

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057891.D
 Acq On : 11 Sep 2019 1:52
 Operator : JC/SP
 Sample : K4818-06MSD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

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

Quant Time: Sep 11 04:02:01 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	317249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	549368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	516054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	319422	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	346148	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
35) Dibromofluoromethane	7.57	113	257234	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	10.09	98	1005757	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.40	95	372539	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	222046	50.610	ug/l	98
3) Chloromethane	2.03	50	210170	47.000	ug/l	99
4) Vinyl Chloride	2.16	62	222260	46.963	ug/l	99
5) Bromomethane	2.52	94	85178	32.210	ug/l	98
6) Chloroethane	2.67	64	137177	45.487	ug/l	100
7) Trichlorofluoromethane	2.99	101	270591	45.433	ug/l	98
8) Diethyl Ether	3.39	74	128414	51.694	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	166258	44.251	ug/l	97
10) Methyl Iodide	3.93	142	151060	36.130	ug/l	99
11) Tert butyl alcohol	4.77	59	230500	296.384	ug/l	100
12) 1,1-Dichloroethene	3.71	96	162595	48.132	ug/l	98
13) Acrolein	3.58	56	137257	208.028	ug/l	100
14) Allyl chloride	4.29	41	319983	48.401	ug/l	100
15) Acrylonitrile	4.96	53	573114	268.111	ug/l	100
16) Acetone	3.80	43	507021	240.701	ug/l	98
17) Carbon Disulfide	4.03	76	258129	49.098	ug/l	99
18) Methyl Acetate	4.30	43	292593	52.096	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	851183	60.545	ug/l	99
20) Methylene Chloride	4.53	84	222541	55.634	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	177674	48.654	ug/l	97
22) Diisopropyl ether	5.93	45	824650	53.191	ug/l	98
23) Vinyl Acetate	5.87	43	2922544	265.992	ug/l	100
24) 1,1-Dichloroethane	5.82	63	435067	51.347	ug/l	100
25) 2-Butanone	6.82	43	799369	262.195	ug/l	99
26) 2,2-Dichloropropane	6.81	77	258651	38.573	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	247686	50.612	ug/l	98
28) Bromochloromethane	7.18	49	221575	52.344	ug/l	96
29) Tetrahydrofuran	7.19	42	502073	267.251	ug/l	100
30) Chloroform	7.36	83	449452	50.732	ug/l	99
31) Cyclohexane	7.64	56	277523	47.973	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	354089	50.394	ug/l	99
36) 1,1-Dichloropropene	7.78	75	279531	43.874	ug/l	99
37) Ethyl Acetate	6.91	43	300246	45.612	ug/l	99
38) Carbon Tetrachloride	7.76	117	271906	46.744	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057891.D
 Acq On : 11 Sep 2019 1:52
 Operator : JC/SP
 Sample : K4818-06MSD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

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

Quant Time: Sep 11 04:02:01 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)
39) Methylcyclohexane	9.07	83	262547	39.200	ug/l	100
40) Benzene	8.03	78	916979	47.805	ug/l	99
41) Methacrylonitrile	7.15	41	148922	49.839	ug/l	98
42) 1,2-Dichloroethane	8.11	62	372845	48.602	ug/l	99
43) Isopropyl Acetate	8.15	43	547009	49.414	ug/l	100
44) Trichloroethene	8.82	130	218973	46.544	ug/l	94
45) 1,2-Dichloropropane	9.11	63	274489	49.178	ug/l	98
46) Dibromomethane	9.20	93	166806	49.456	ug/l	99
47) Bromodichloromethane	9.40	83	340930	50.619	ug/l	96
48) Methyl methacrylate	9.19	41	278899	49.667	ug/l	100
49) 1,4-Dioxane	9.19	88	88071	927.446	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1761217	268.855	ug/l	100
52) Toluene	10.15	92	589805	48.820	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	354792	50.023	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	383625	48.991	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	257497	50.317	ug/l	99
56) Ethyl methacrylate	10.43	69	401299	52.073	ug/l	99
57) 1,3-Dichloropropane	10.71	76	436778	49.525	ug/l	99
59) 2-Hexanone	10.75	43	1315187	267.854	ug/l	100
60) Dibromochloromethane	10.90	129	246059	51.779	ug/l	99
61) 1,2-Dibromoethane	11.00	107	243876	50.408	ug/l	100
64) Tetrachloroethene	10.63	164	162575	42.667	ug/l	99
65) Chlorobenzene	11.43	112	652222	48.293	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	241958	51.631	ug/l	99
67) Ethyl Benzene	11.51	91	1186014	50.109	ug/l	100
68) m/p-Xylenes	11.62	106	870691	100.427	ug/l	99
69) o-Xylene	11.95	106	447325	51.899	ug/l	98
70) Styrene	11.97	104	778724	52.498	ug/l	99
71) Bromoform	12.13	173	156211	53.465	ug/l #	98
73) Isopropylbenzene	12.25	105	1299617	52.433	ug/l	100
74) N-amyl acetate	12.07	43	555984	51.542	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	392465	47.027	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	473368	65.510	ug/l #	100
77) Bromobenzene	12.53	156	310273	50.208	ug/l	90
78) n-propylbenzene	12.59	91	1599298	56.190	ug/l	100
79) 2-Chlorotoluene	12.68	91	839880	46.689	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1054186	50.336	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	95267	46.395	ug/l	98
82) 4-Chlorotoluene	12.78	91	881475	47.716	ug/l	100
83) tert-Butylbenzene	13.00	119	892683	47.952	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1185695	55.705	ug/l	99
85) sec-Butylbenzene	13.18	105	1268497	51.410	ug/l	99
86) p-Isopropyltoluene	13.29	119	1094369	50.337	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	549743	48.466	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	551475	47.897	ug/l	100
89) n-Butylbenzene	13.62	91	1056184	51.443	ug/l	98
90) Hexachloroethane	13.88	117	187583	58.016	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	554928	48.970	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73085	53.029	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	369751	49.920	ug/l #	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057891.D
Acq On : 11 Sep 2019 1:52
Operator : JC/SP
Sample : K4818-06MSD
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 32 Sample Multiplier: 1

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

Quant Time: Sep 11 04:02:01 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

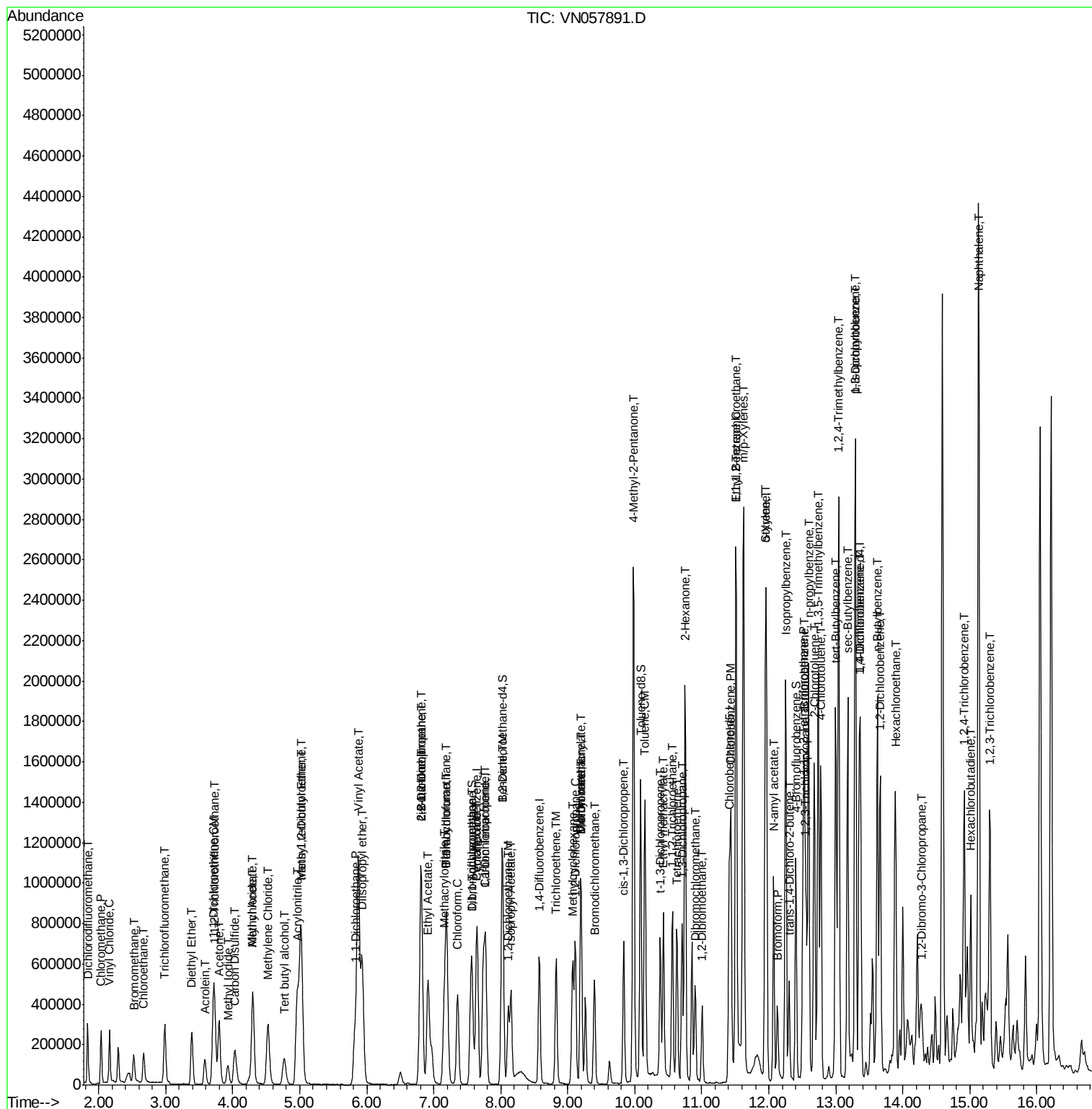
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	150527	47.942	ug/l	97
95) Naphthalene	15.13	128	3227860	176.600	ug/l	96
96) 1,2,3-Trichlorobenzene	15.30	180	366422	56.534	ug/l #	91

