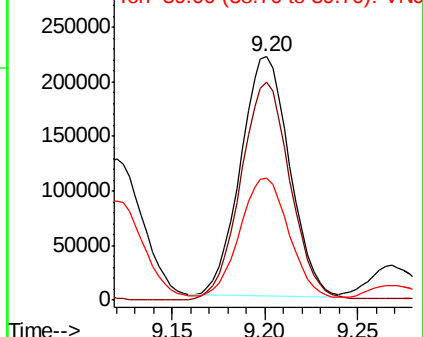
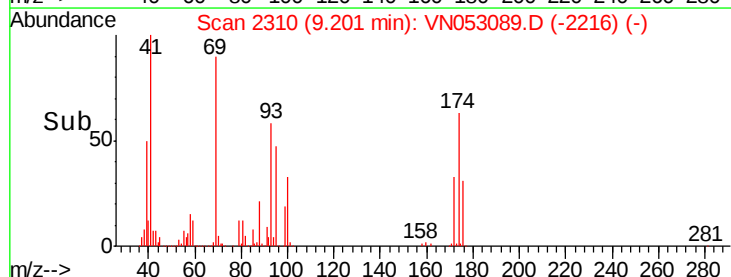
39 52.2 41.9 62.9

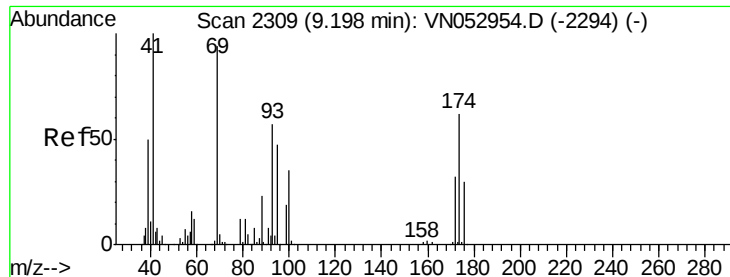


Abundance Ion 41.00 (40.70 to 41.70): VN053089.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053089.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053089.D (-2216) (-)

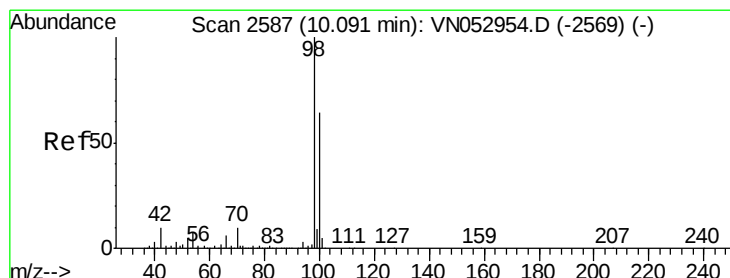
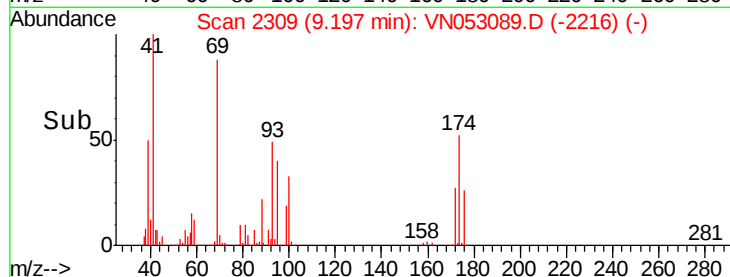
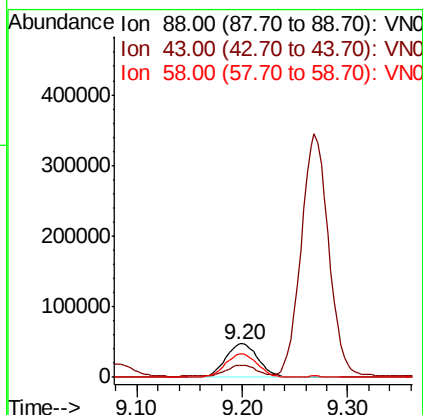
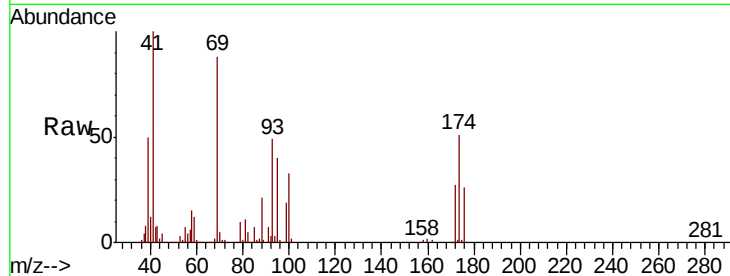




#49
1,4-Dioxane
Concen: 1030.172 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

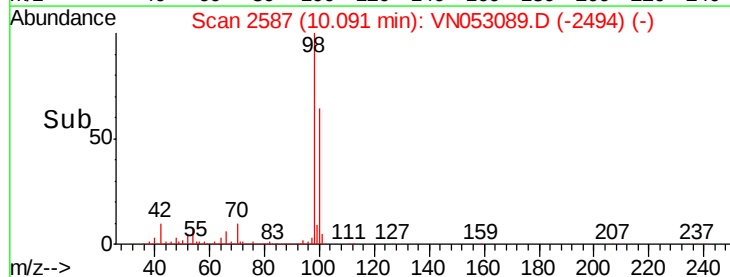
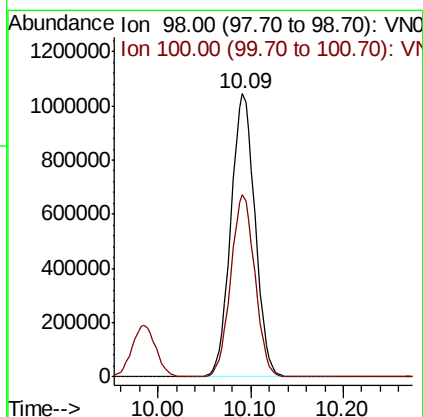
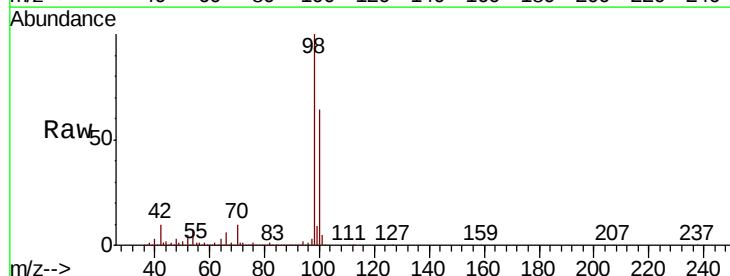
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

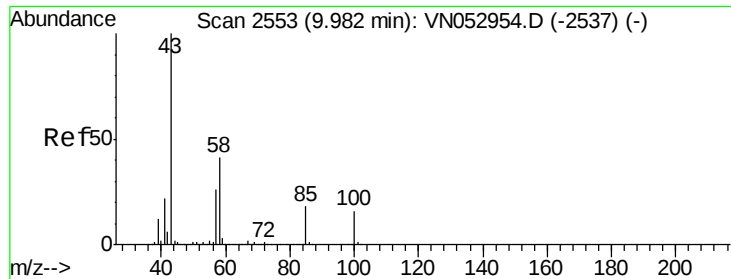
Tot Ion: 88 Resp: 101955
Ion Ratio Lower Upper
88 100
43 31.4 26.6 40.0
58 68.6 58.4 87.6



#50
Toluene-d8
Concen: 1030.172 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 98 Resp: 1887514
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4

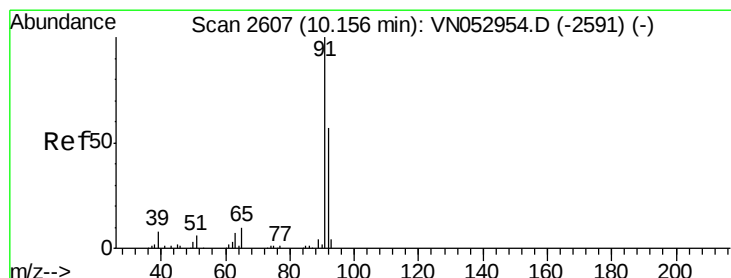
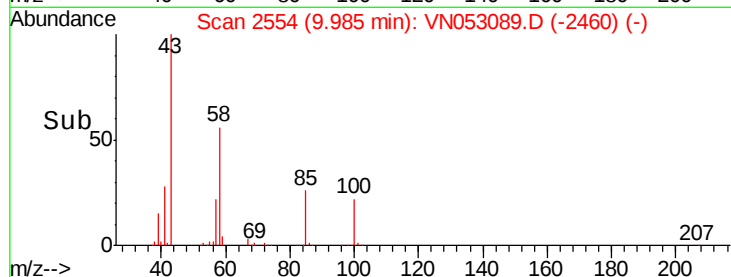
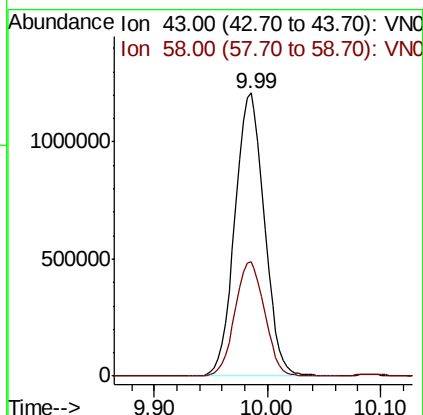
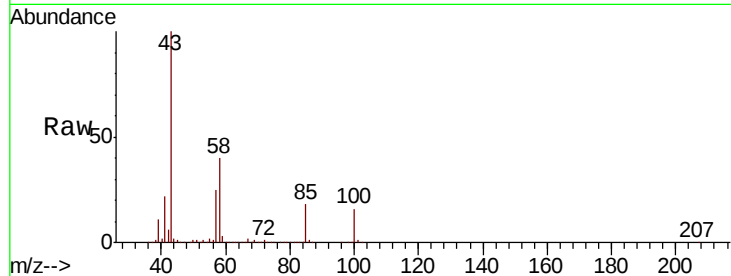




#51
 4-Methyl-2-Pentanone
 Concen: 280.498 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

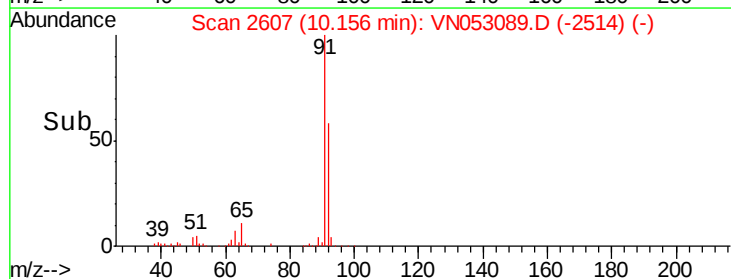
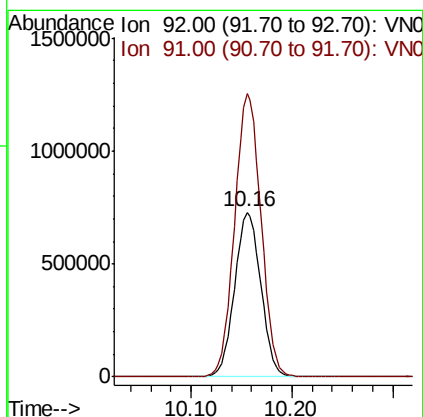
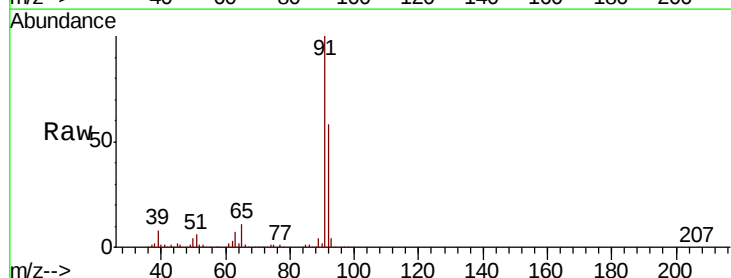
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MSD

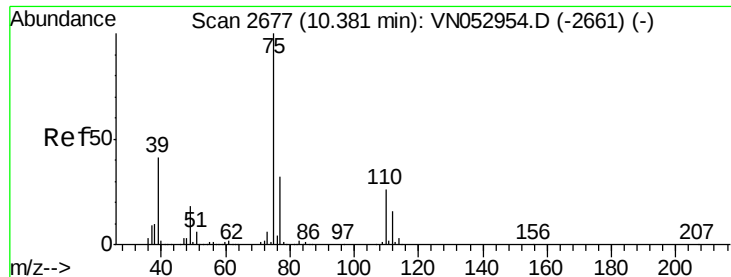
Tot Ion: 43 Resp: 2190180
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.2 48.4



#52
 Toluene
 Concen: 49.307 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion: 92 Resp: 1312951
 Ion Ratio Lower Upper
 92 100
 91 173.5 139.8 209.6

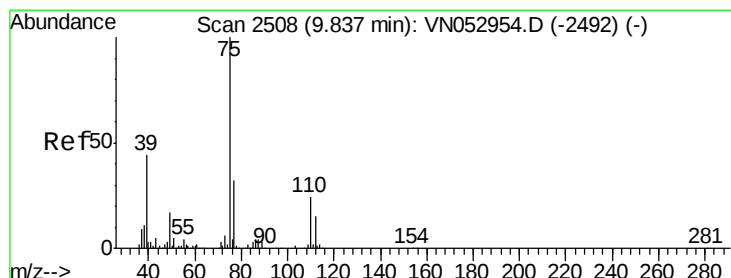
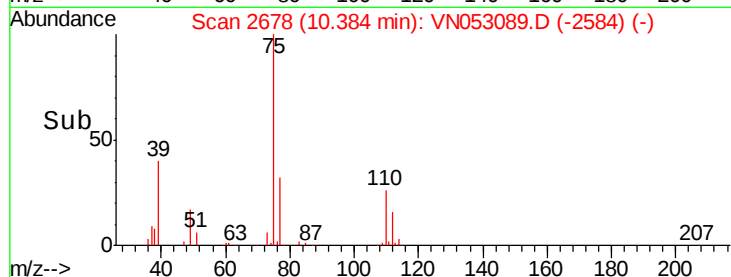
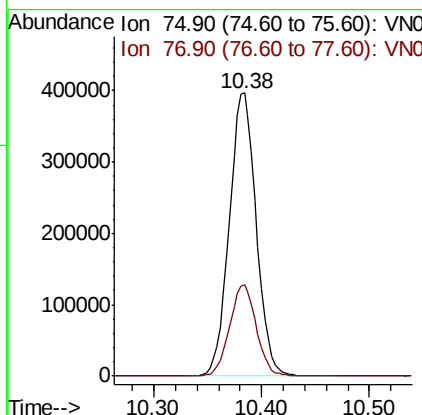
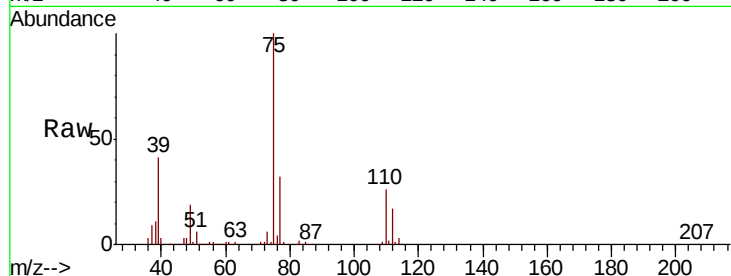




#53
t-1,3-Dichloropropene
Concen: 47.339 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

