

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057890.D
 Acq On : 11 Sep 2019 1:30
 Operator : JC/SP
 Sample : K4818-05MS
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Quant Time: Sep 11 04:01:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	320251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	539365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	522280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	329007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	345192	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
35) Dibromofluoromethane	7.58	113	250364	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	10.09	98	1011524	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.40	95	372993	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	231686	52.312	ug/l	100
3) Chloromethane	2.03	50	210480	46.628	ug/l	100
4) Vinyl Chloride	2.16	62	226138	47.334	ug/l	100
5) Bromomethane	2.53	94	88161	33.065	ug/l	100
6) Chloroethane	2.67	64	143229	47.048	ug/l	95
7) Trichlorofluoromethane	2.99	101	285283	47.450	ug/l	98
8) Diethyl Ether	3.39	74	120451	48.034	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	185724	48.969	ug/l	100
10) Methyl Iodide	3.93	142	136372	32.312	ug/l	99
11) Tert butyl alcohol	4.77	59	222396	283.283	ug/l	100
12) 1,1-Dichloroethene	3.71	96	163512	47.949	ug/l	96
13) Acrolein	3.58	56	131650	197.659	ug/l	99
14) Allyl chloride	4.30	41	307624	46.096	ug/l	100
15) Acrylonitrile	4.96	53	557570	258.394	ug/l	99
16) Acetone	3.80	43	491823	231.297	ug/l	97
17) Carbon Disulfide	4.03	76	248777	46.883	ug/l	99
18) Methyl Acetate	4.30	43	282259	49.785	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	804171	56.665	ug/l	99
20) Methylene Chloride	4.53	84	209592	51.821	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	172800	46.876	ug/l	99
22) Diisopropyl ether	5.93	45	795911	50.856	ug/l	99
23) Vinyl Acetate	5.87	43	2808547	253.220	ug/l	100
24) 1,1-Dichloroethane	5.82	63	419384	49.032	ug/l	99
25) 2-Butanone	6.82	43	783272	254.507	ug/l	100
26) 2,2-Dichloropropane	6.80	77	251818	37.202	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	242402	49.068	ug/l	98
28) Bromochloromethane	7.18	49	216528	50.672	ug/l	96
29) Tetrahydrofuran	7.19	42	496417	261.763	ug/l	99
30) Chloroform	7.36	83	443519	49.593	ug/l	99
31) Cyclohexane	7.63	56	305346	52.499	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	347838	49.041	ug/l	99
36) 1,1-Dichloropropene	7.78	75	283955	45.395	ug/l	99
37) Ethyl Acetate	6.91	43	296398	45.862	ug/l	99
38) Carbon Tetrachloride	7.76	117	277561	48.601	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	304881	46.365	ug/l	99
40) Benzene	8.03	78	904810	48.046	ug/l	98
41) Methacrylonitrile	7.16	41	145529	49.606	ug/l	98
42) 1,2-Dichloroethane	8.11	62	358912	47.654	ug/l	100
43) Isopropyl Acetate	8.15	43	533570	49.094	ug/l #	90
44) Trichloroethene	8.83	130	216134	46.792	ug/l	98
45) 1,2-Dichloropropane	9.11	63	270691	49.397	ug/l	98
46) Dibromomethane	9.20	93	161028	48.628	ug/l	99
47) Bromodichloromethane	9.40	83	328863	49.733	ug/l	95
48) Methyl methacrylate	9.19	41	271306	49.211	ug/l	99
49) 1,4-Dioxane	9.19	88	86256	925.179	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1735516	269.845	ug/l	99
52) Toluene	10.15	92	590676	49.799	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	340905	48.957	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	370427	48.182	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	252314	50.219	ug/l	99
56) Ethyl methacrylate	10.43	69	390143	51.565	ug/l	99
57) 1,3-Dichloropropane	10.71	76	422485	48.793	ug/l	99
59) 2-Hexanone	10.75	43	1288822	267.353	ug/l	99
60) Dibromochloromethane	10.90	129	238241	51.064	ug/l	99
61) 1,2-Dibromoethane	11.00	107	236189	49.724	ug/l	99
64) Tetrachloroethene	10.63	164	167988	43.562	ug/l	98
65) Chlorobenzene	11.43	112	650990	47.627	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	234176	49.374	ug/l	100
67) Ethyl Benzene	11.51	91	1216574	50.787	ug/l	99
68) m/p-Xylenes	11.62	106	886479	101.029	ug/l	99
69) o-Xylene	11.95	106	448746	51.443	ug/l	97
70) Styrene	11.97	104	774501	51.591	ug/l	99
71) Bromoform	12.13	173	149204	50.458	ug/l #	97
73) Isopropylbenzene	12.25	105	1346988	52.761	ug/l	99
74) N-amyl acetate	12.07	43	541438	48.731	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	388997	45.254	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	469899	63.135	ug/l #	100
77) Bromobenzene	12.53	156	308911	48.532	ug/l	89
78) n-propylbenzene	12.59	91	1666271	56.838	ug/l	100
79) 2-Chlorotoluene	12.68	91	860536	46.443	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1089400	50.502	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	90984	43.019	ug/l	96
82) 4-Chlorotoluene	12.78	91	905724	47.600	ug/l	100
83) tert-Butylbenzene	13.00	119	929330	48.466	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1217199	55.519	ug/l	99
85) sec-Butylbenzene	13.18	105	1351027	53.159	ug/l	100
86) p-Isopropyltoluene	13.29	119	1154040	51.536	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	556118	47.600	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	558280	47.076	ug/l	99
89) n-Butylbenzene	13.62	91	1126709	53.280	ug/l	97
90) Hexachloroethane	13.88	117	196755	59.080	ug/l	84
91) 1,2-Dichlorobenzene	13.66	146	554660	47.520	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	72900	51.354	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	367337	48.150	ug/l #	86

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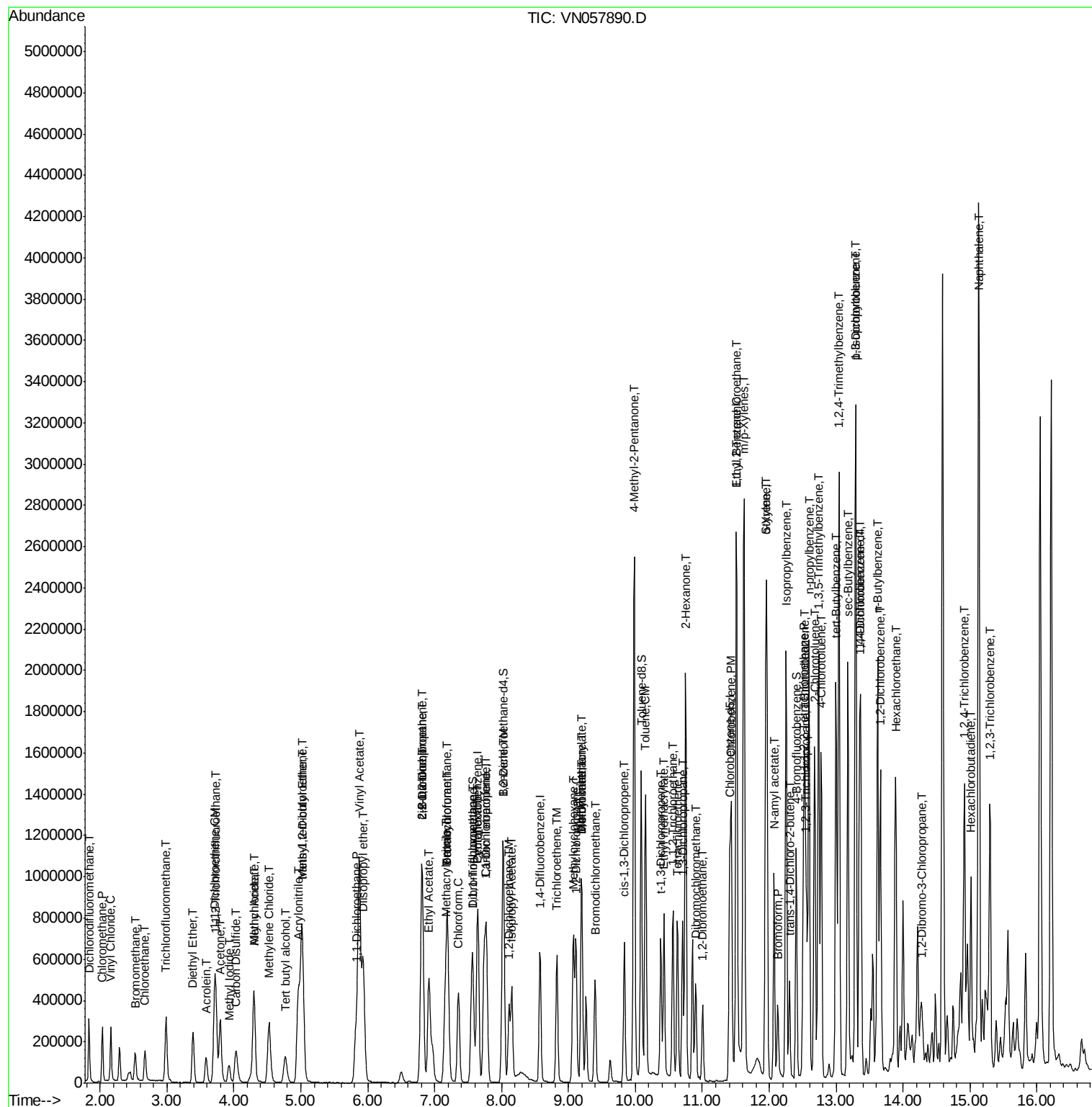
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	154320	47.718	ug/l	99
95) Naphthalene	15.13	128	3194169	169.602	ug/l	96
96) 1,2,3-Trichlorobenzene	15.30	180	365670	54.806	ug/l #	91

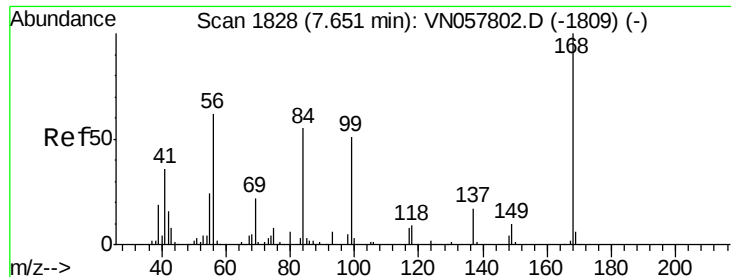
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

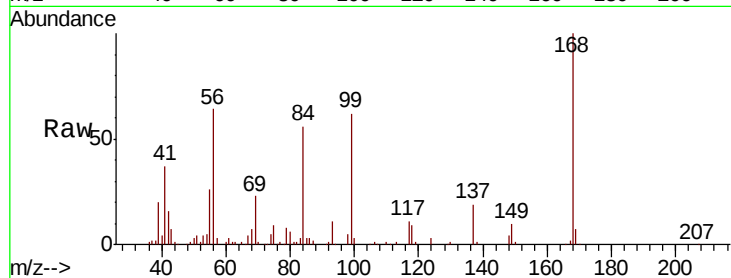
T11-MW-9-9.0-091019MS

Tgt Ion:168 Resp: 320251

Ion Ratio Lower Upper

168 100

99 61.3 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

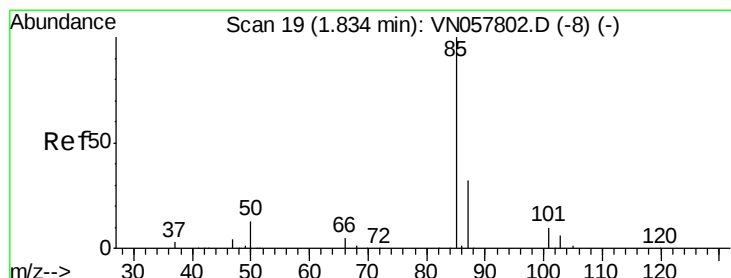
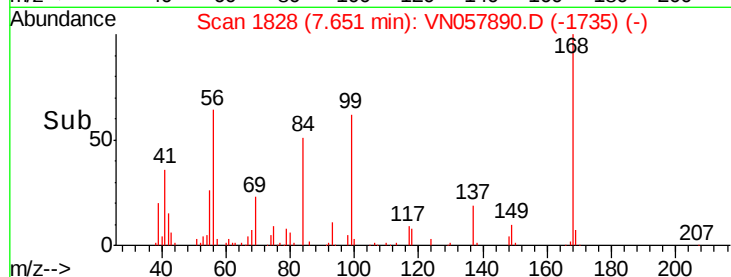
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 52.312 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057890.D

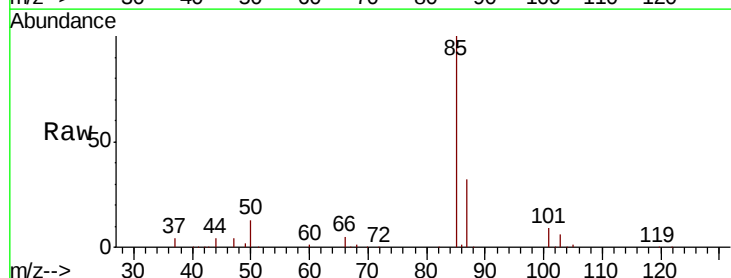
Acq: 11 Sep 2019 1:30

Tgt Ion: 85 Resp: 231686

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

200000

150000

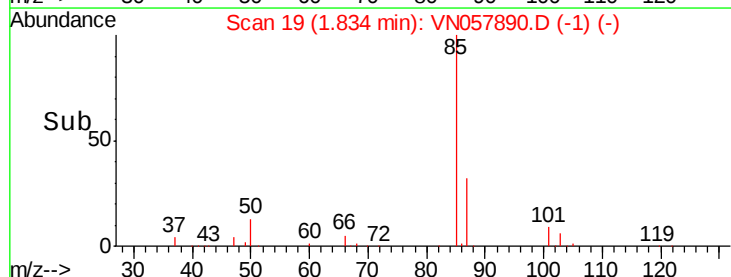
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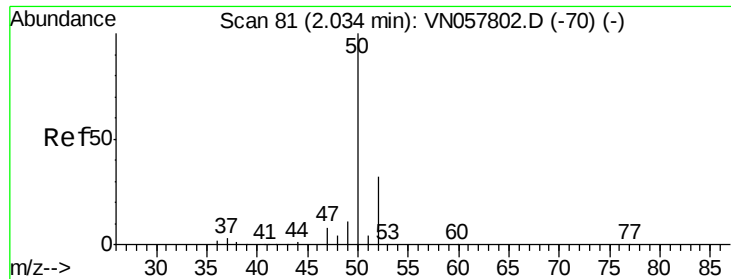
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->

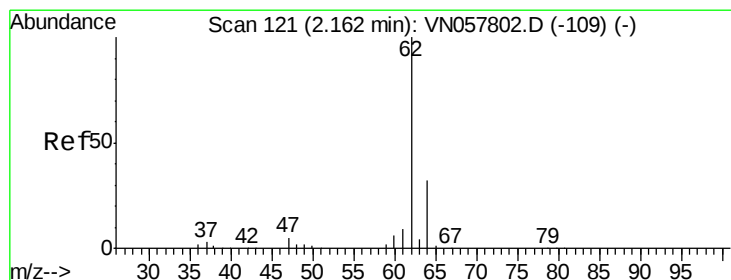
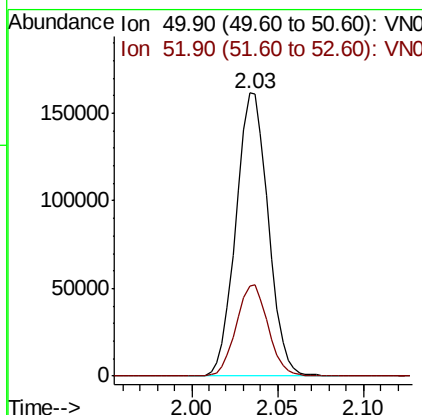
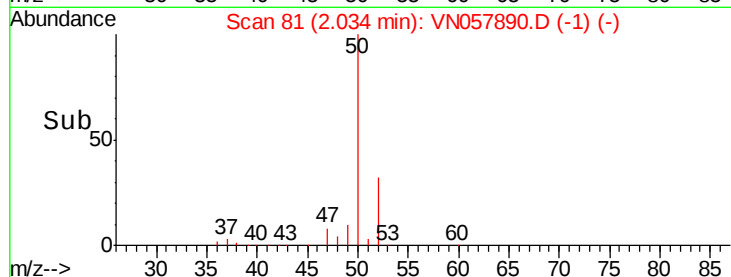
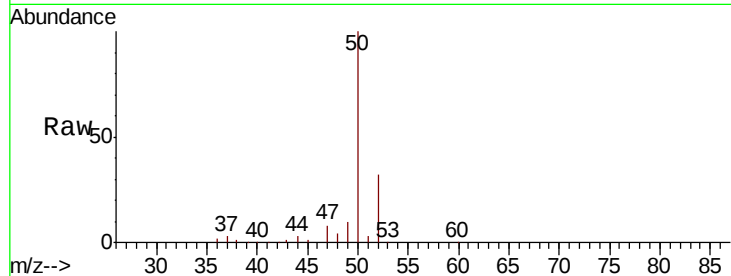




#3
Chloromethane
Concen: 46.628 ug/l
RT: 2.03 min Scan# 81
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

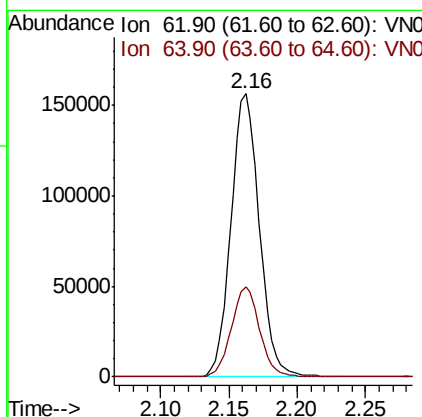
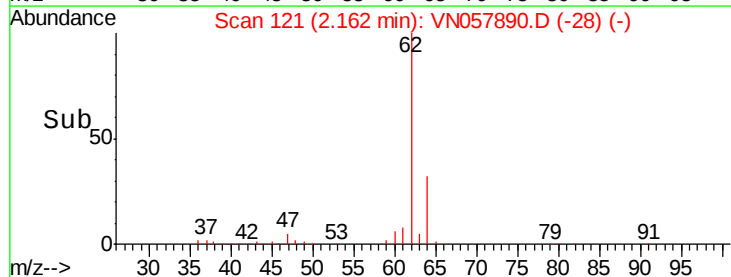
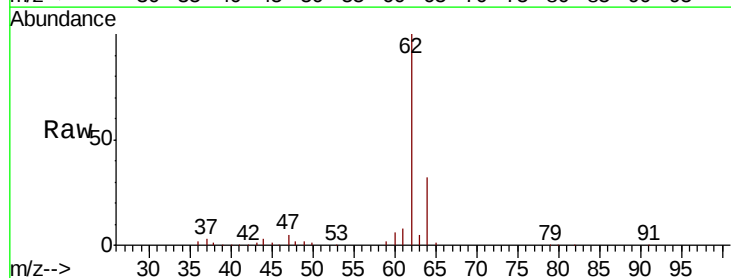
Instrument :
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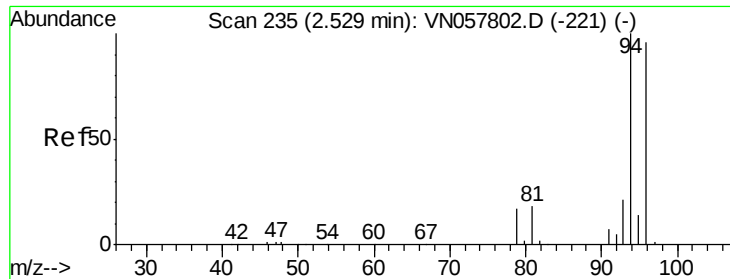
Tgt Ion: 50 Resp: 210480
Ion Ratio Lower Upper
50 100
52 32.0 25.5 38.3



#4
Vinyl Chloride
Concen: 47.334 ug/l
RT: 2.16 min Scan# 121
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion: 62 Resp: 226138
Ion Ratio Lower Upper
62 100
64 32.0 25.6 38.4





#5

Bromomethane

Concen: 33.065 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

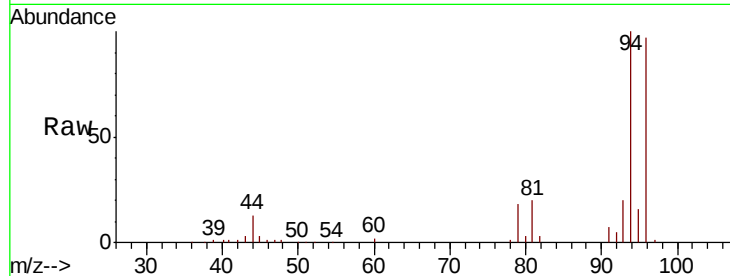
T11-MW-9-9.0-091019MS

Tgt Ion: 94 Resp: 88161

Ion Ratio Lower Upper

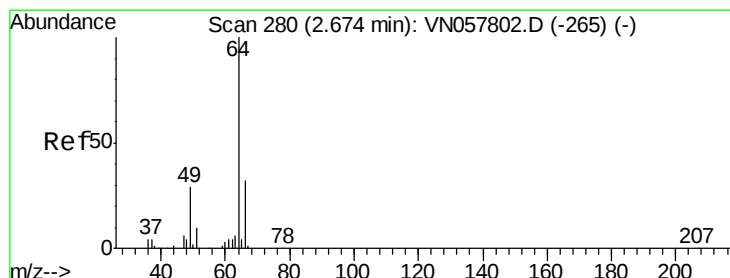
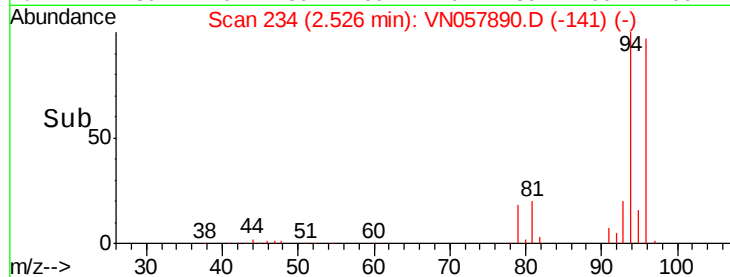
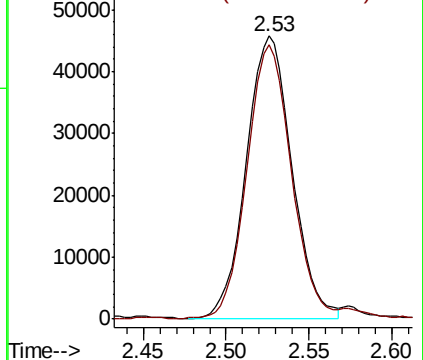
94 100

96 96.4 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.048 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN057890.D

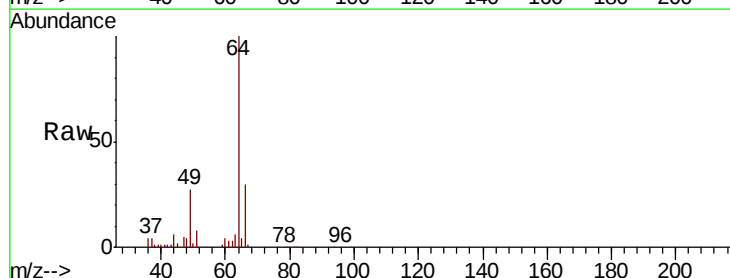
Acq: 11 Sep 2019 1:30

Tgt Ion: 64 Resp: 143229

Ion Ratio Lower Upper

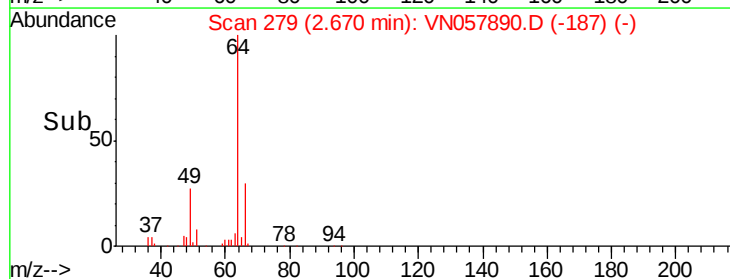
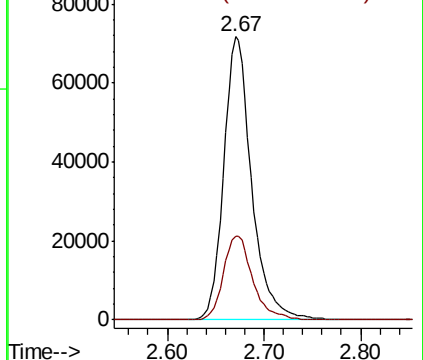
64 100

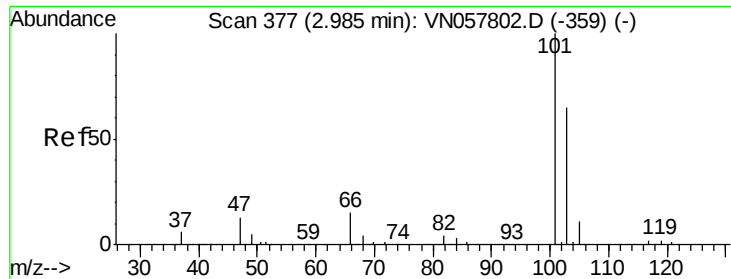
66 29.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



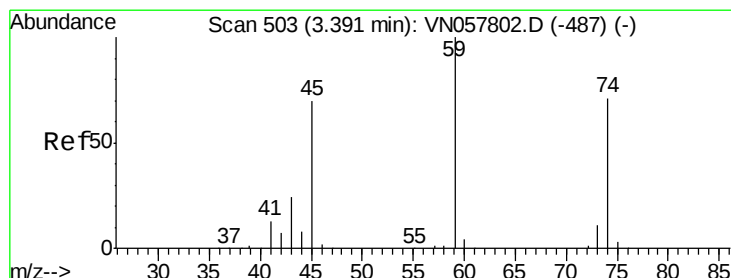
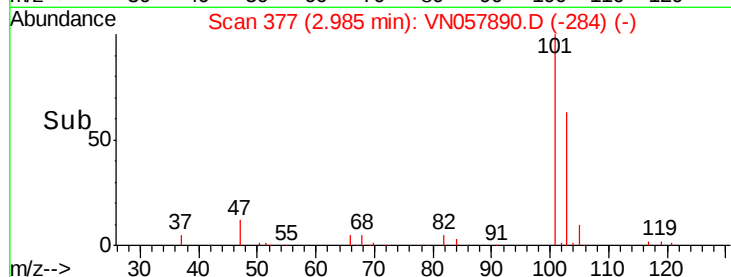
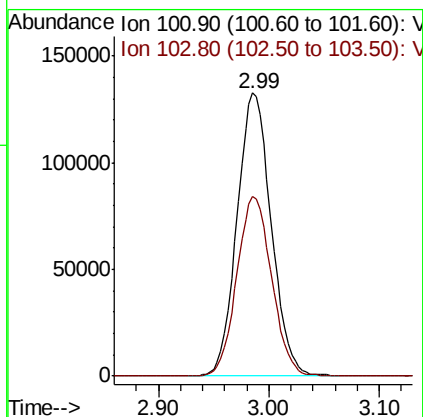
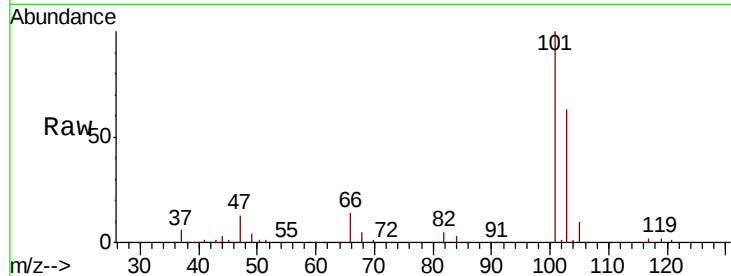


#7

Trichlorofluoromethane
 Concen: 47.450 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Instrument :
 MSVOA_N
 ClientSampleId :
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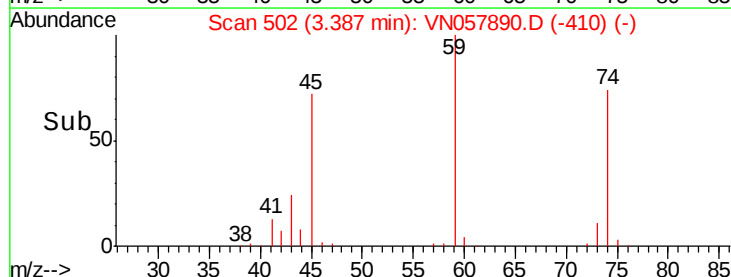
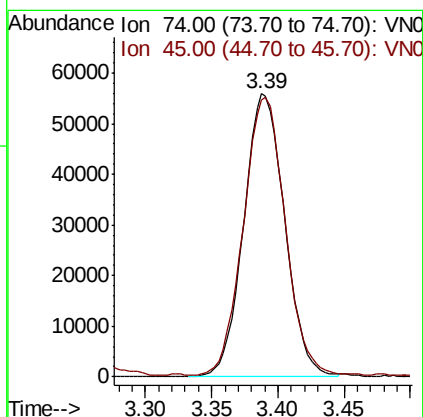
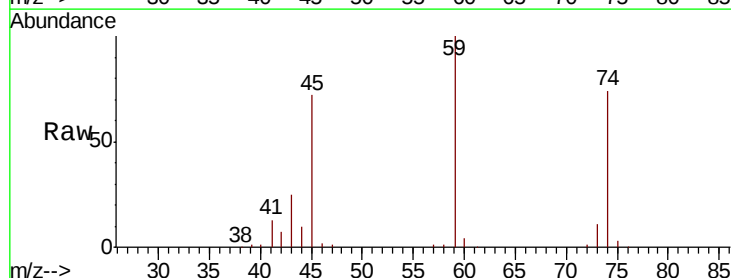
Tgt Ion:101 Resp: 285283
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.9 77.9

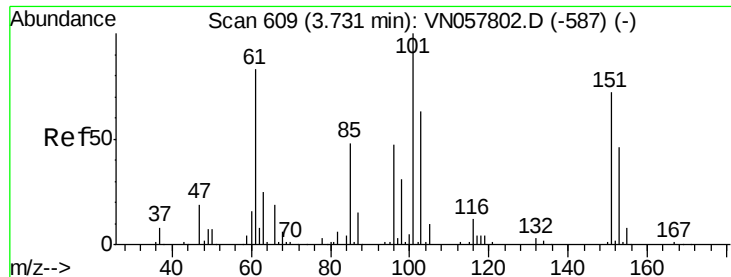


#8

Diethyl Ether
 Concen: 48.034 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion: 74 Resp: 120451
 Ion Ratio Lower Upper
 74 100
 45 100.3 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.969 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