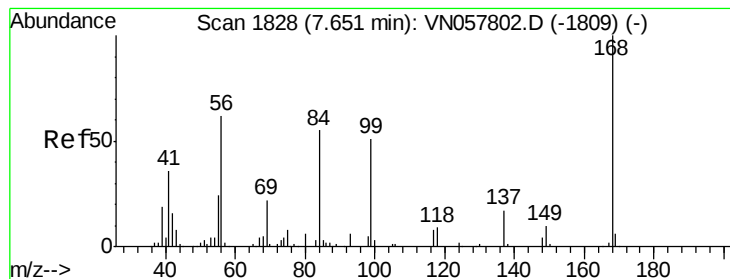
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
Data File : VN057891.D
Acq On : 11 Sep 2019 1:52
Operator : JC/SP
Sample : K4818-06MSD
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 32 Sample Multiplier: 1

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

Quant Time: Sep 11 04:02:01 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

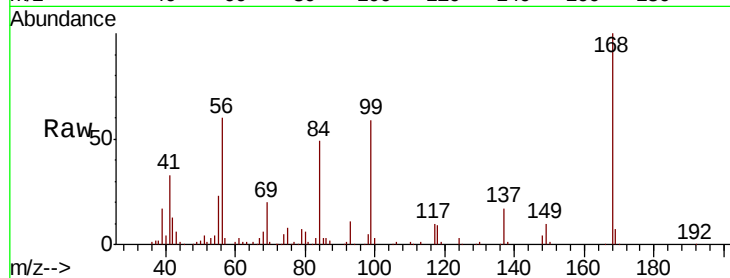
T11-MW-9-9.0-091019MSD

Tgt Ion:168 Resp: 317249

Ion Ratio Lower Upper

168 100

99 59.1 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

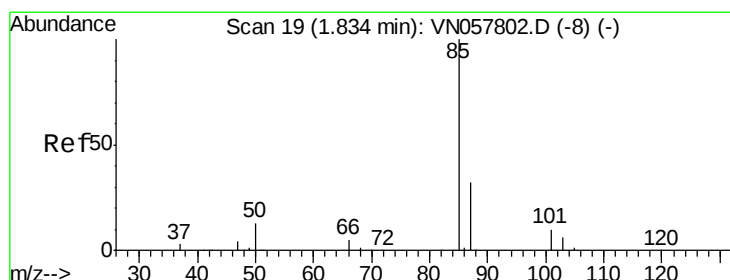
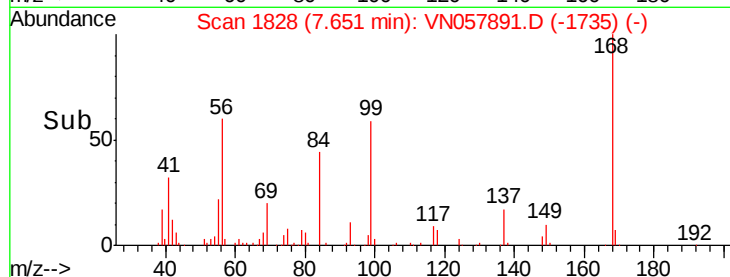
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.610 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057891.D

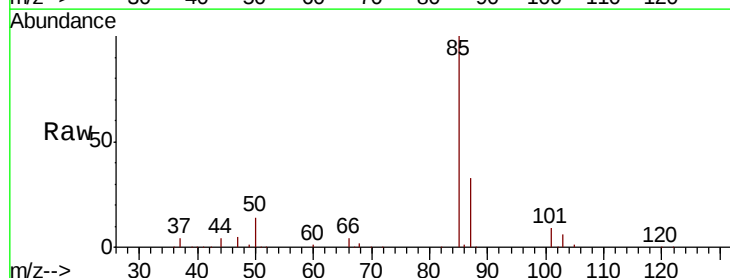
Acq: 11 Sep 2019 1:52

Tgt Ion: 85 Resp: 222046

Ion Ratio Lower Upper

85 100

87 33.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

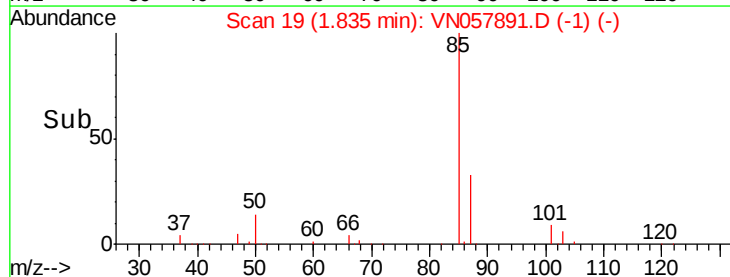
100000

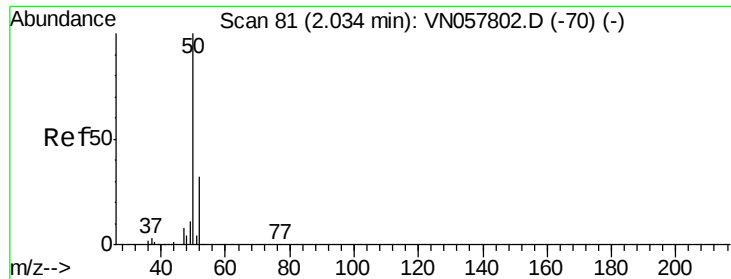
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.000 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

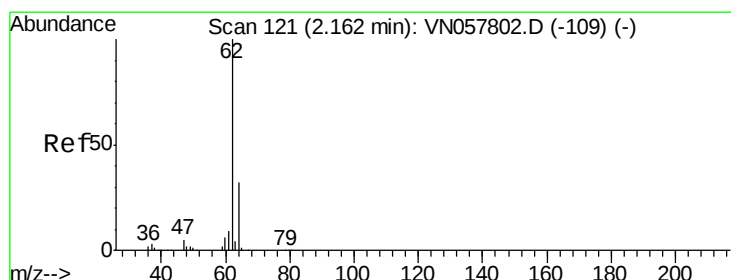
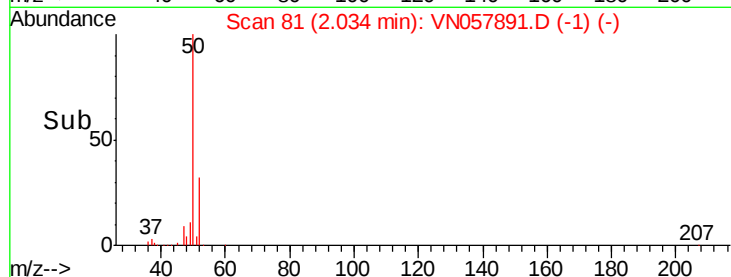
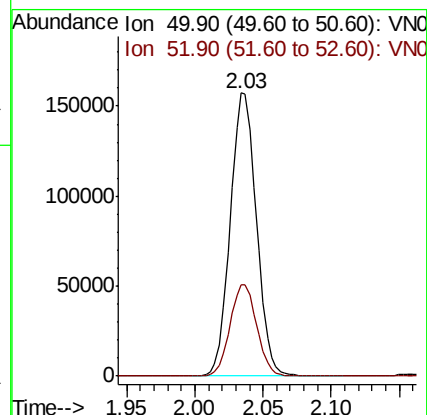
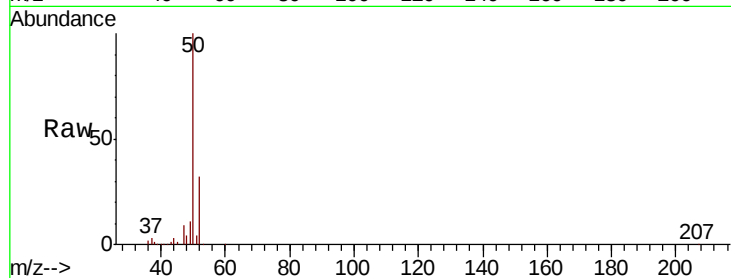
T11-MW-9-9.0-091019MSD