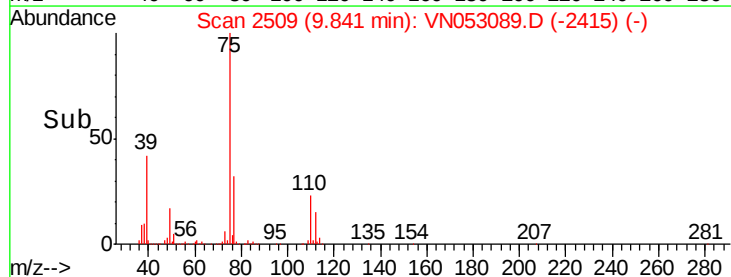
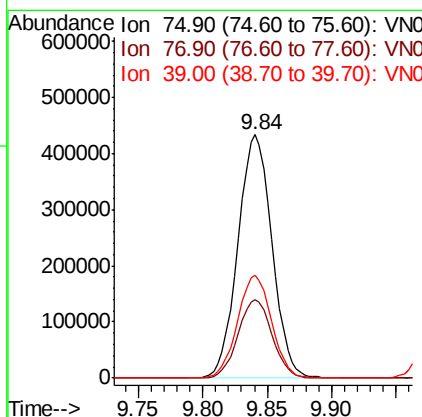
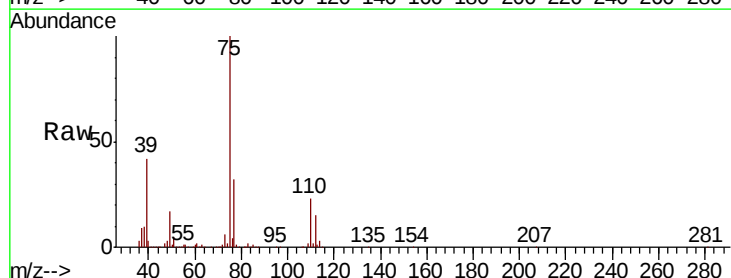
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion: 75 Resp: 689759
Ion Ratio Lower Upper
75 100
77 32.2 25.6 38.4



#54
cis-1,3-Dichloropropene
Concen: 47.695 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 75 Resp: 797691
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8
39 42.1 34.8 52.2

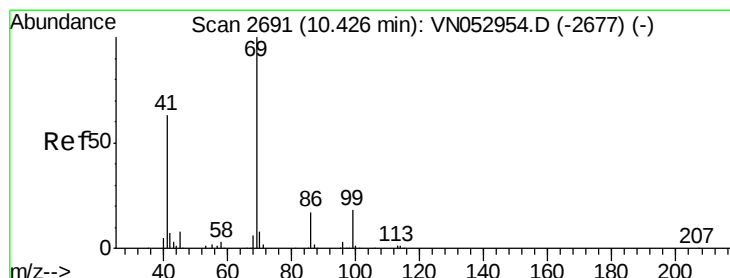
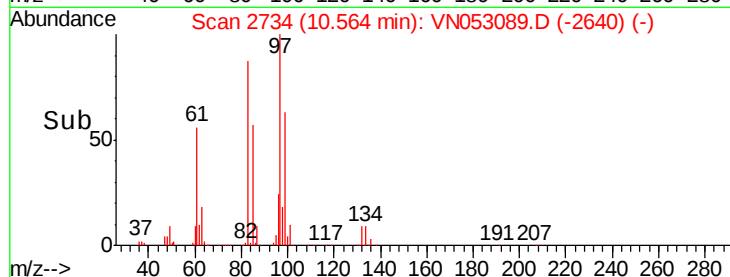
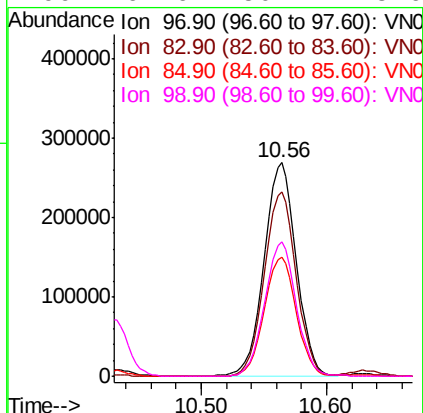
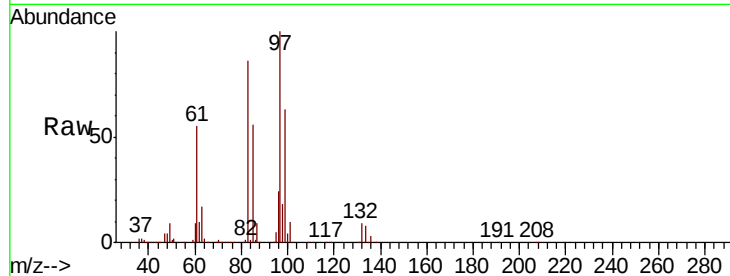




#55
 1,1,2-Trichloroethane
 Concen: 51.717 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

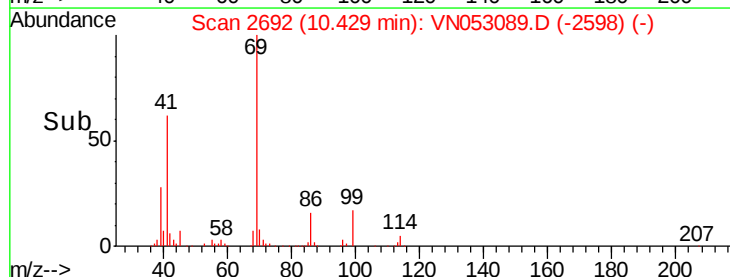
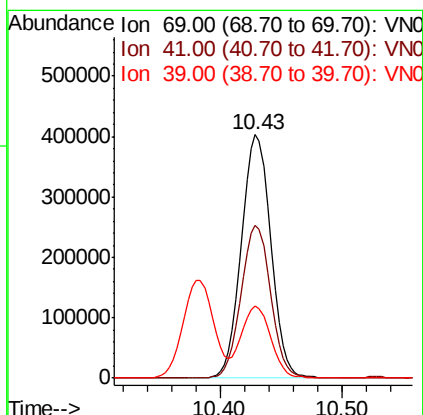
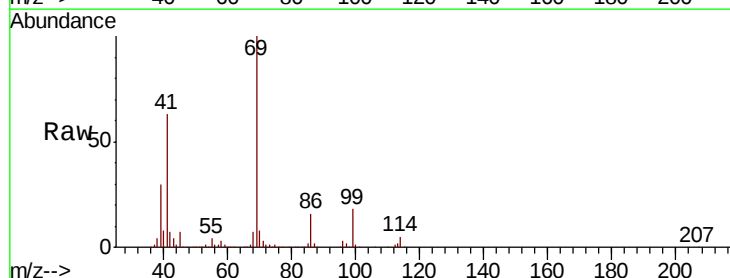
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MSD

Tot Ion: 97 Resp: 480434
 Ion Ratio Lower Upper
 97 100
 83 86.4 70.9 106.3
 85 56.0 45.4 68.2
 99 62.6 50.4 75.6



#56
 Ethyl methacrylate
 Concen: 54.393 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion: 69 Resp: 668805
 Ion Ratio Lower Upper
 69 100
 41 62.2 51.7 77.5
 39 29.8 24.6 37.0





#57

1,3-Dichloropropane

Concen: 50.628 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

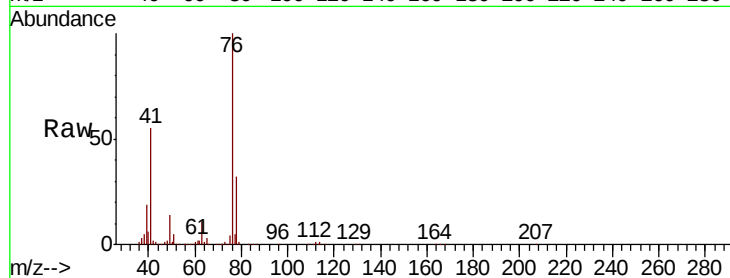
T11-MW-13-8.0-122018MSD

Tot Ion: 76 Resp: 806513

Ion Ratio Lower Upper

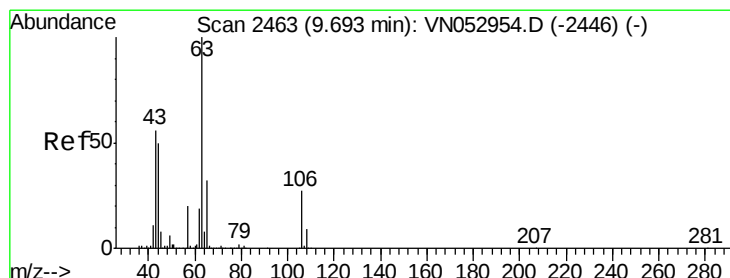
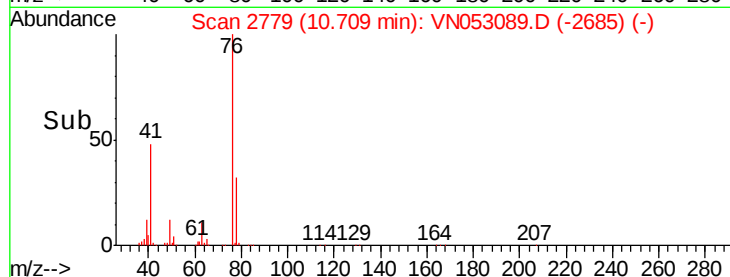
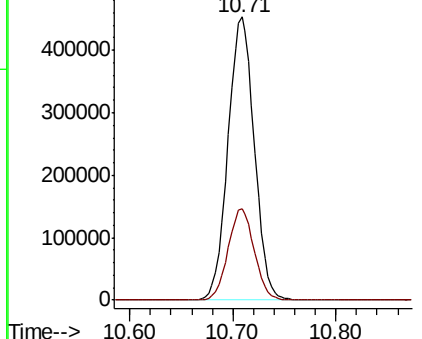
76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 258.194 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053089.D

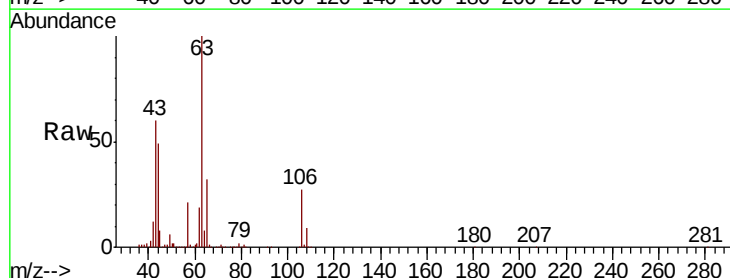
Acq: 21 Dec 2018 6:36

Tgt Ion: 63 Resp: 1742902

Ion Ratio Lower Upper

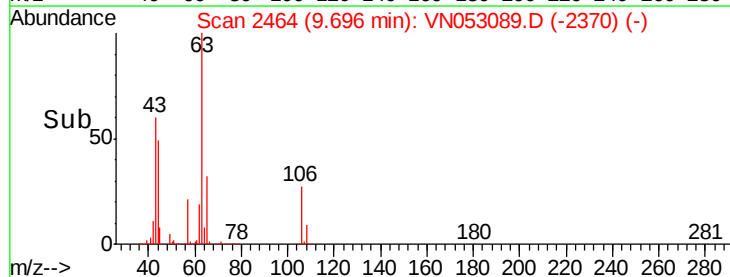
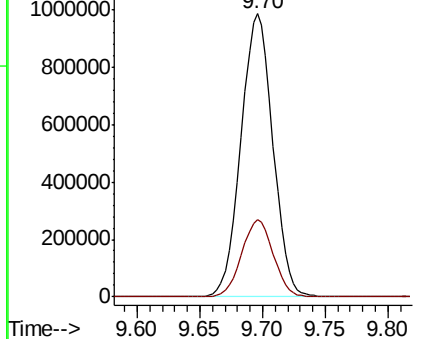
63 100

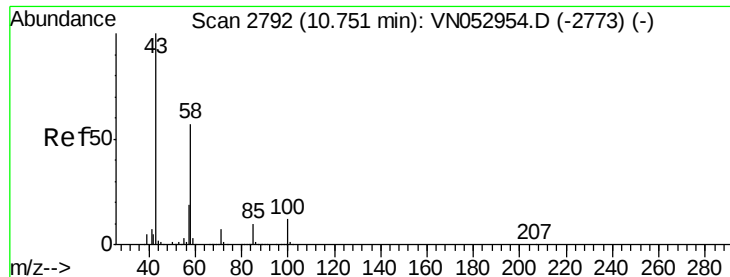
106 27.1 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

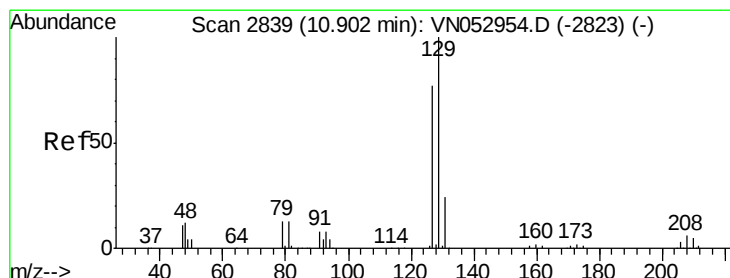
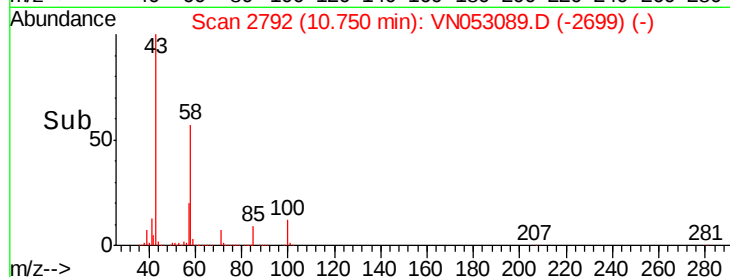
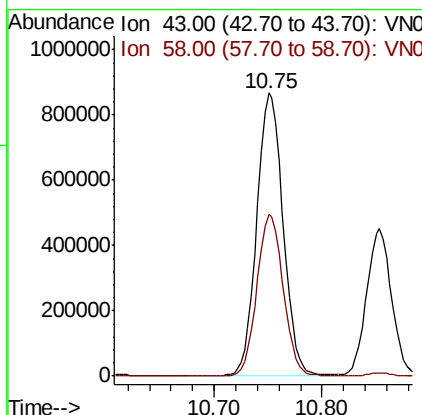
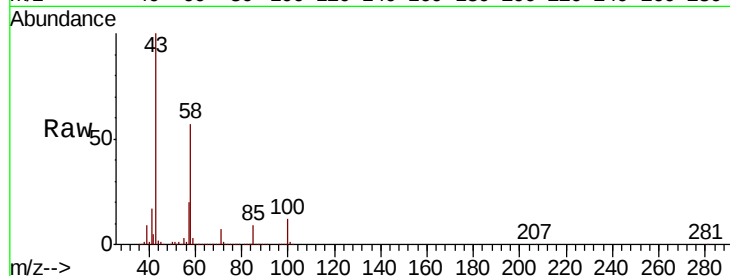




#59
2-Hexanone
Concen: 278.158 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