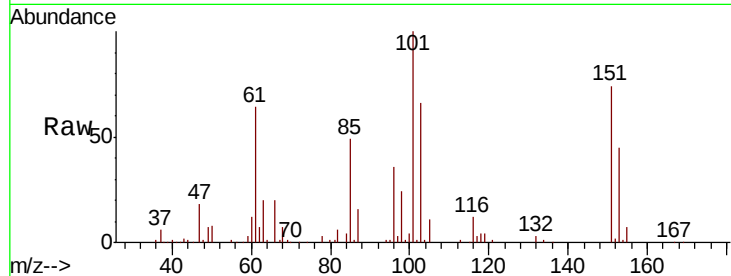
Tgt Ion:101 Resp: 185724

Ion Ratio Lower Upper

101 100

85 47.4 38.1 57.1

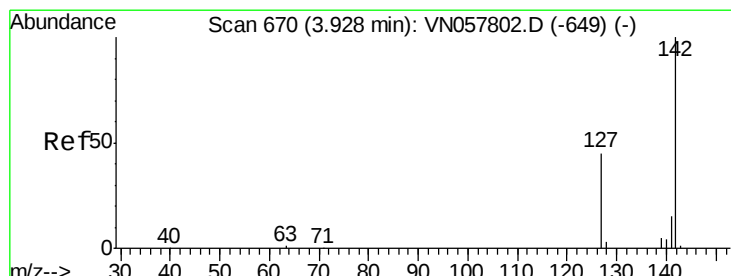
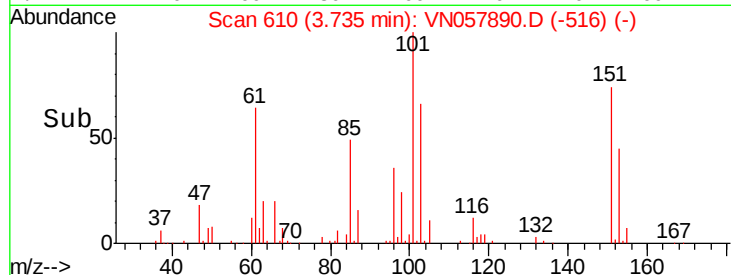
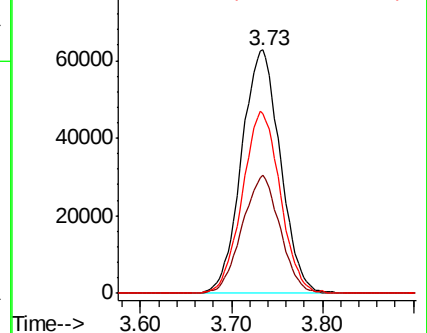
151 73.0 58.4 87.6



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: 32.312 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

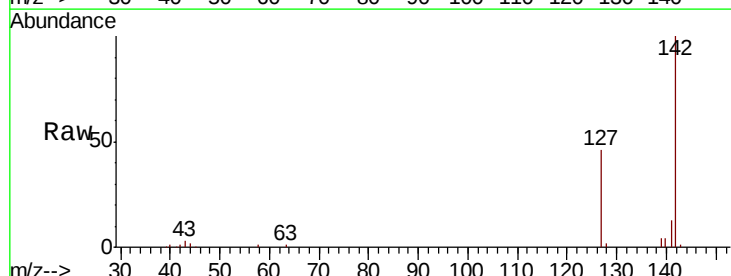
Tgt Ion:142 Resp: 136372

Ion Ratio Lower Upper

142 100

127 45.1 36.7 55.1

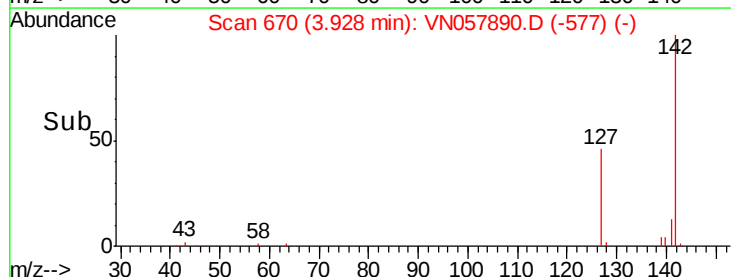
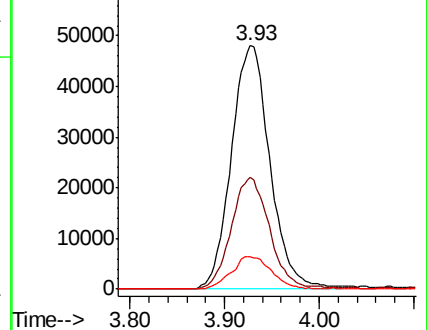
141 13.8 11.4 17.0

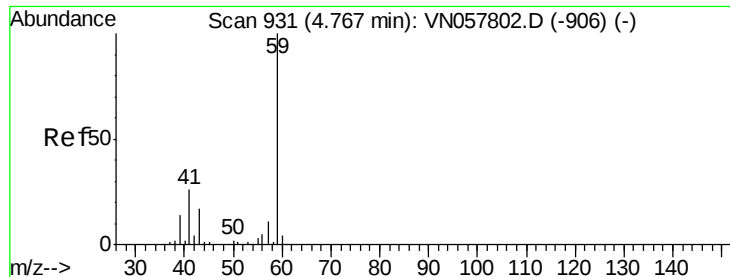


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

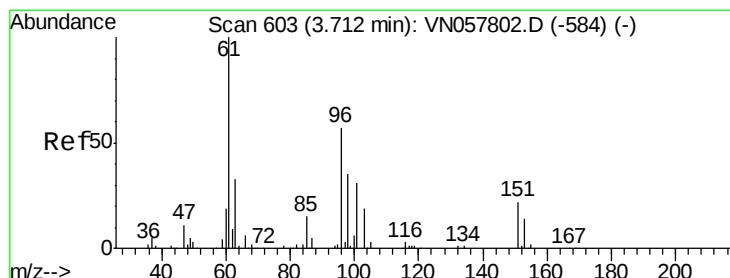
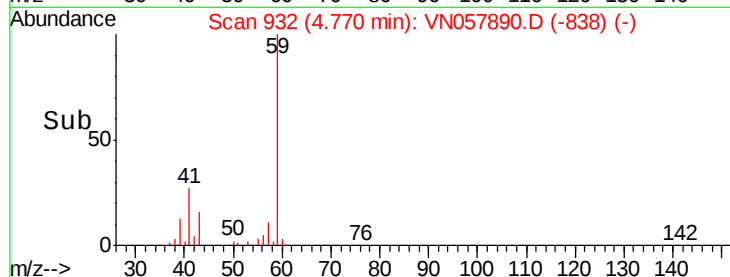
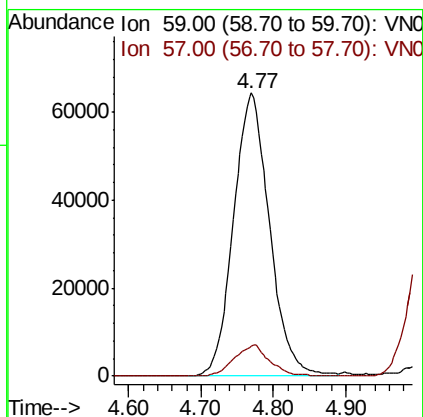
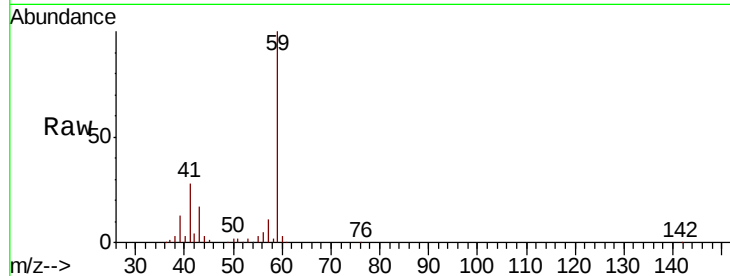




#11
Tert butyl alcohol
Concen: 283.283 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

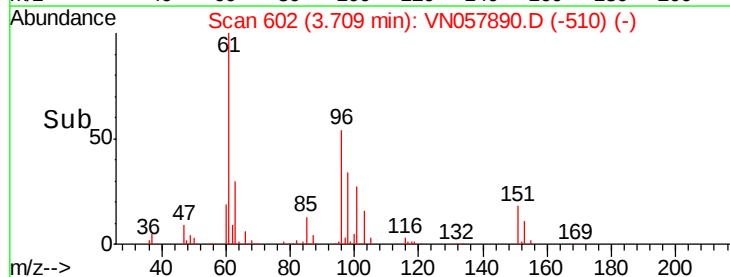
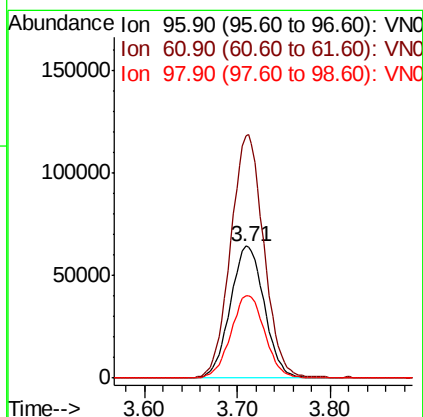
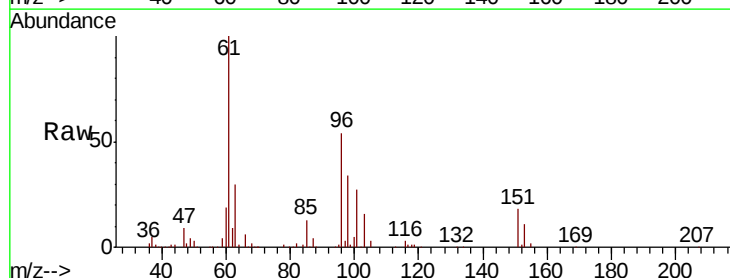
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

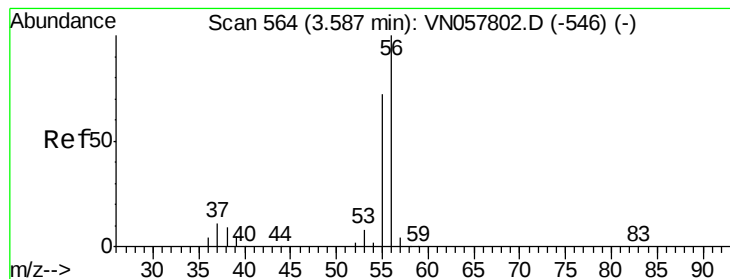
Tgt Ion: 59 Resp: 222396
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6



#12
1,1-Dichloroethene
Concen: 47.949 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion: 96 Resp: 163512
Ion Ratio Lower Upper
96 100
61 183.8 141.2 211.8
98 62.5 49.9 74.9





#13

Acrolein

Concen: 197.659 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

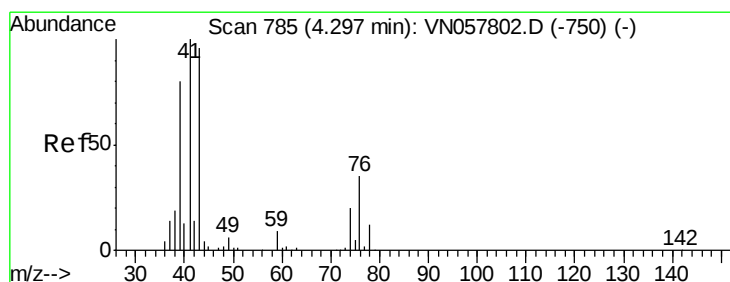
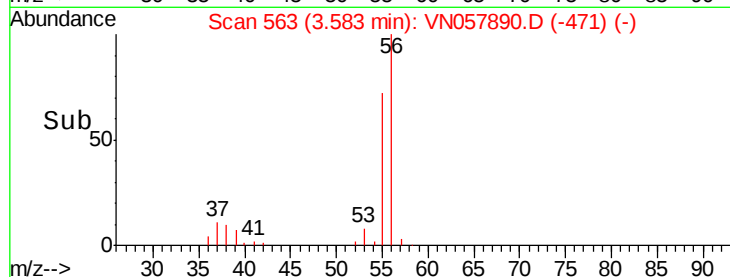
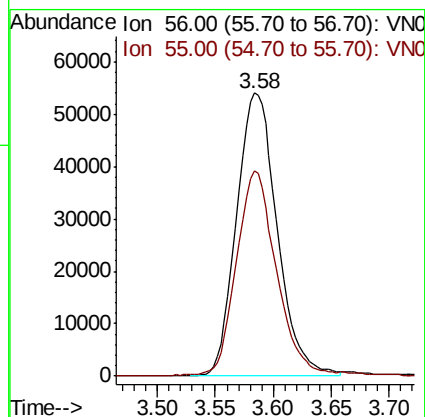
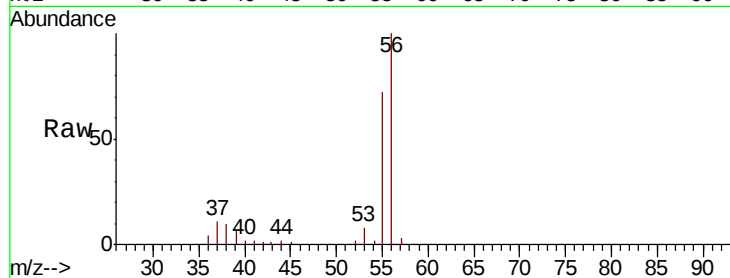
T11-MW-9-9.0-091019MS

Tgt Ion: 56 Resp: 131650

Ion Ratio Lower Upper

56 100

55 72.2 57.3 85.9



#14

Allyl chloride

Concen: 46.096 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

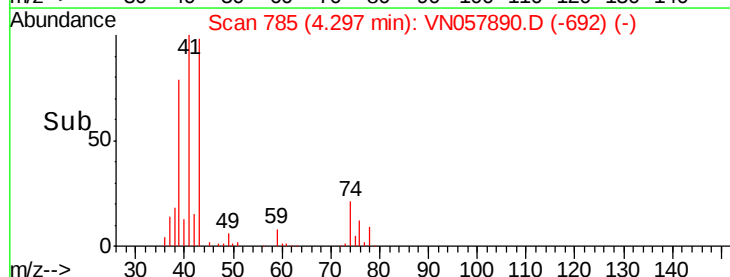
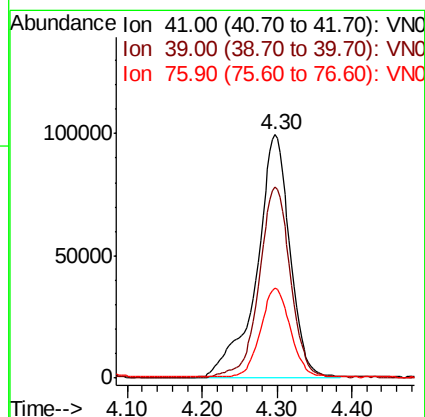
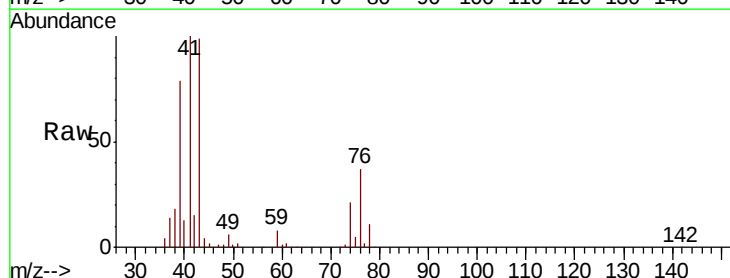
Tgt Ion: 41 Resp: 307624

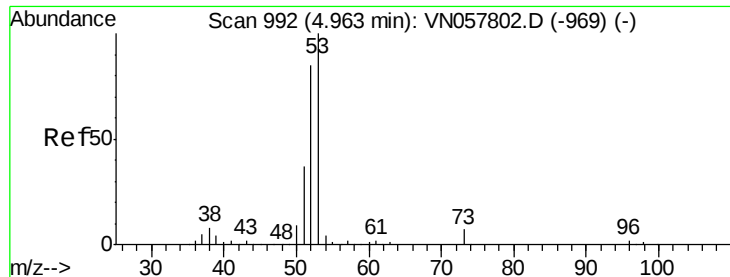
Ion Ratio Lower Upper

41 100

39 74.2 59.4 89.2

76 32.6 26.0 39.0





#15

Acrylonitrile

Concen: 258.394 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

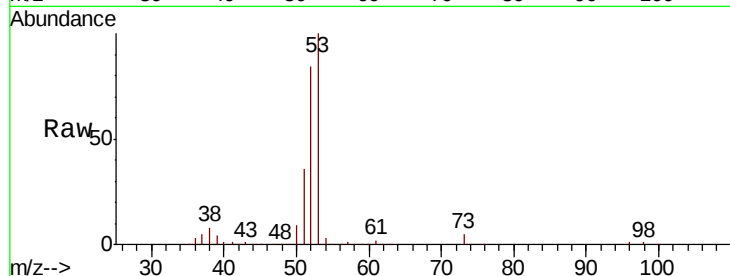
Tgt Ion: 53 Resp: 557570

Ion Ratio Lower Upper

53 100

52 84.5 66.6 100.0

51 36.6 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN057802.D (-969) (-)

Ion 52.00 (51.70 to 52.70): VN057802.D (-969) (-)

Ion 51.00 (50.70 to 51.70): VN057802.D (-969) (-)

4.96

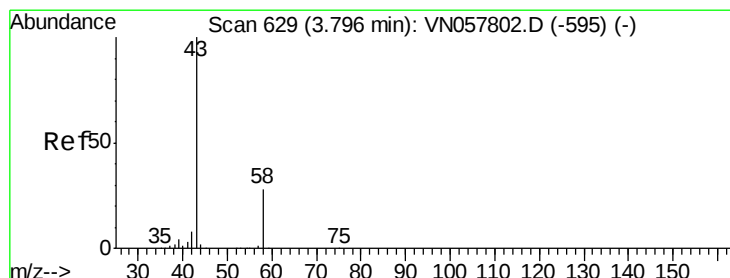
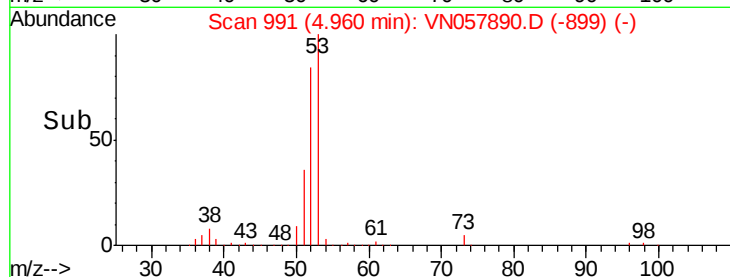
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 231.297 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057890.D

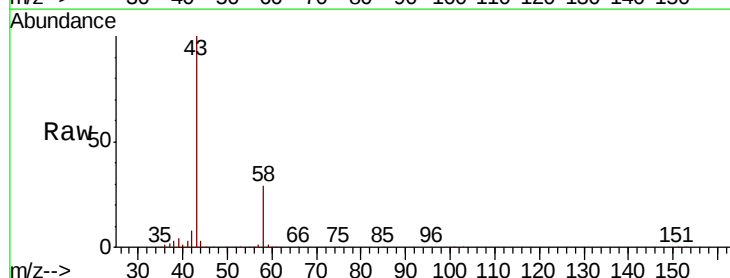
Acq: 11 Sep 2019 1:30

Tgt Ion: 43 Resp: 491823

Ion Ratio Lower Upper

43 100

58 29.2 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-595) (-)

3.80

200000

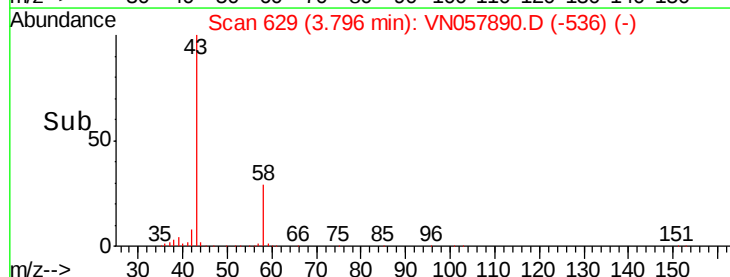
150000

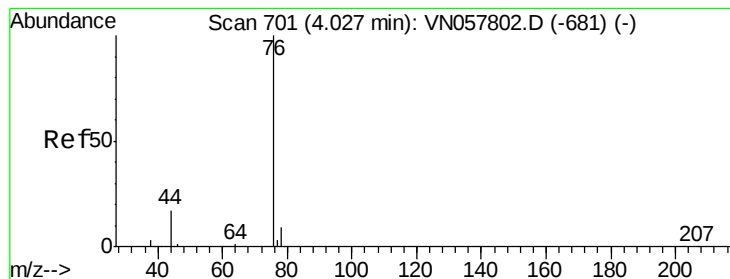
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 46.883 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

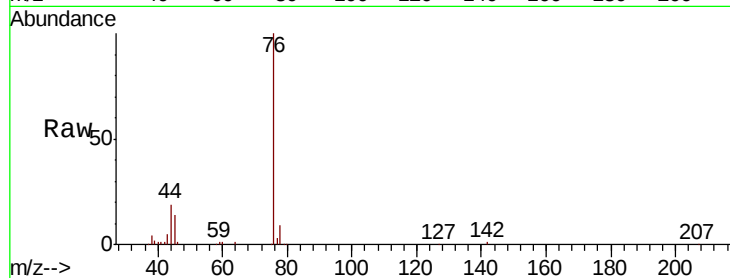
T11-MW-9-9.0-091019MS

Tgt Ion: 76 Resp: 248777

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

100000

80000

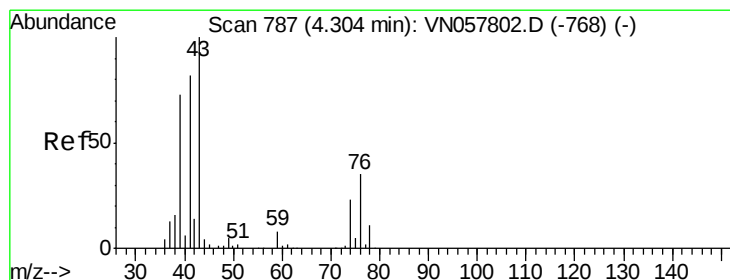
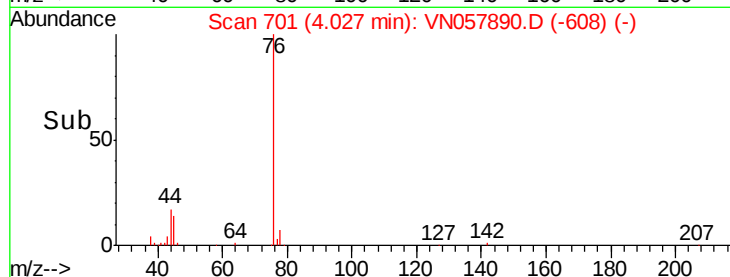
60000

40000

20000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 49.785 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN057890.D

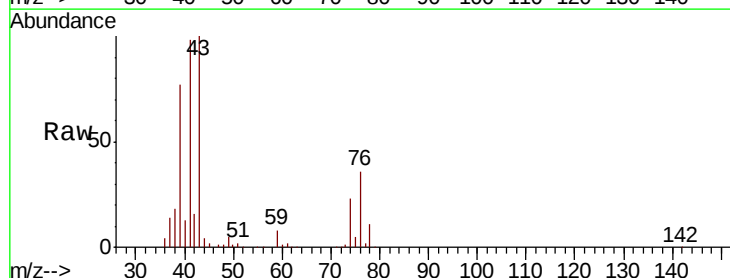
Acq: 11 Sep 2019 1:30

Tgt Ion: 43 Resp: 282259

Ion Ratio Lower Upper

43 100

74 22.8 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

120000

100000

80000

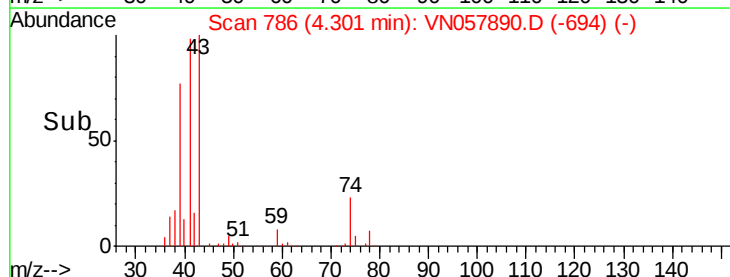
60000

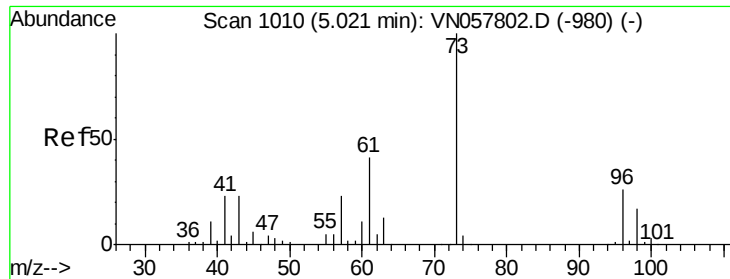
40000

20000

0

Time--> 4.20 4.30 4.40

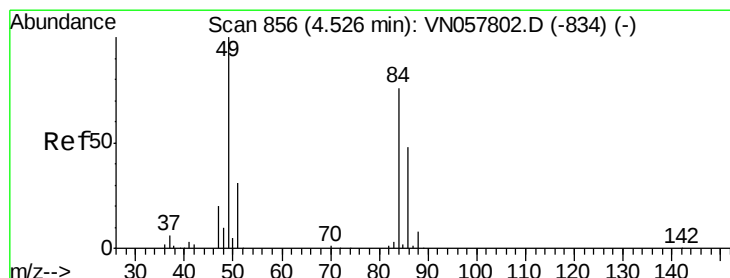
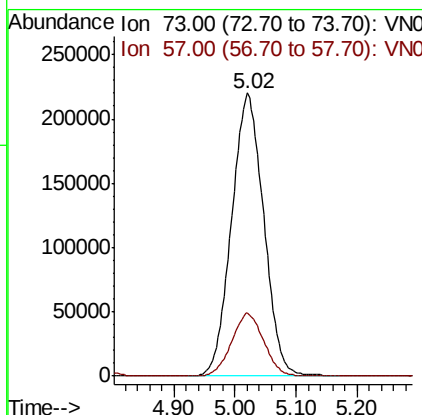
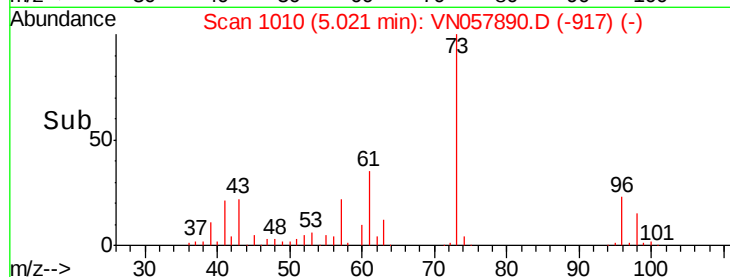
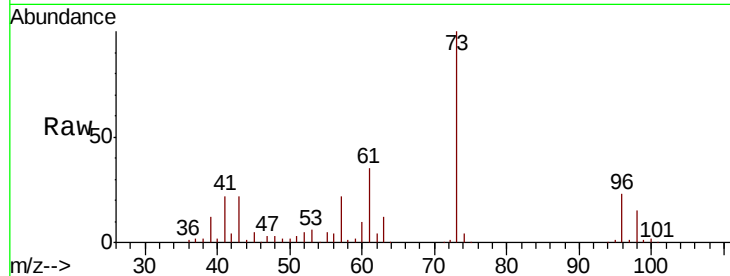




#19
Methyl tert-butyl Ether
Concen: 56.665 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

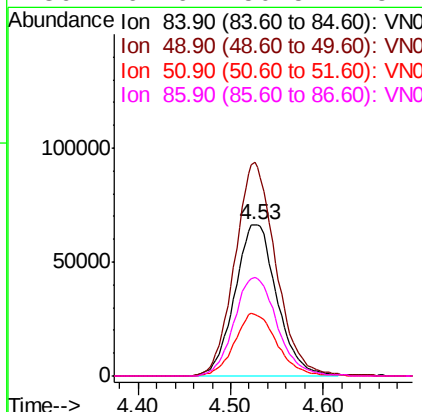
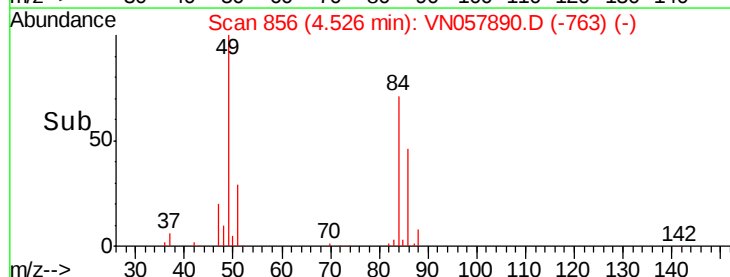
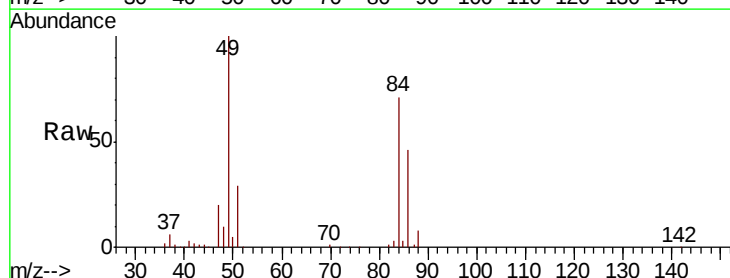
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

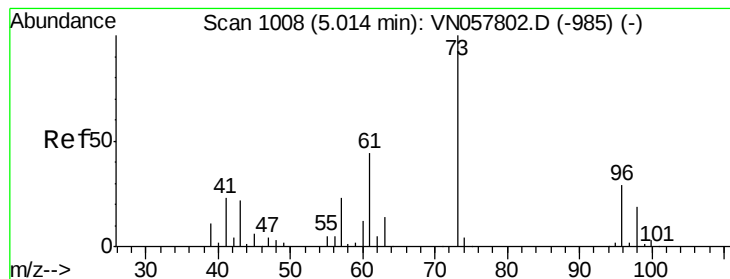
Tgt Ion: 73 Resp: 804171
Ion Ratio Lower Upper
73 100
57 22.4 18.2 27.2



#20
Methylene Chloride
Concen: 51.821 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion: 84 Resp: 209592
Ion Ratio Lower Upper
84 100
49 140.8 104.8 157.2
51 40.8 33.0 49.4
86 64.6 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 46.876 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

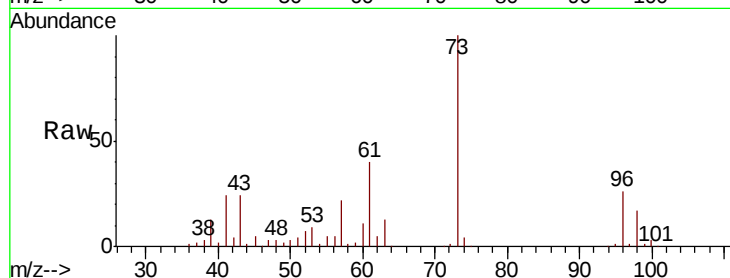
Tgt Ion: 96 Resp: 172800

Ion Ratio Lower Upper

96 100

61 151.6 121.9 182.9

98 62.8 52.2 78.4

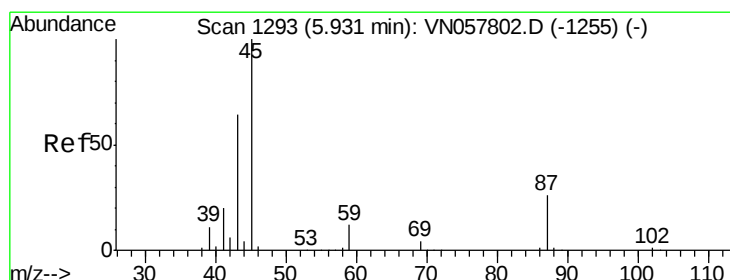
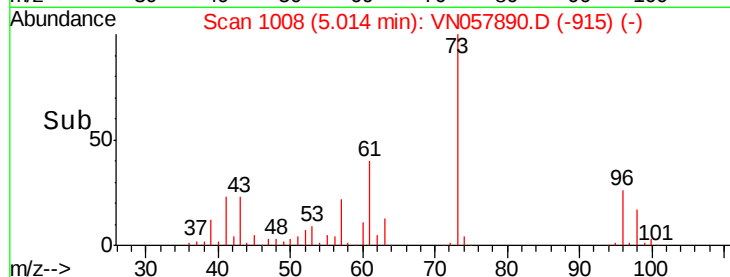
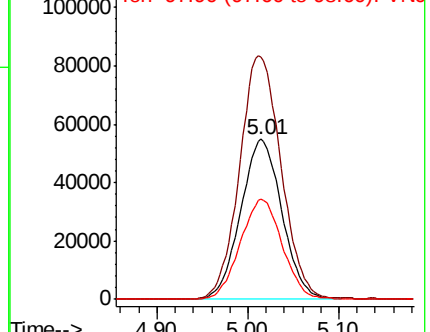