Tgt Ion: 50 Resp: 210170

Ion Ratio Lower Upper

50 100

52 32.4 25.5 38.3



#4

Vinyl Chloride

Concen: 46.963 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057891.D

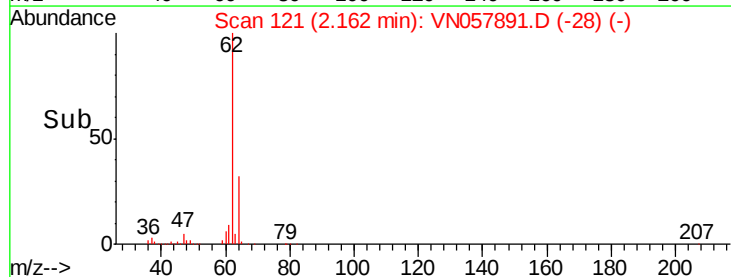
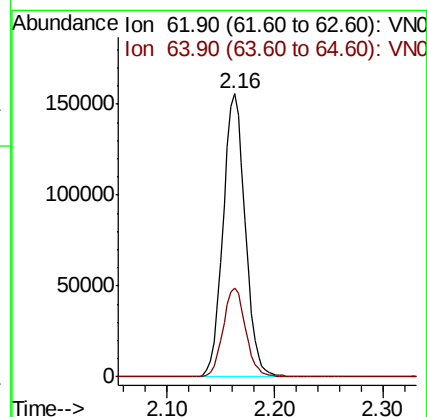
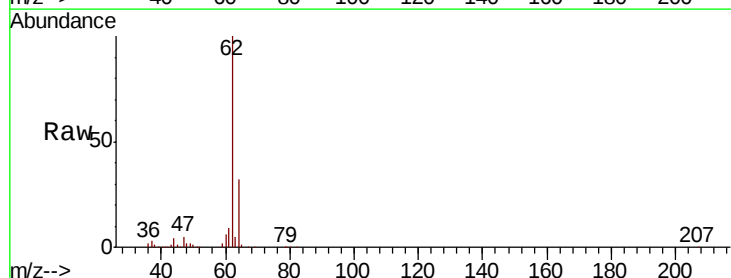
Acq: 11 Sep 2019 1:52

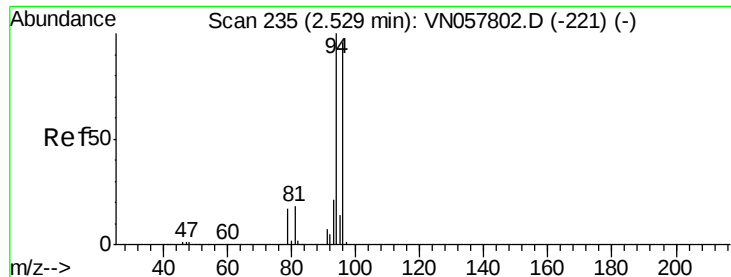
Tgt Ion: 62 Resp: 222260

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4





#5

Bromomethane

Concen: 32.210 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

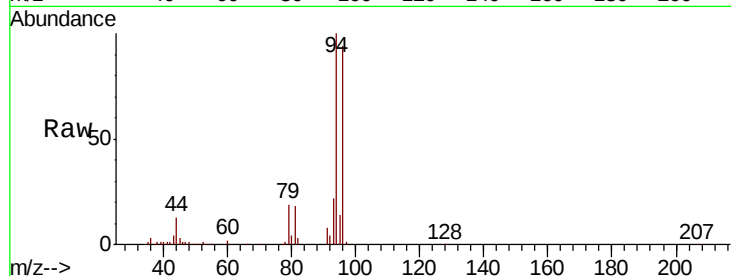
T11-MW-9-9.0-091019MSD

Tgt Ion: 94 Resp: 85178

Ion Ratio Lower Upper

94 100

96 94.1 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

40000

30000

20000

10000

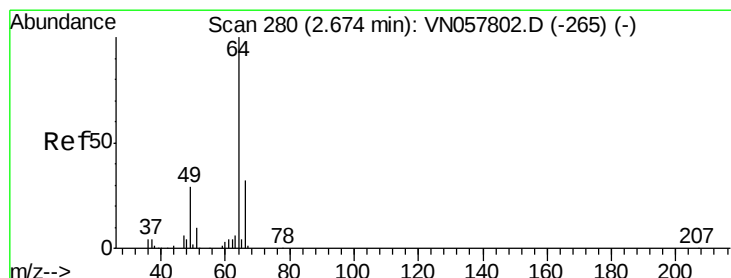
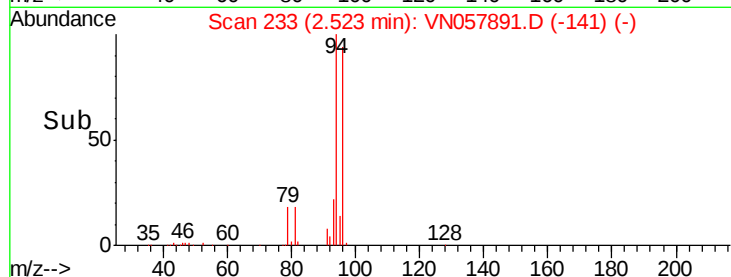
0

Time-->

2.45

2.50

2.55



#6

Chloroethane

Concen: 45.487 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN057891.D

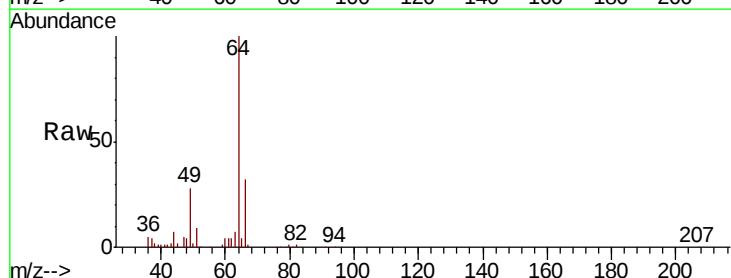
Acq: 11 Sep 2019 1:52

Tgt Ion: 64 Resp: 137177

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

80000

60000

40000

20000

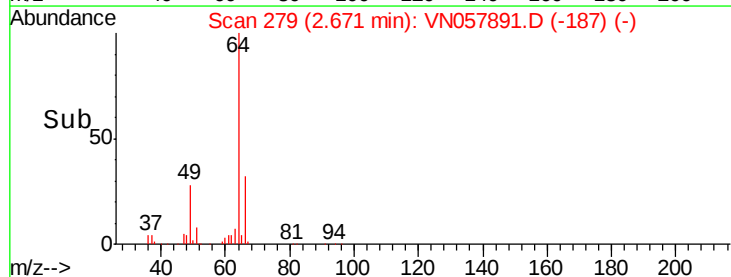
0

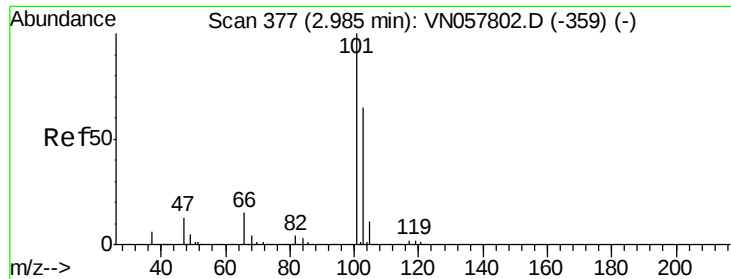
Time-->

2.60

2.70

2.80



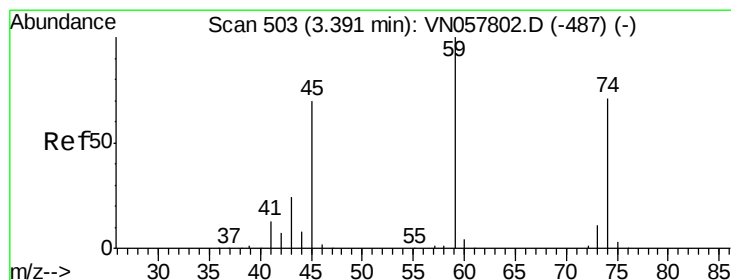
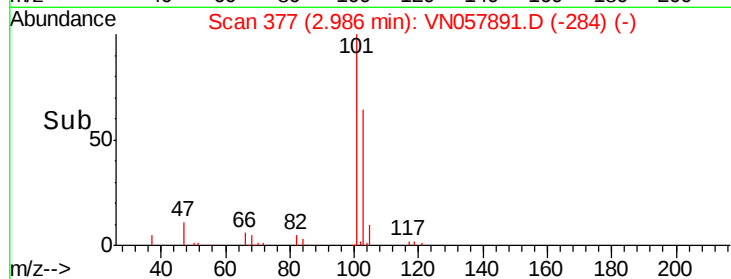
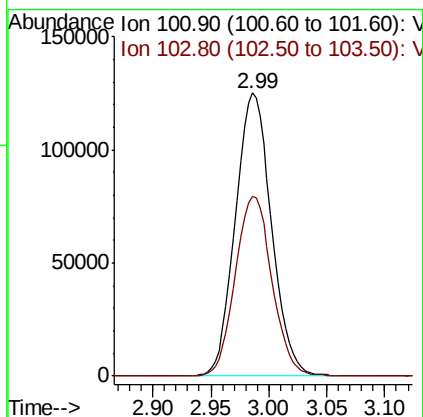
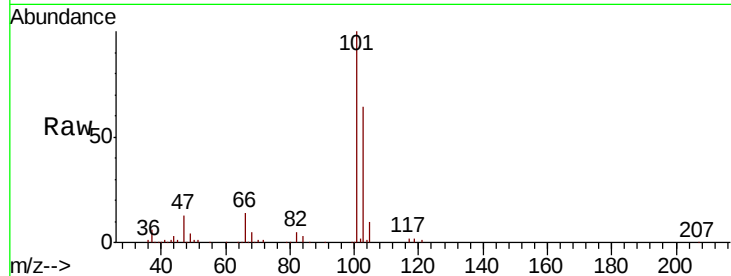