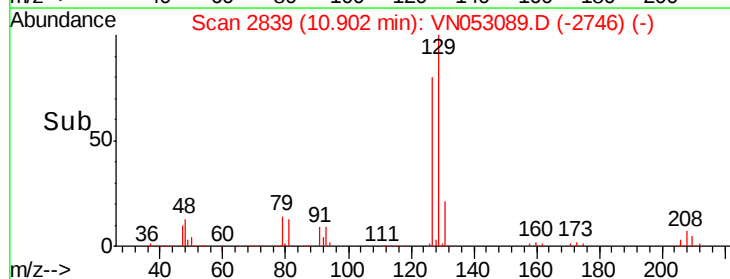
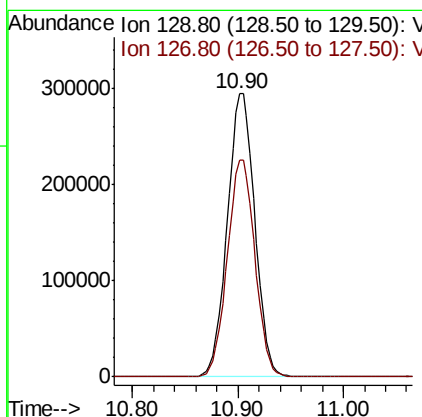
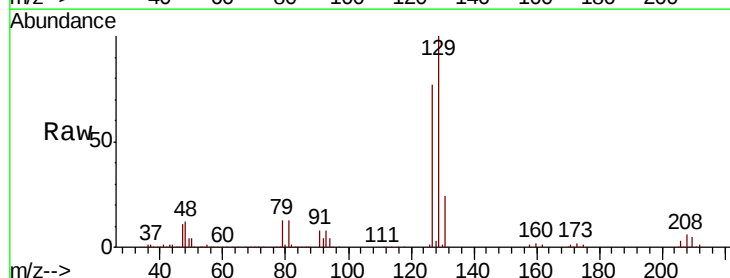
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

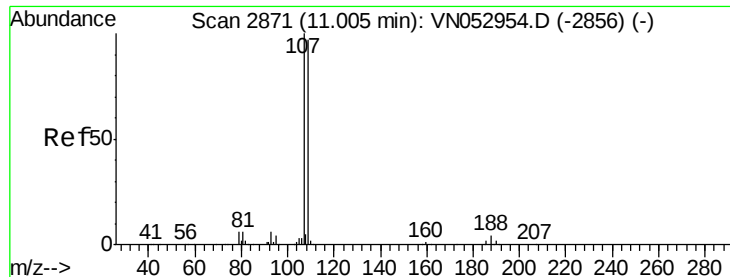
Tot Ion: 43 Resp: 1469472
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3



#60
Dibromochloromethane
Concen: 49.866 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 129 Resp: 530260
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.540 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

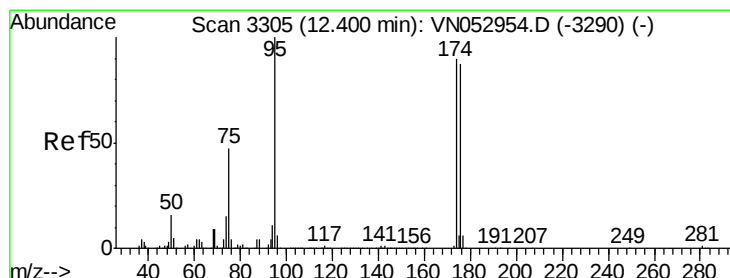
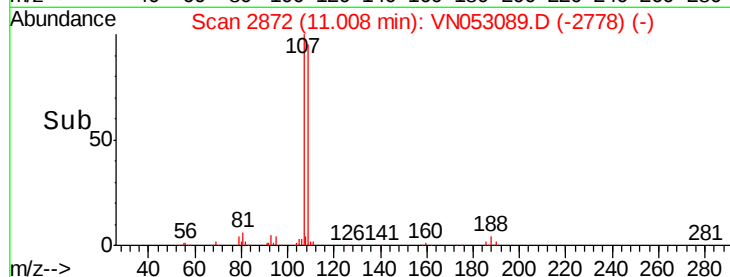
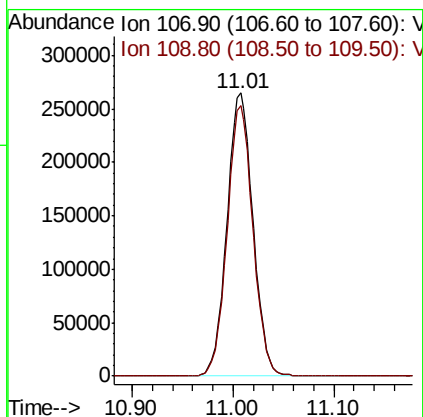
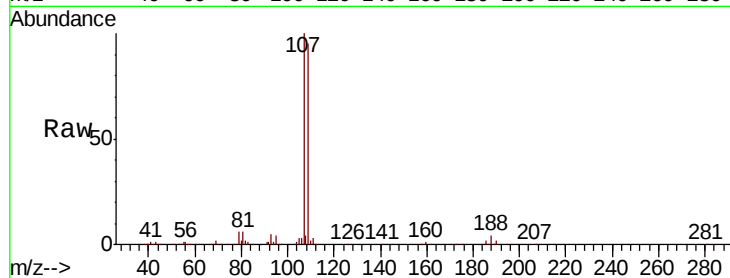
T11-MW-13-8.0-122018MSD

Tot Ion:107 Resp: 476825

Ion Ratio Lower Upper

107 100

109 94.6 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 50.540 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

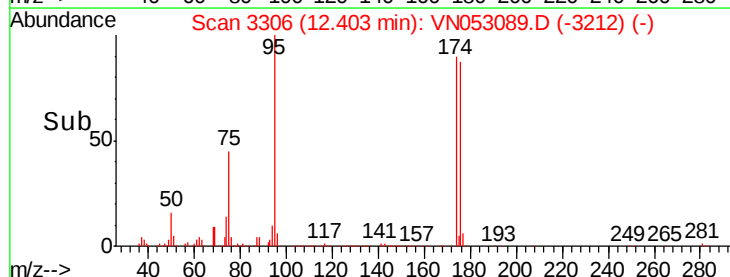
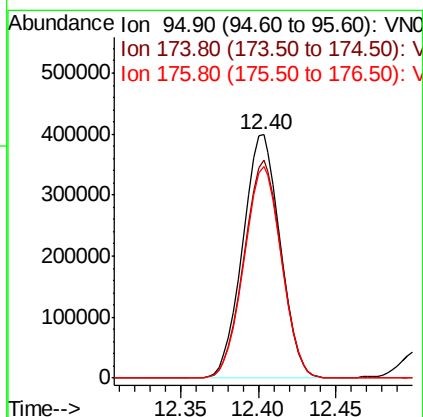
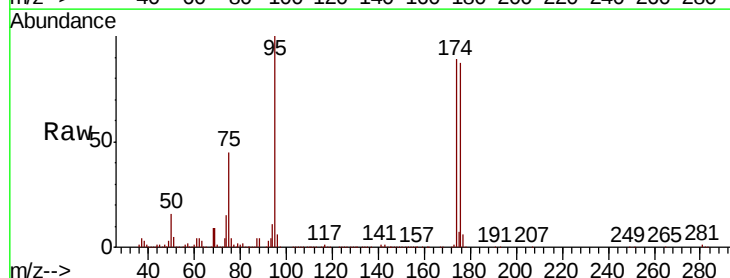
Tgt Ion: 95 Resp: 670869

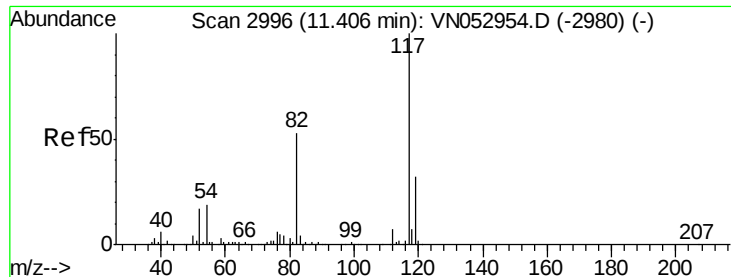
Ion Ratio Lower Upper

95 100

174 89.7 0.0 178.8

176 87.3 0.0 173.8

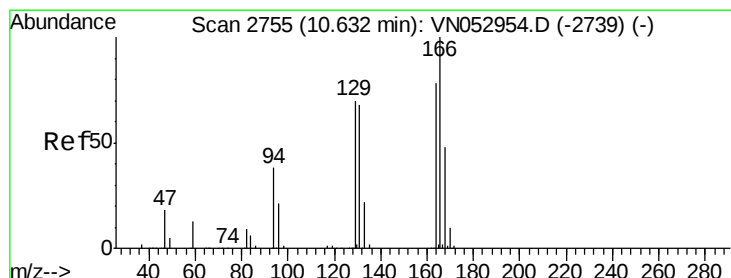
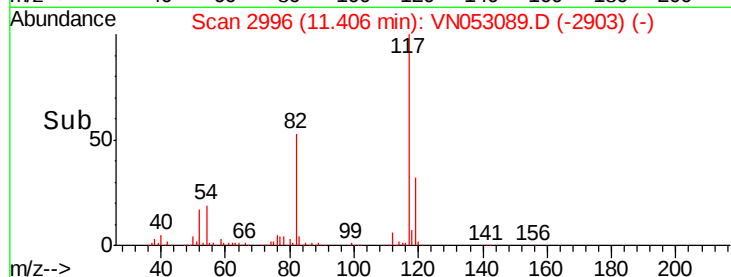
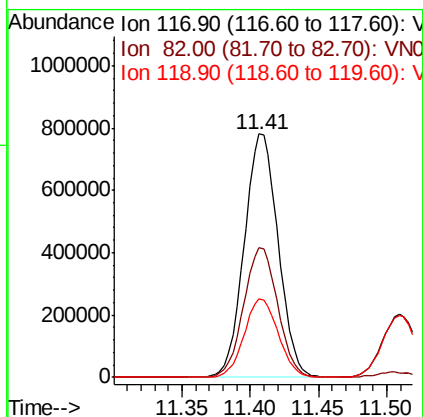
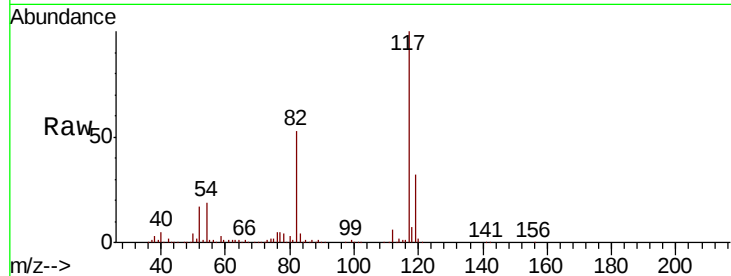




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

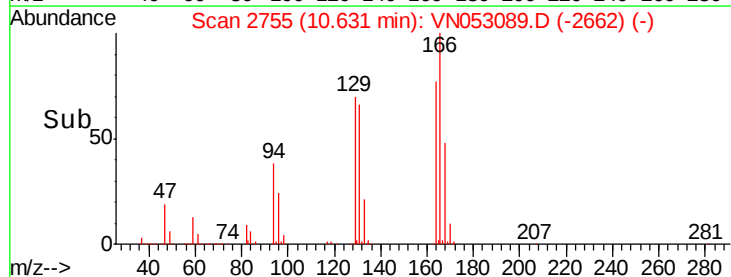
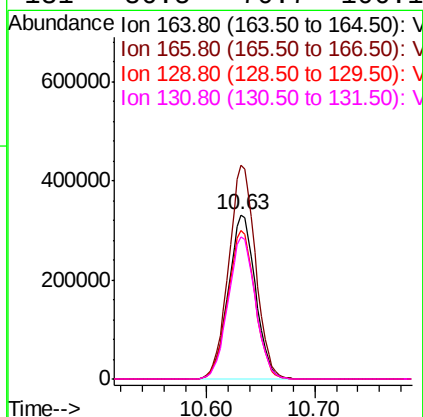
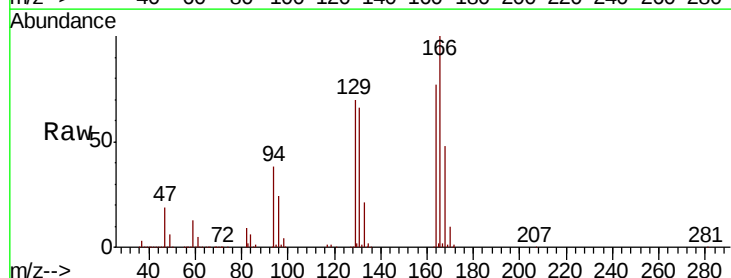
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion:117 Resp: 1345965
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 39.751 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion:164 Resp: 579562
Ion Ratio Lower Upper
164 100
166 130.3 102.9 154.3
129 90.6 73.7 110.5
131 86.5 70.7 106.1

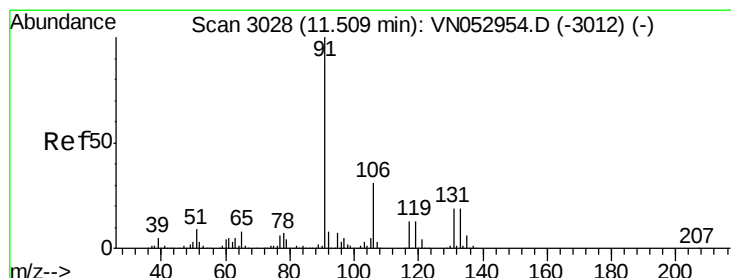
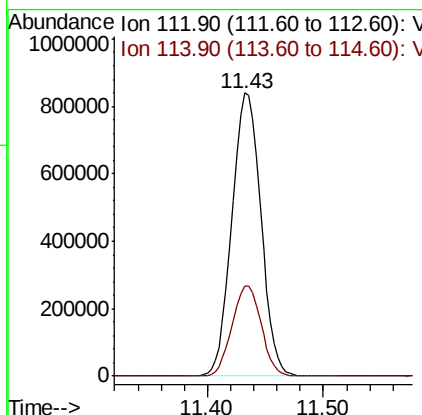
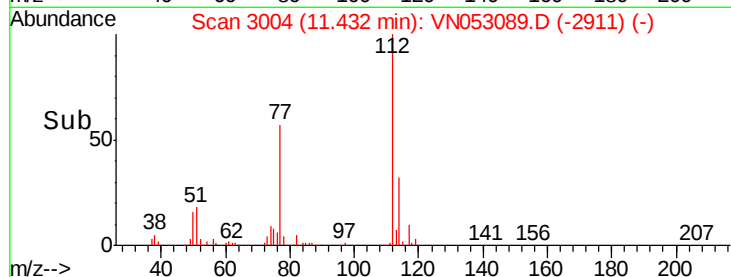
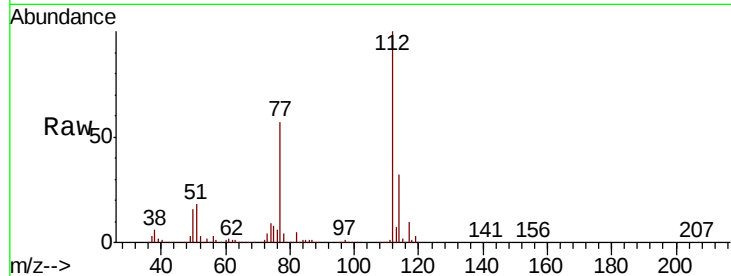




#65
Chlorobenzene
Concen: 48.638 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