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.856 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Tgt Ion: 45 Resp: 795911

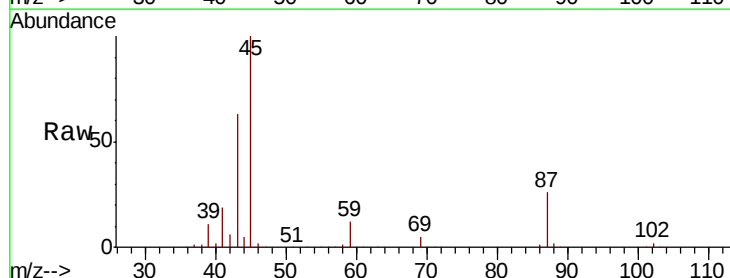
Ion Ratio Lower Upper

45 100

43 62.8 51.4 77.2

87 26.2 21.3 31.9

59 11.7 9.3 13.9



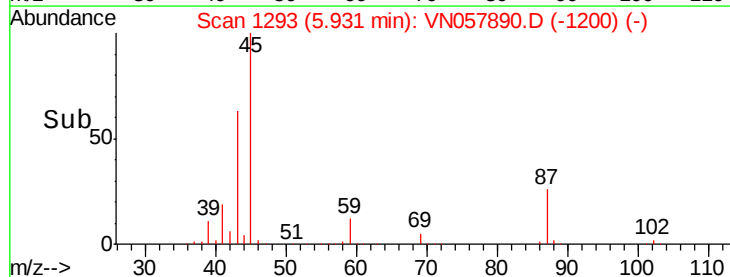
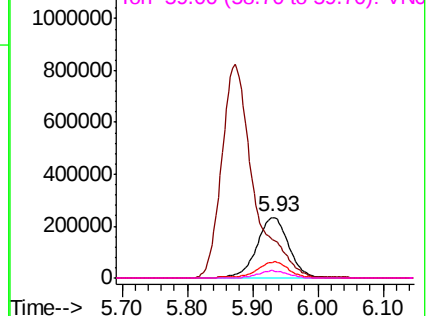
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 253.220 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

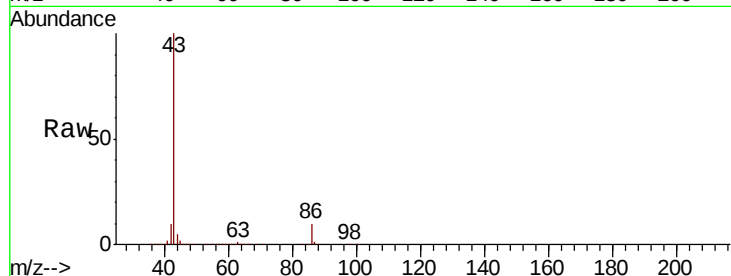
T11-MW-9-9.0-091019MS

Tgt Ion: 43 Resp: 2808547

Ion Ratio Lower Upper

43 100

86 9.5 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1250) (-)

Ion 86.00 (85.70 to 86.70): VN057802.D (-1250) (-)

5.87

800000

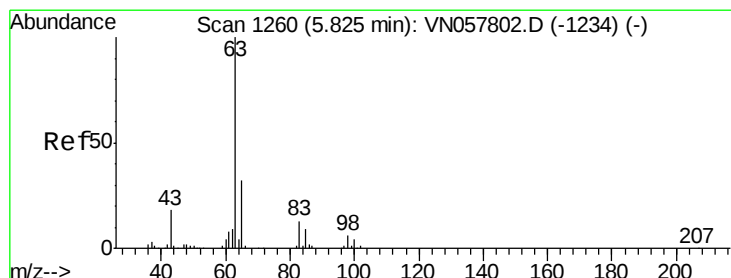
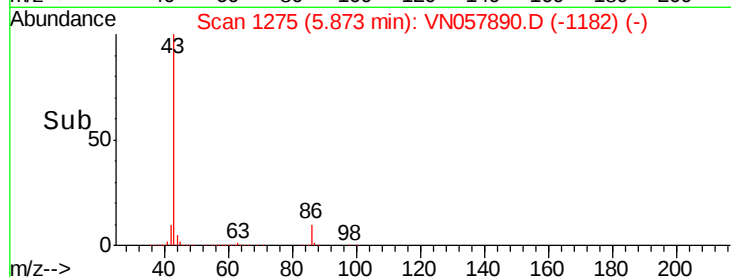
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.032 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

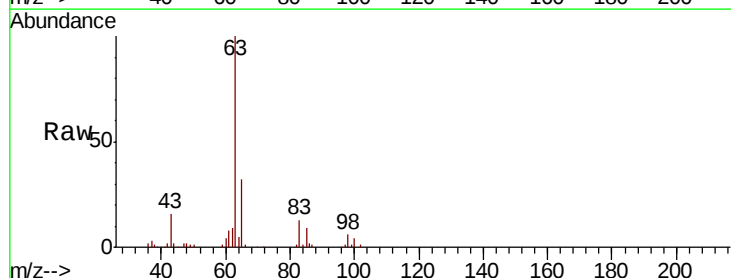
Tgt Ion: 63 Resp: 419384

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN057802.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN057802.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN057802.D (-1234) (-)

5.82

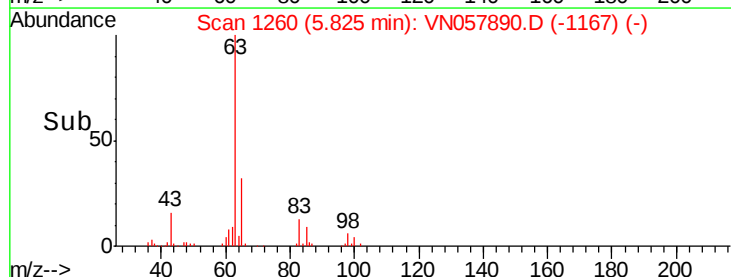
150000

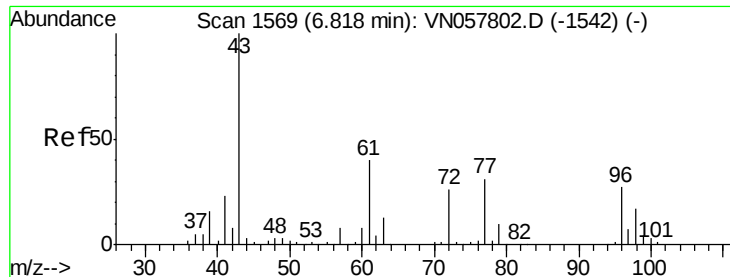
100000

50000

0

Time-->





#25

2-Butanone

Concen: 254.507 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

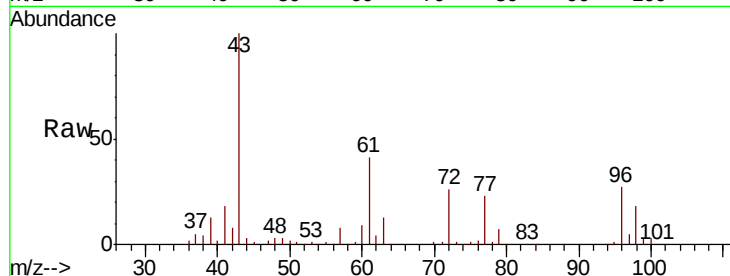
T11-MW-9-9.0-091019MS

Tgt Ion: 43 Resp: 783272

Ion Ratio Lower Upper

43 100

72 25.7 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.82

300000

250000

200000

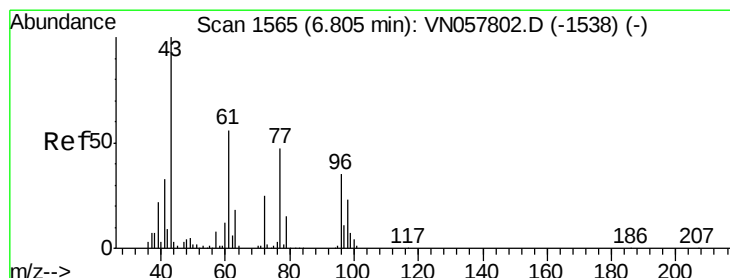
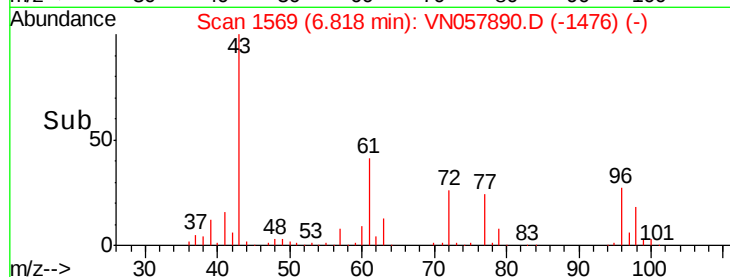
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 37.202 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057890.D

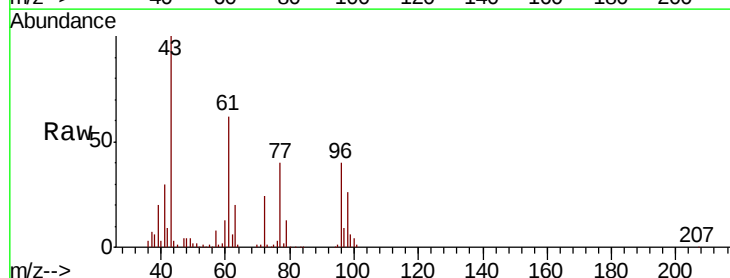
Acq: 11 Sep 2019 1:30

Tgt Ion: 77 Resp: 251818

Ion Ratio Lower Upper

77 100

97 22.9 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

80000

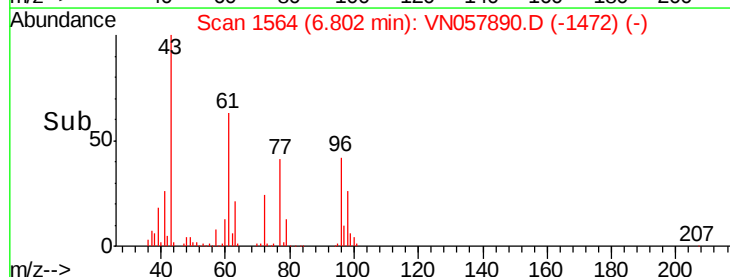
60000

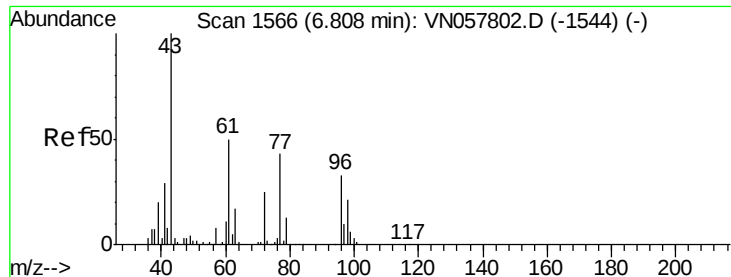
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.068 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

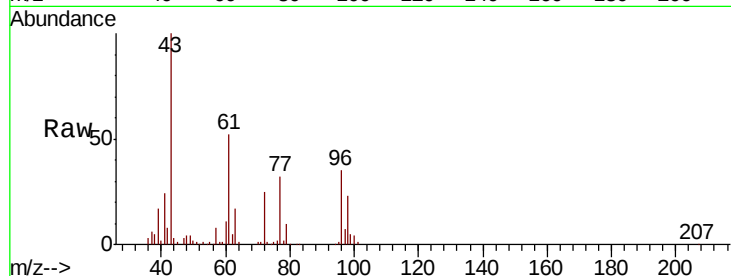
Tgt Ion: 96 Resp: 242402

Ion Ratio Lower Upper

96 100

61 154.0 0.0 314.0

98 64.3 0.0 128.6

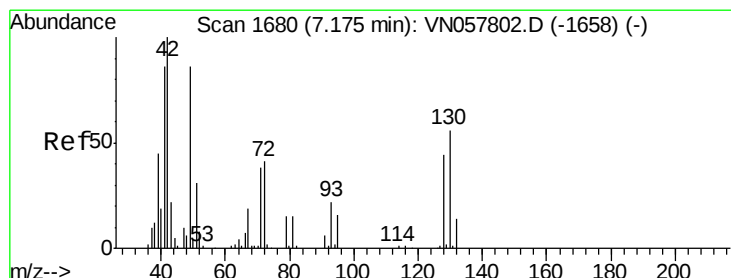
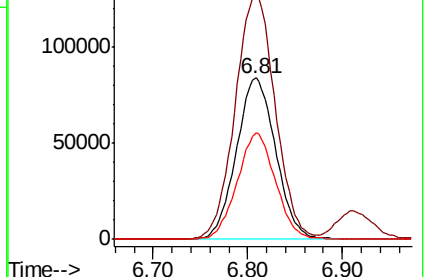
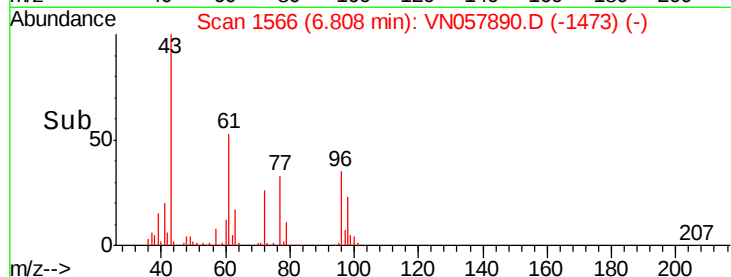


Abundance Ion 95.90 (95.60 to 96.60): VN057890.D (-1473) (-)

Ion 60.90 (60.60 to 61.60): VN057890.D (-1473) (-)

Ion 97.90 (97.60 to 98.60): VN057890.D (-1473) (-)

Time-->



#28

Bromochloromethane

Concen: 50.672 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

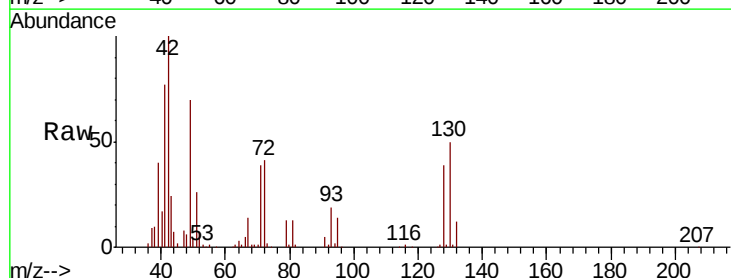
Tgt Ion: 49 Resp: 216528

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.8

130 69.4 53.0 79.6

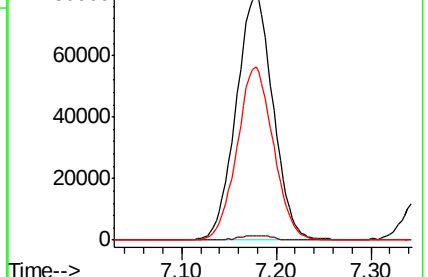
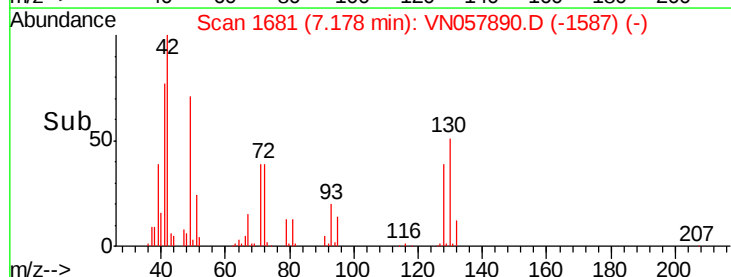


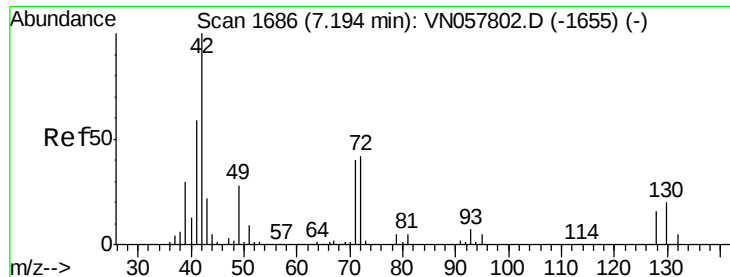
Abundance Ion 48.90 (48.60 to 49.60): VN057890.D (-1587) (-)

Ion 128.80 (128.50 to 129.50): VN057890.D (-1587) (-)

Ion 129.80 (129.50 to 130.50): VN057890.D (-1587) (-)

Time-->





#29

Tetrahydrofuran

Concen: 261.763 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

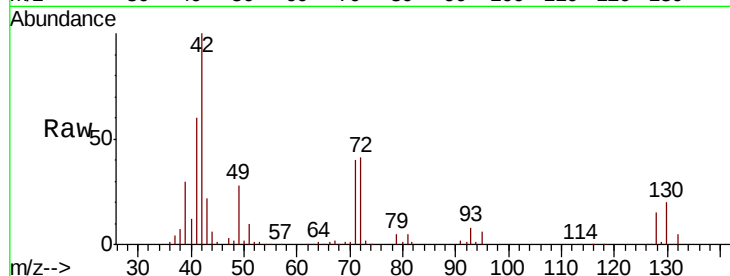
Tgt Ion: 42 Resp: 496417

Ion Ratio Lower Upper

42 100

72 41.6 33.7 50.5

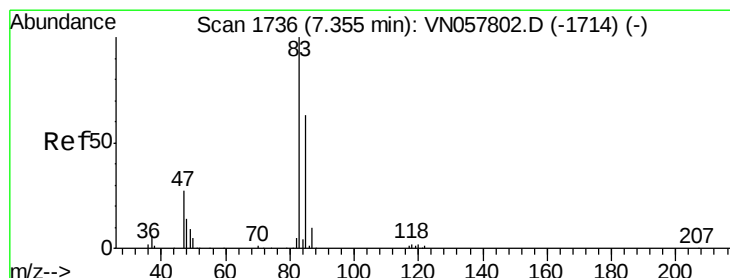
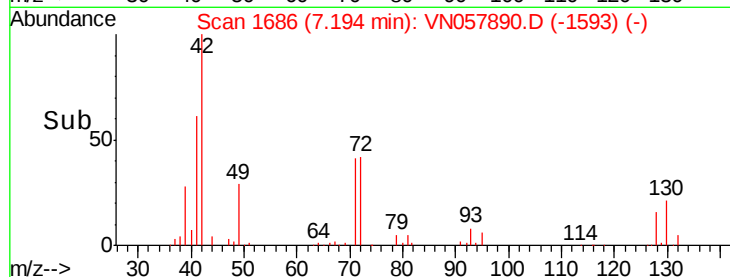
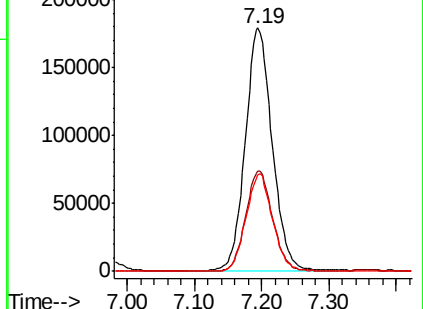
71 39.5 31.9 47.9



Abundance Ion 42.00 (41.70 to 42.70): VN057802.D (-1655) (-)

Ion 72.00 (71.70 to 72.70): VN057802.D (-1655) (-)

Ion 71.00 (70.70 to 71.70): VN057802.D (-1655) (-)



#30

Chloroform

Concen: 49.593 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN057890.D

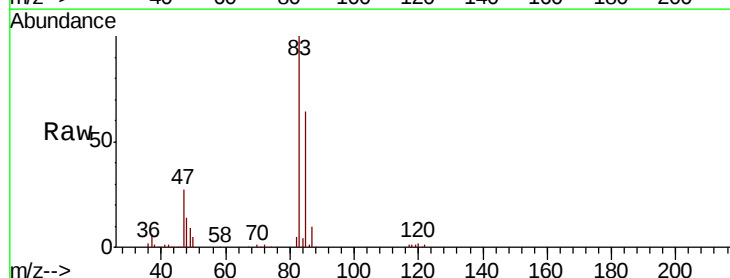
Acq: 11 Sep 2019 1:30

Tgt Ion: 83 Resp: 443519

Ion Ratio Lower Upper

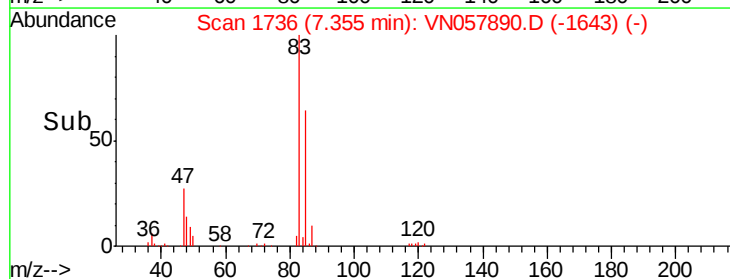
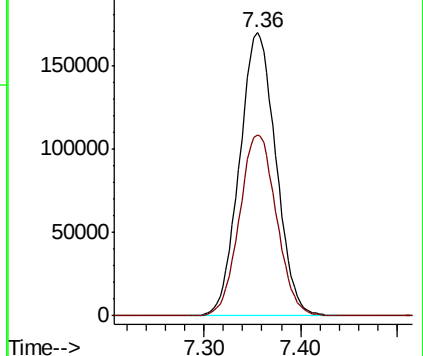
83 100

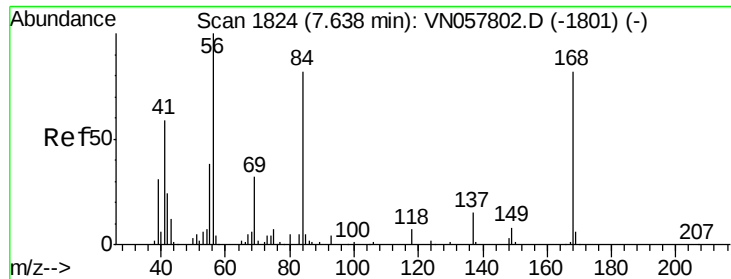
85 63.9 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN057802.D (-1714) (-)

Ion 84.90 (84.60 to 85.60): VN057802.D (-1714) (-)

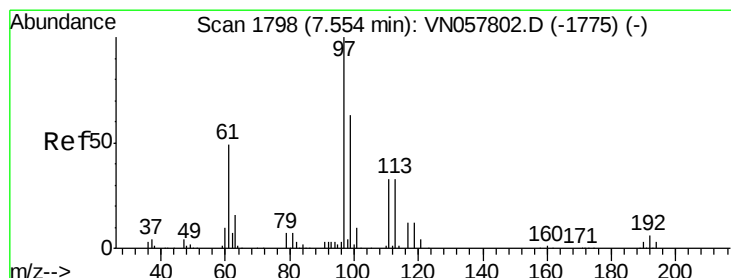
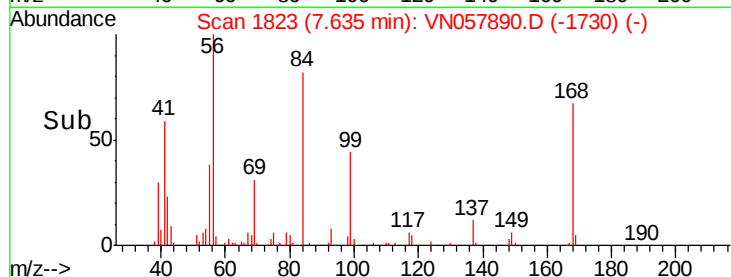
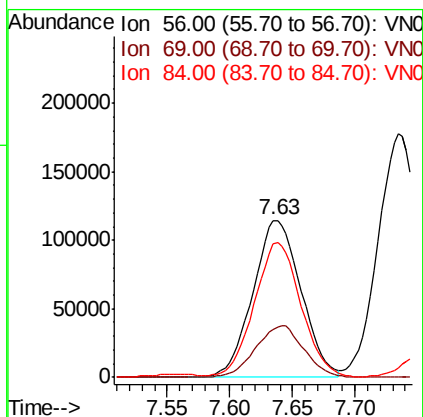
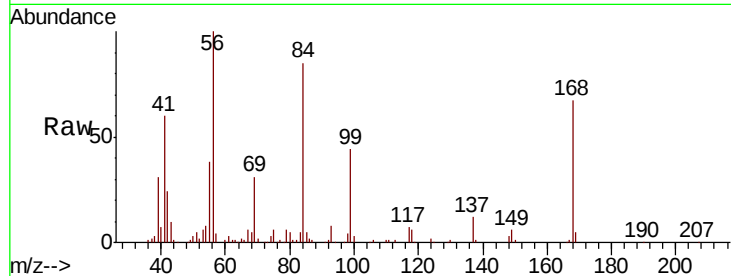




#31
Cyclohexane
Concen: 52.499 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

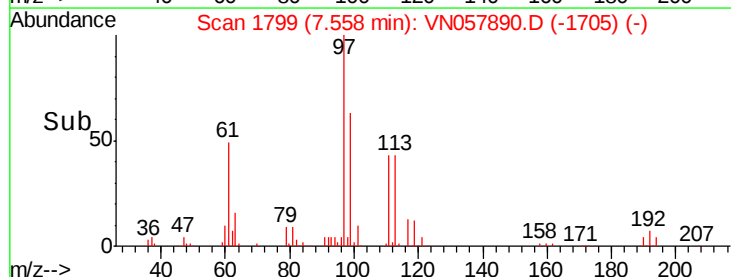
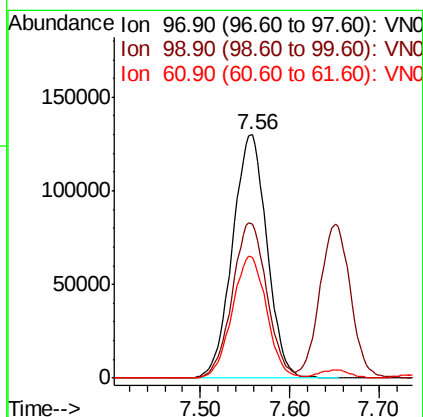
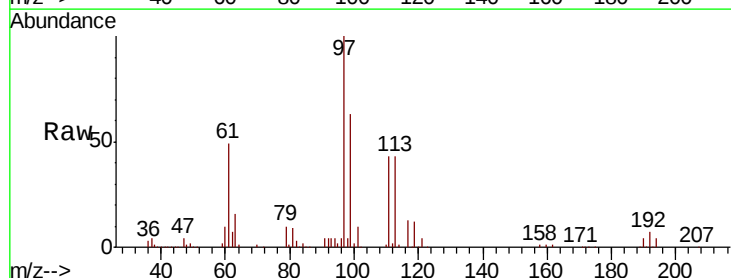
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

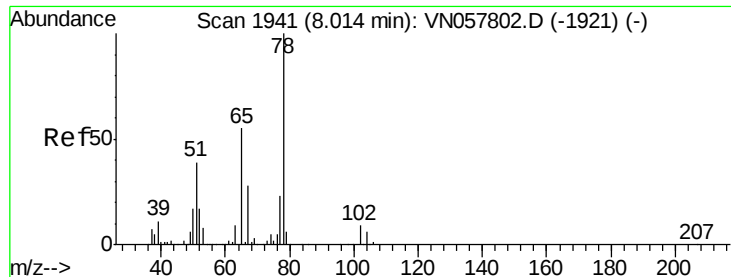
Tgt Ion: 56 Resp: 305346
Ion Ratio Lower Upper
56 100
69 30.8 25.9 38.9
84 83.4 65.6 98.4



#32
1,1,1-Trichloroethane
Concen: 49.041 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion: 97 Resp: 347838
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 50.0 39.0 58.6

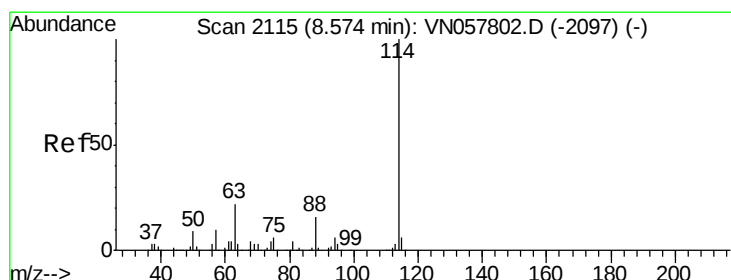
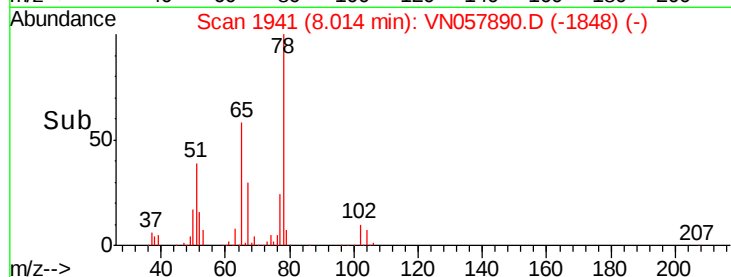
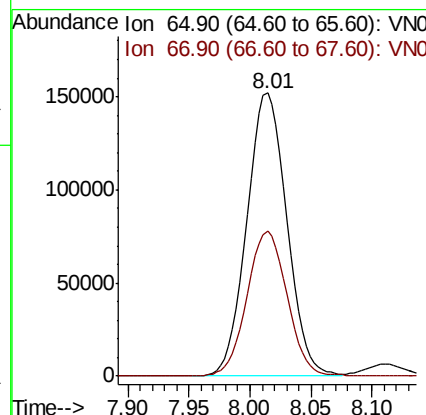
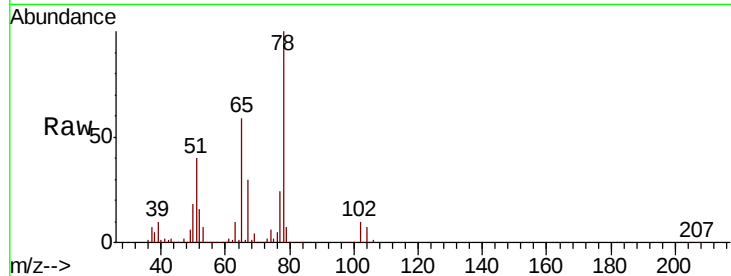




#33
 1,2-Dichloroethane-d4
 Concen: 53.218 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

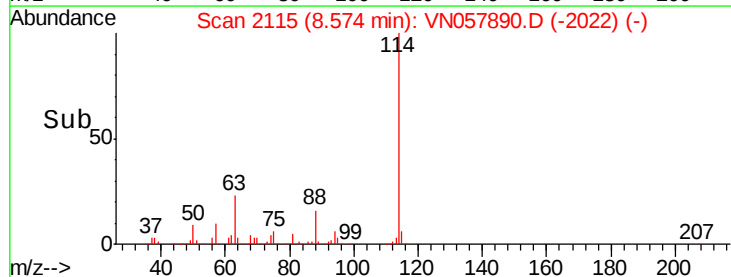
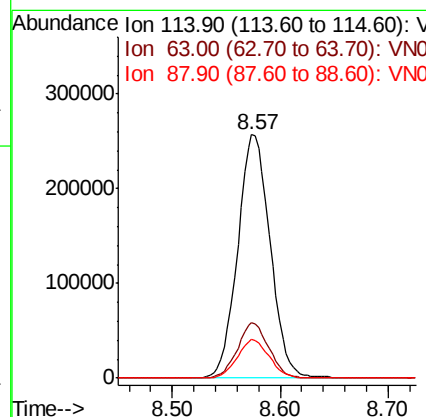
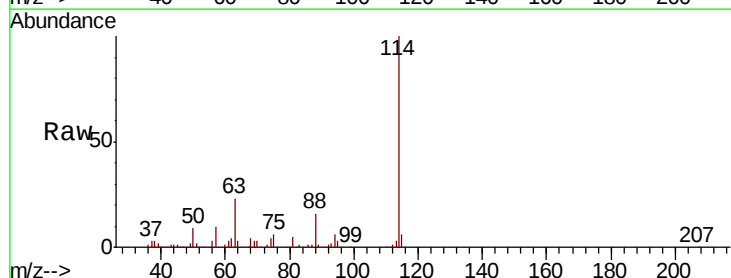
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