#7

Trichlorofluoromethane
 Concen: 45.433 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

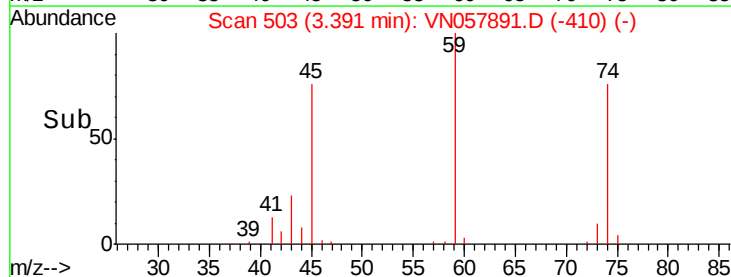
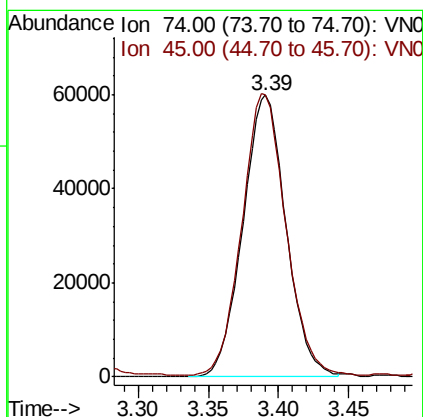
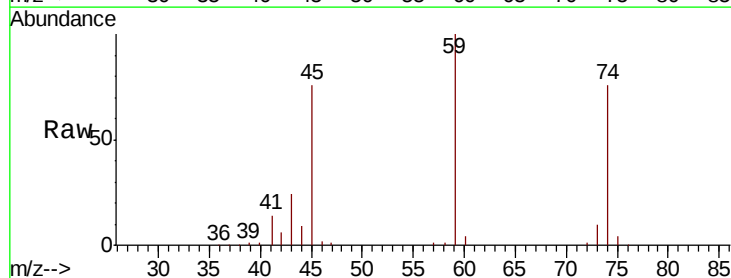
Tgt Ion: 101 Resp: 270591
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.9 77.9

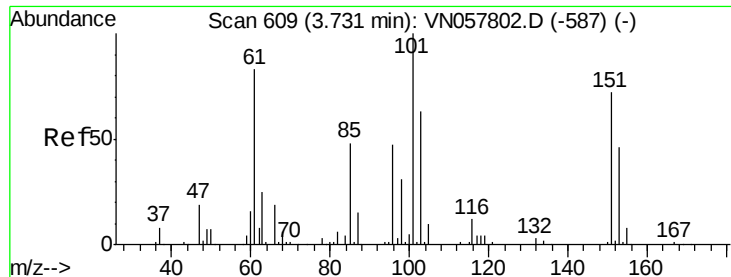


#8

Diethyl Ether
 Concen: 51.694 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion: 74 Resp: 128414
 Ion Ratio Lower Upper
 74 100
 45 101.1 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.251 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

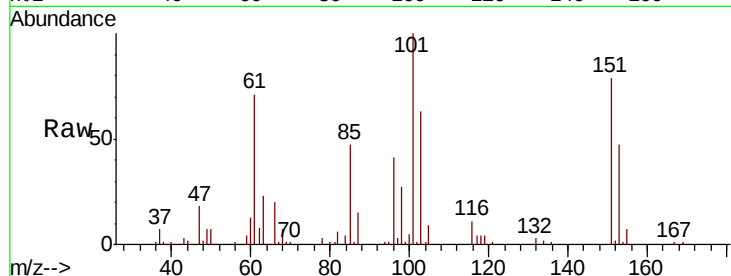
Tgt Ion:101 Resp: 166258

Ion Ratio Lower Upper

101 100

85 45.8 38.1 57.1

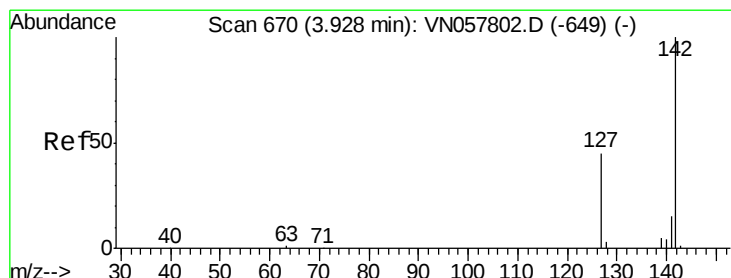
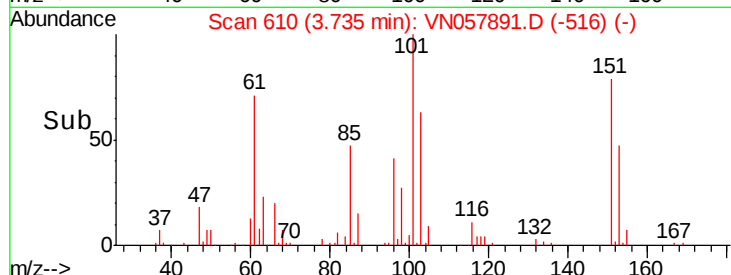
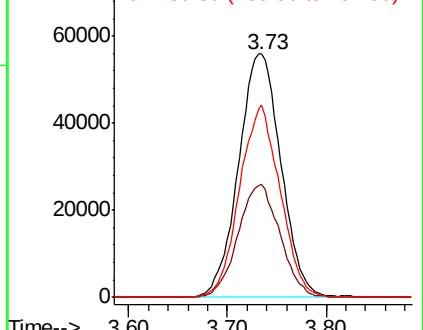
151 75.4 58.4 87.6



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: 36.130 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

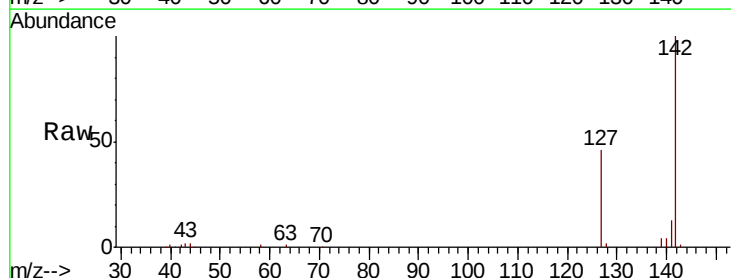
Tgt Ion:142 Resp: 151060

Ion Ratio Lower Upper

142 100

127 46.5 36.7 55.1

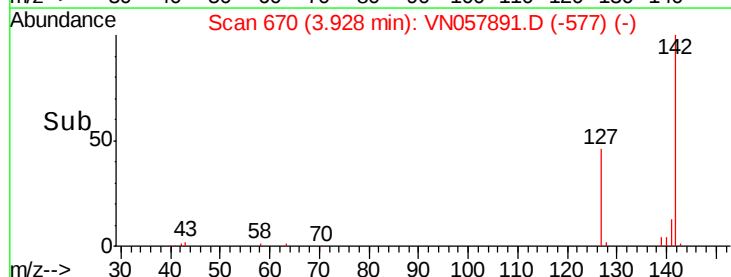
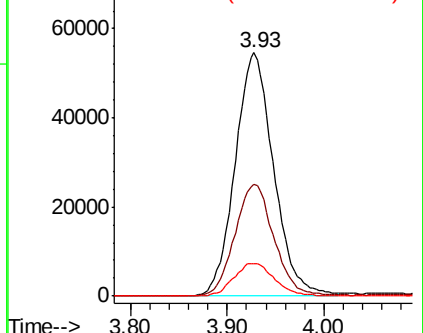
141 14.2 11.4 17.0