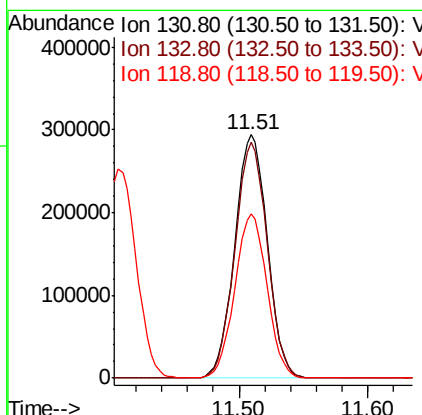
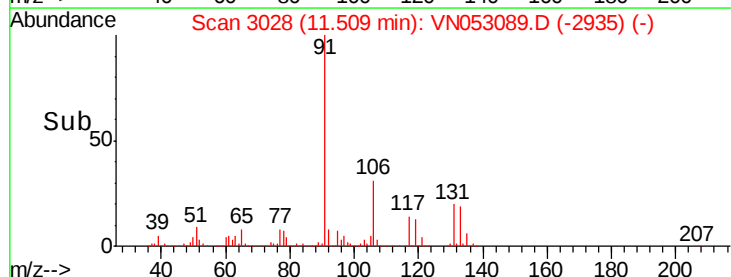
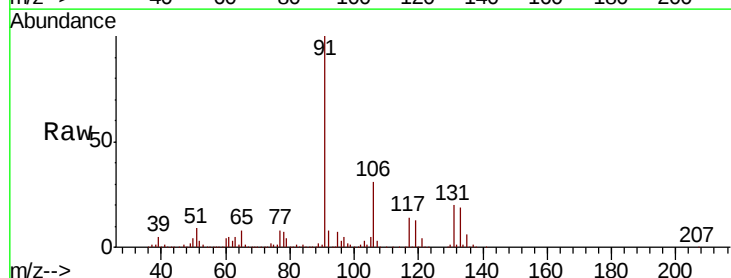
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

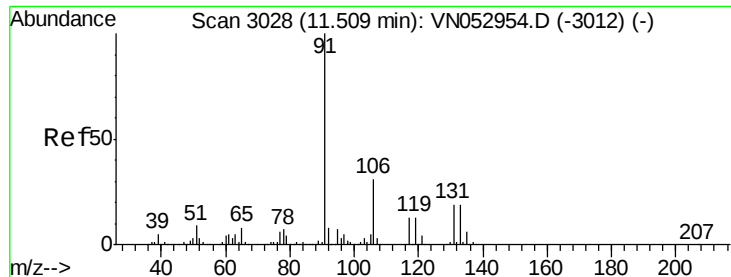
Tot Ion:112 Resp: 1451181
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.762 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion:131 Resp: 516304
Ion Ratio Lower Upper
131 100
133 96.3 47.6 142.9
119 66.9 33.3 99.8

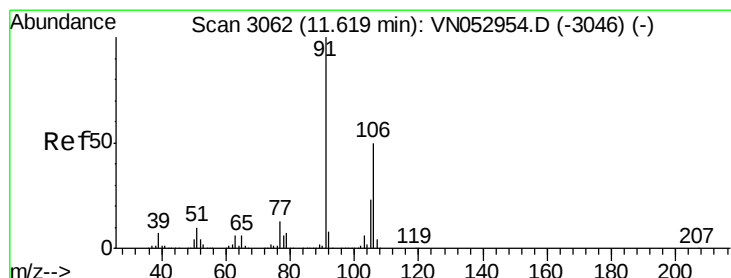
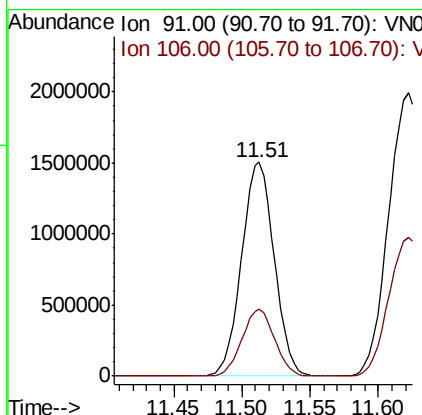
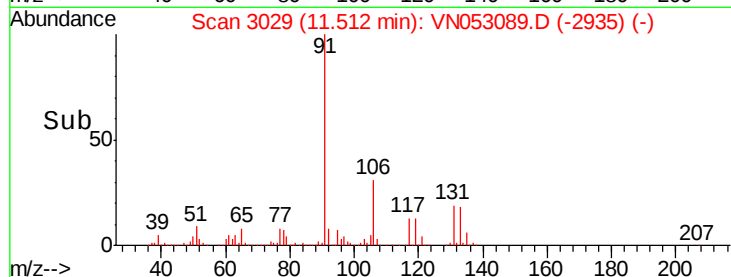
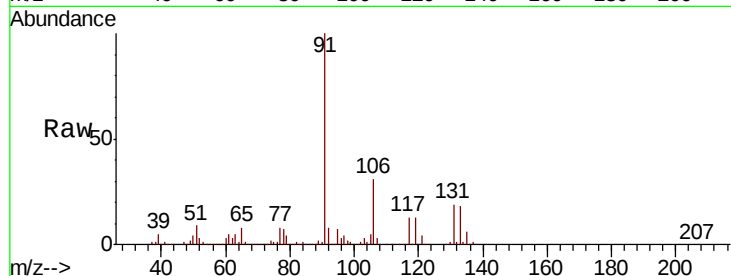




#67
Ethvl Benzene
Concen: 48.735 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

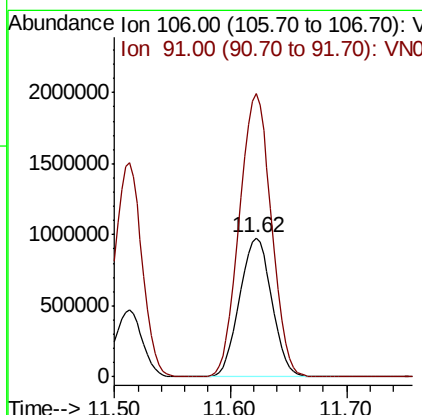
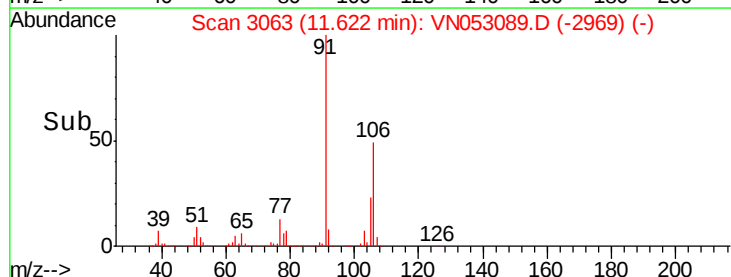
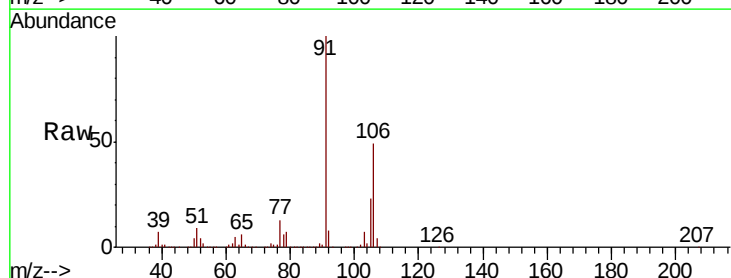
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion: 91 Resp: 2500628
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3



#68
m/p-Xylenes
Concen: 96.817 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 106 Resp: 1888515
Ion Ratio Lower Upper
106 100
91 202.4 162.2 243.4

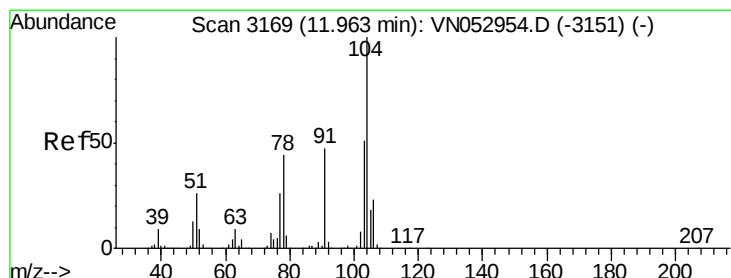
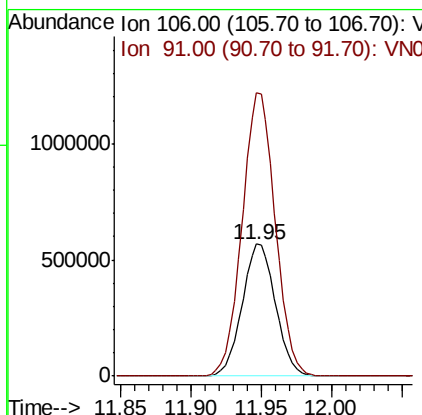
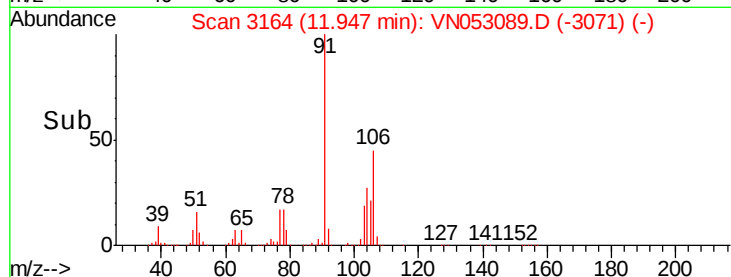
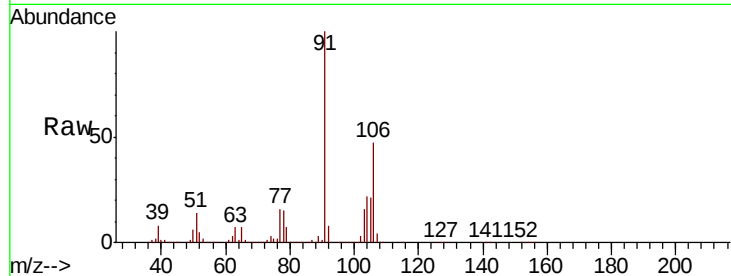




#69
o-Xylene
Concen: 50.153 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

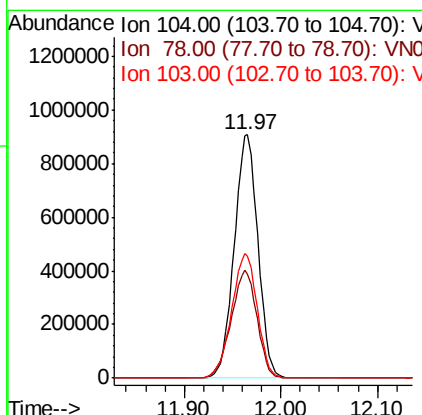
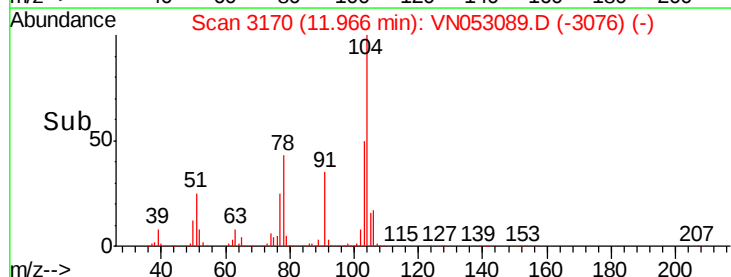
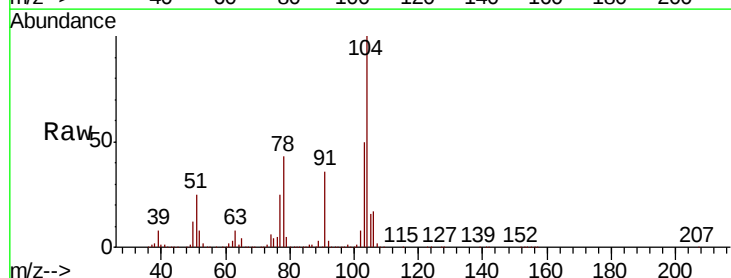
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

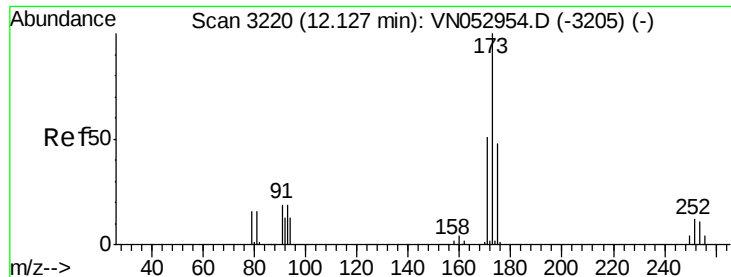
Tot Ion:106 Resp: 938744
Ion Ratio Lower Upper
106 100
91 213.1 106.6 319.8



#70
Styrene
Concen: 50.518 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion:104 Resp: 1541859
Ion Ratio Lower Upper
104 100
78 48.3 38.9 58.3
103 55.5 44.3 66.5

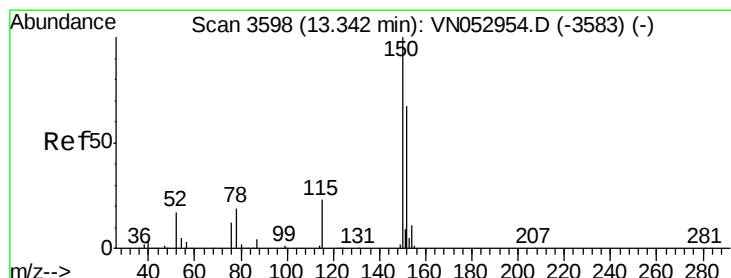
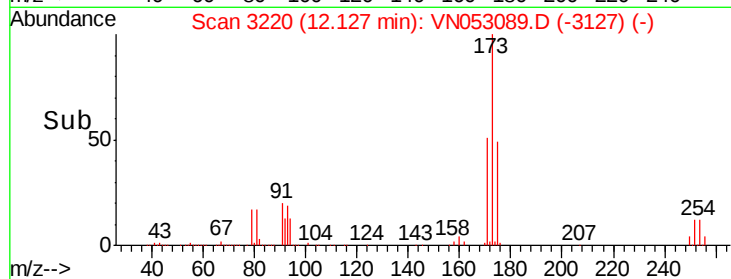
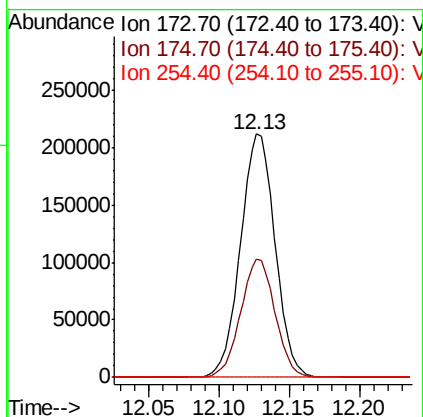
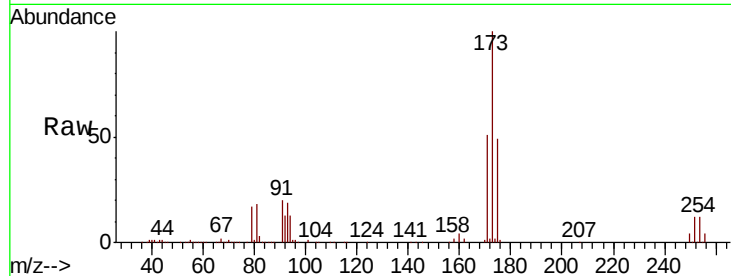




#71
Bromoform
Concen: 48.556 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