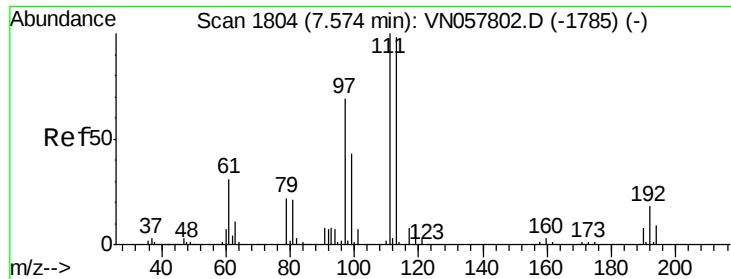
Tgt Ion: 65 Resp: 345192
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion: 114 Resp: 539365
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.0
 88 15.8 0.0 31.4

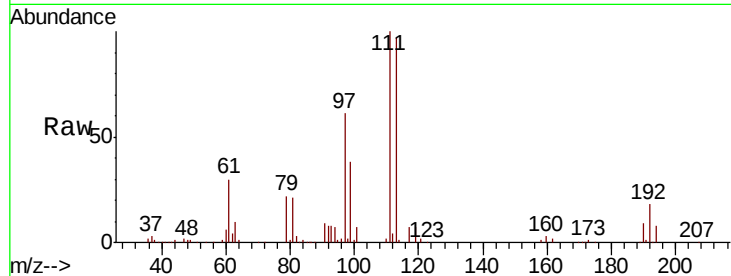




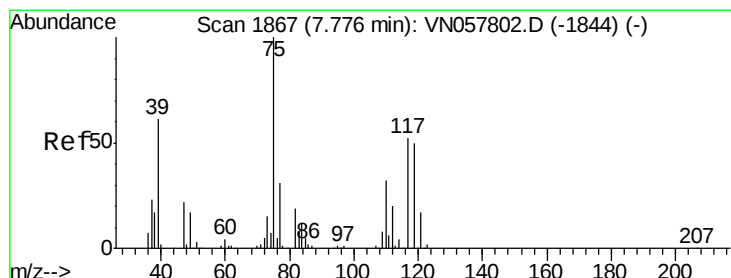
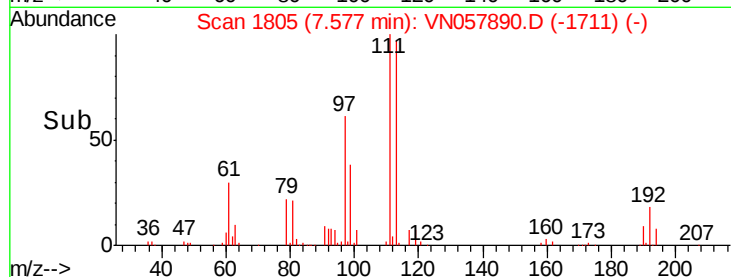
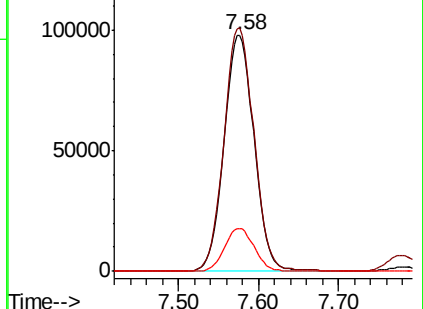
#35
Dibromofluoromethane
Concen: 50.293 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion: 113 Resp: 250364
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 18.0 14.6 22.0

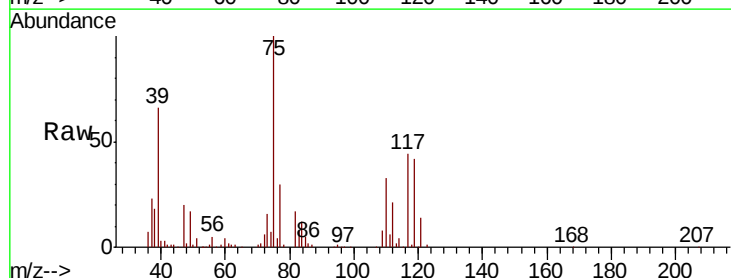


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

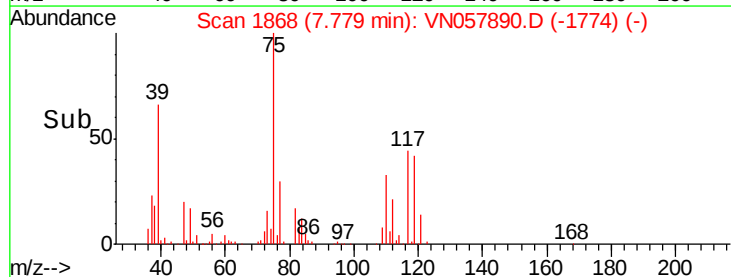
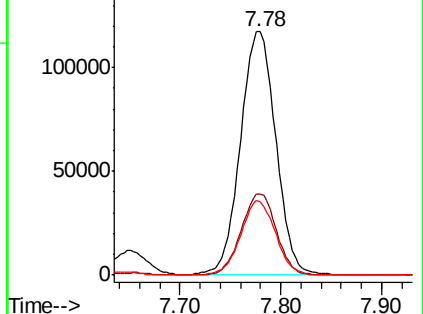


#36
1,1-Dichloropropene
Concen: 45.395 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion: 75 Resp: 283955
Ion Ratio Lower Upper
75 100
110 33.3 16.3 48.9
77 30.3 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

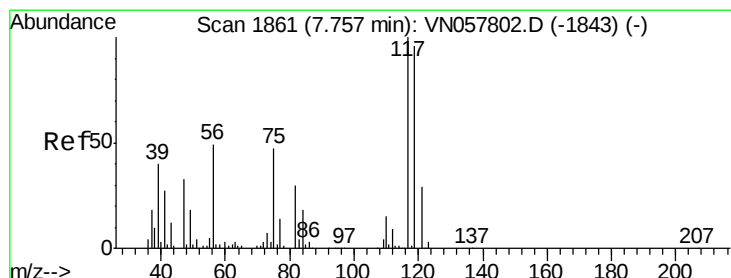
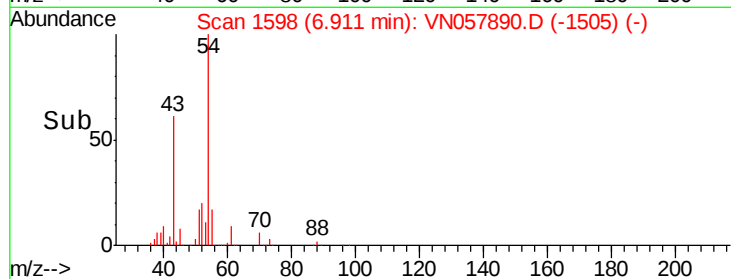
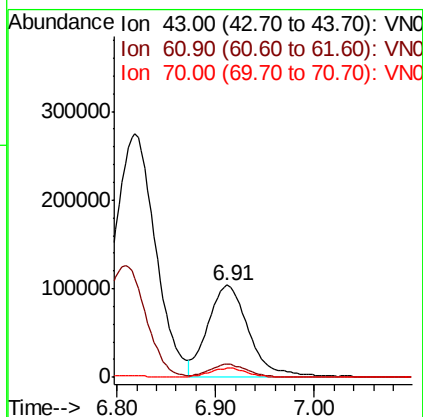
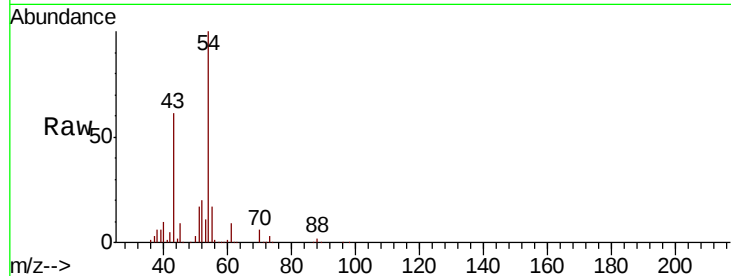




#37
 Ethyl Acetate
 Concen: 45.862 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

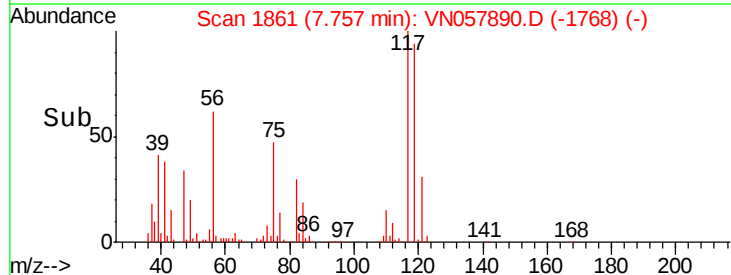
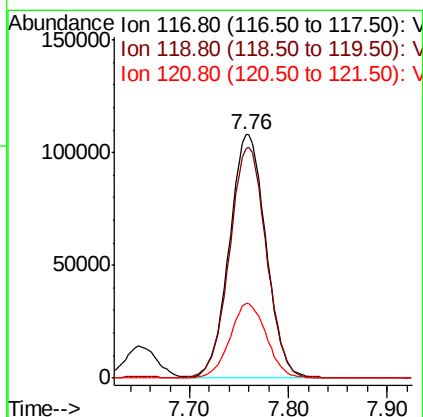
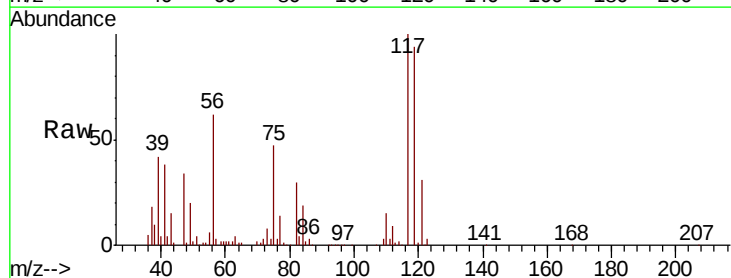
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

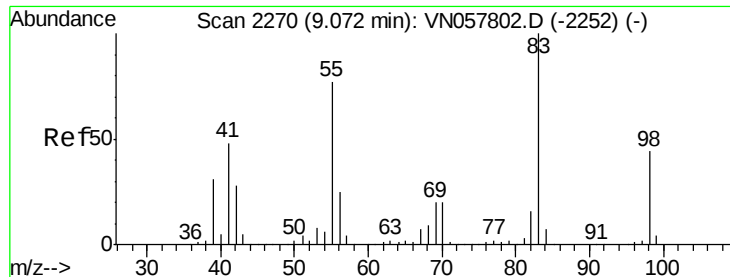
Tgt Ion: 43 Resp: 296398
 Ion Ratio Lower Upper
 43 100
 61 13.9 10.5 15.7
 70 9.4 7.4 11.0



#38
 Carbon Tetrachloride
 Concen: 48.601 ug/l
 RT: 7.76 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion: 117 Resp: 277561
 Ion Ratio Lower Upper
 117 100
 119 94.3 76.9 115.3
 121 30.8 23.4 35.2

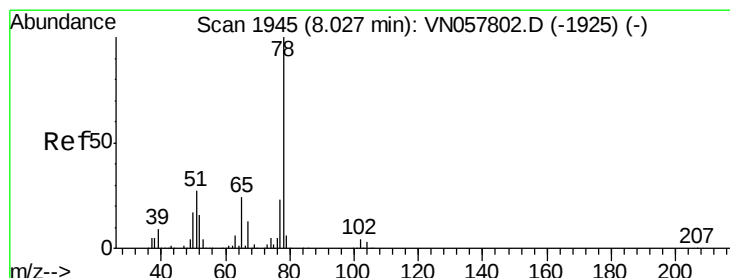
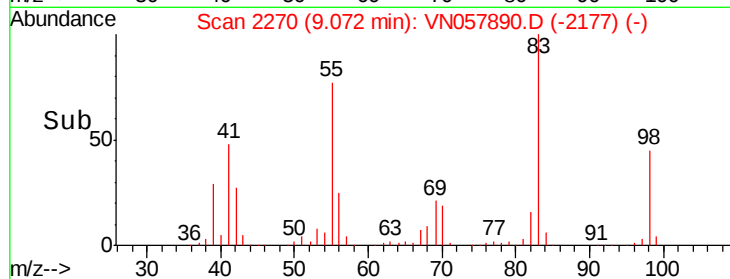
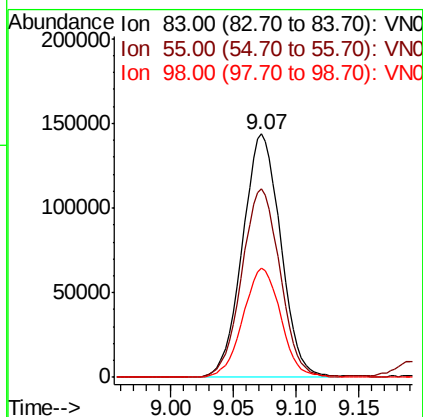
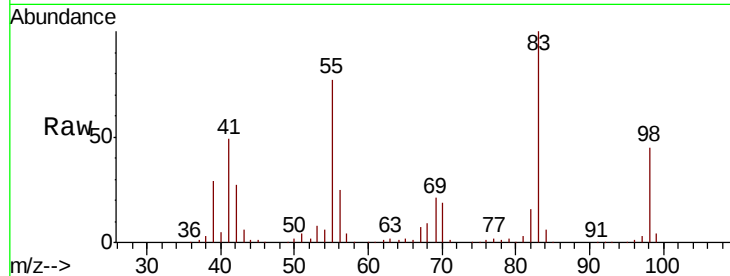




#39
Methylcyclohexane
Concen: 46.365 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

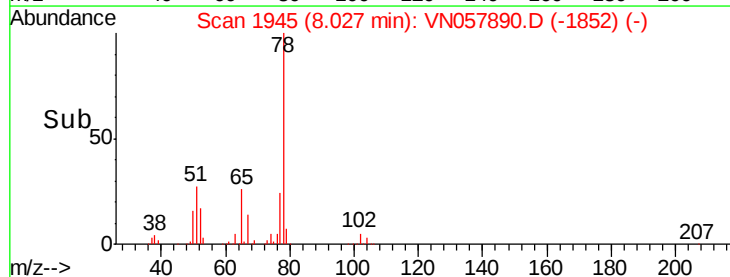
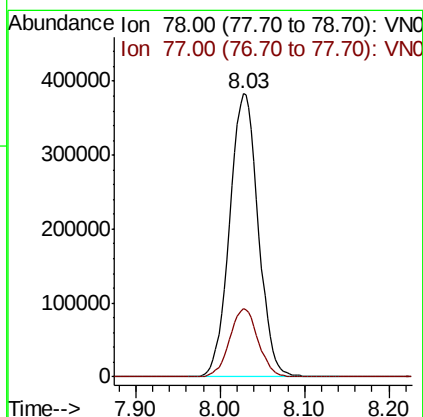
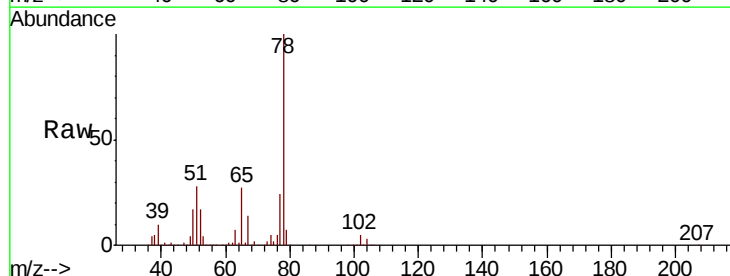
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

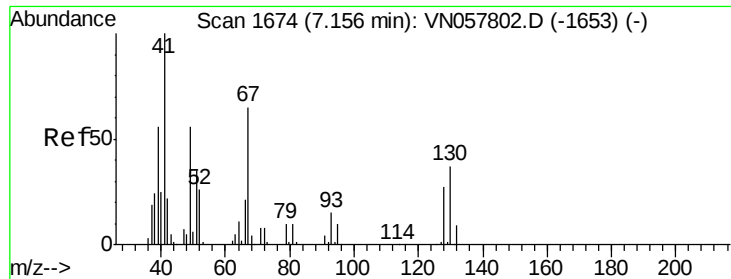
Tgt Ion: 83 Resp: 304881
Ion Ratio Lower Upper
83 100
55 77.2 61.6 92.4
98 44.8 34.9 52.3



#40
Benzene
Concen: 48.046 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion: 78 Resp: 904810
Ion Ratio Lower Upper
78 100
77 23.9 18.3 27.5

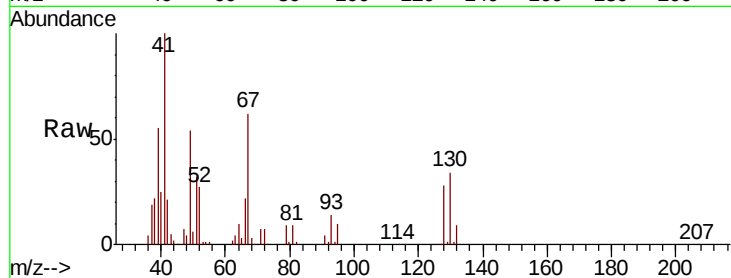




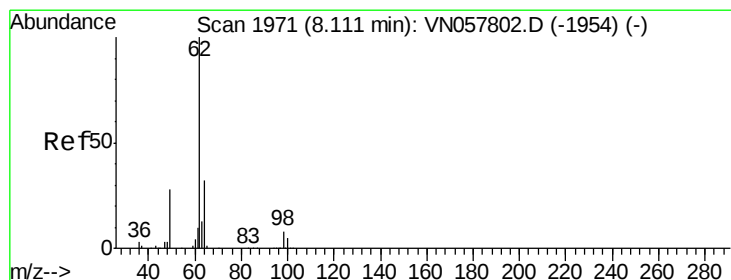
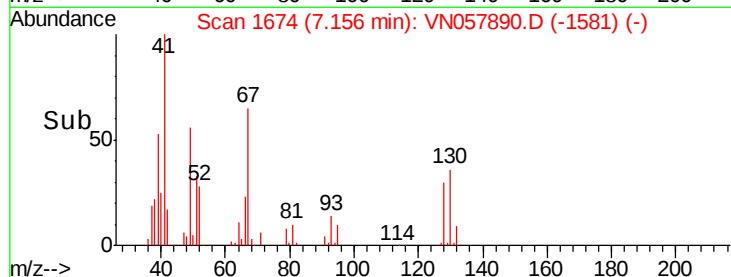
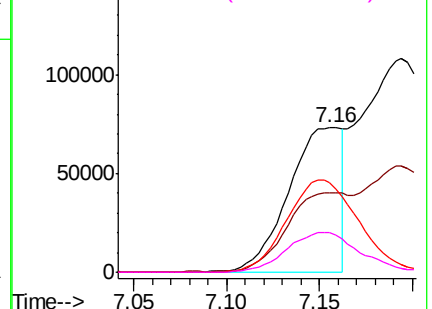
#41
Methacrylonitrile
Concen: 49.606 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion: 41 Resp: 145529
Ion Ratio Lower Upper
41 100
39 66.0 51.0 76.6
67 87.0 70.7 106.1
52 38.6 30.8 46.2

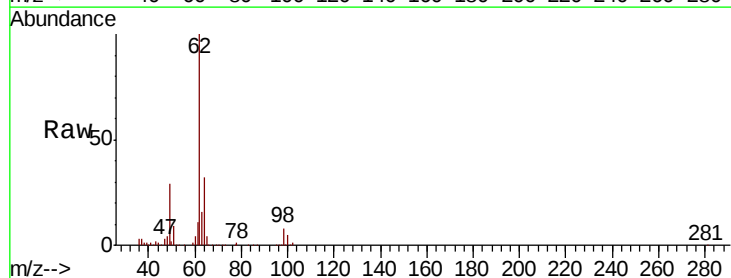


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

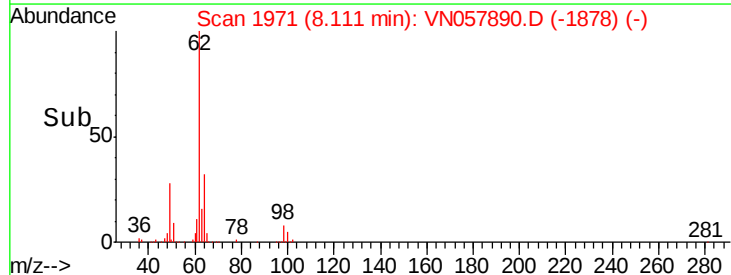
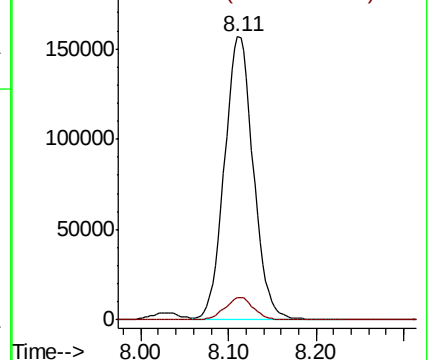


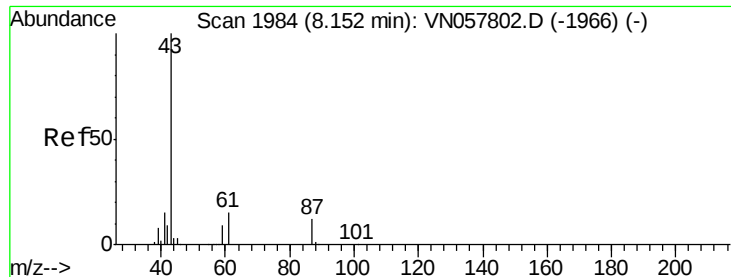
#42
1,2-Dichloroethane
Concen: 47.654 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion: 62 Resp: 358912
Ion Ratio Lower Upper
62 100
98 7.8 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 49.094 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

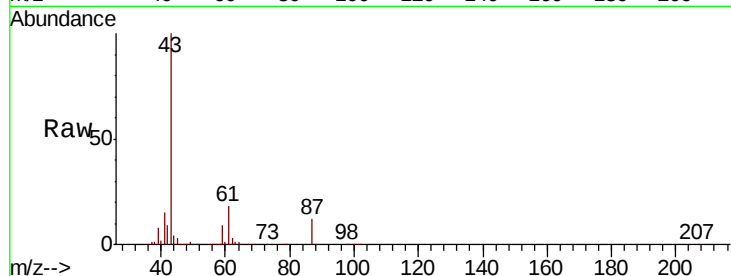
Tgt Ion: 43 Resp: 533570

Ion Ratio Lower Upper

43 100

61 18.1 20.1 30.1#

87 11.8 9.5 14.3



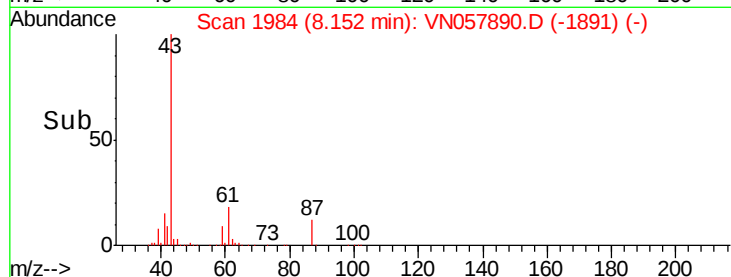
Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)

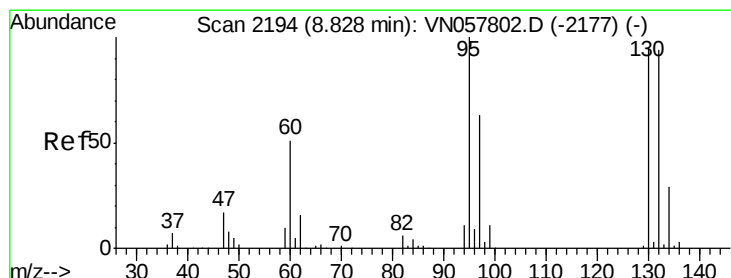
8.15

Time-->



8.15

Time-->



#44

Trichloroethene

Concen: 46.792 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057890.D

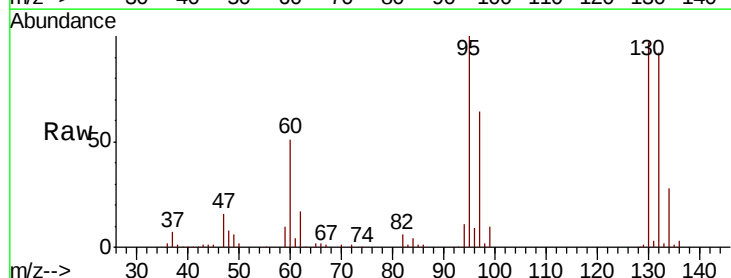
Acq: 11 Sep 2019 1:30

Tgt Ion: 130 Resp: 216134

Ion Ratio Lower Upper

130 100

95 103.5 0.0 211.4

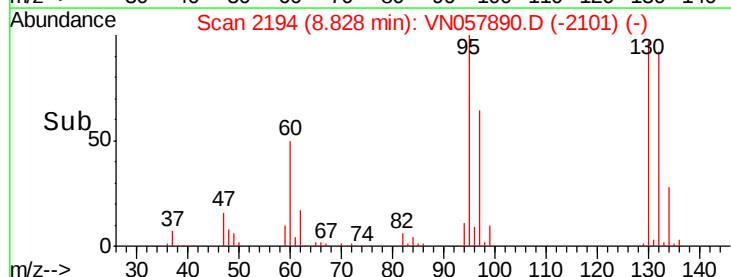


Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)

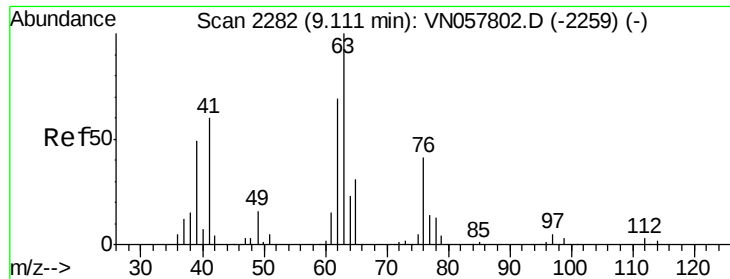
8.83

Time-->



8.83

Time-->



#45

1,2-Dichloropropane

Concen: 49.397 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

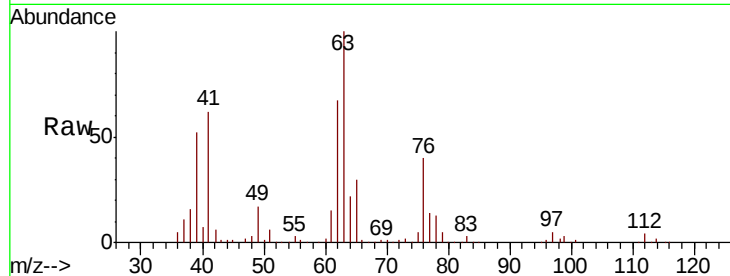
T11-MW-9-9.0-091019MS

Tgt Ion: 63 Resp: 270691

Ion Ratio Lower Upper

63 100

65 29.8 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN057890.D (-2189) (-)

Ion 64.90 (64.60 to 65.60): VN057890.D (-2189) (-)

150000

100000

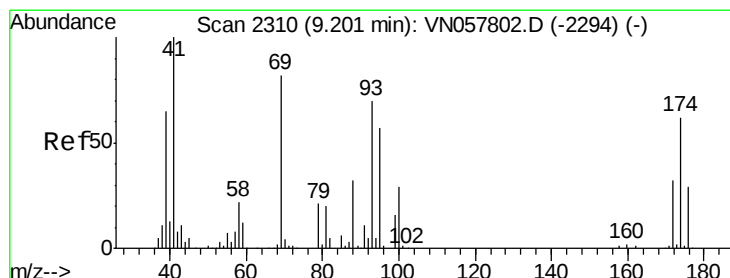
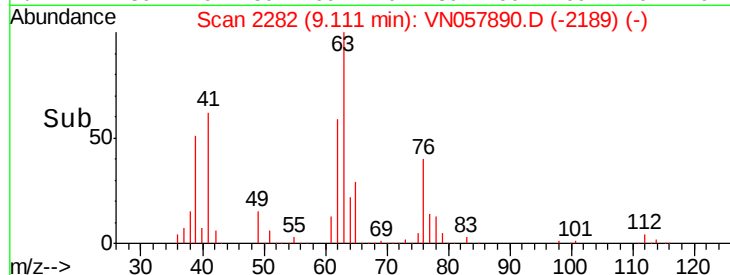
50000

0

9.11

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 48.628 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

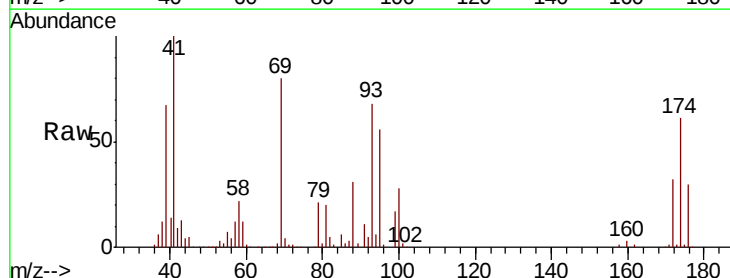
Tgt Ion: 93 Resp: 161028

Ion Ratio Lower Upper

93 100

95 83.4 65.9 98.9

174 90.6 71.8 107.6



Abundance Ion 92.80 (92.50 to 93.50): VN057890.D (-2217) (-)

Ion 94.80 (94.50 to 95.50): VN057890.D (-2217) (-)

Ion 173.70 (173.40 to 174.40): VN057890.D (-2217) (-)

100000

80000

60000

40000

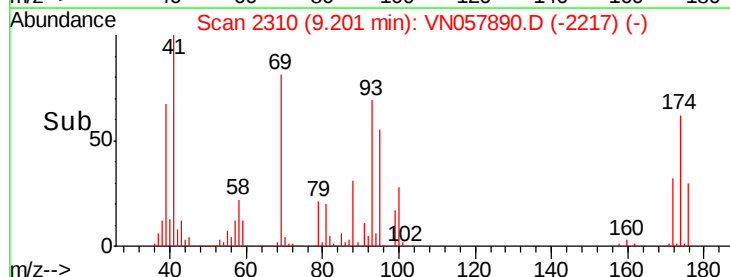
20000

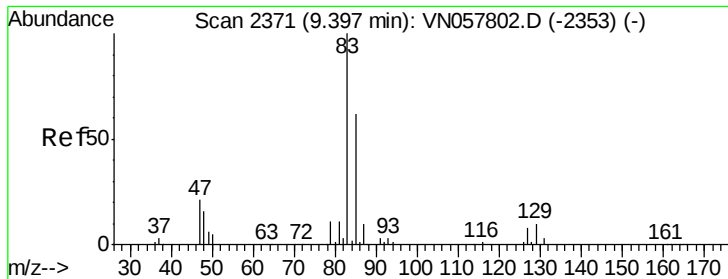
0

9.20

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 49.733 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