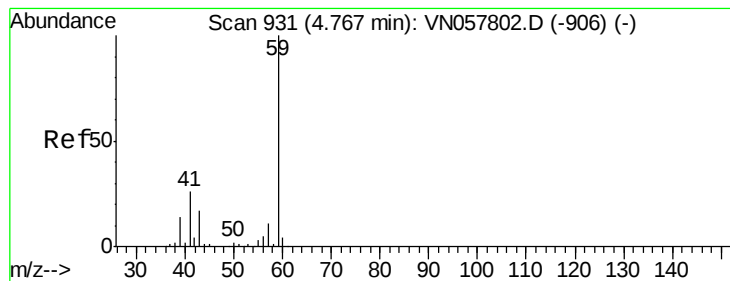


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



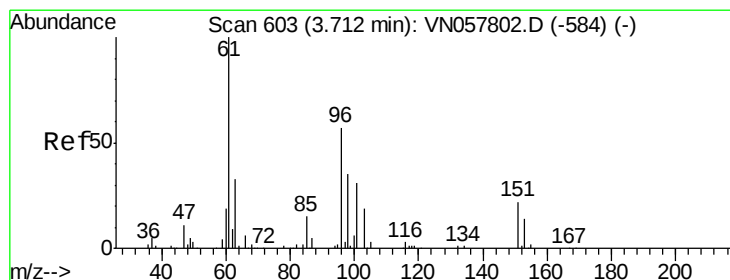
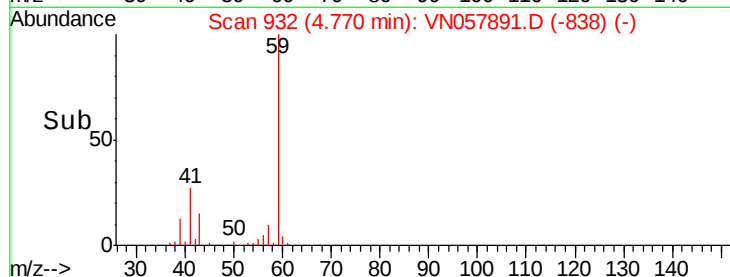
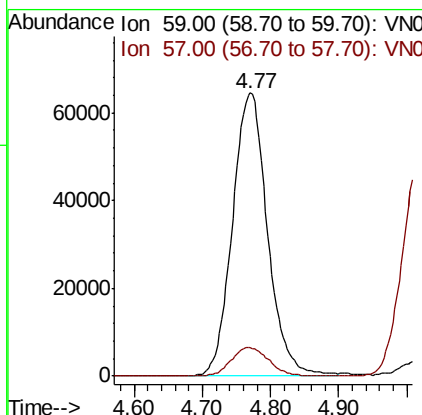
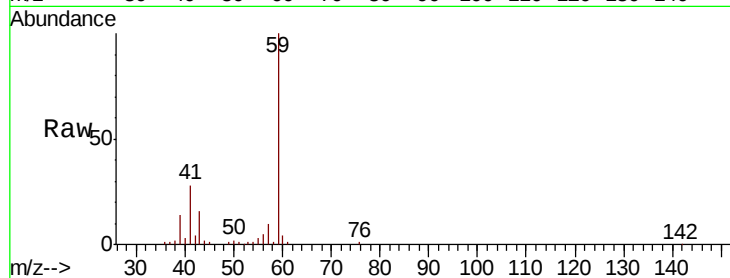


#11

Tert butyl alcohol
 Concen: 296.384 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

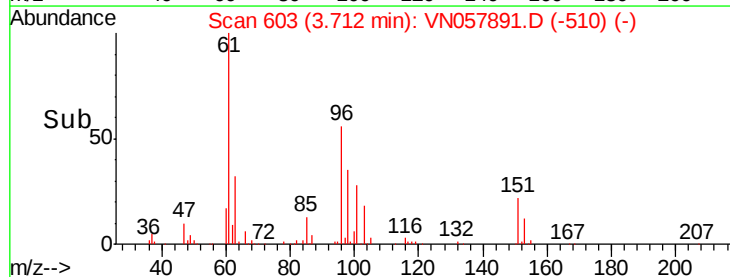
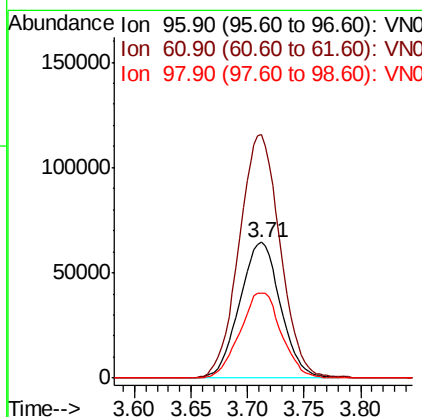
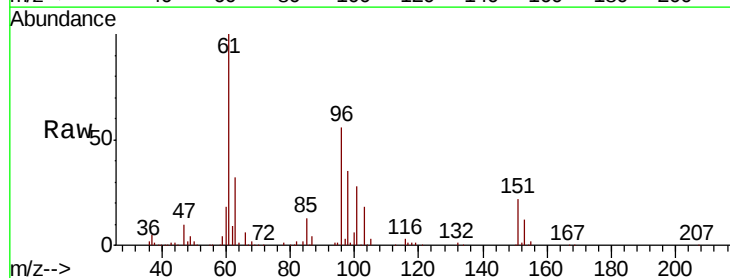
Tgt Ion: 59 Resp: 230500
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.4 12.6

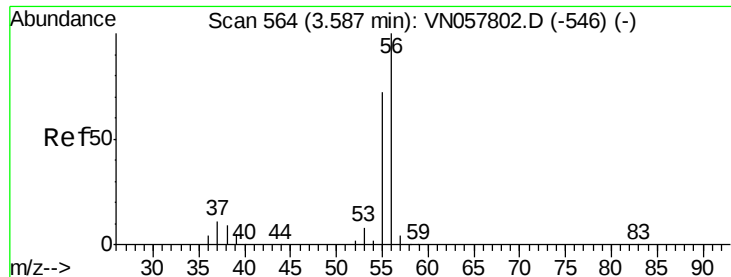


#12

1,1-Dichloroethene
 Concen: 48.132 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion: 96 Resp: 162595
 Ion Ratio Lower Upper
 96 100
 61 179.7 141.2 211.8
 98 63.1 49.9 74.9

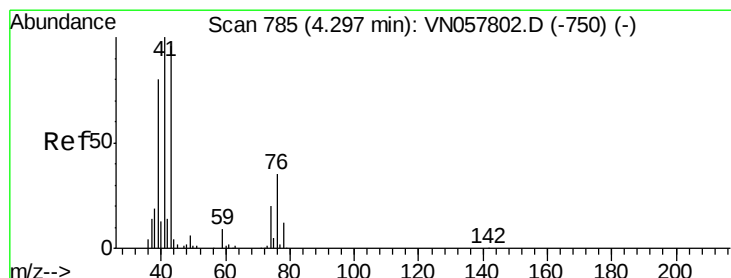
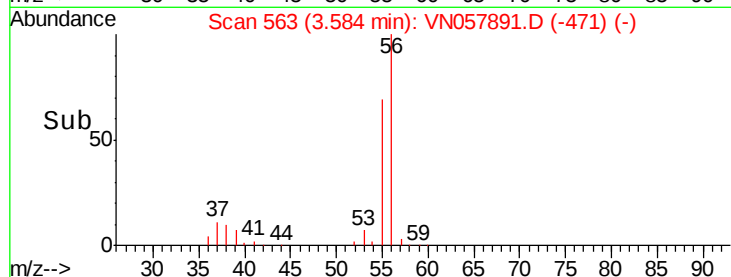
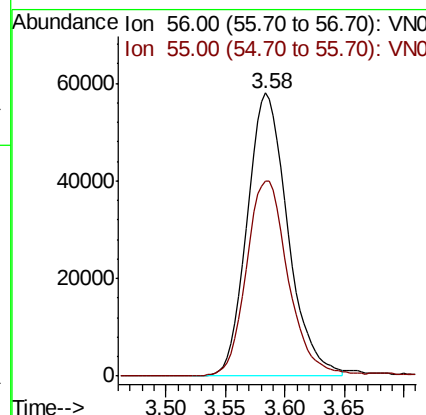
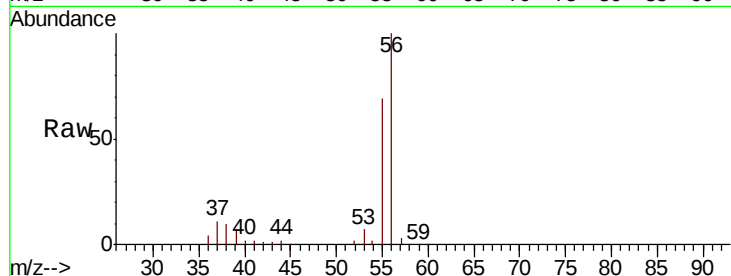




#13
 Acrolein
 Concen: 208.028 ug/l
 RT: 3.58 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