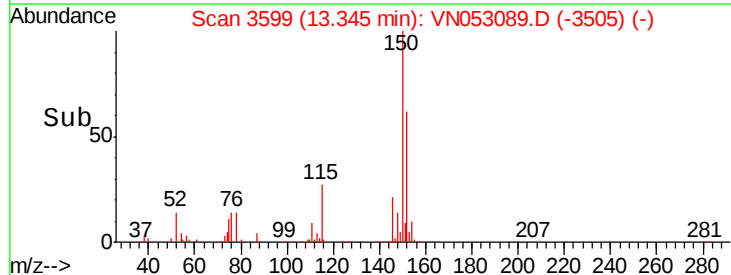
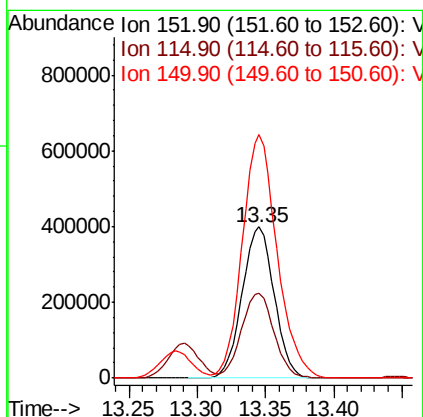
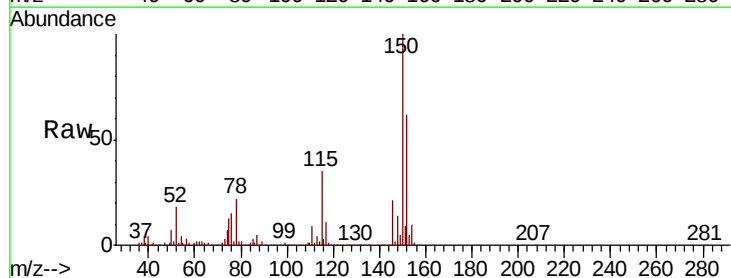
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

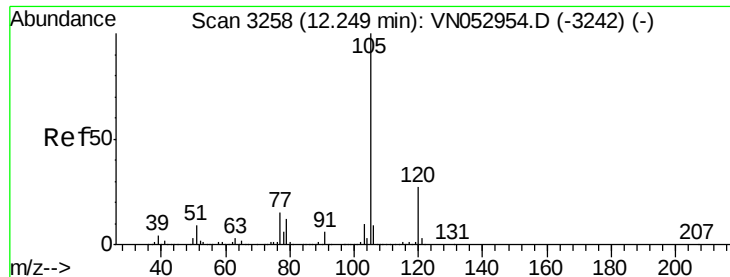
Tot Ion:173 Resp: 363949
Ion Ratio Lower Upper
173 100
175 48.5 24.3 72.9
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion:152 Resp: 648661
Ion Ratio Lower Upper
152 100
115 57.2 28.3 85.0
150 175.1 0.0 347.8





#73

Isopropylbenzene

Concen: 53.188 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

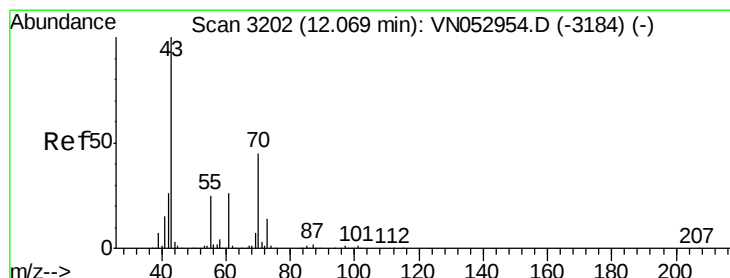
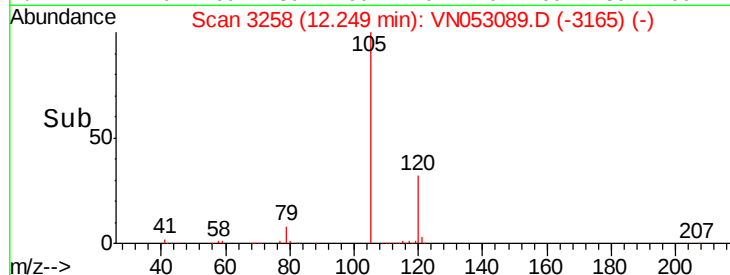
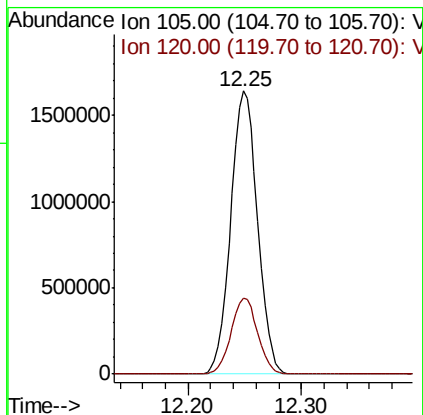
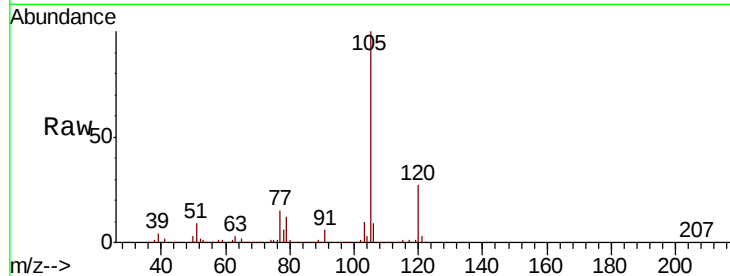
T11-MW-13-8.0-122018MSD

Tot Ion:105 Resp: 2699382

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#74

N-ethyl acetate

Concen: 59.137 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Tgt Ion: 43 Resp: 833271

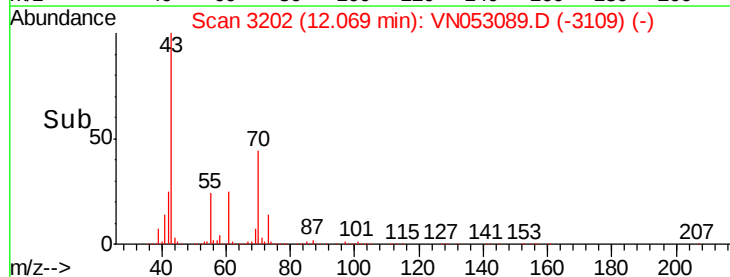
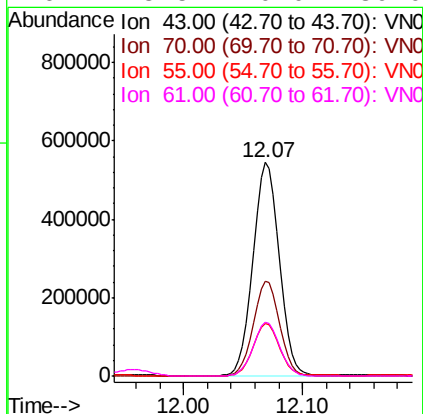
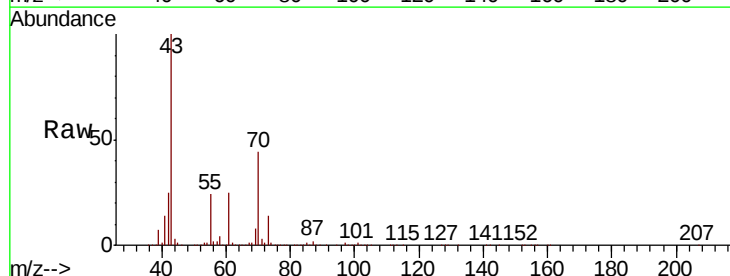
Ion Ratio Lower Upper

43 100

70 44.7 34.2 51.4

55 24.6 20.3 30.5

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.356 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

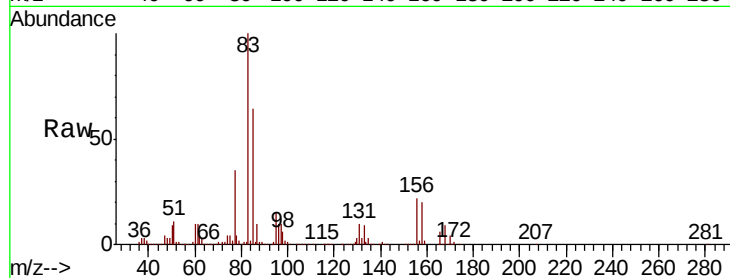
MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

Tot Ion: 83 Resp: 561127

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.2	15.6
85	64.2	32.4	97.0

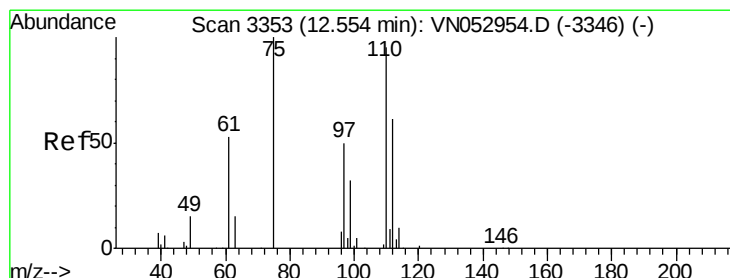
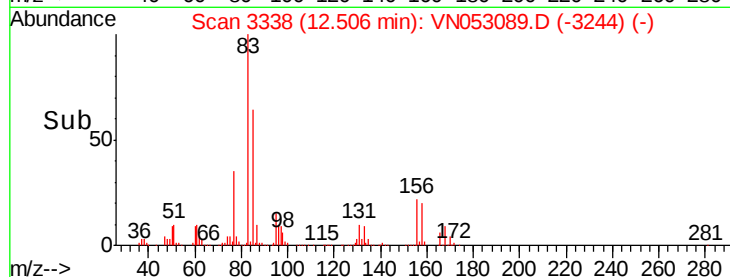
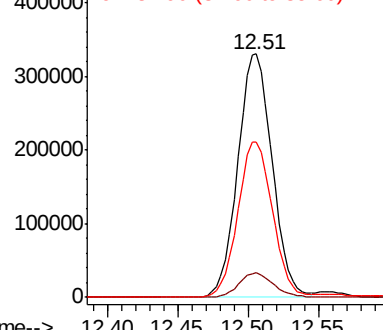


Abundance

Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 65.362 ug/l

RT: 12.55 min Scan# 3353

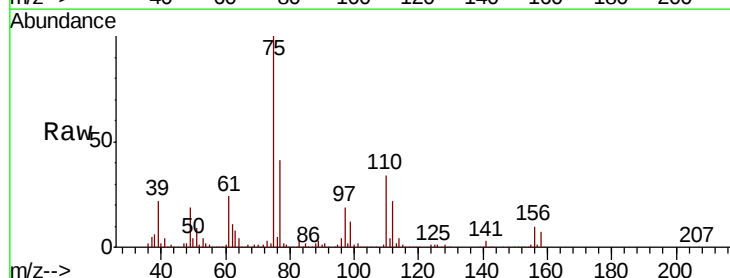
Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Tgt Ion: 75 Resp: 713725

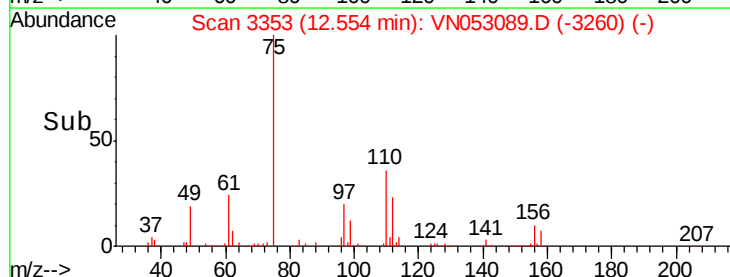
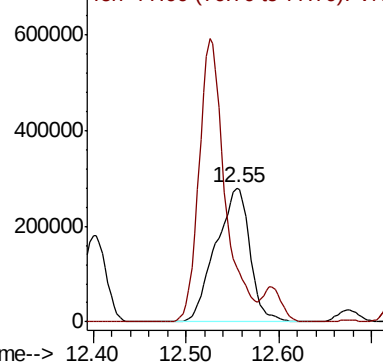
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

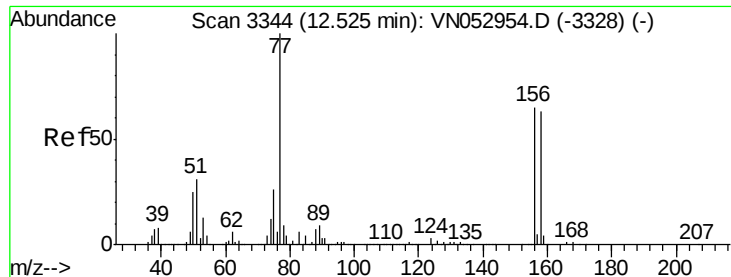


Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 52.221 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

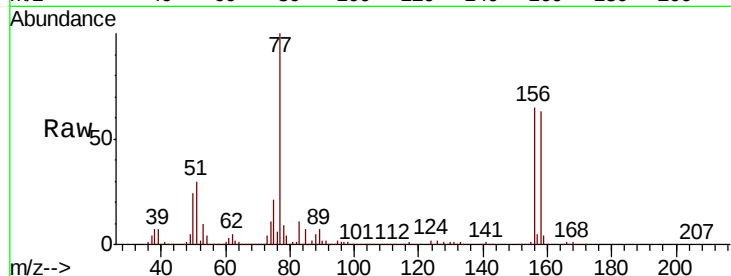
Tot Ion:156 Resp: 688935

Ion Ratio Lower Upper

156 100

77 167.3 91.3 273.8

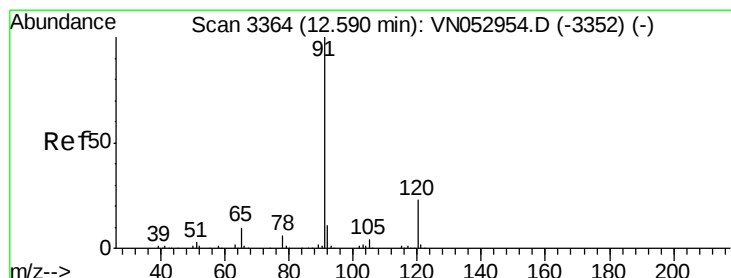
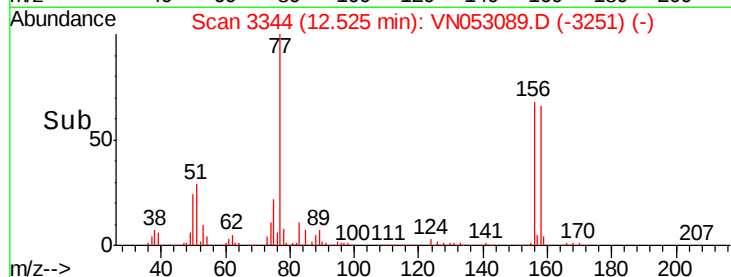
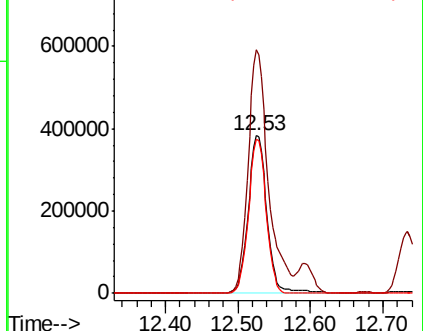
158 91.5 49.0 147.2



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: 53.940 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053089.D