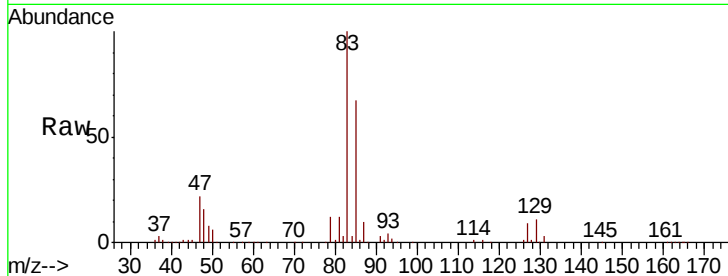
Tgt Ion: 83 Resp: 328863

Ion Ratio Lower Upper

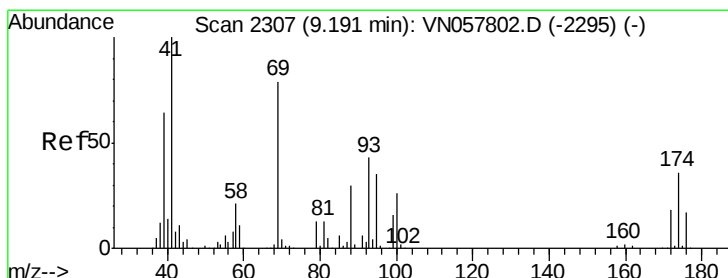
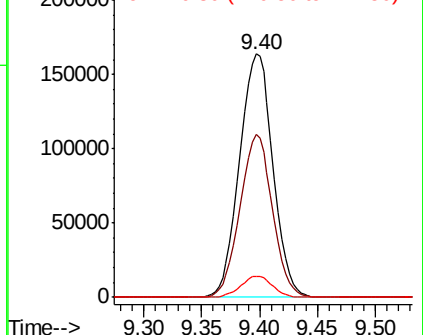
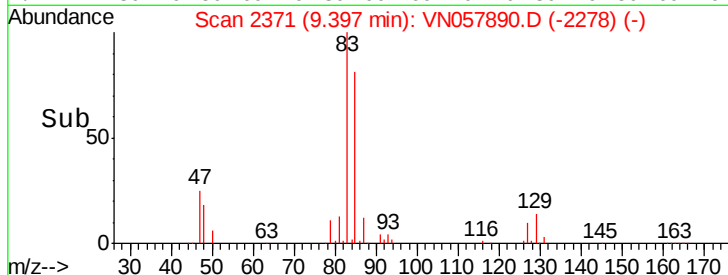
83 100

85 67.0 49.9 74.9

127 8.7 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN057890.D (-2278) (-)



#48

Methyl methacrylate

Concen: 49.211 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

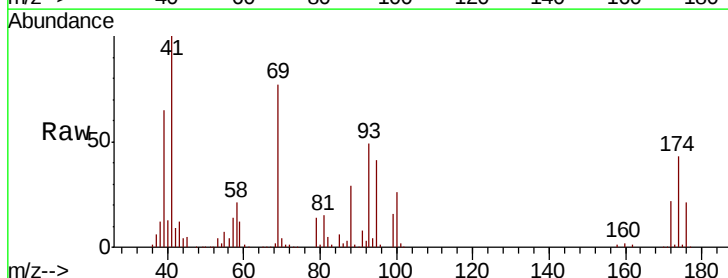
Tgt Ion: 41 Resp: 271306

Ion Ratio Lower Upper

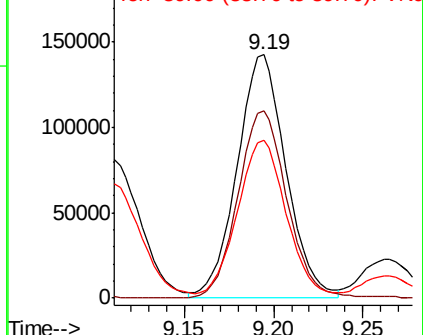
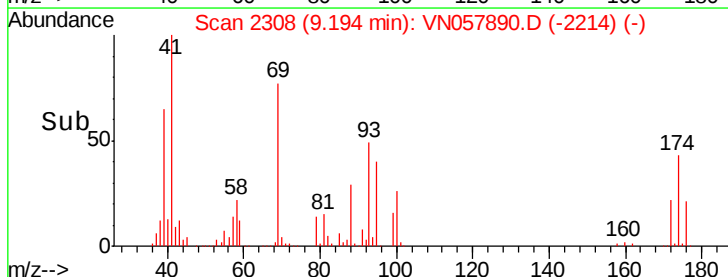
41 100

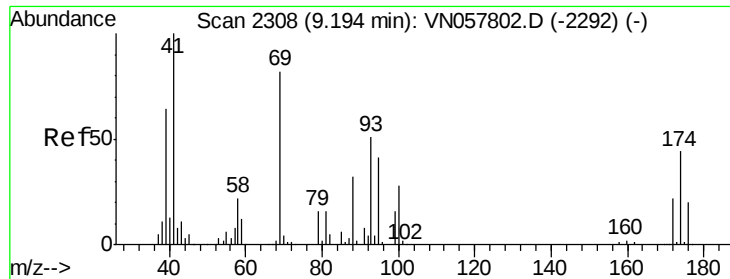
69 77.4 62.7 94.1

39 65.5 52.7 79.1



Abundance Ion 41.00 (40.70 to 41.70): VN057890.D (-2214) (-)

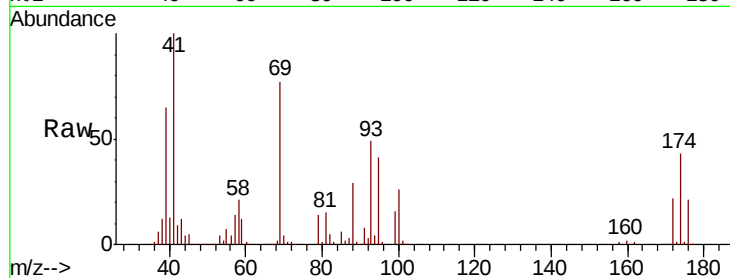




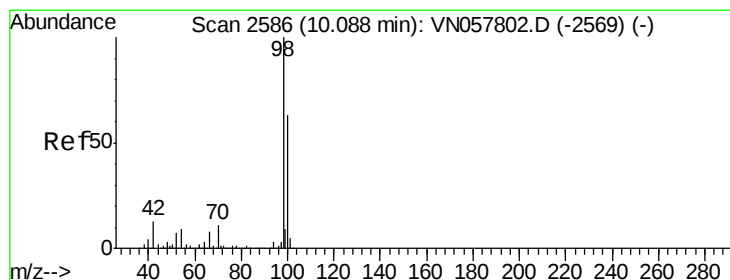
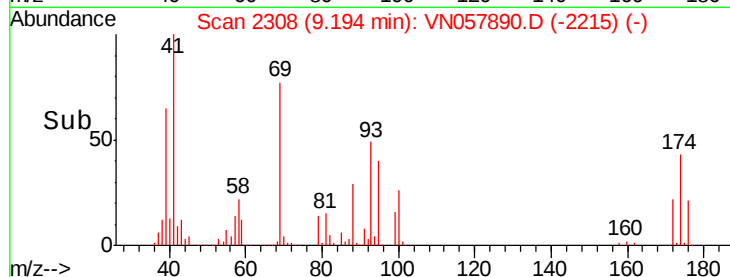
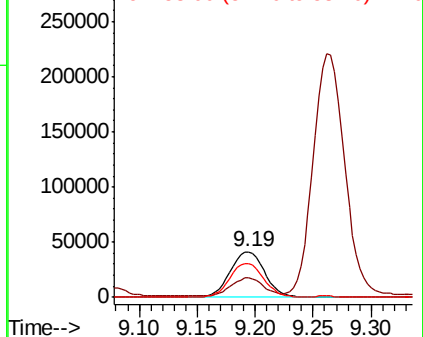
#49
 1,4-Dioxane
 Concen: 925.179 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Tgt Ion: 88 Resp: 86256
 Ion Ratio Lower Upper
 88 100
 43 36.7 28.5 42.7
 58 72.9 55.8 83.6

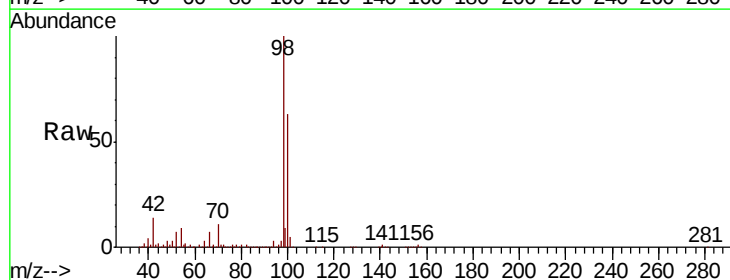


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

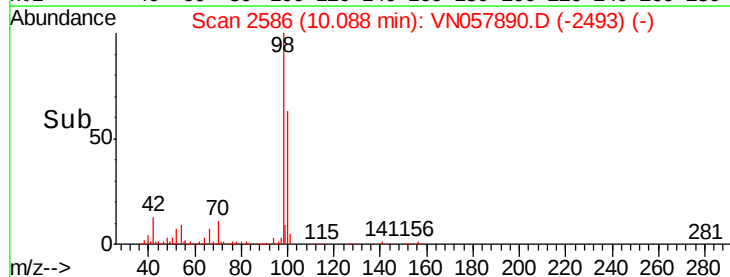
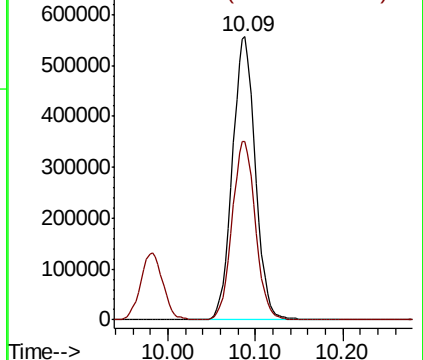


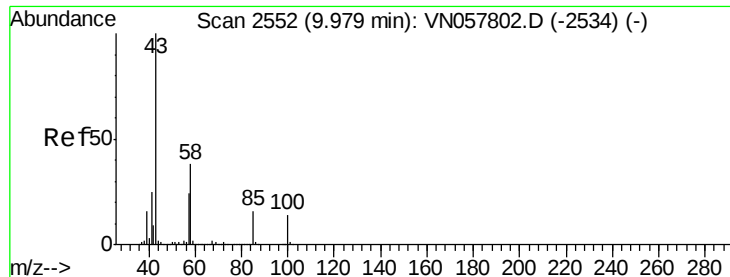
#50
 Toluene-d8
 Concen: 52.335 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion: 98 Resp: 1011524
 Ion Ratio Lower Upper
 98 100
 100 63.9 50.3 75.5



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

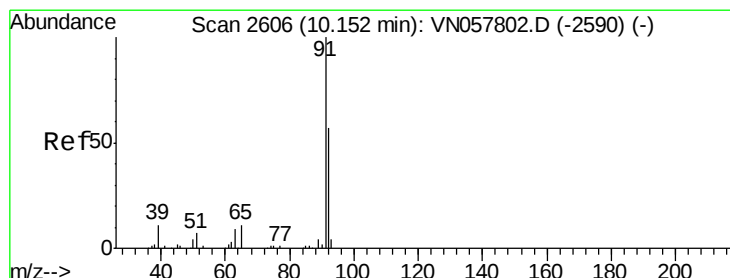
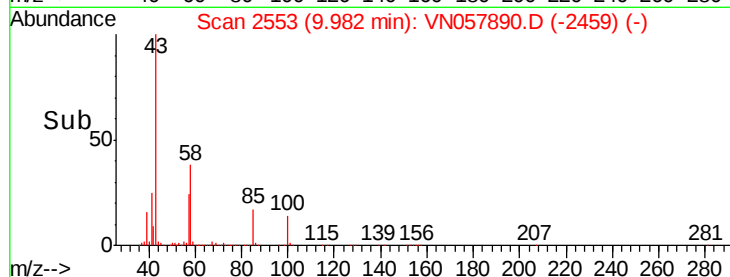
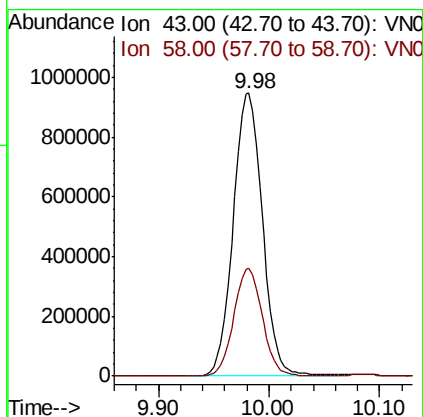
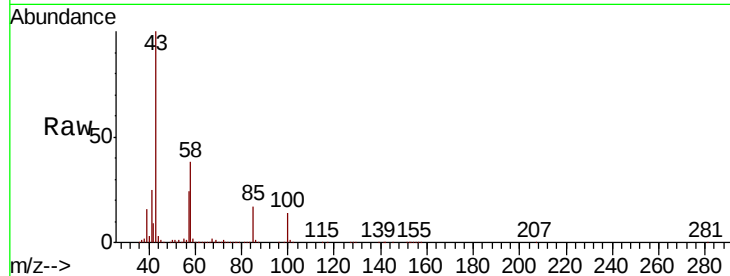




#51
 4-Methyl-2-Pentanone
 Concen: 269.845 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

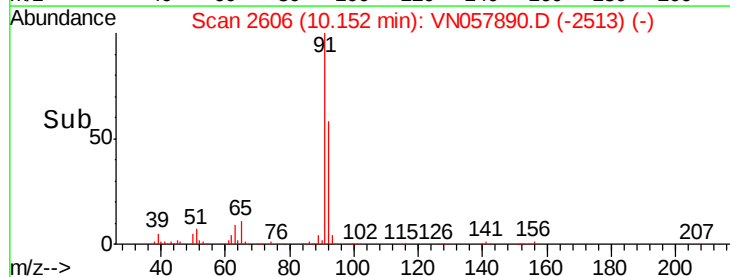
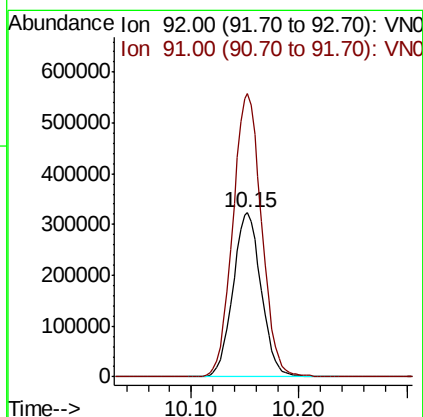
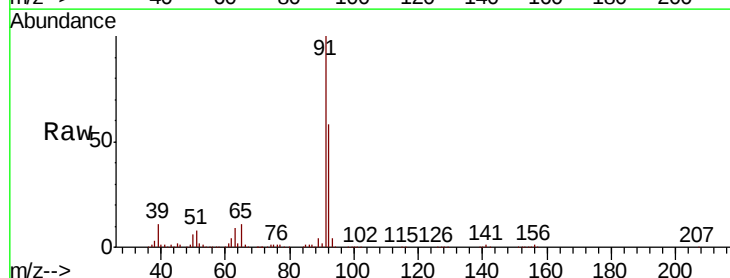
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

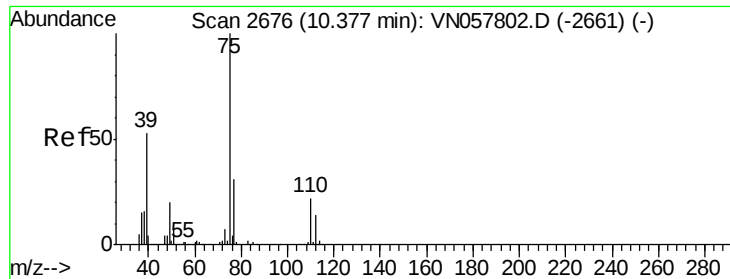
Tgt Ion: 43 Resp: 173516
 Ion Ratio Lower Upper
 43 100
 58 37.6 29.8 44.6



#52
 Toluene
 Concen: 49.799 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion: 92 Resp: 590676
 Ion Ratio Lower Upper
 92 100
 91 175.5 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 48.957 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

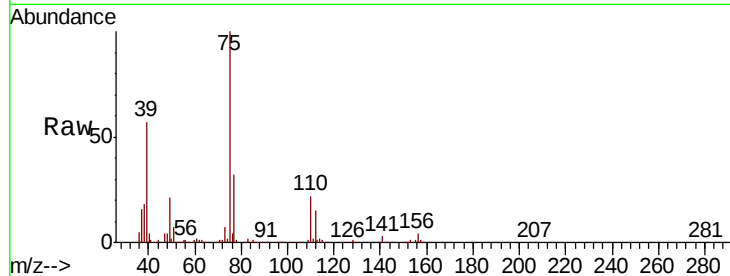
T11-MW-9-9.0-091019MS

Tgt Ion: 75 Resp: 340905

Ion Ratio Lower Upper

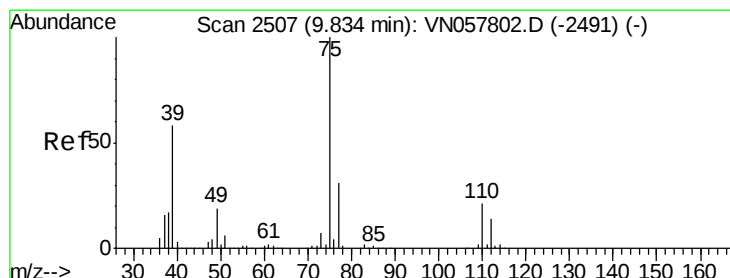
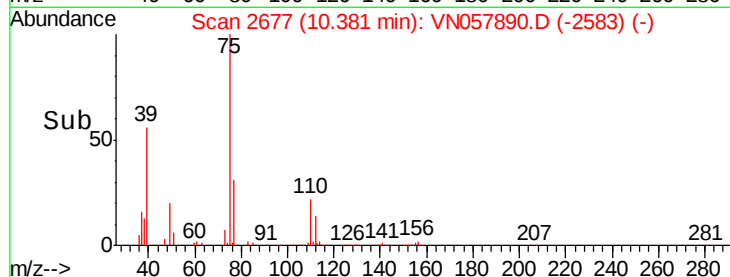
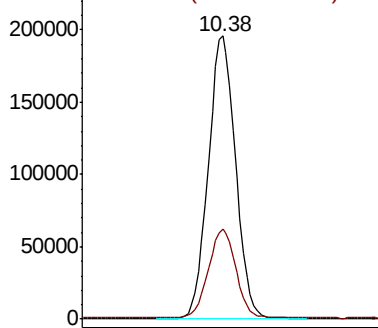
75 100

77 31.1 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 48.182 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

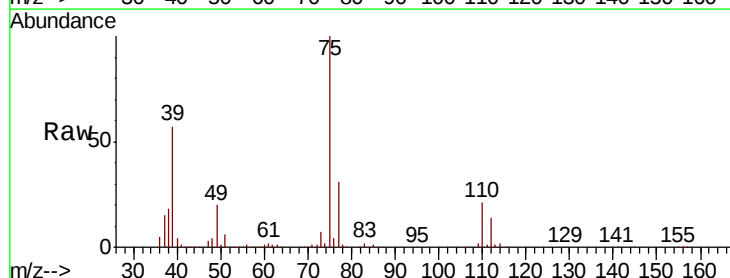
Tgt Ion: 75 Resp: 370427

Ion Ratio Lower Upper

75 100

77 30.9 24.8 37.2

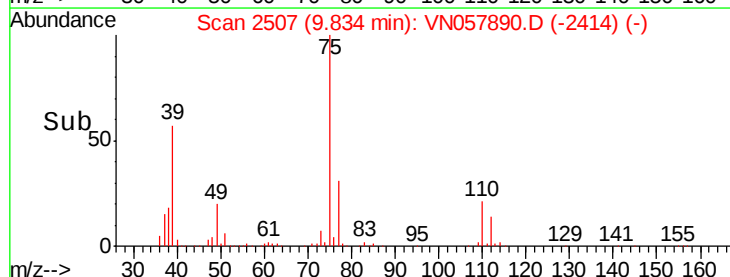
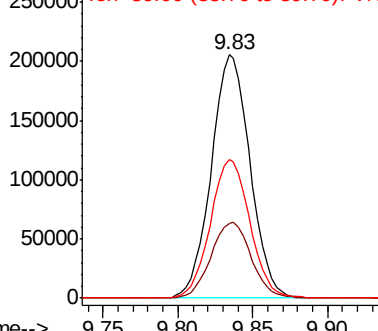
39 56.8 46.2 69.4

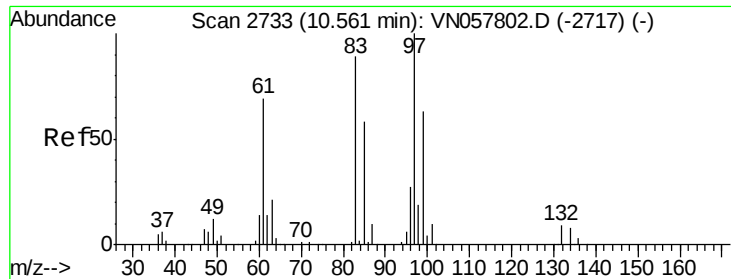


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 50.219 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion: 97 Resp: 252314

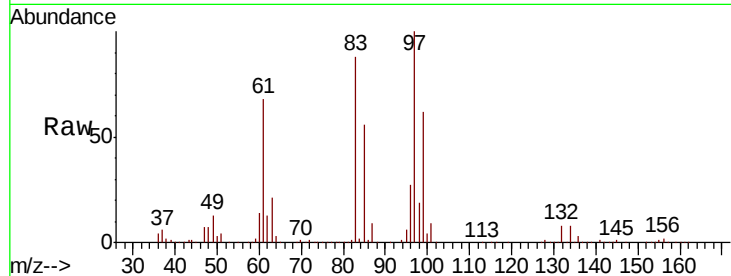
Ion Ratio Lower Upper

97 100

83 88.3 70.8 106.2

85 55.9 46.0 69.0

99 61.6 50.6 76.0

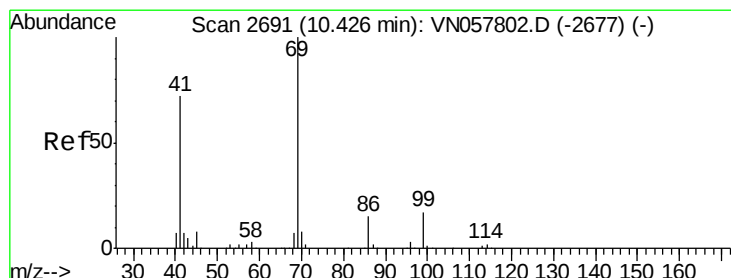
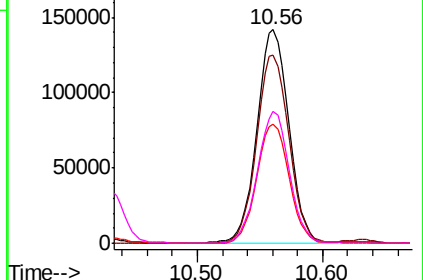
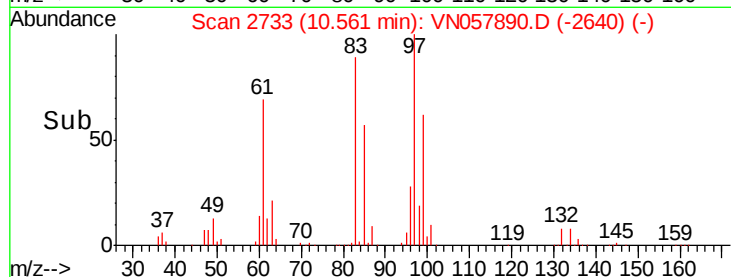


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.565 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

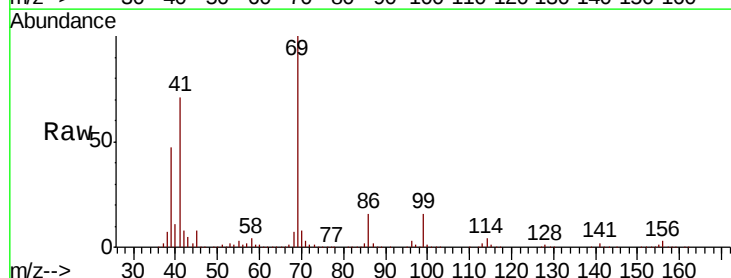
Tgt Ion: 69 Resp: 390143

Ion Ratio Lower Upper

69 100

41 70.8 56.7 85.1

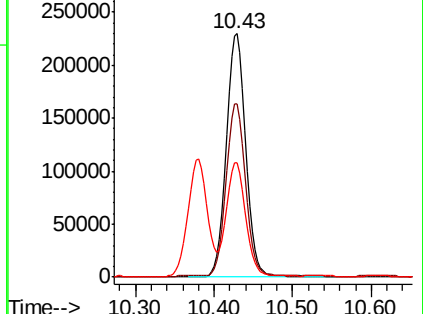
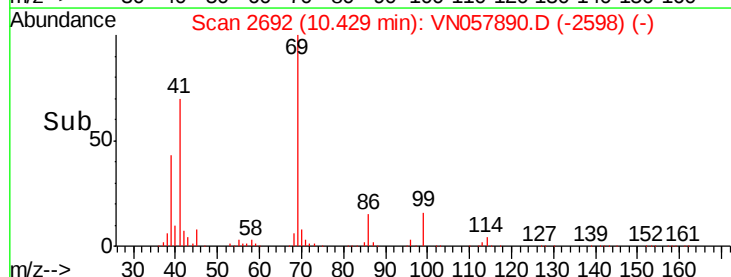
39 46.9 36.3 54.5



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 48.793 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

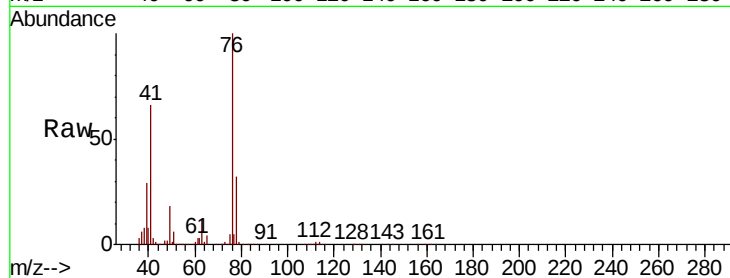
T11-MW-9-9.0-091019MS

Tgt Ion: 76 Resp: 422485

Ion Ratio Lower Upper

76 100

78 32.4 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

150000

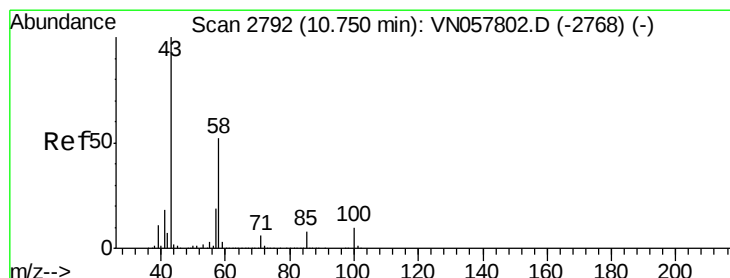
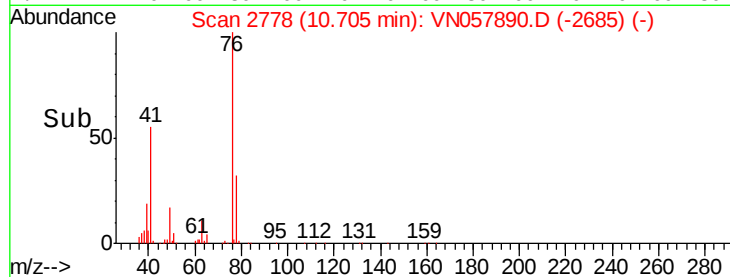
100000

50000

0

Time-->

10.60 10.70 10.80



#59

2-Hexanone

Concen: 267.353 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN057890.D

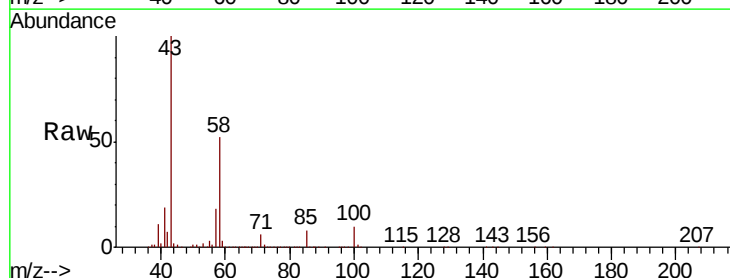
Acq: 11 Sep 2019 1:30

Tgt Ion: 43 Resp: 1288822

Ion Ratio Lower Upper

43 100

58 51.8 25.6 76.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

800000

600000

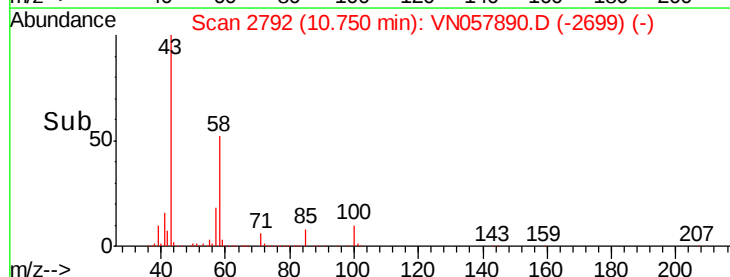
400000

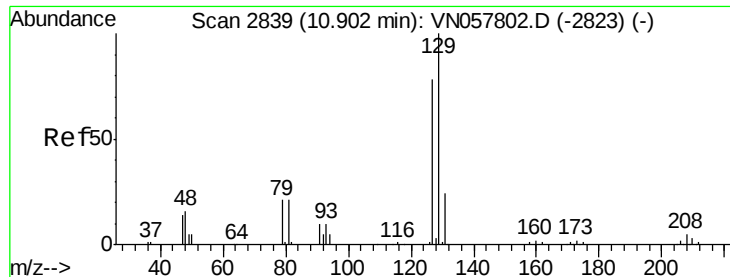
200000

0

Time-->

10.70 10.80





#60

Dibromochloromethane

Concen: 51.064 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

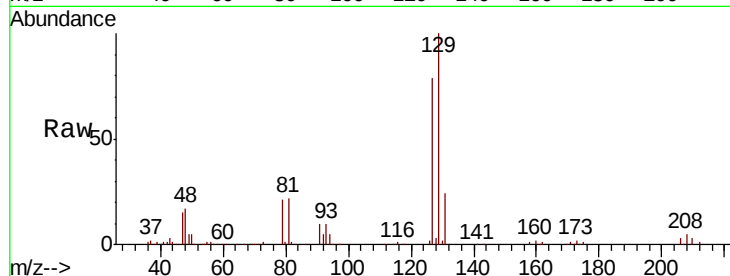
T11-MW-9-9.0-091019MS

Tgt Ion:129 Resp: 238241

Ion Ratio Lower Upper

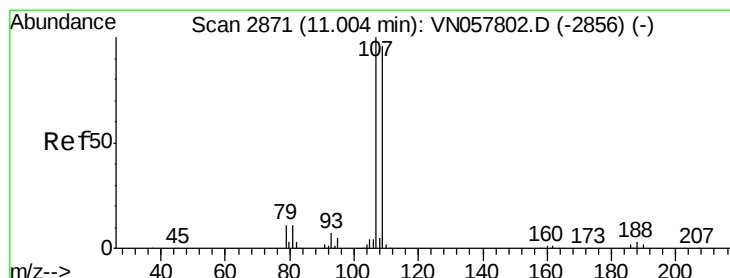
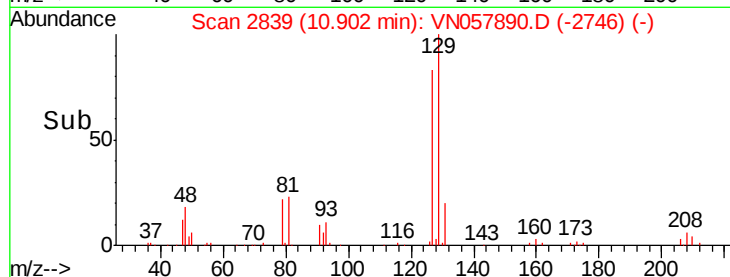
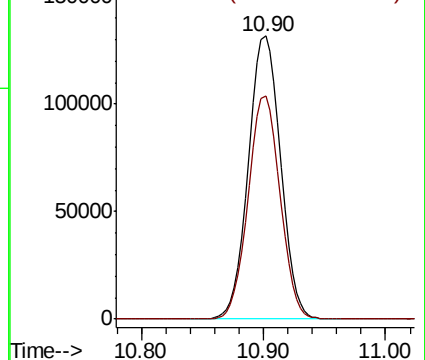
129 100