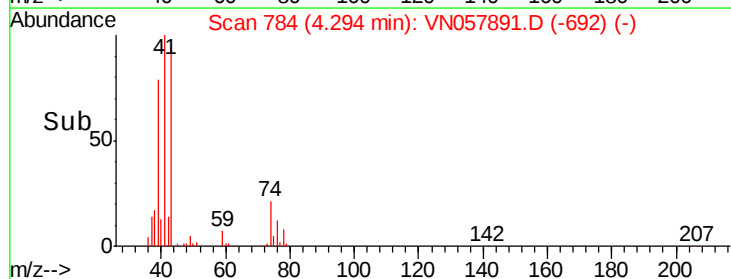
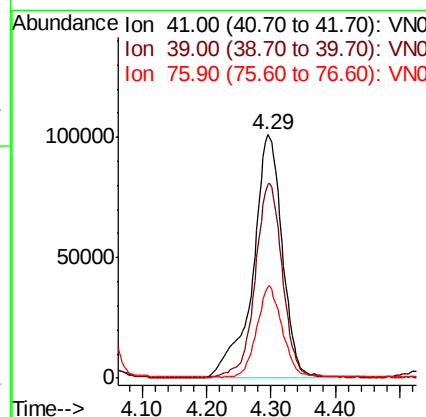
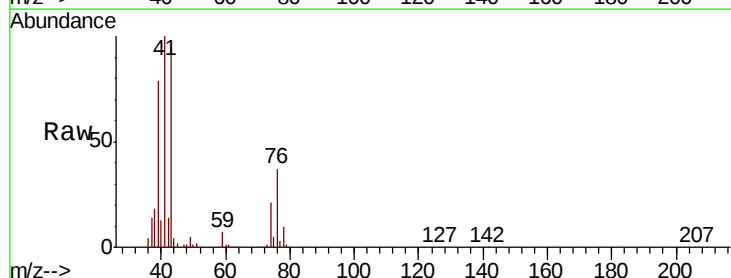
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MSD

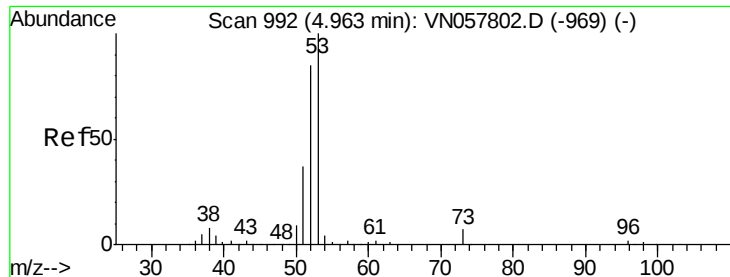
Tgt Ion: 56 Resp: 137257
 Ion Ratio Lower Upper
 56 100
 55 71.3 57.3 85.9



#14
 Allyl chloride
 Concen: 48.401 ug/l
 RT: 4.29 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion: 41 Resp: 319983
 Ion Ratio Lower Upper
 41 100
 39 74.4 59.4 89.2
 76 32.2 26.0 39.0





#15

Acrylonitrile

Concen: 268.111 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

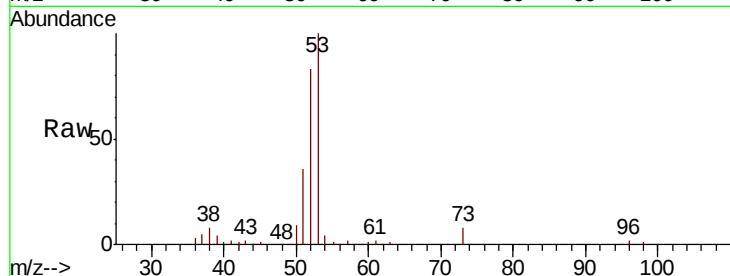
Tgt Ion: 53 Resp: 573114

Ion Ratio Lower Upper

53 100

52 83.1 66.6 100.0

51 37.2 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

200000

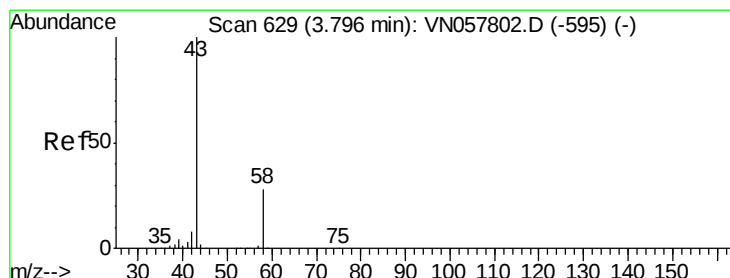
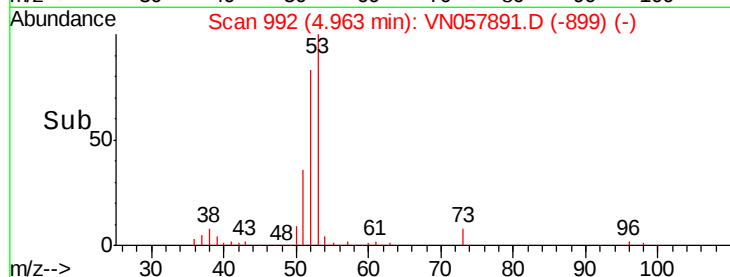
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 240.701 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057891.D

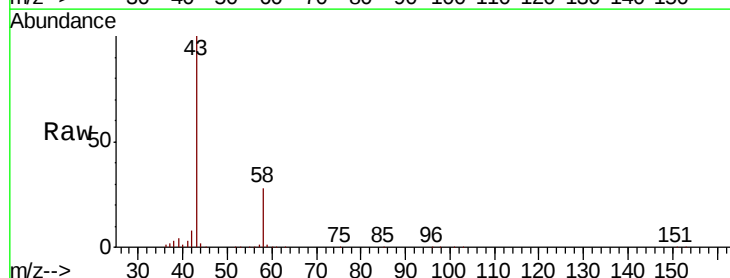
Acq: 11 Sep 2019 1:52

Tgt Ion: 43 Resp: 507021

Ion Ratio Lower Upper

43 100

58 28.5 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

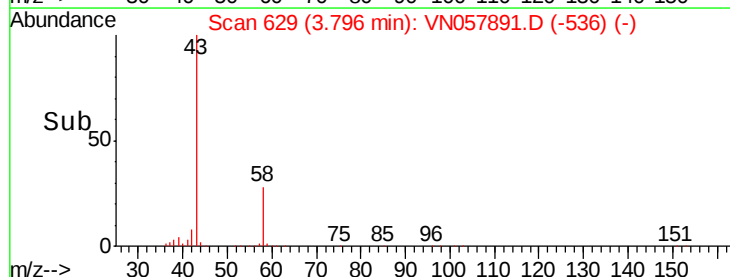
150000

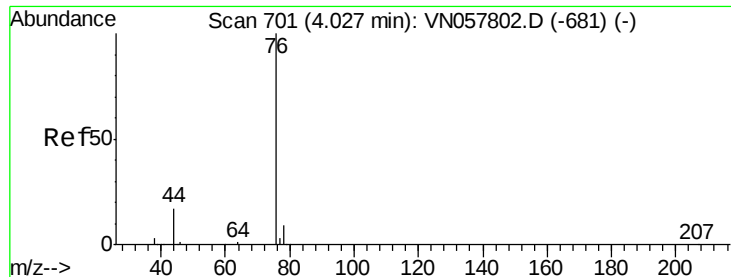
100000

50000

0

Time--> 3.70 3.80 3.90

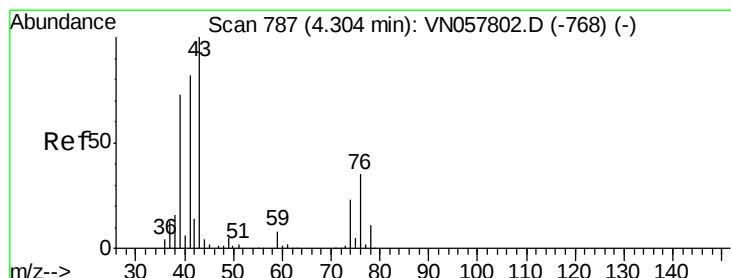
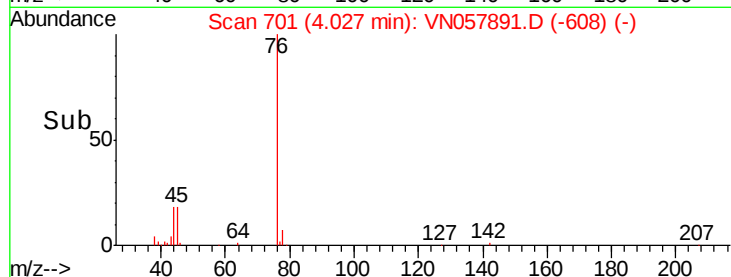
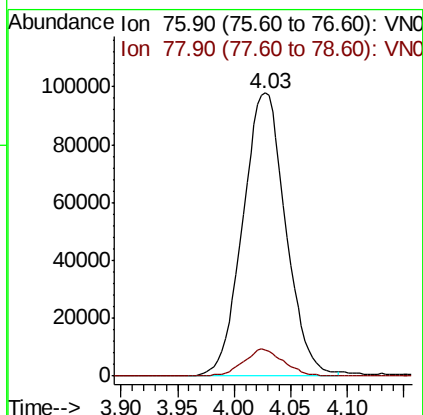
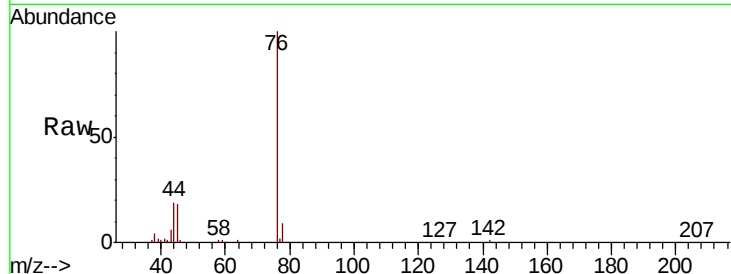