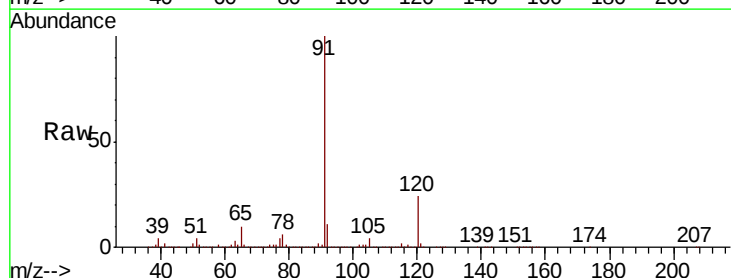
Acq: 21 Dec 2018 6:36

Tgt Ion: 91 Resp: 3117832

Ion Ratio Lower Upper

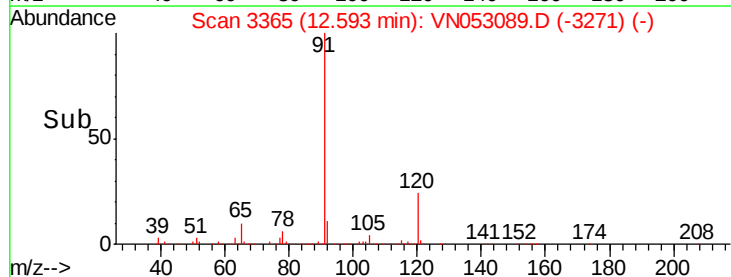
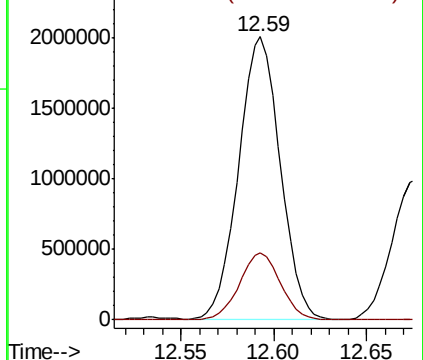
91 100

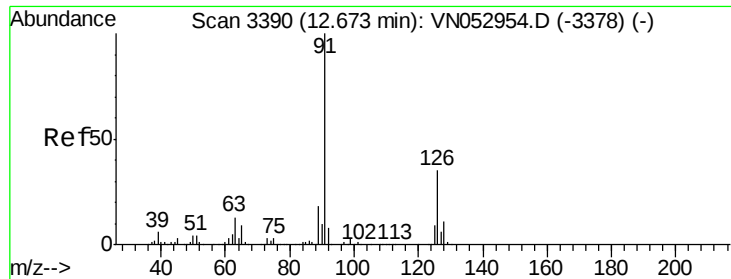
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.952 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

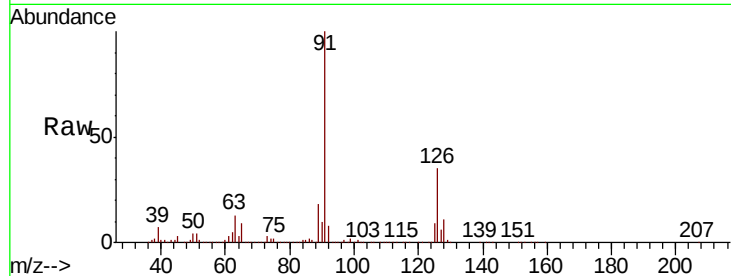
T11-MW-13-8.0-122018MSD

Tot Ion: 91 Resp: 1646386

Ion Ratio Lower Upper

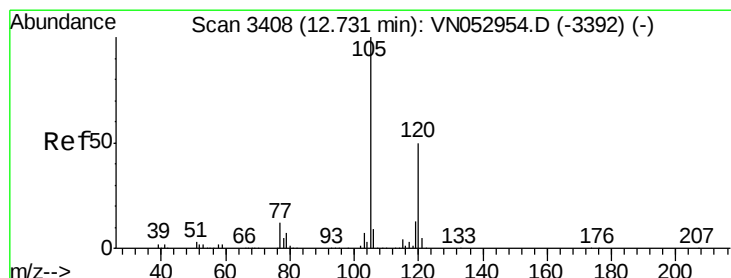
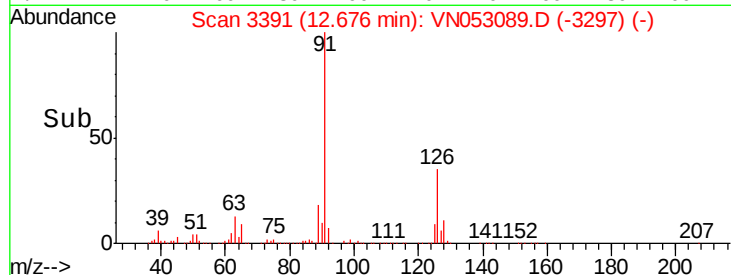
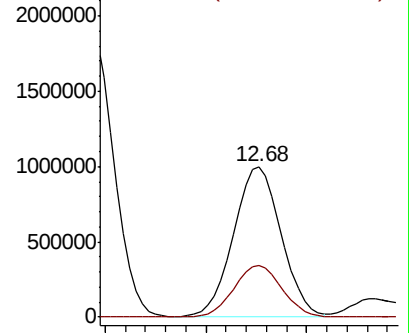
91 100

126 34.9 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.788 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053089.D

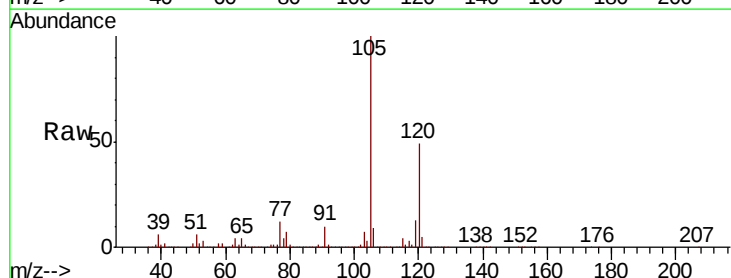
Acq: 21 Dec 2018 6:36

Tgt Ion:105 Resp: 1976850

Ion Ratio Lower Upper

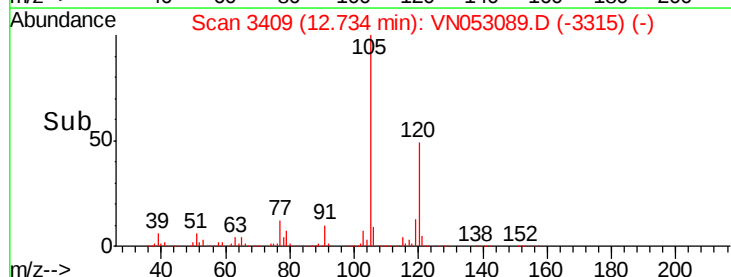
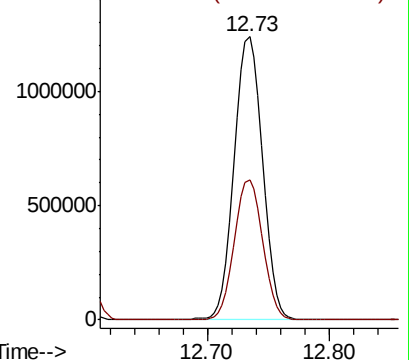
105 100

120 49.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 43.476 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

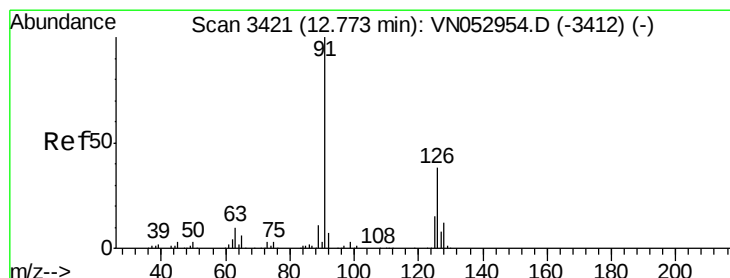
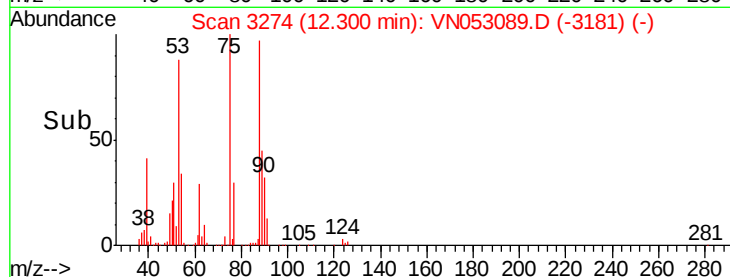
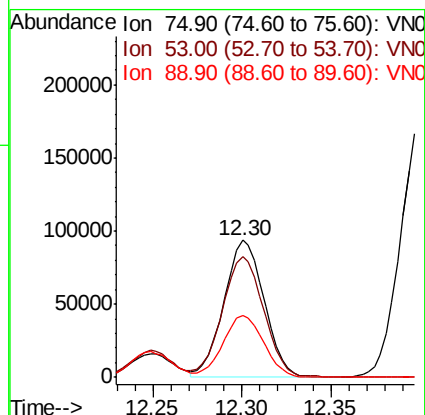
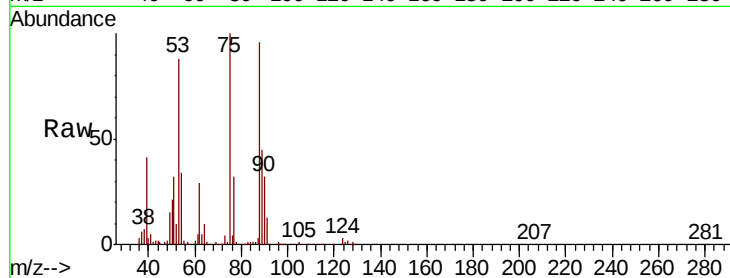
Tot Ion: 75 Resp: 147292

Ion Ratio Lower Upper

75 100

53 90.3 74.7 112.1

89 45.8 36.1 54.1



#82

4-Chlorotoluene

Concen: 48.476 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053089.D

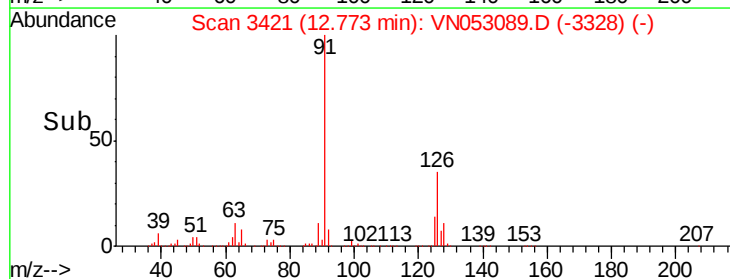
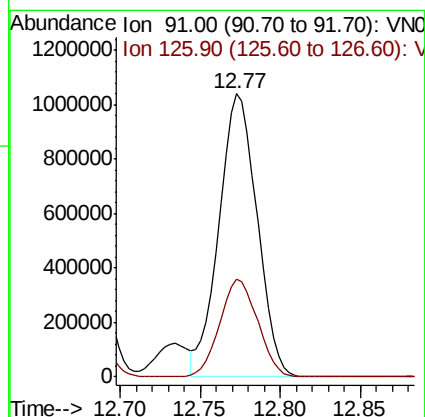
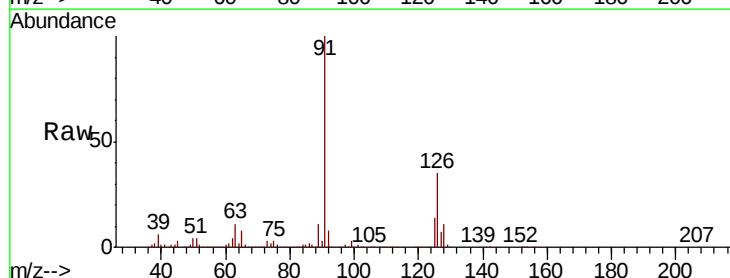
Acq: 21 Dec 2018 6:36

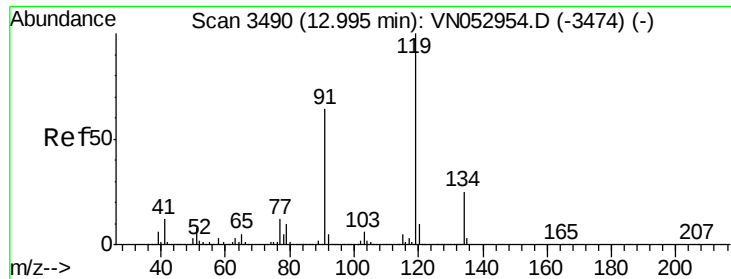
Tgt Ion: 91 Resp: 1700179

Ion Ratio Lower Upper

91 100

126 34.4 17.3 51.7

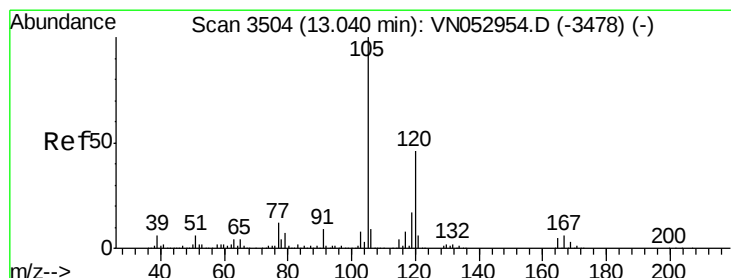
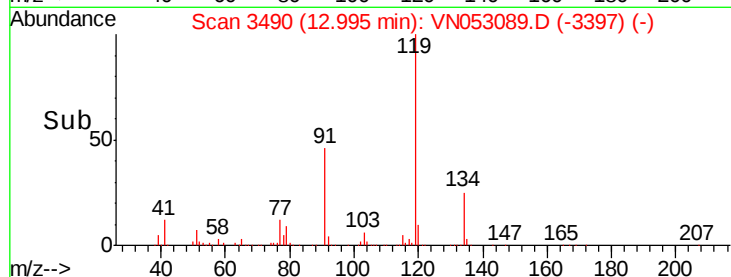
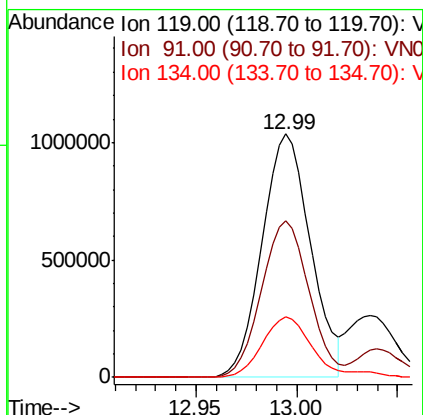
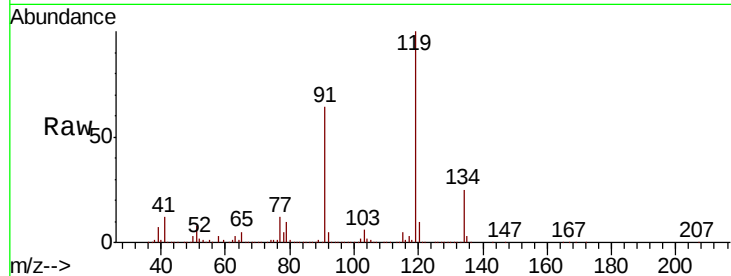




#83
tert-Butylbenzene
Concen: 47.420 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