127 78.5 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 49.724 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057890.D

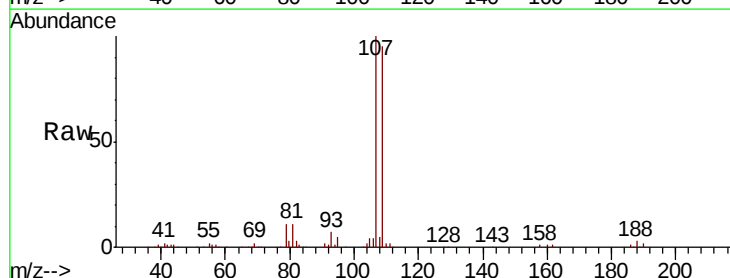
Acq: 11 Sep 2019 1:30

Tgt Ion:107 Resp: 236189

Ion Ratio Lower Upper

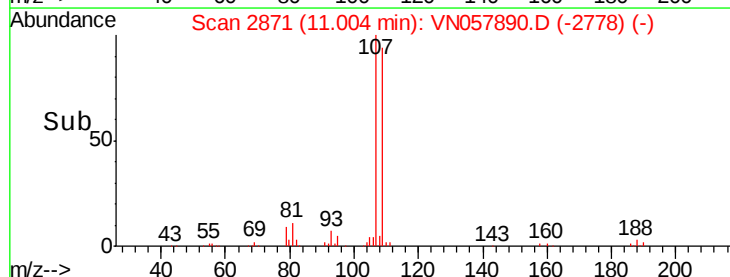
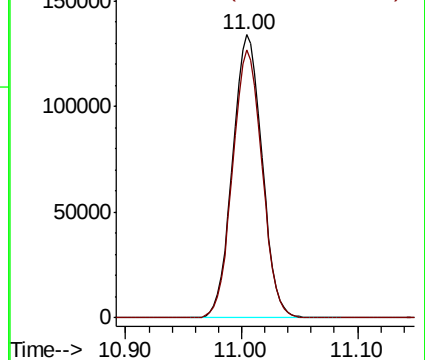
107 100

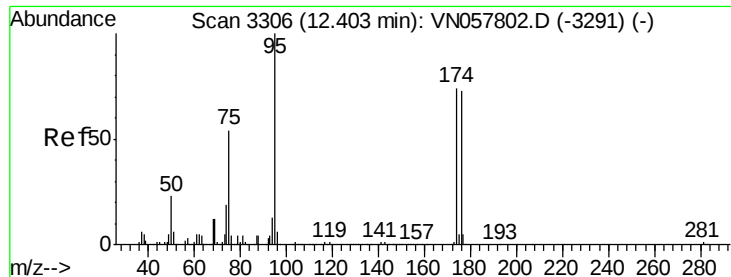
109 94.6 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 50.640 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

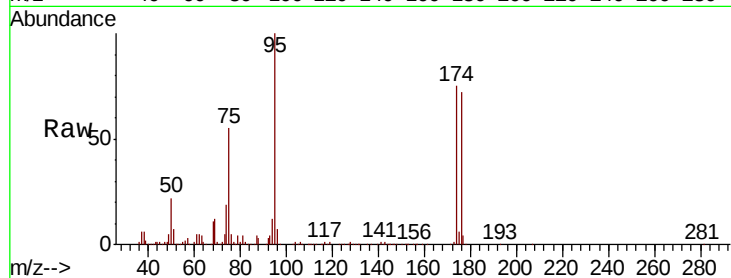
Tgt Ion: 95 Resp: 372993

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.2

176 73.4 0.0 146.0



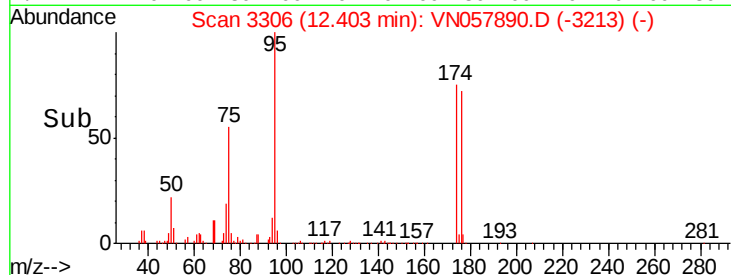
Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)

12.40

Time-->



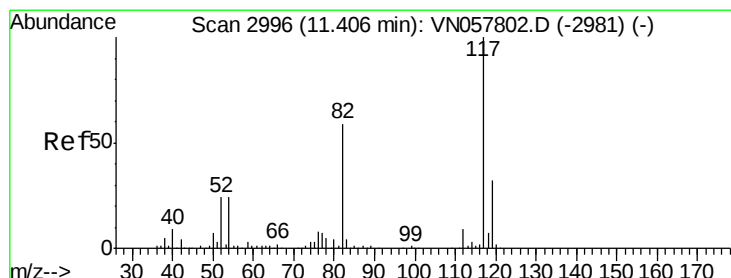
Abundance Ion 94.90 (94.60 to 95.60): VN057890.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN057890.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN057890.D (-3213) (-)

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

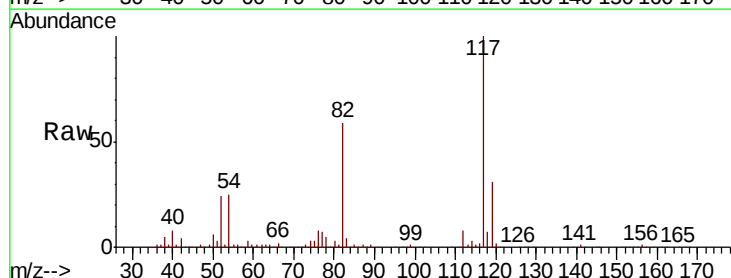
Tgt Ion: 117 Resp: 522280

Ion Ratio Lower Upper

117 100

82 58.5 47.2 70.8

119 31.3 25.3 37.9



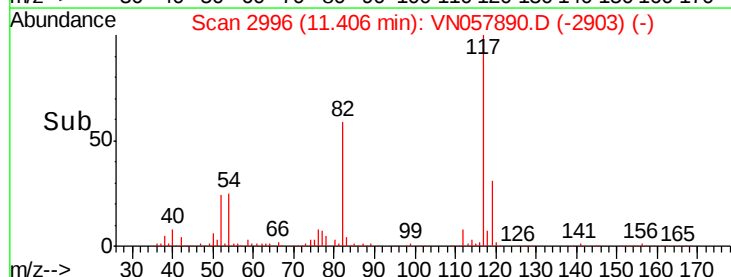
Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)

11.41

Time-->



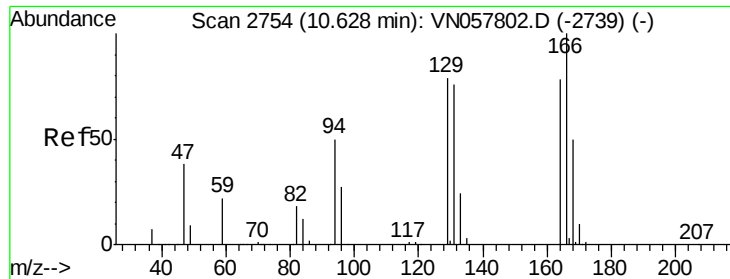
Abundance Ion 116.90 (116.60 to 117.60): VN057890.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN057890.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN057890.D (-2903) (-)

11.41

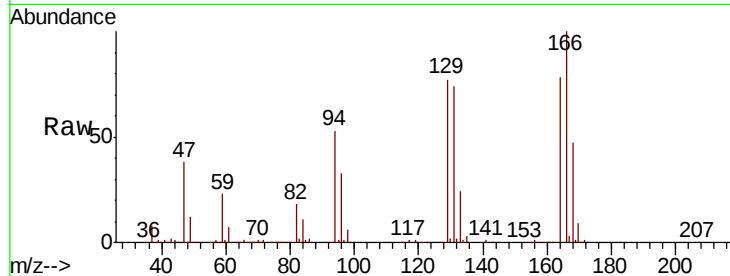
Time-->



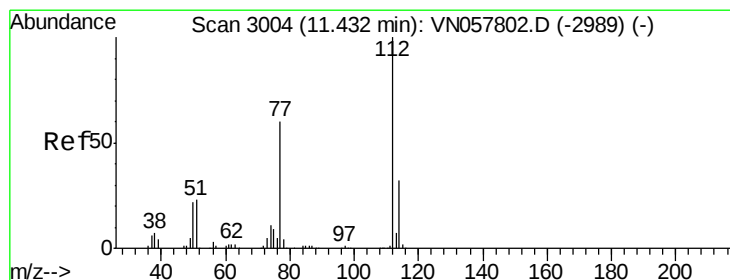
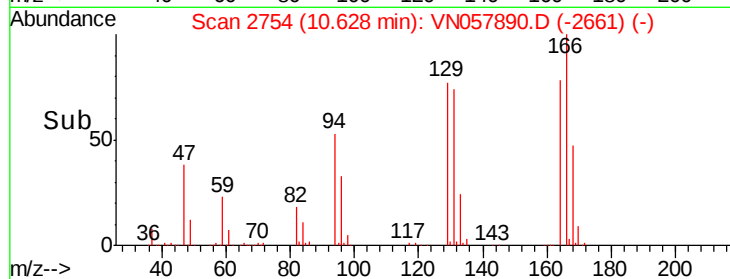
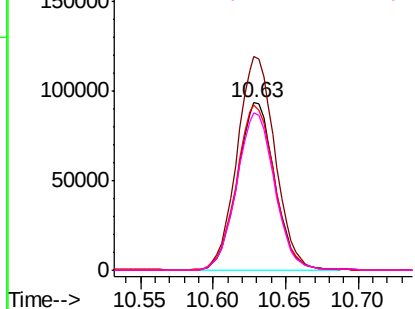
#64
Tetrachloroethene
Concen: 43.562 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

Tgt Ion:164 Resp: 167988
Ion Ratio Lower Upper
164 100
166 127.7 102.2 153.2
129 98.4 80.8 121.2
131 94.2 77.4 116.2

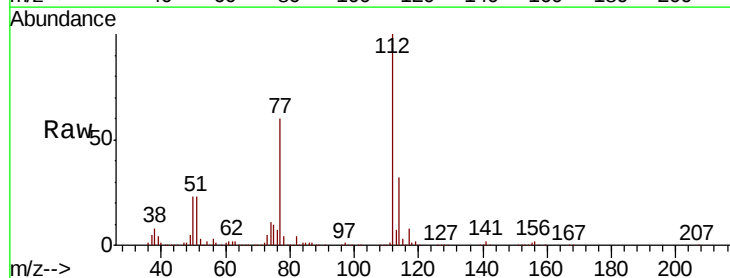


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

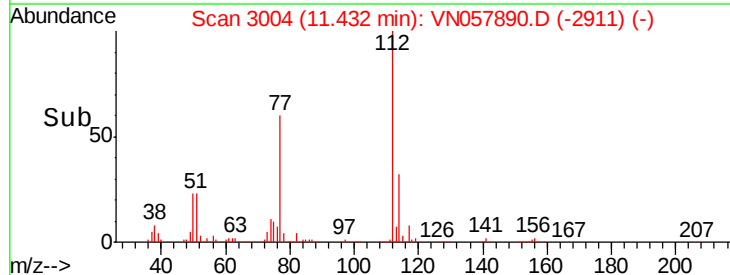
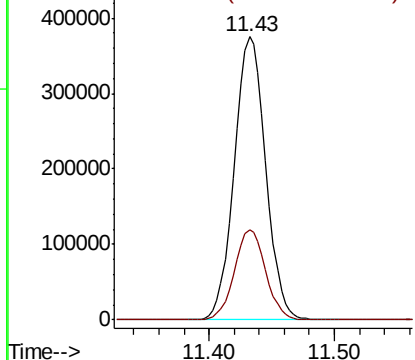


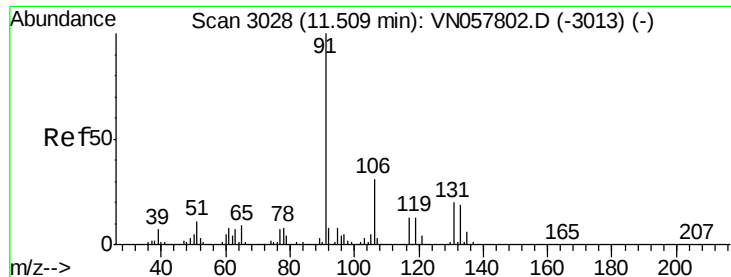
#65
Chlorobenzene
Concen: 47.627 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion:112 Resp: 650990
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

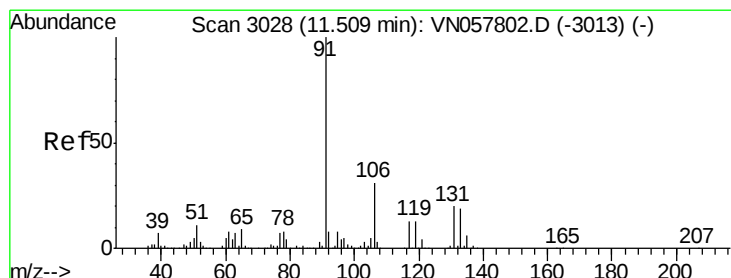
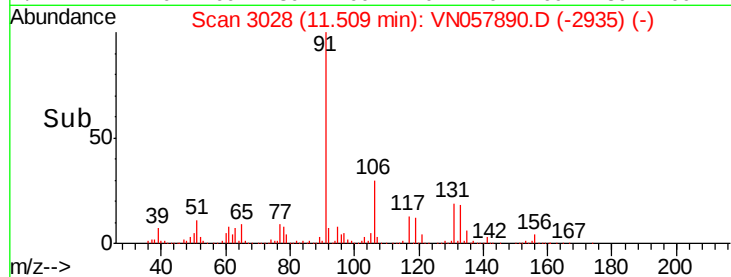
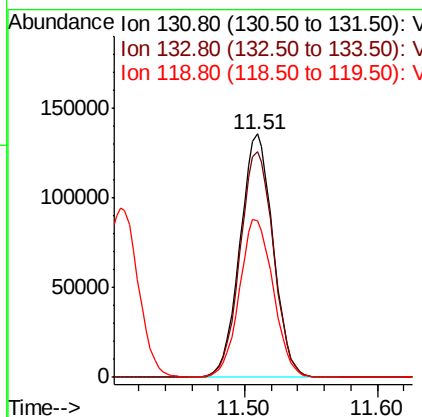
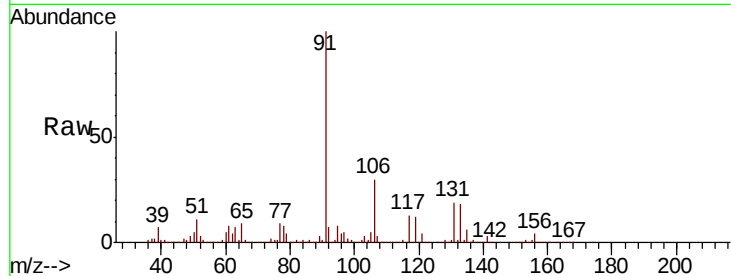




#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.374 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

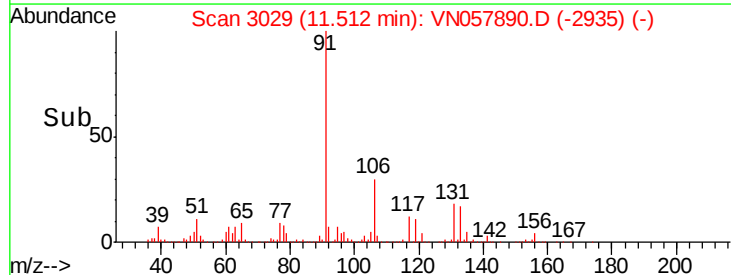
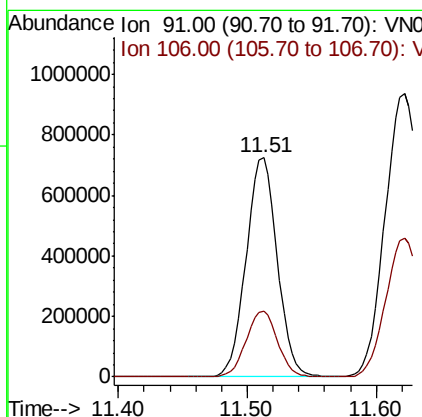
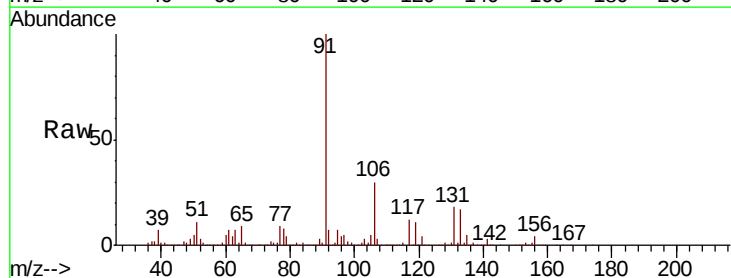
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

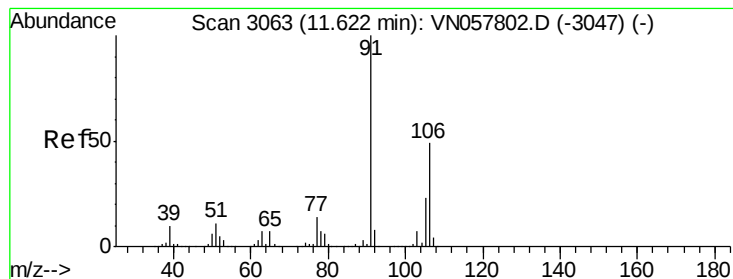
Tgt Ion: 131 Resp: 234176
 Ion Ratio Lower Upper
 131 100
 133 94.4 47.1 141.3
 119 66.8 33.3 99.8



#67
 Ethyl Benzene
 Concen: 50.787 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion: 91 Resp: 1216574
 Ion Ratio Lower Upper
 91 100
 106 29.9 24.4 36.6





#68

m/p-Xylenes

Concen: 101.029 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

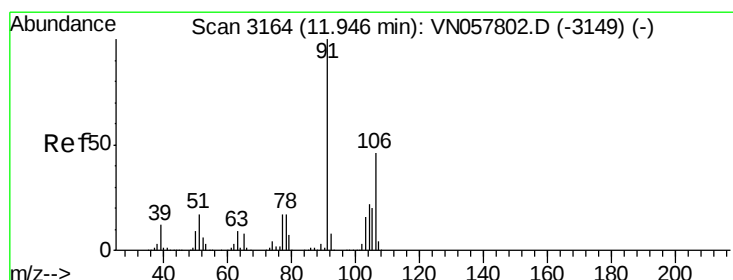
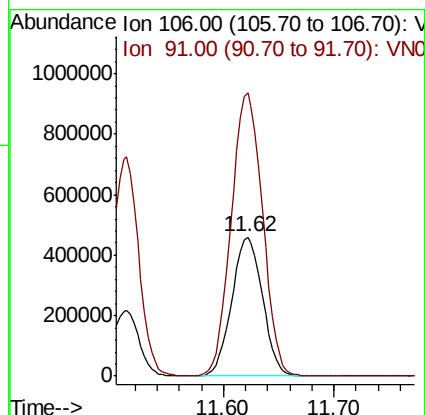
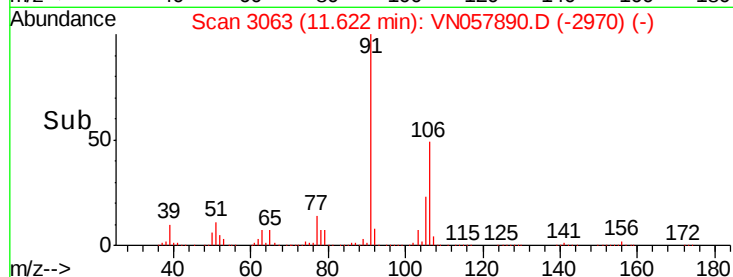
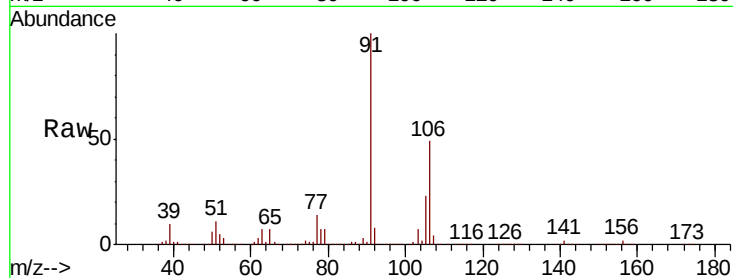
T11-MW-9-9.0-091019MS

Tgt Ion:106 Resp: 886479

Ion Ratio Lower Upper

106 100

91 208.2 165.8 248.6



#69

o-Xylene

Concen: 51.443 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN057890.D

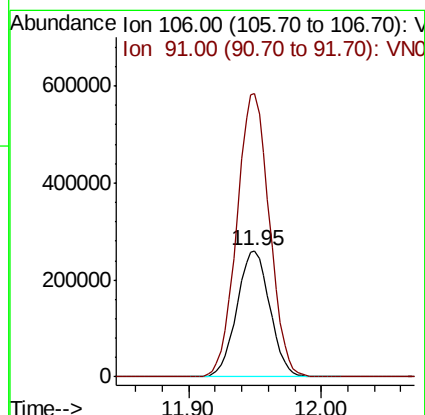
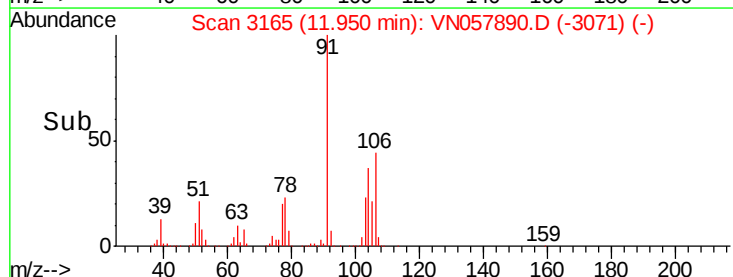
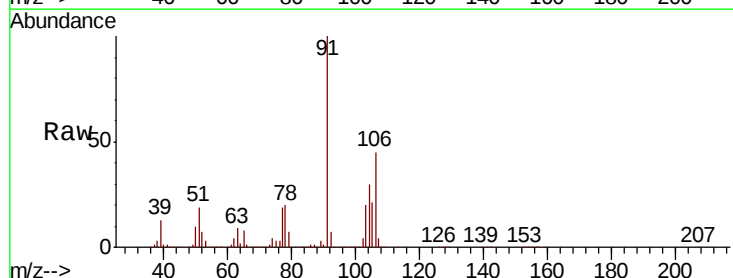
Acq: 11 Sep 2019 1:30

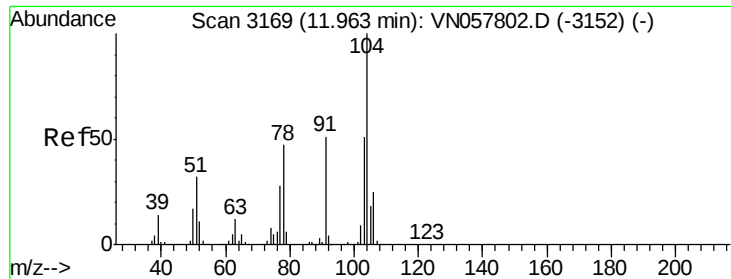
Tgt Ion:106 Resp: 448746

Ion Ratio Lower Upper

106 100

91 221.8 108.7 326.1

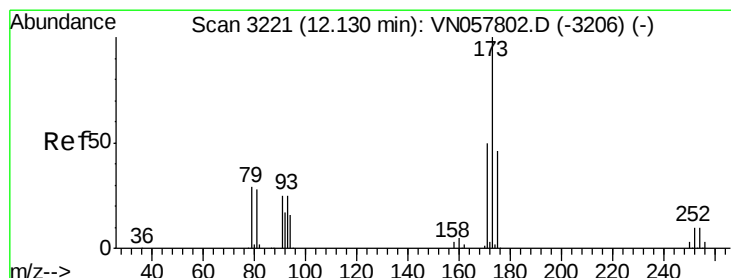
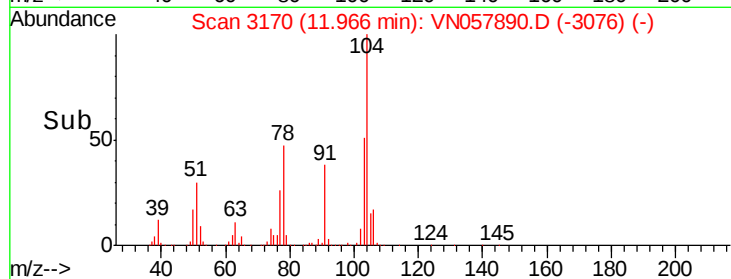
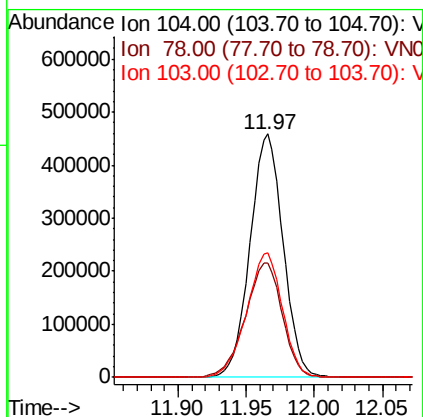
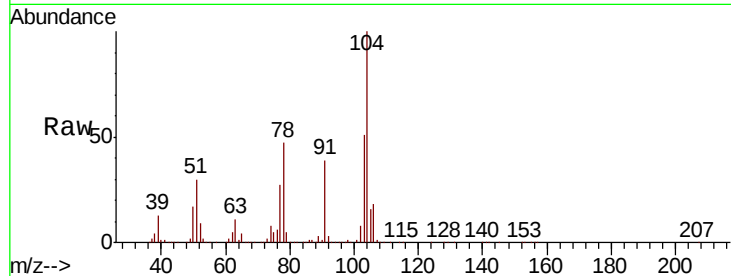




#70
Styrene
Concen: 51.591 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

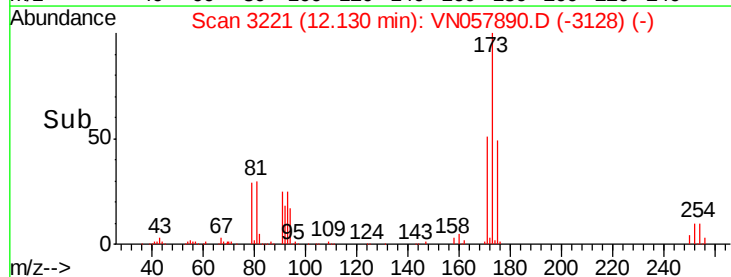
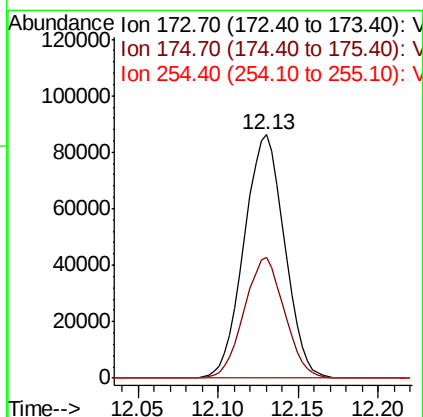
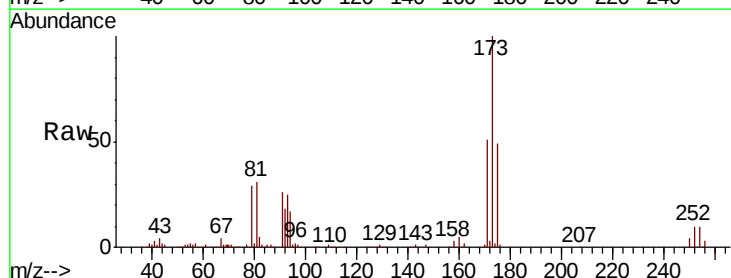
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

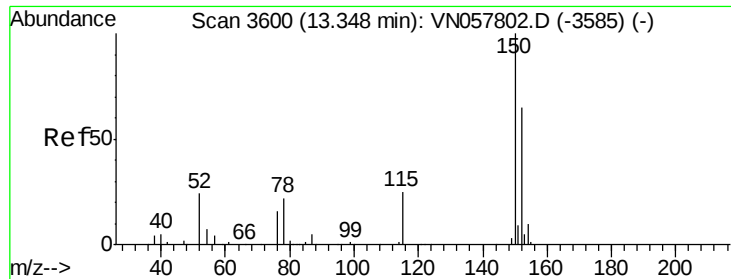
Tgt Ion:104 Resp: 774501
Ion Ratio Lower Upper
104 100
78 52.3 41.3 61.9
103 55.2 43.7 65.5



#71
Bromoform
Concen: 50.458 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion:173 Resp: 149204
Ion Ratio Lower Upper
173 100
175 49.1 23.5 70.6
254 0.1 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

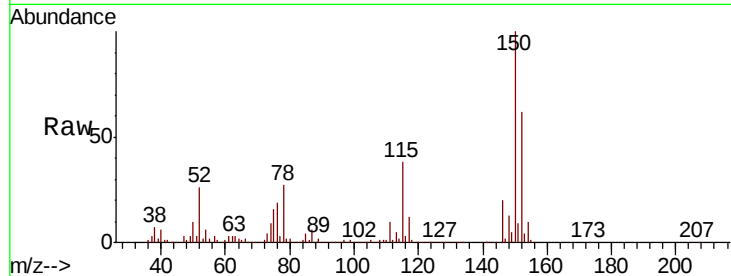
Tgt Ion:152 Resp: 329007

Ion Ratio Lower Upper

152 100

115 62.8 30.3 91.0

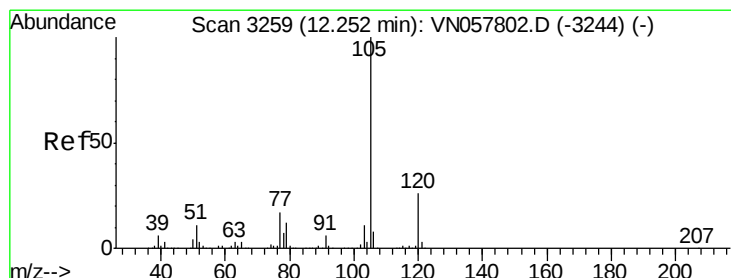
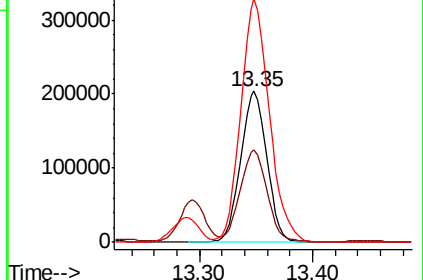
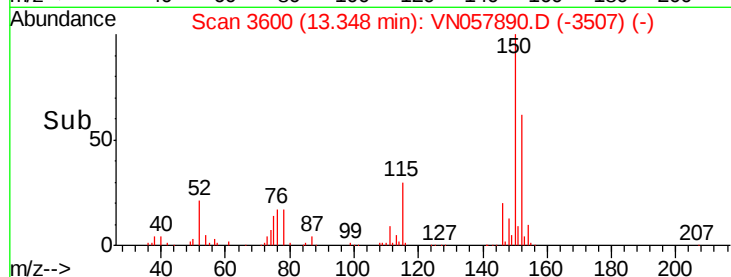
150 174.5 0.0 352.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 52.761 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057890.D