#17
Carbon Disulfide
Concen: 49.098 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

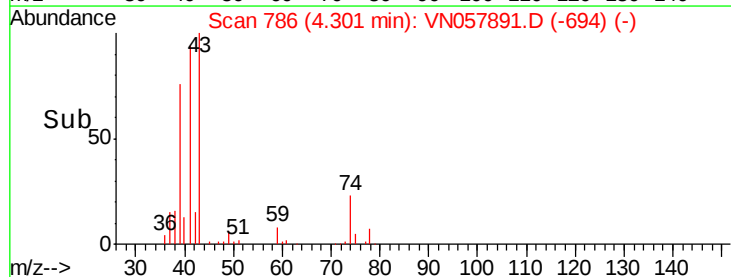
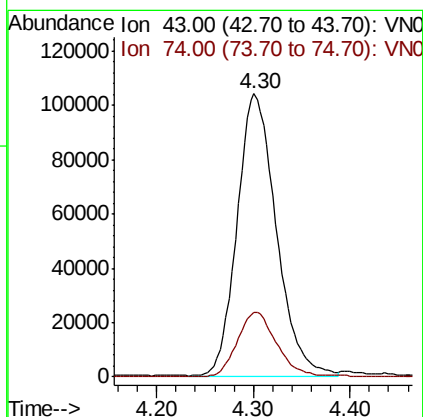
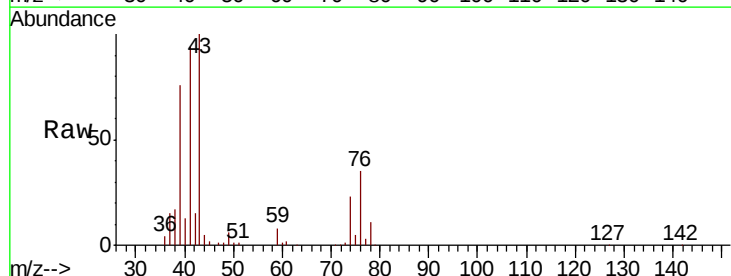
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MSD

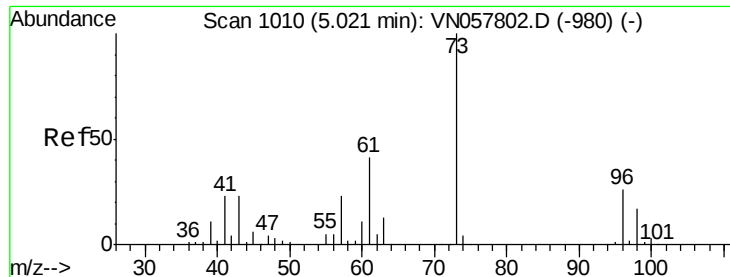
Tgt Ion: 76 Resp: 258129
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 52.096 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion: 43 Resp: 292593
Ion Ratio Lower Upper
43 100
74 22.8 17.9 26.9

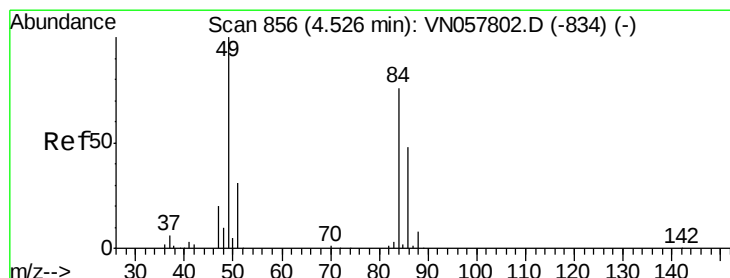
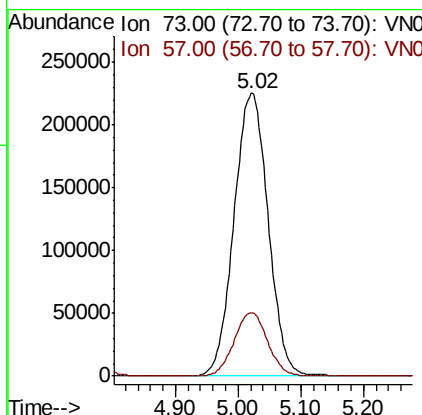
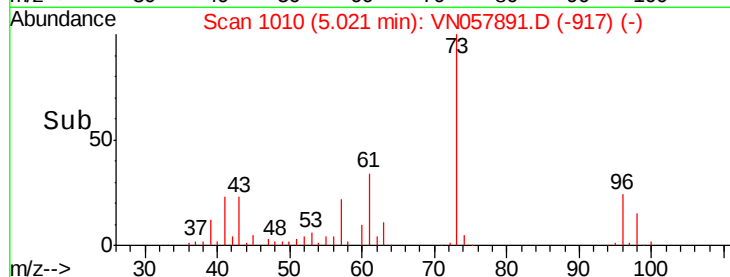
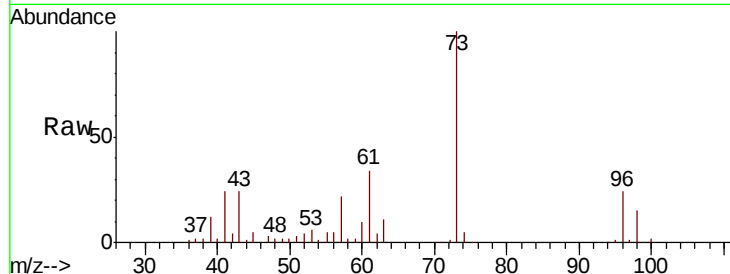




#19
Methyl tert-butyl Ether
Concen: 60.545 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

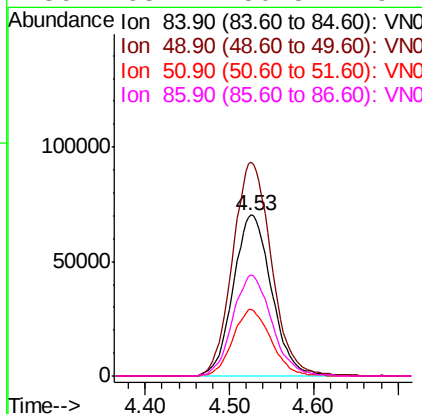
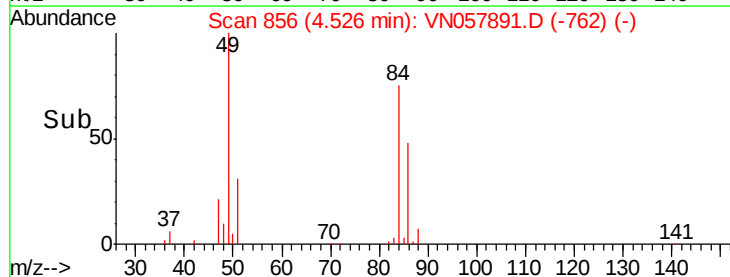
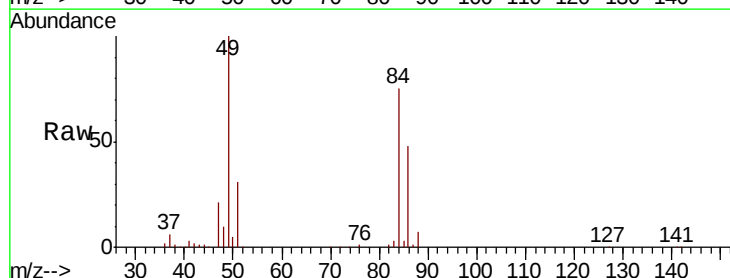
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MSD

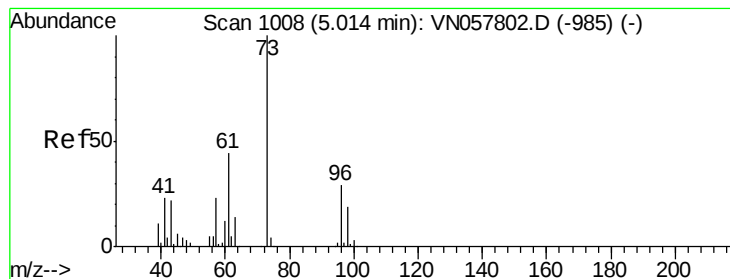
Tgt Ion: 73 Resp: 851183
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.2