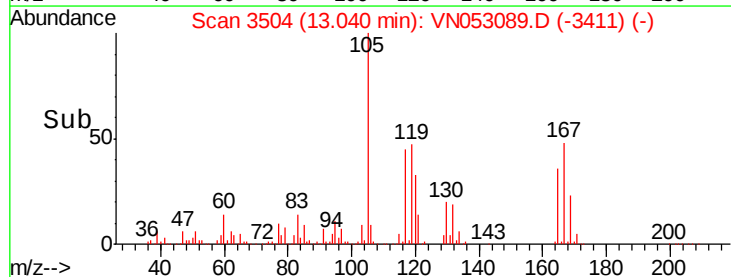
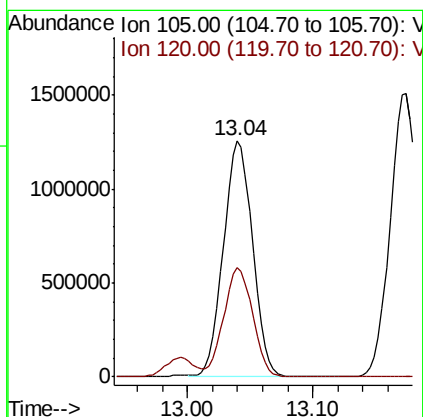
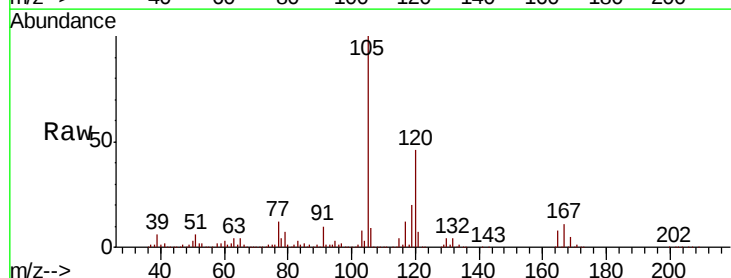
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

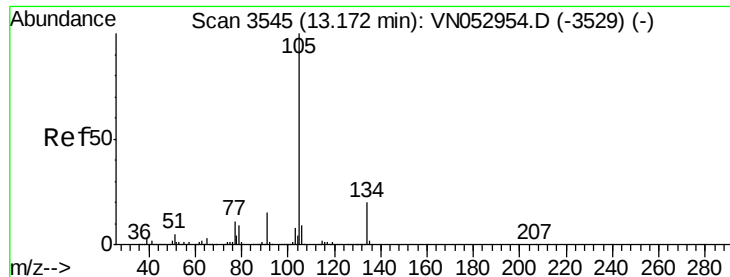
Tot Ion:119 Resp: 1734898
Ion Ratio Lower Upper
119 100
91 63.4 31.9 95.5
134 26.2 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 48.613 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion:105 Resp: 2021611
Ion Ratio Lower Upper
105 100
120 46.4 22.9 68.8





#85

sec-Butylbenzene

Concen: 48.647 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

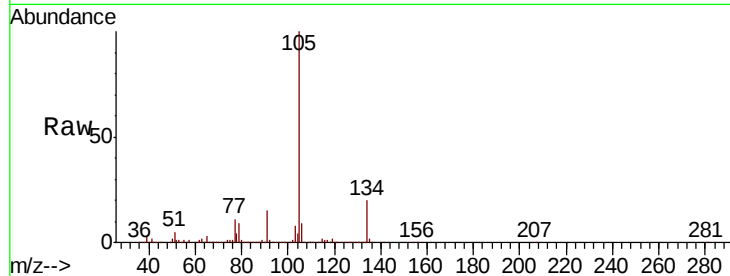
T11-MW-13-8.0-122018MSD

Tot Ion:105 Resp: 2407341

Ion Ratio Lower Upper

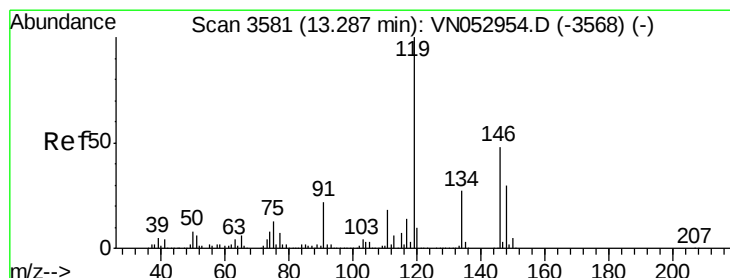
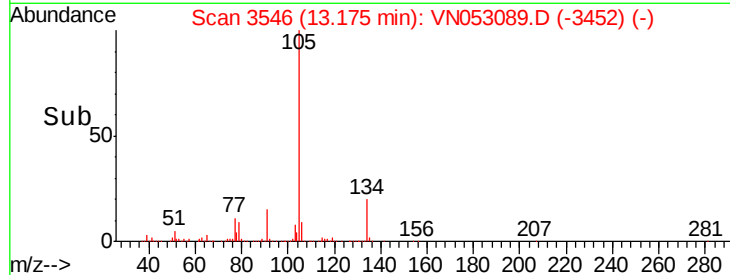
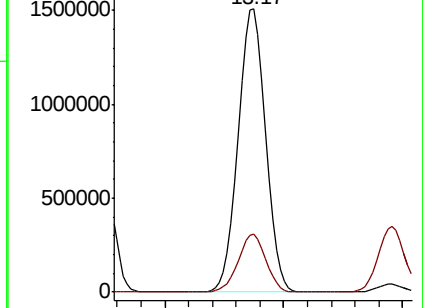
105 100

134 20.6 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.657 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

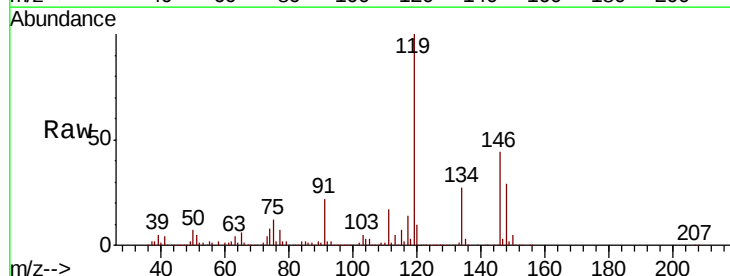
Tgt Ion:119 Resp: 1995033

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

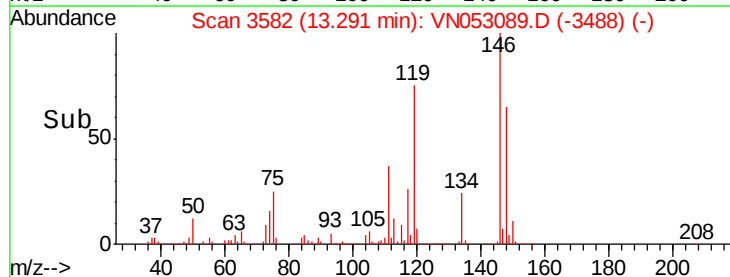
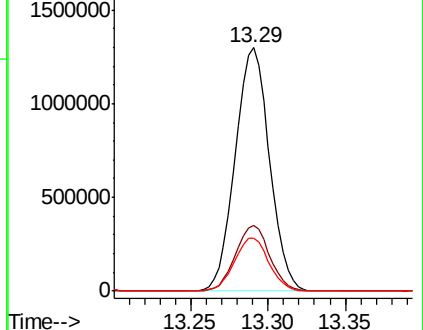
91 21.8 11.1 33.3

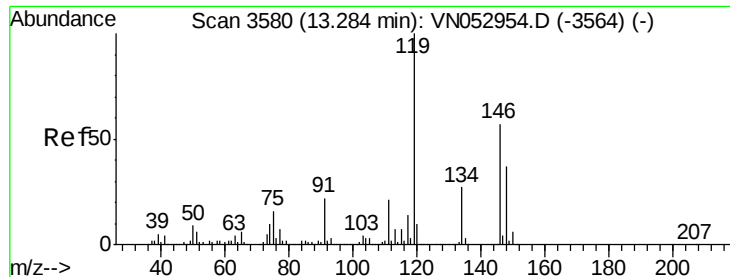


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

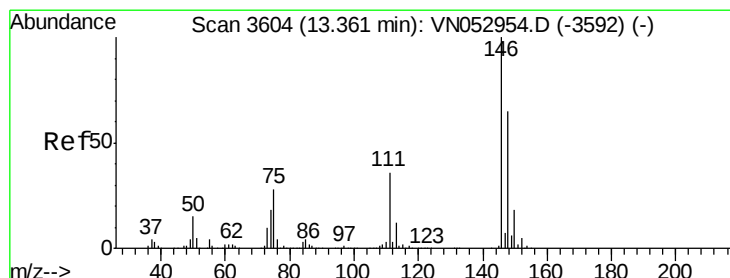
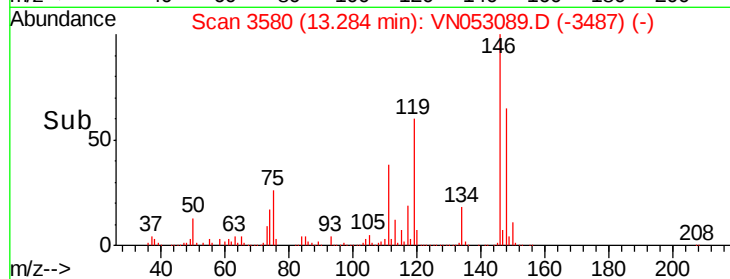
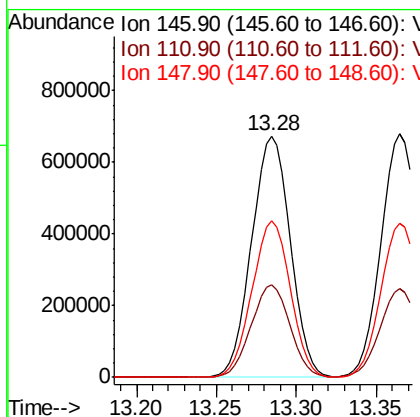
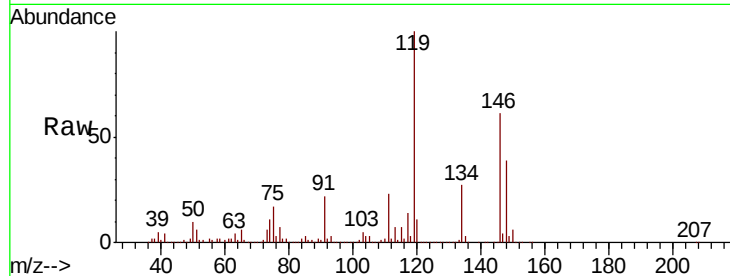




#87
 1,3-Dichlorobenzene
 Concen: 47.882 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

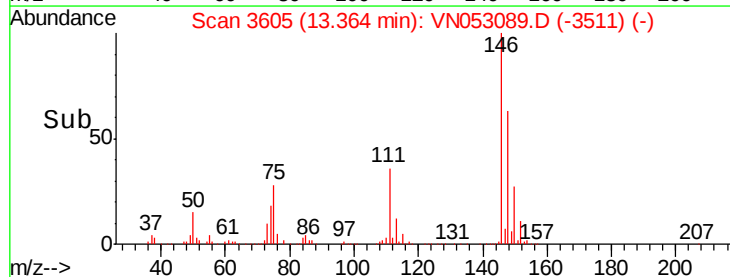
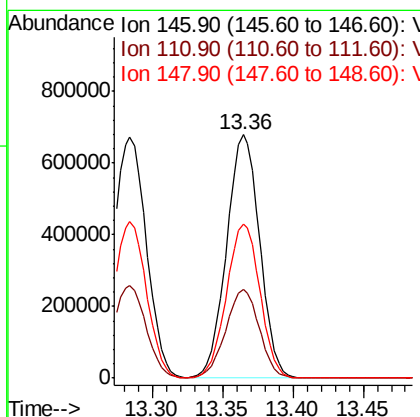
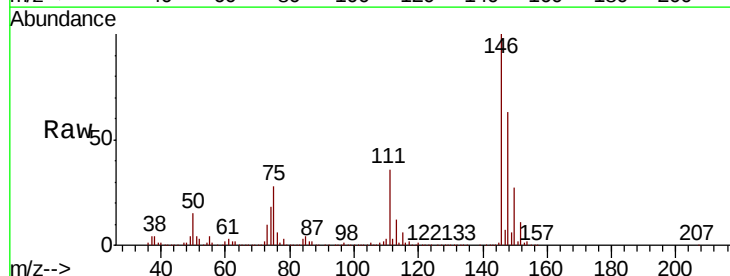
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MSD

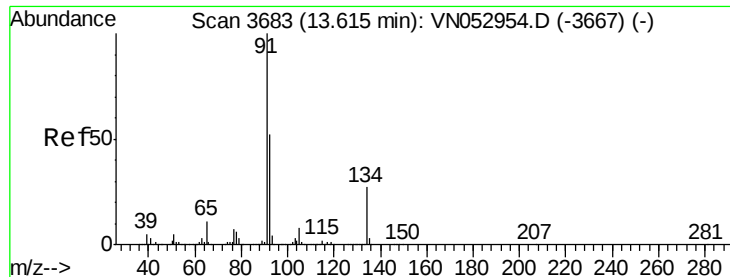
Tot Ion:146 Resp: 1118026
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.1 57.1
 148 64.3 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 47.041 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion:146 Resp: 1112327
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 55.8
 148 64.0 32.1 96.5

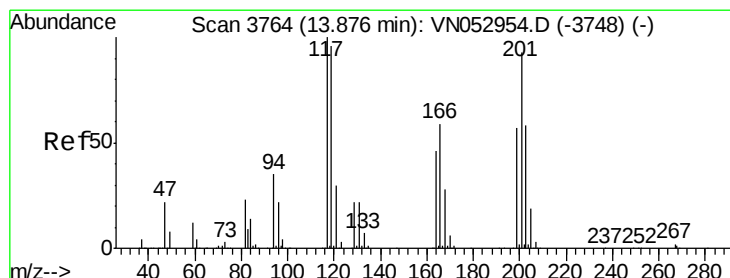
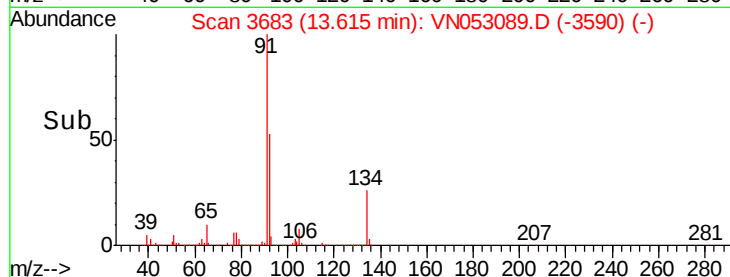
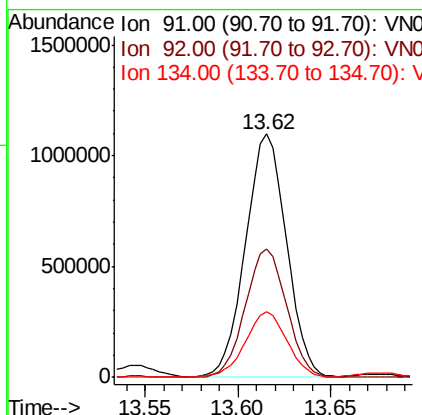
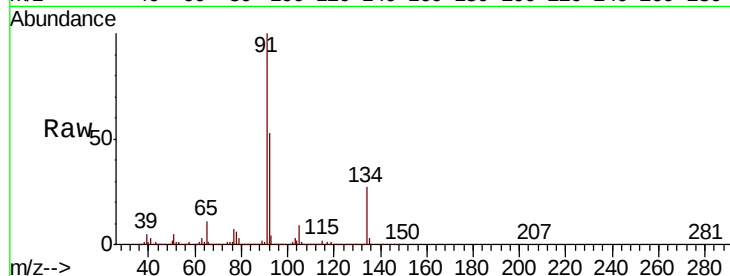




#89
n-Butylbenzene
Concen: 45.494 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