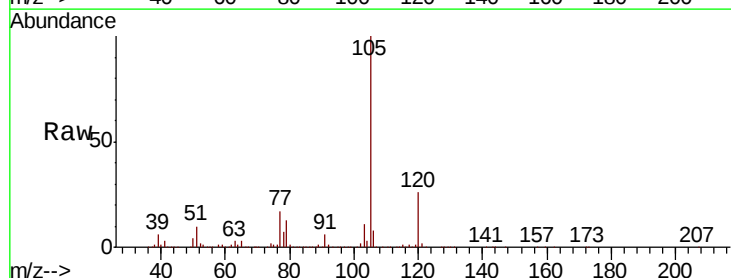
Acq: 11 Sep 2019 1:30

Tgt Ion:105 Resp: 1346988

Ion Ratio Lower Upper

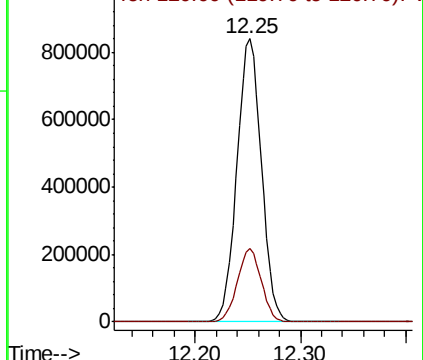
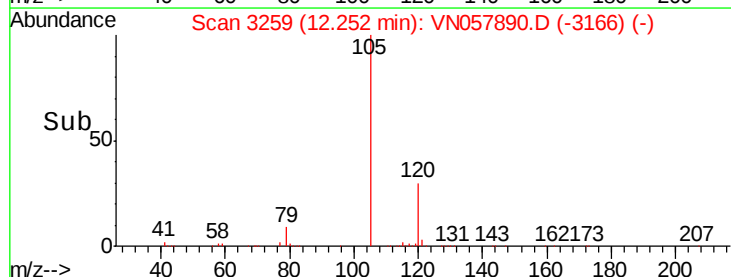
105 100

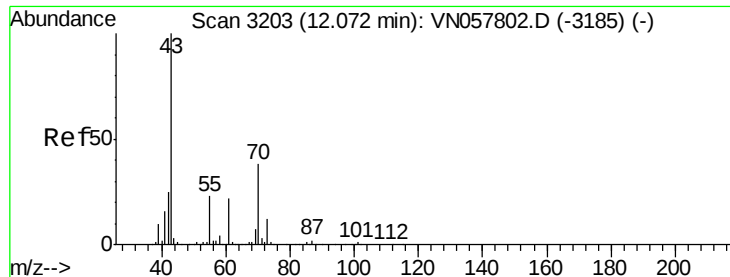
120 25.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 48.731 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion: 43 Resp: 541438

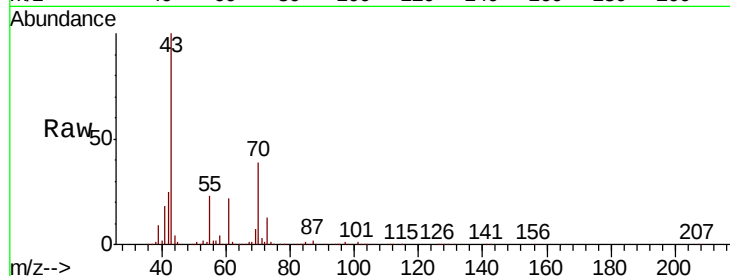
Ion Ratio Lower Upper

43 100

70 39.2 30.6 45.8

55 23.5 18.6 27.8

61 22.2 17.4 26.2

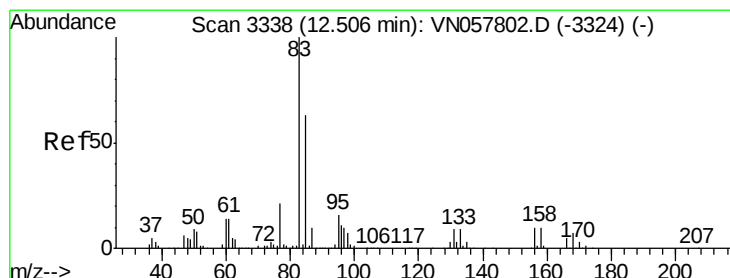
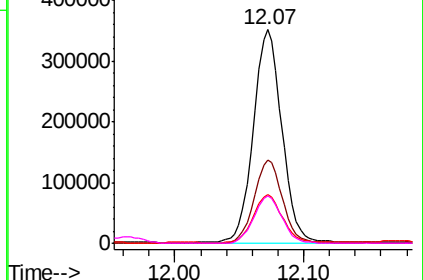
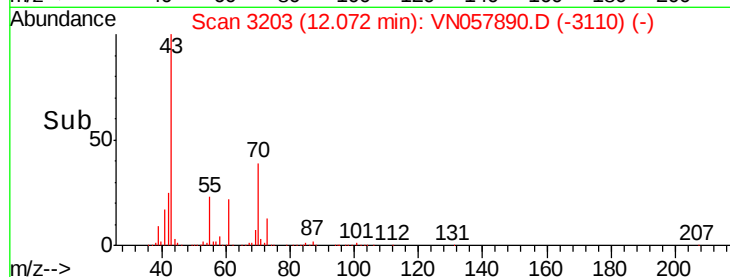


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 45.254 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

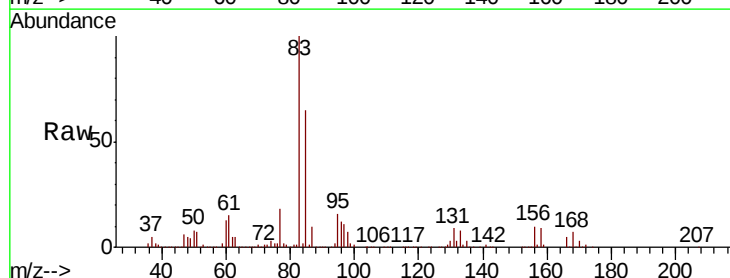
Tgt Ion: 83 Resp: 388997

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

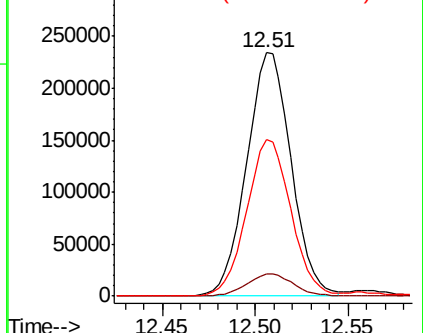
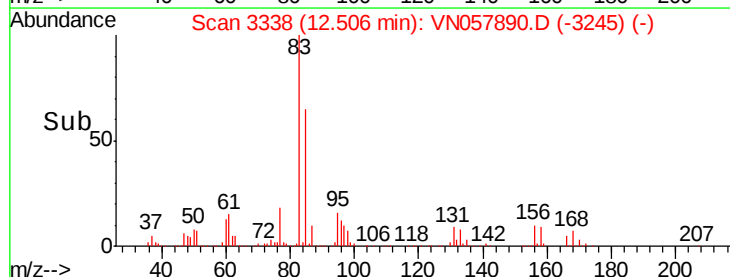
85 64.2 31.6 94.7

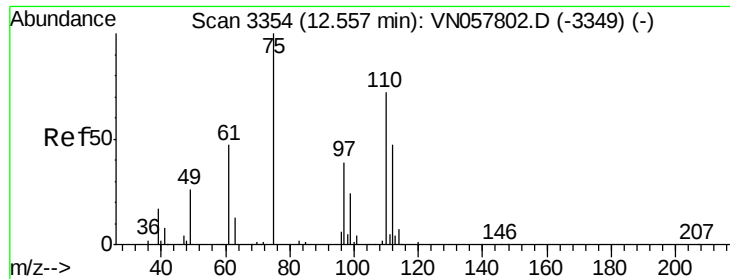


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

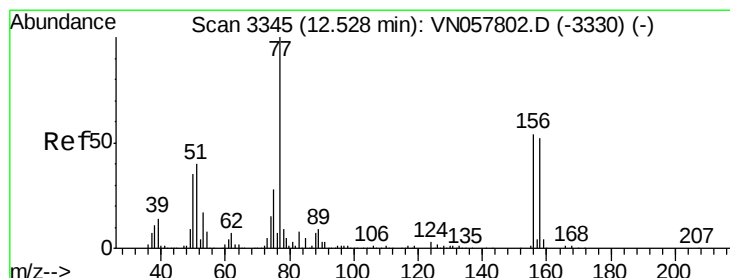
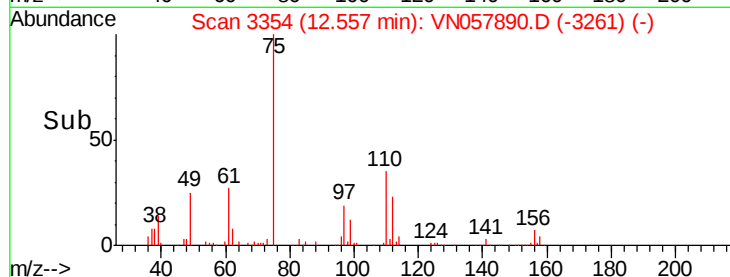
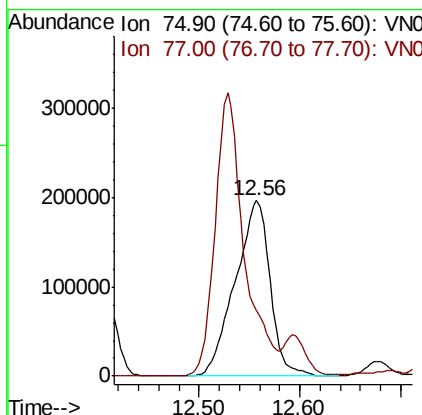
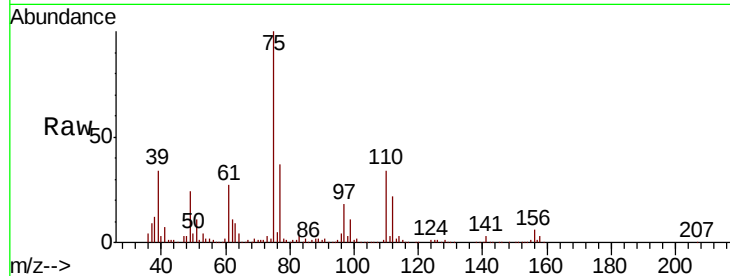




#76
 1,2,3-Trichloropropane
 Concen: 63.135 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

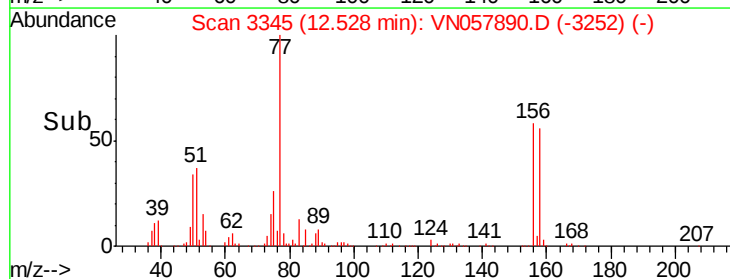
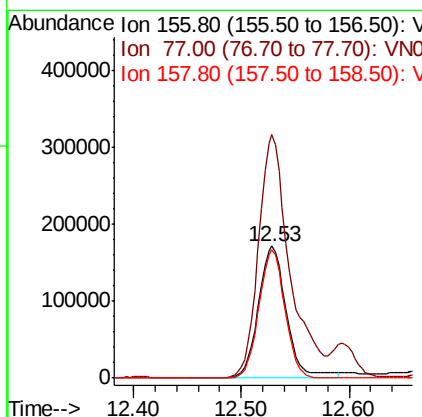
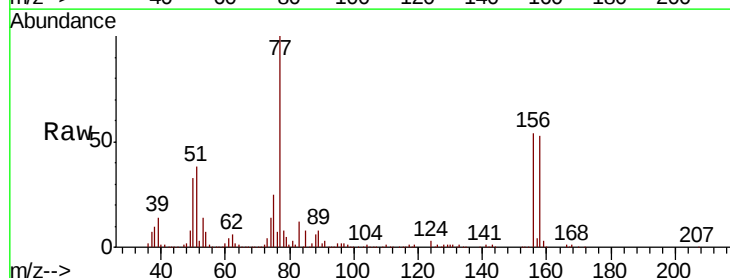
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

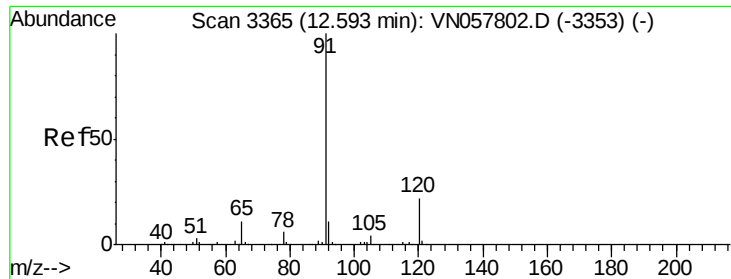
Tgt Ion: 75 Resp: 469899
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 48.532 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion: 156 Resp: 308911
 Ion Ratio Lower Upper
 156 100
 77 206.6 113.7 341.1
 158 89.9 48.5 145.6





#78

n-propylbenzene

Concen: 56.838 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

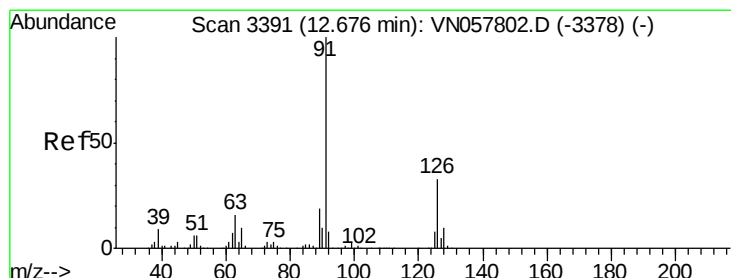
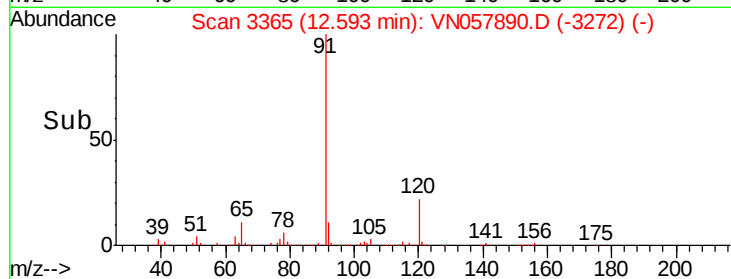
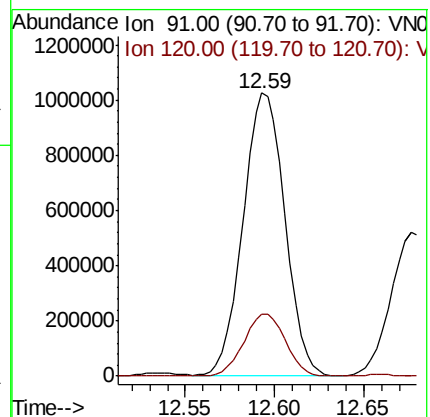
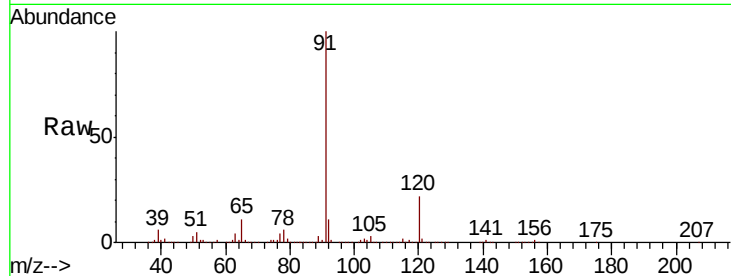
T11-MW-9-9.0-091019MS

Tgt Ion: 91 Resp: 1666271

Ion Ratio Lower Upper

91 100

120 22.0 11.1 33.1



#79

2-Chlorotoluene

Concen: 46.443 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057890.D

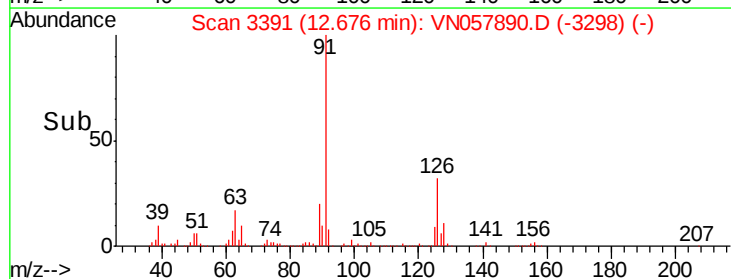
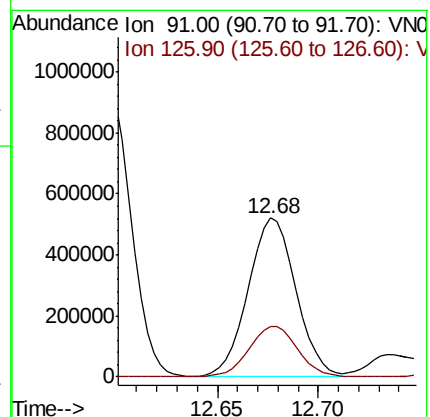
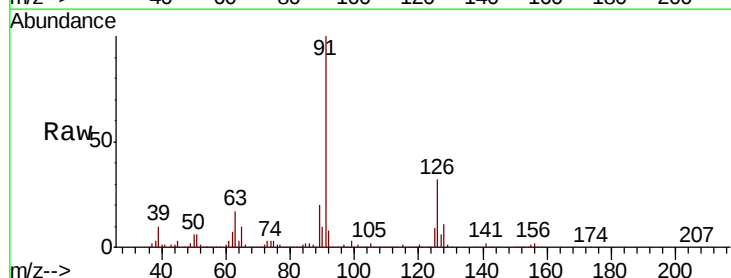
Acq: 11 Sep 2019 1:30

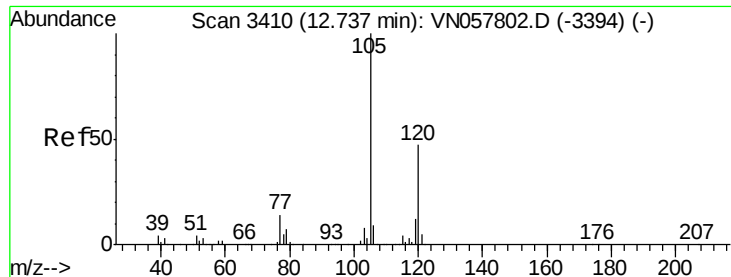
Tgt Ion: 91 Resp: 860536

Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.2

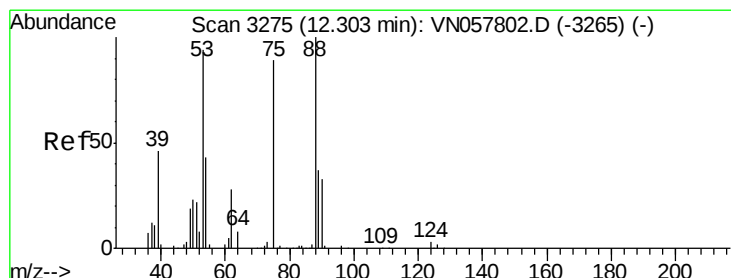
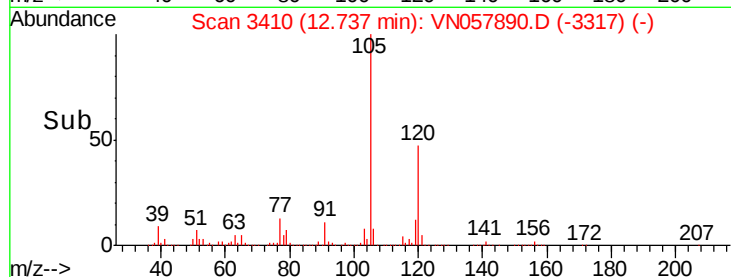
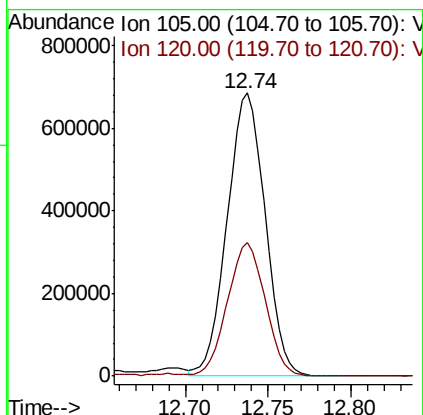
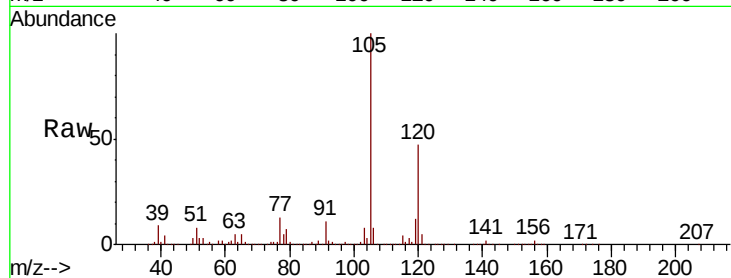




#80
 1,3,5-Trimethylbenzene
 Concen: 50.502 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

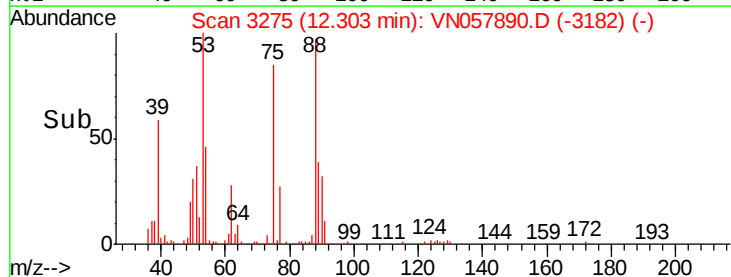
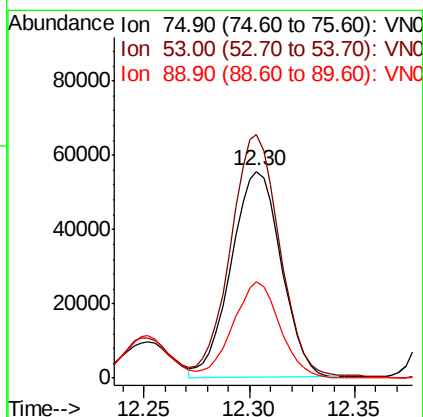
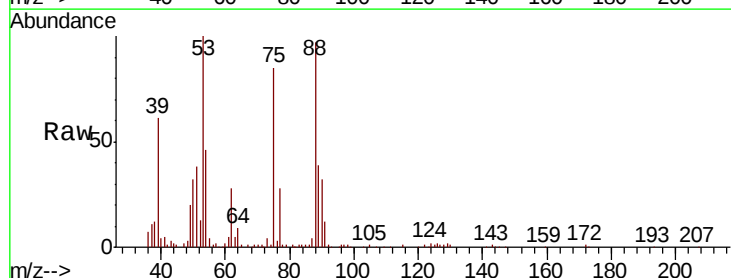
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

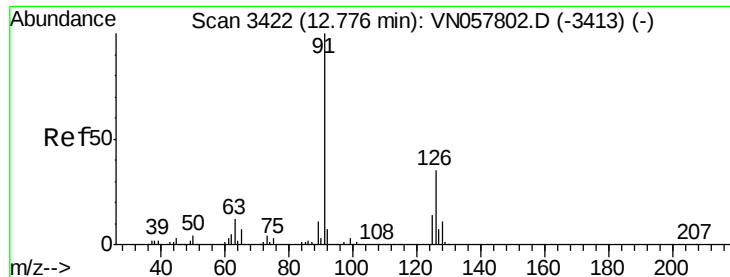
Tgt Ion:105 Resp: 1089400
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.7 71.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.019 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion: 75 Resp: 90984
 Ion Ratio Lower Upper
 75 100
 53 116.3 88.4 132.6
 89 44.4 35.3 52.9

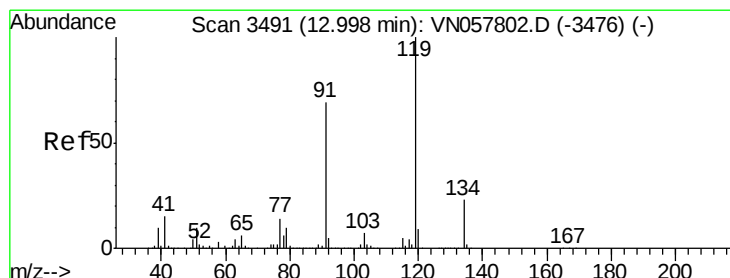
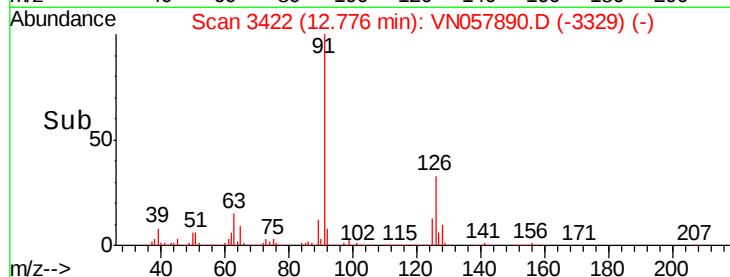
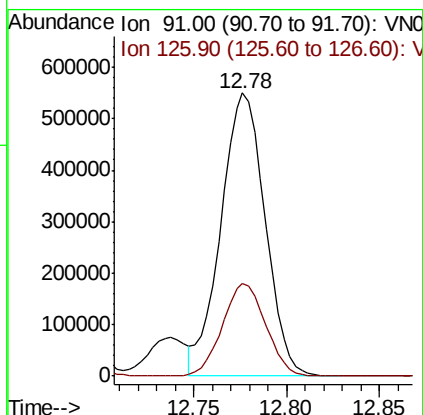
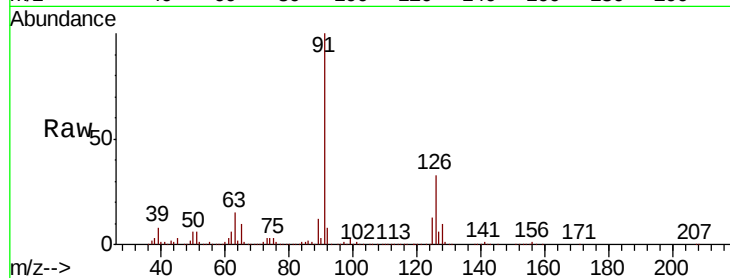




#82
4-Chlorotoluene
Concen: 47.600 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

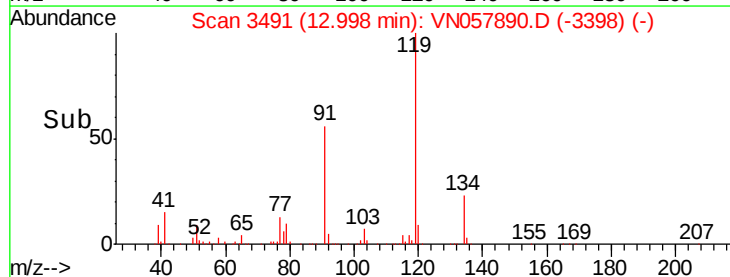
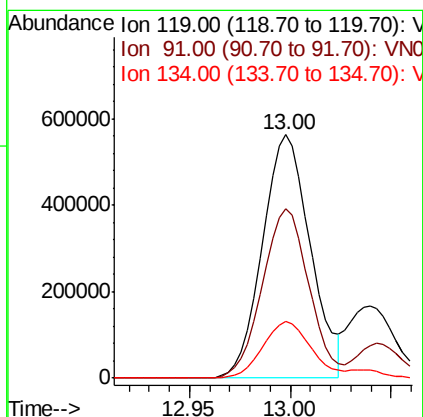
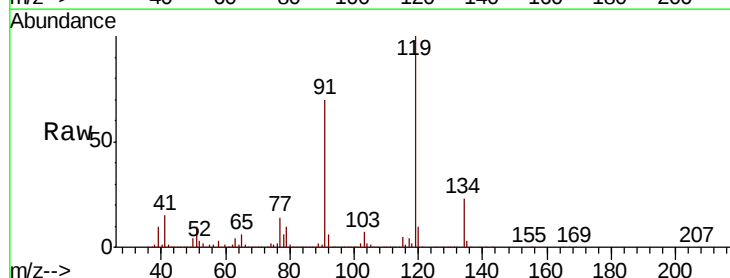
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MS

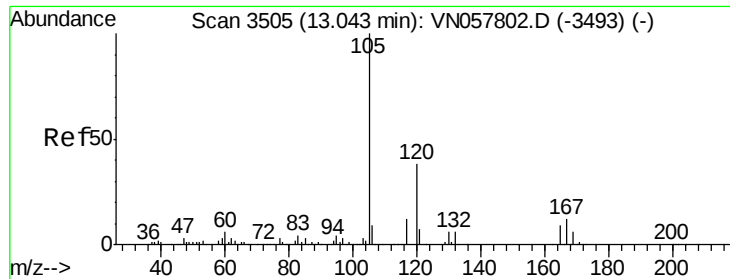
Tgt Ion: 91 Resp: 905724
Ion Ratio Lower Upper
91 100
126 32.2 16.0 48.0



#83
tert-Butylbenzene
Concen: 48.466 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057890.D
Acq: 11 Sep 2019 1:30

Tgt Ion: 119 Resp: 929330
Ion Ratio Lower Upper
119 100
91 67.8 33.6 100.8
134 23.5 11.7 35.0

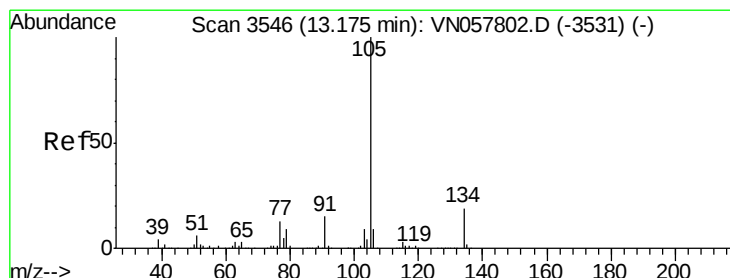
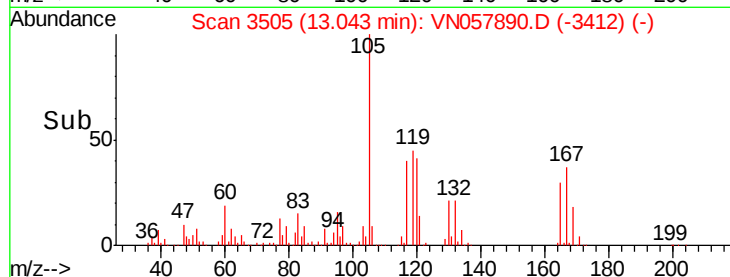
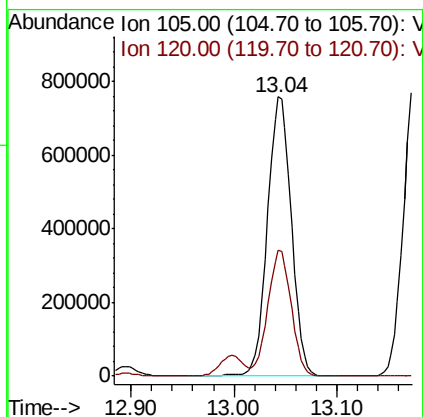
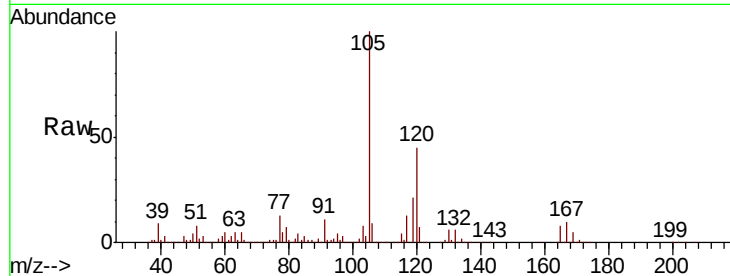