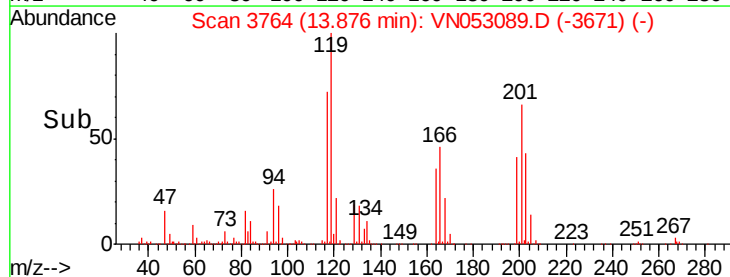
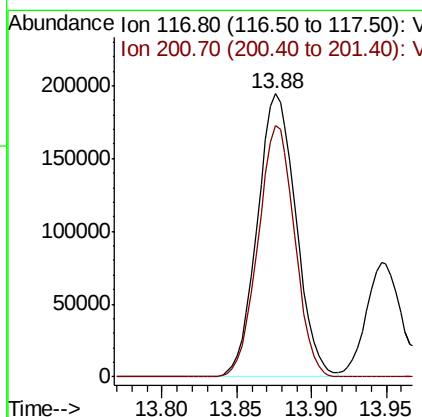
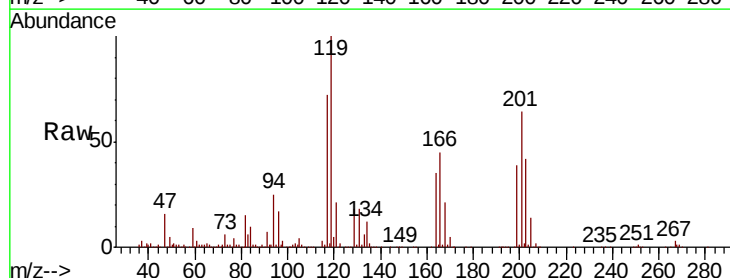
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

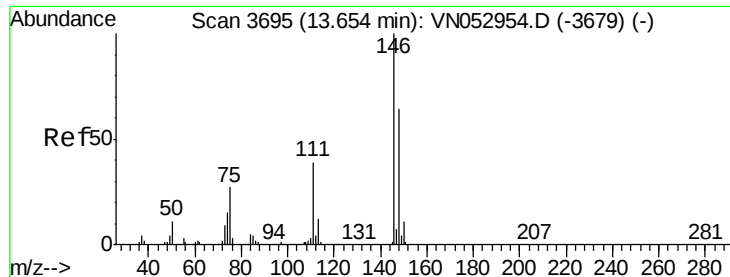
Tot Ion: 91 Resp: 1673577
Ion Ratio Lower Upper
91 100
92 53.1 26.3 78.9
134 28.0 13.3 39.8



#90
Hexachloroethane
Concen: 53.050 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 117 Resp: 348104
Ion Ratio Lower Upper
117 100
201 84.3 45.7 137.1





#91

1,2-Dichlorobenzene

Concen: 48.797 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

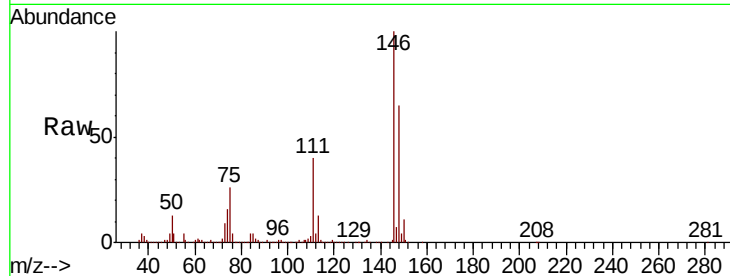
Tot Ion:146 Resp: 1072317

Ion Ratio Lower Upper

146 100

111 39.5 19.7 59.0

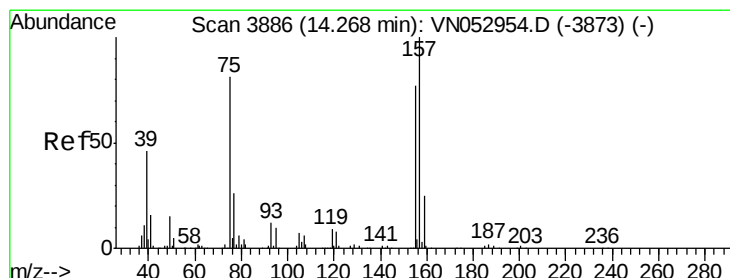
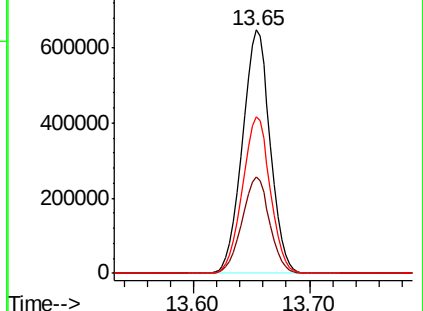
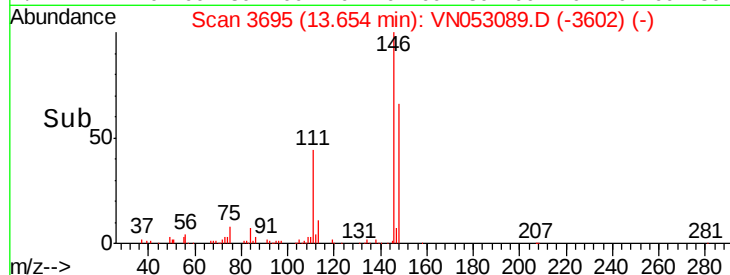
148 64.6 32.0 96.0



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: 49.659 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

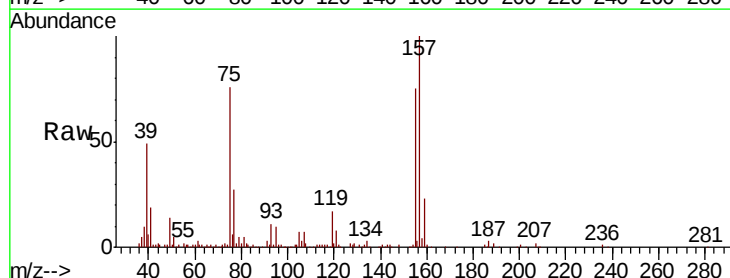
Tgt Ion: 75 Resp: 85493

Ion Ratio Lower Upper

75 100

155 97.6 48.2 144.6

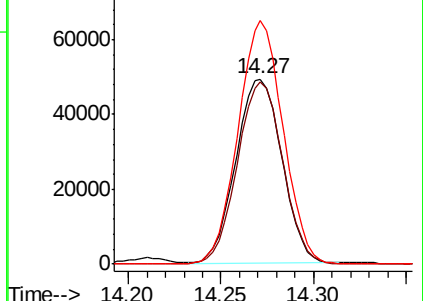
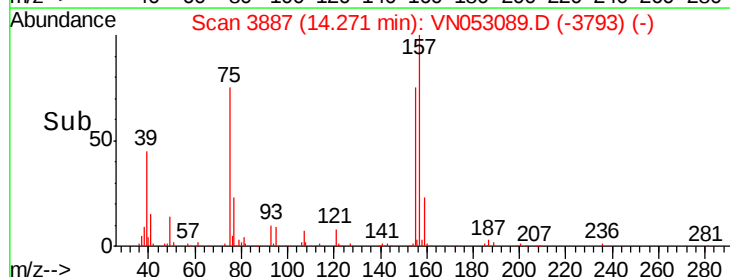
157 128.9 61.2 183.5



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

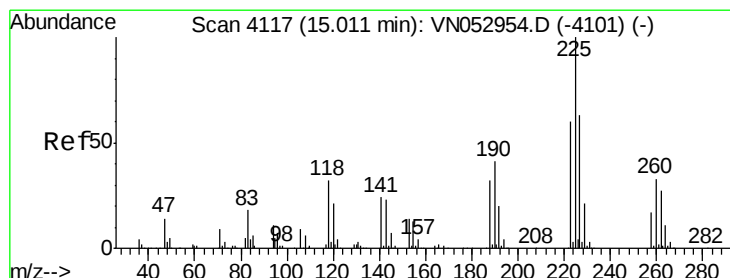
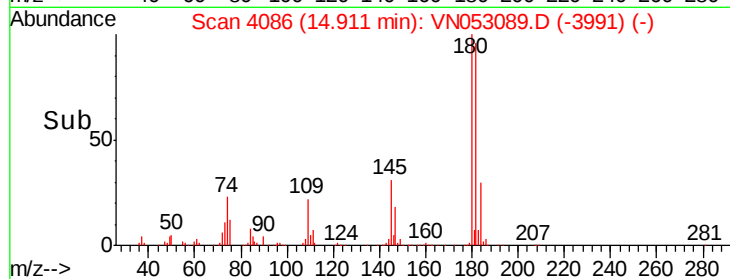
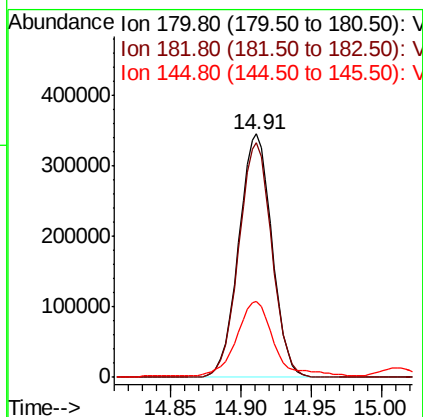
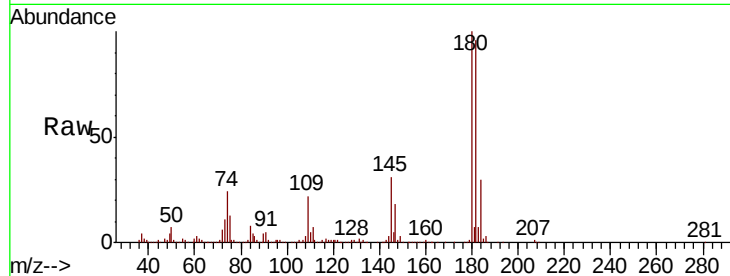




#93
 1,2,4-Trichlorobenzene
 Concen: 48.802 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

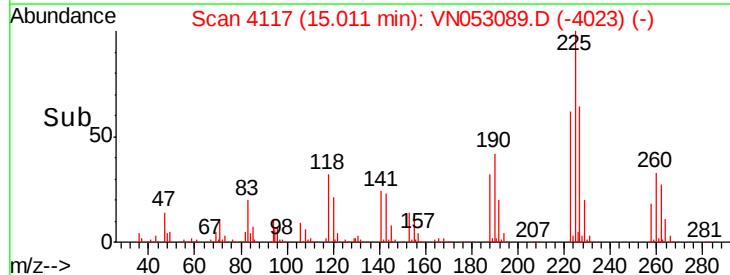
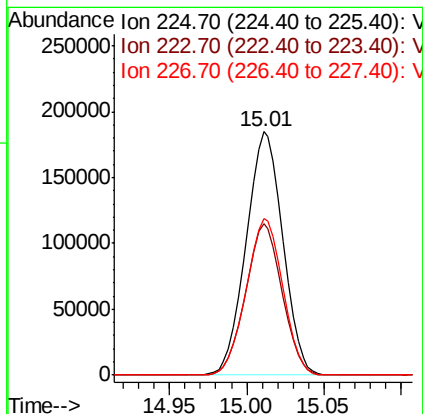
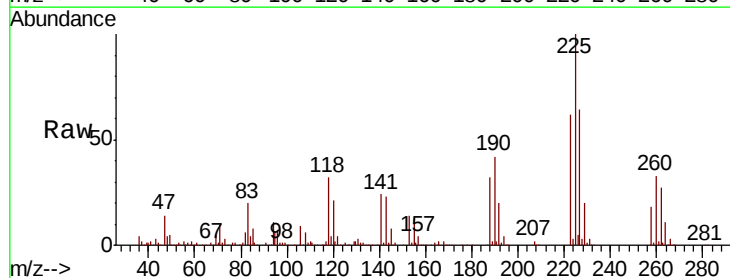
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MSD

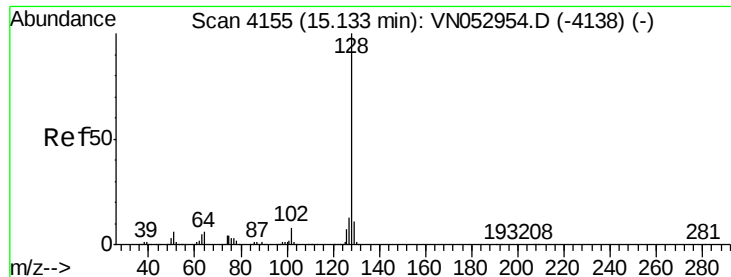
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.3
145	34.6	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 50.671 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.5	94.5
227	64.1	31.9	95.7

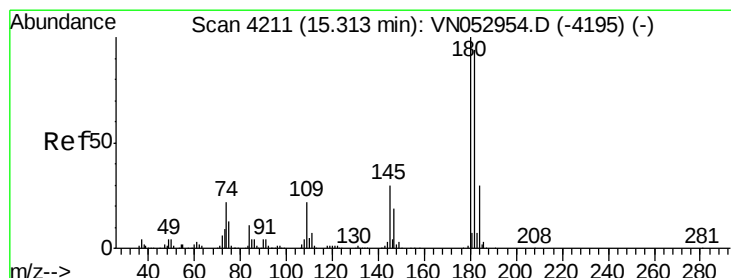
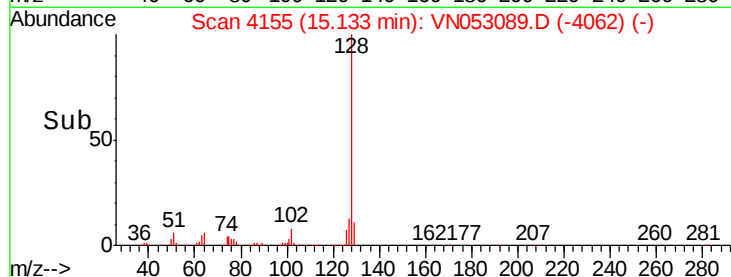
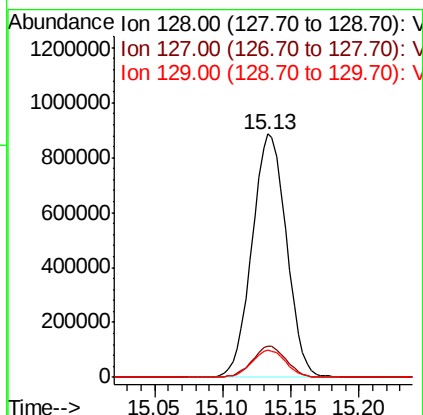
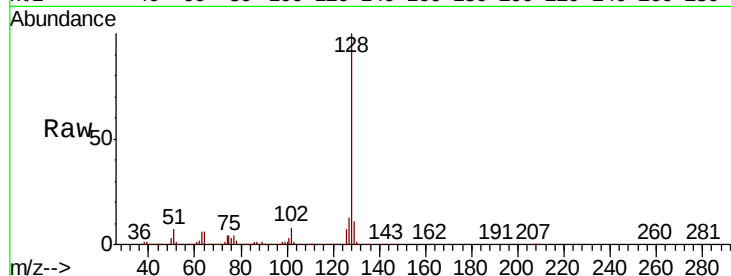




#95
Naphthalene
Concen: 60.497 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion:128 Resp: 1549176
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.961 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion:180 Resp: 523795
Ion Ratio Lower Upper
180 100
182 95.5 47.9 143.7
145 34.1 15.0 45.0