#84
 1,2,4-Trimethylbenzene
 Concen: 55.519 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

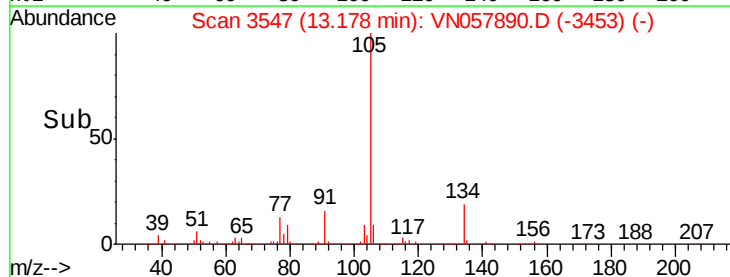
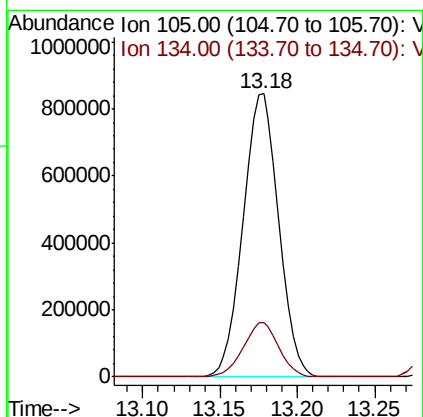
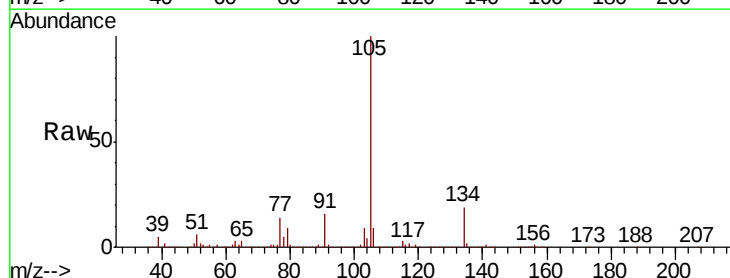
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

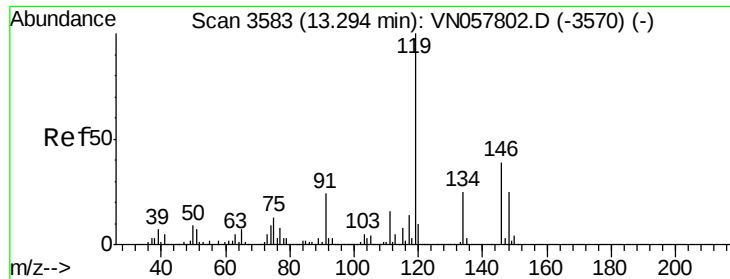
Tgt Ion:105 Resp: 1217199
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.2



#85
 sec-Butylbenzene
 Concen: 53.159 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion:105 Resp: 1351027
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.6 28.6

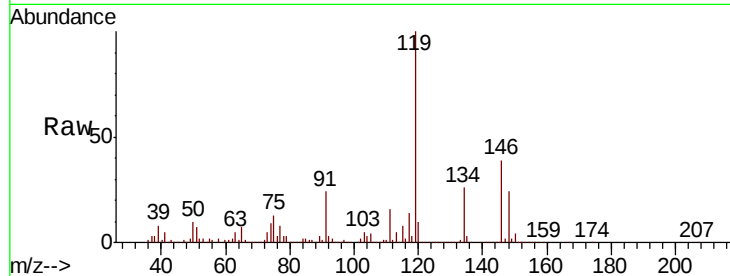




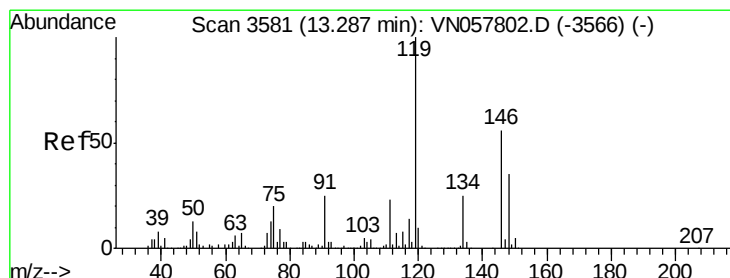
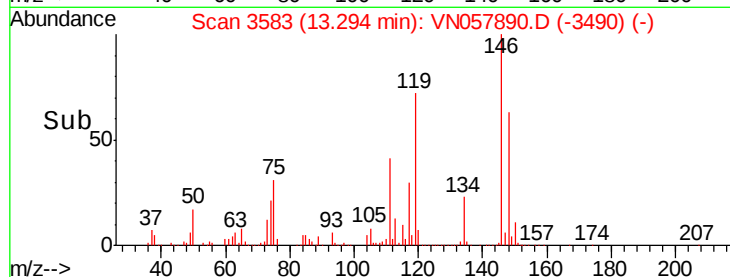
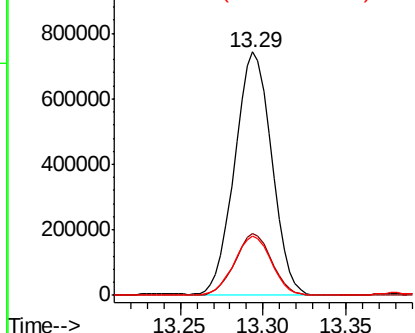
#86
 p-Isopropyltoluene
 Concen: 51.536 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Tgt Ion:119 Resp: 1154040
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.5 37.5
 91 24.1 12.3 36.8

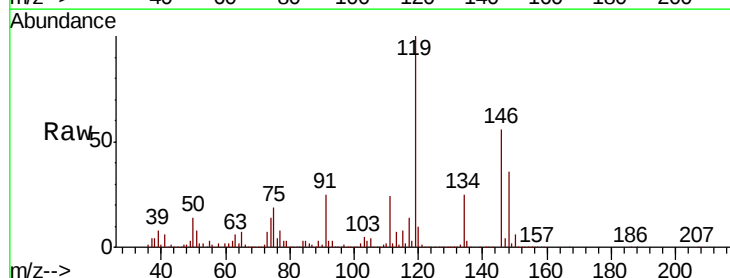


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

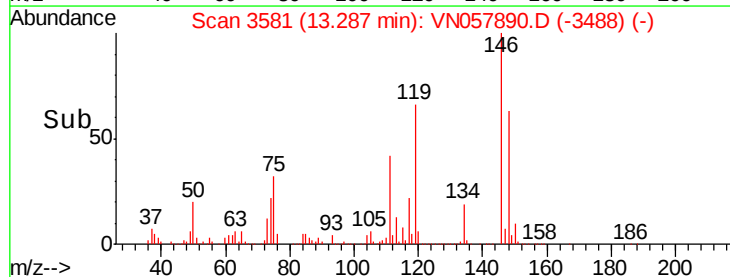
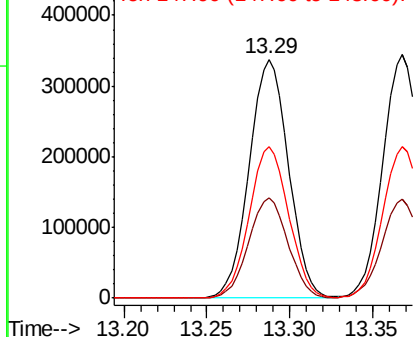


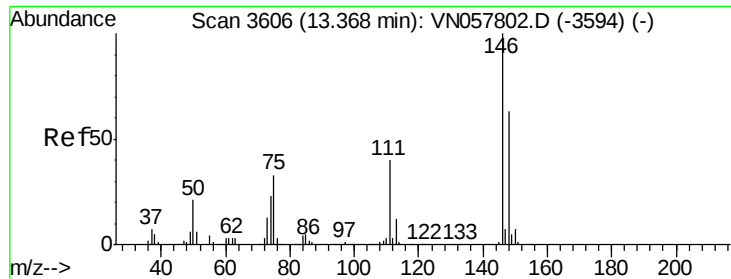
#87
 1,3-Dichlorobenzene
 Concen: 47.600 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion:146 Resp: 556118
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.5 61.6
 148 63.5 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

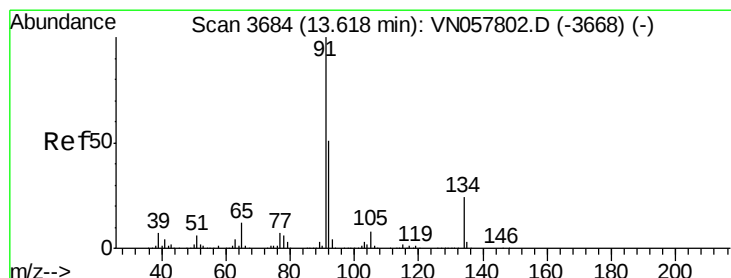
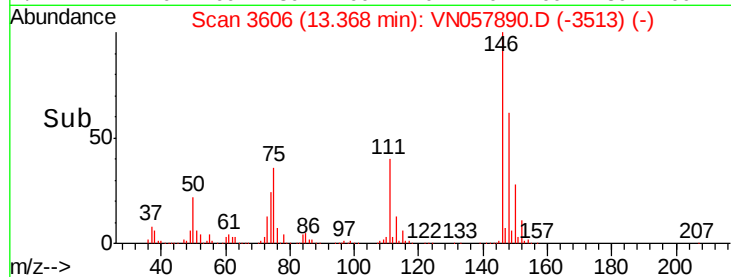
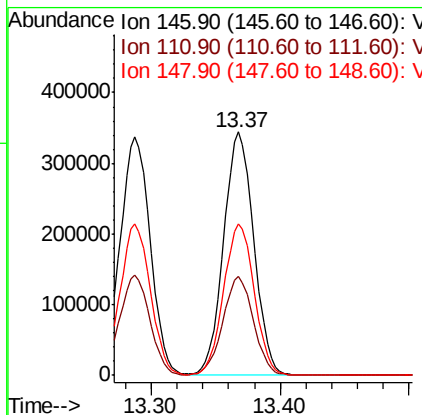
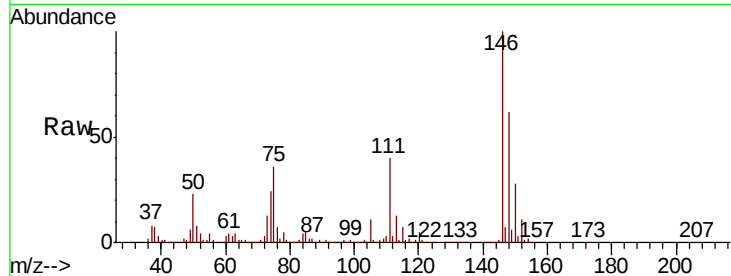




#88
 1,4-Dichlorobenzene
 Concen: 47.076 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

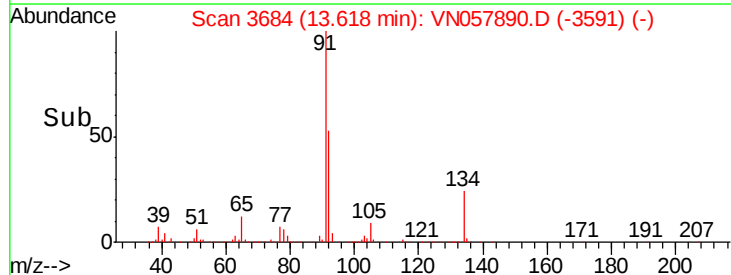
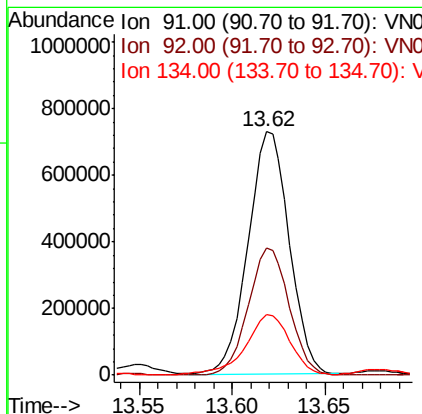
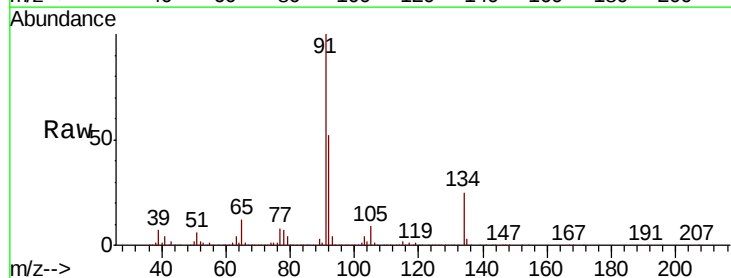
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

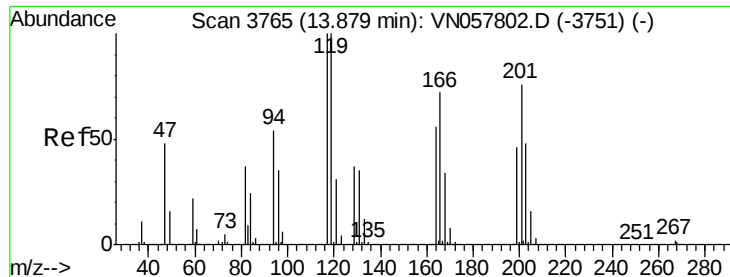
Tgt Ion: 146 Resp: 558280
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.4 61.2
 148 63.0 31.8 95.4



#89
 n-Butylbenzene
 Concen: 53.280 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Tgt Ion: 91 Resp: 1126709
 Ion Ratio Lower Upper
 91 100
 92 51.8 25.7 77.0
 134 27.0 11.9 35.7





#90

Hexachloroethane

Concen: 59.080 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

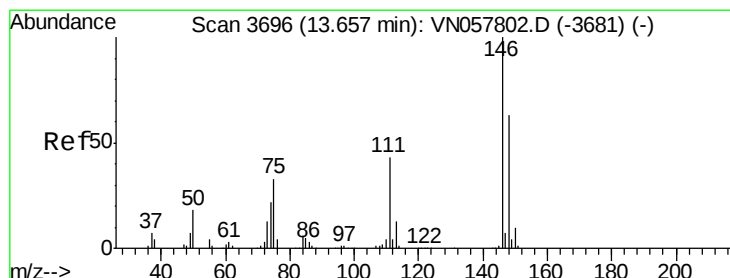
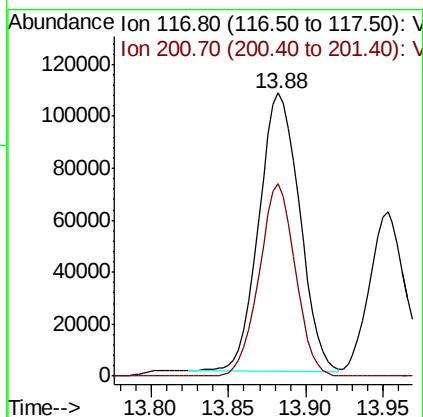
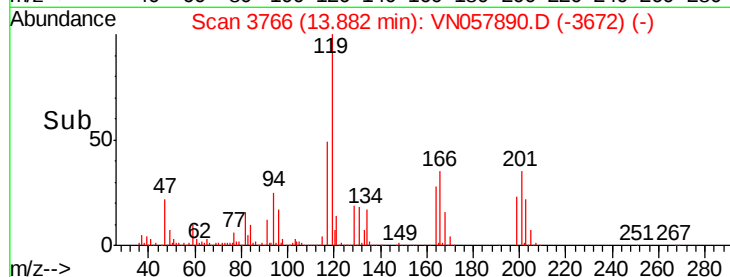
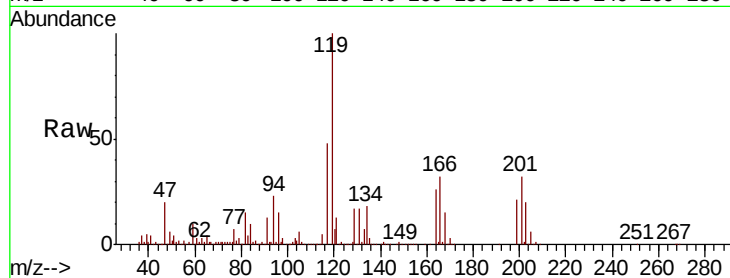
T11-MW-9-9.0-091019MS

Tgt Ion:117 Resp: 196755

Ion Ratio Lower Upper

117 100

201 61.2 37.5 112.7



#91

1,2-Dichlorobenzene

Concen: 47.520 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

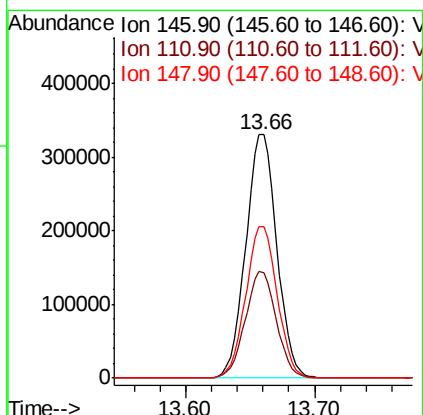
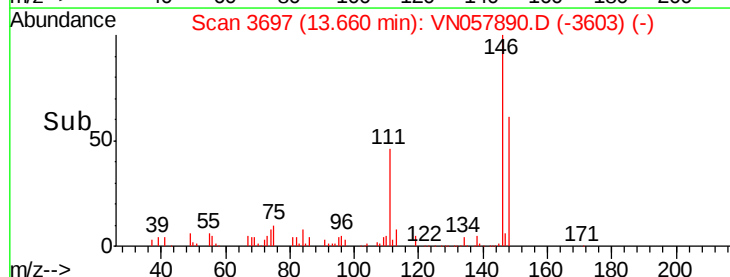
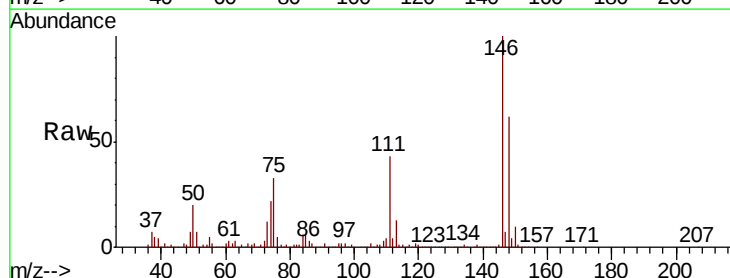
Tgt Ion:146 Resp: 554660

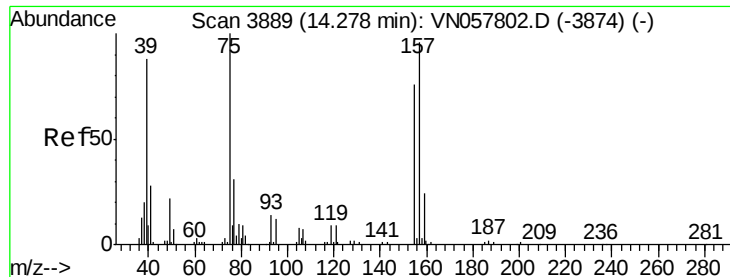
Ion Ratio Lower Upper

146 100

111 43.5 21.3 63.9

148 63.1 31.4 94.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.354 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

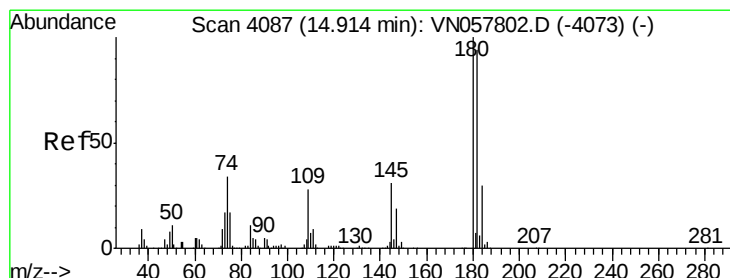
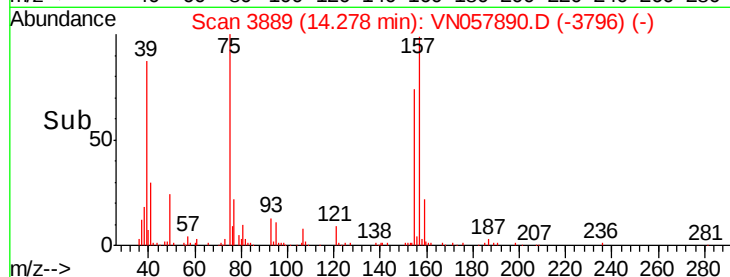
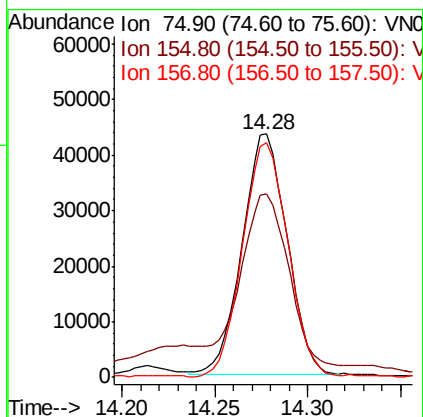
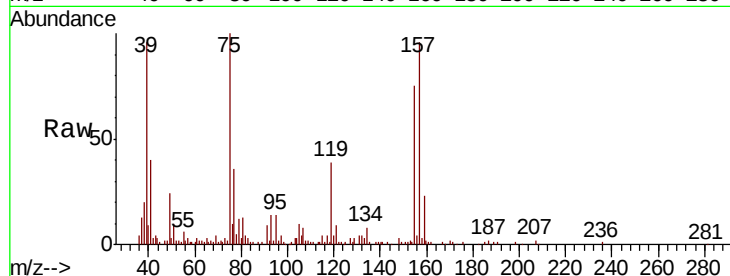
MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

Tgt Ion: 75 Resp: 72900

Ion	Ratio	Lower	Upper
75	100		
155	76.7	37.3	111.8
157	99.2	47.9	143.8



#93

1,2,4-Trichlorobenzene

Concen: 48.150 ug/l

RT: 14.91 min Scan# 4087

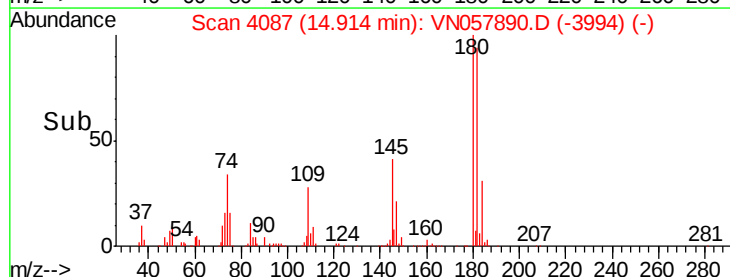
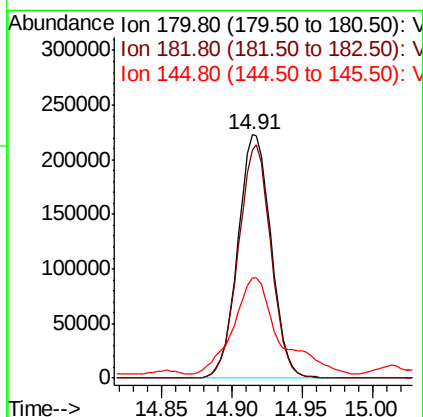
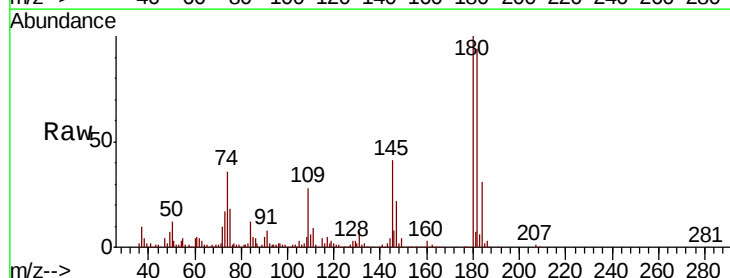
Delta R.T. 0.00 min

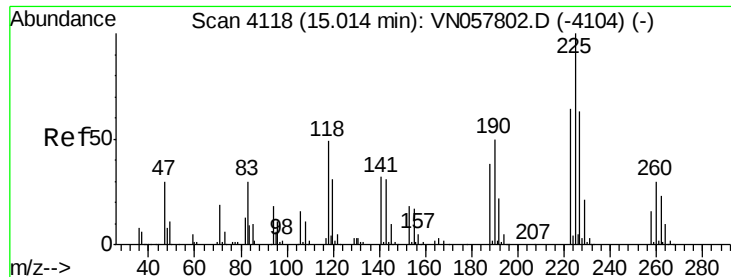
Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Tgt Ion: 180 Resp: 367337

Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.9	140.8
145	60.1	14.9	44.7#





#94

Hexachlorobutadiene

Concen: 47.718 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MS

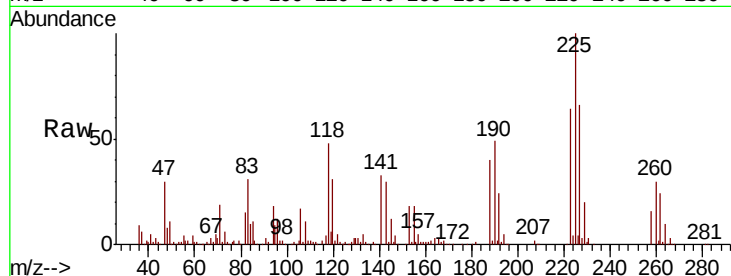
Tgt Ion:225 Resp: 154320

Ion Ratio Lower Upper

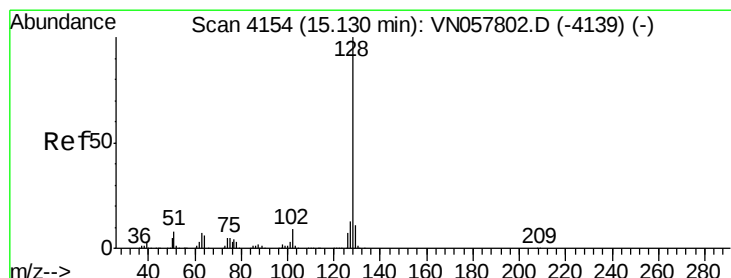
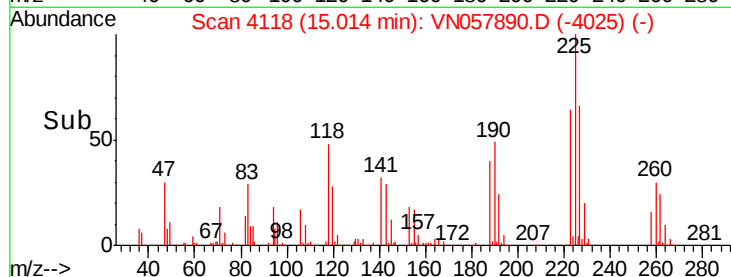
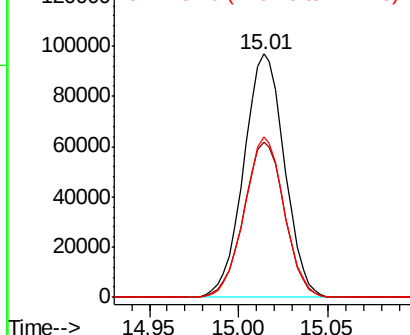
225 100

223 63.9 32.4 97.2

227 64.4 31.8 95.4



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



#95

Naphthalene

Concen: 169.602 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057890.D

Acq: 11 Sep 2019 1:30

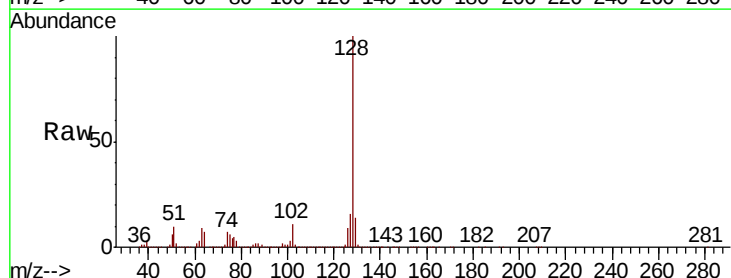
Tgt Ion:128 Resp: 3194169

Ion Ratio Lower Upper

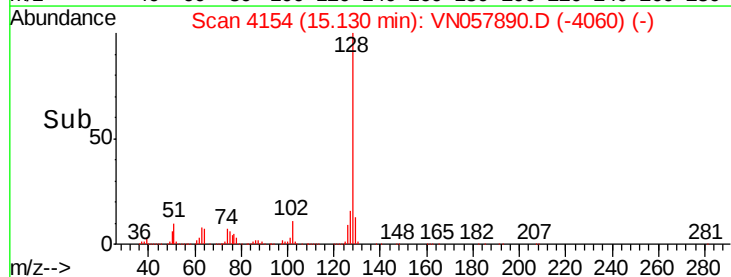
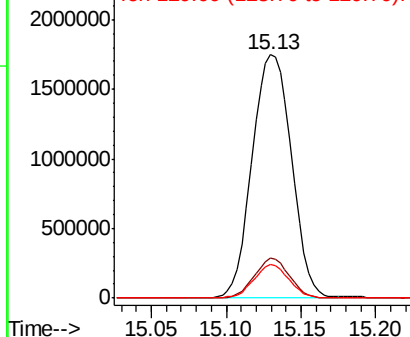
128 100

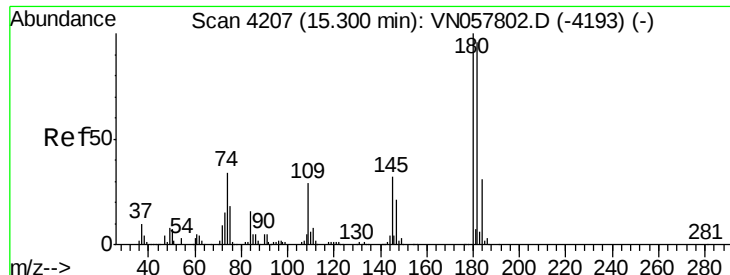
127 14.6 10.3 15.5

129 12.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

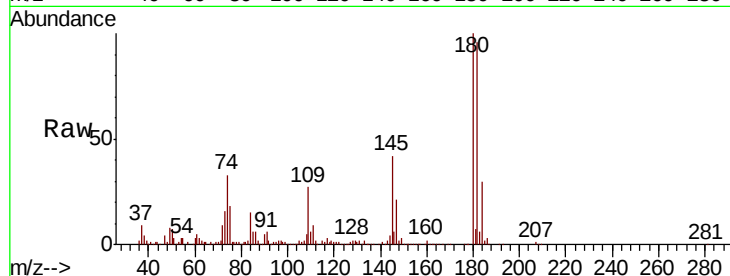




#96
 1,2,3-Trichlorobenzene
 Concen: 54.806 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN057890.D
 Acq: 11 Sep 2019 1:30

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MS

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.3	144.8
145	50.7	16.3	48.8#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