#20
Methylene Chloride
Concen: 55.634 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion: 84 Resp: 222541
Ion Ratio Lower Upper
84 100
49 132.6 104.8 157.2
51 41.7 33.0 49.4
86 63.1 50.5 75.7



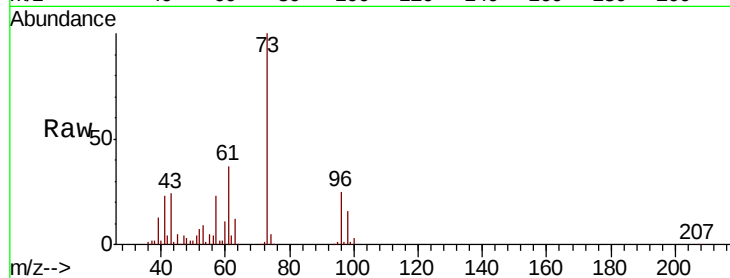


#21

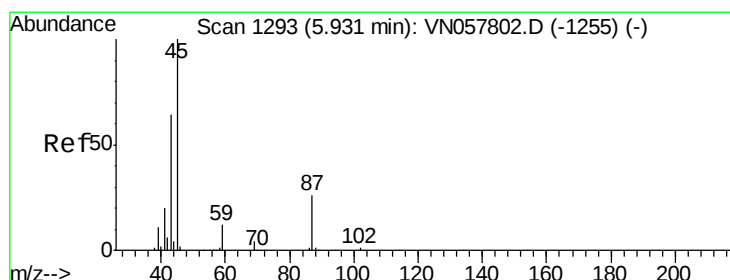
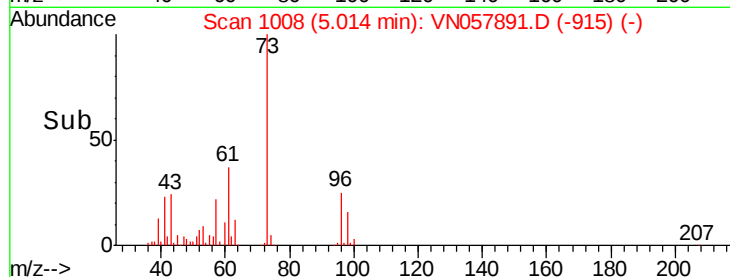
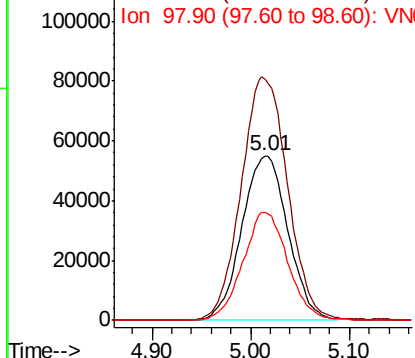
trans-1,2-Dichloroethene
Concen: 48.654 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion: 96 Resp: 177674
Ion Ratio Lower Upper
96 100
61 146.3 121.9 182.9
98 65.2 52.2 78.4



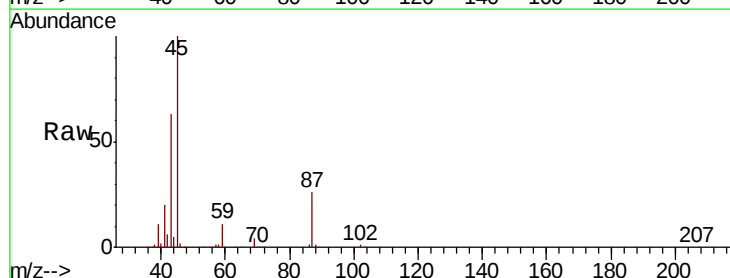
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



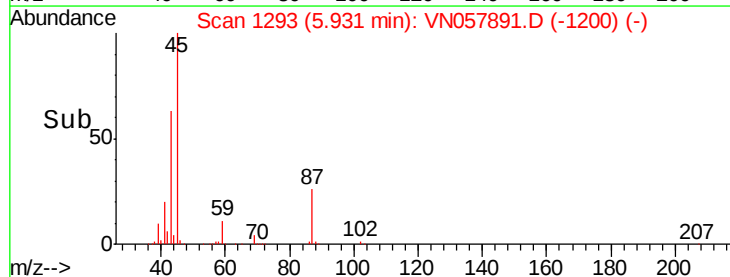
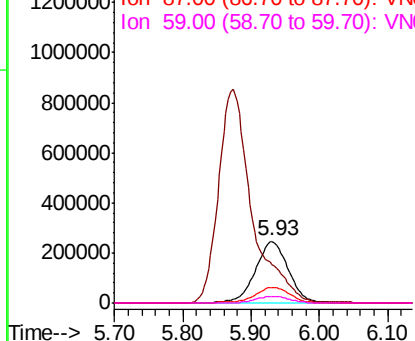
#22

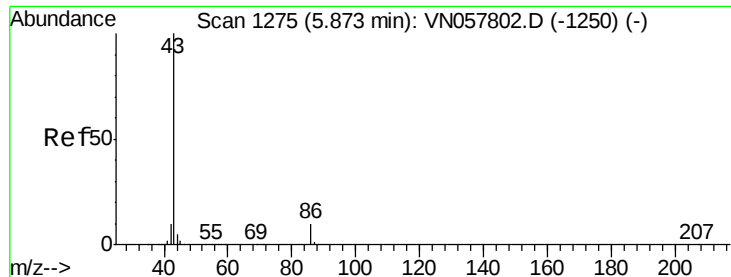
Diisopropyl ether
Concen: 53.191 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion: 45 Resp: 824650
Ion Ratio Lower Upper
45 100
43 62.5 51.4 77.2
87 25.6 21.3 31.9
59 11.3 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: 265.992 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

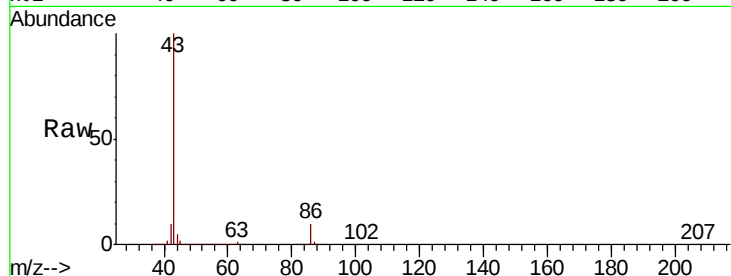
T11-MW-9-9.0-091019MSD

Tgt Ion: 43 Resp: 2922544

Ion Ratio Lower Upper

43 100

86 9.7 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

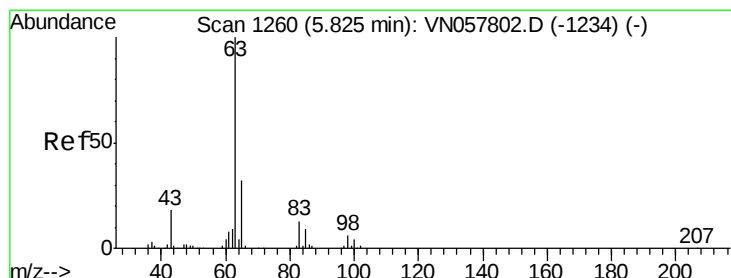
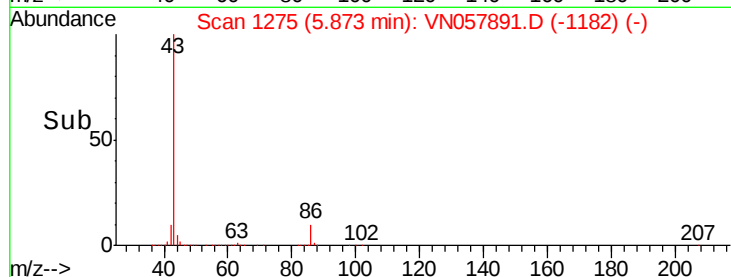
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.347 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

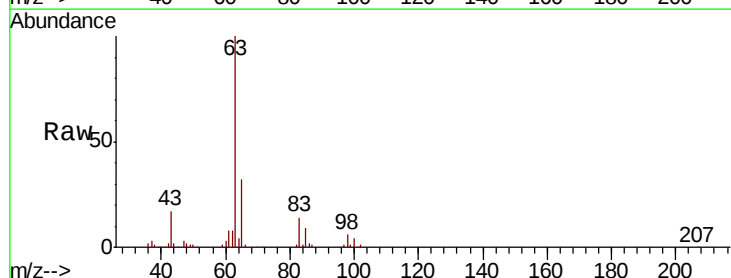
Tgt Ion: 63 Resp: 435067

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.8 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

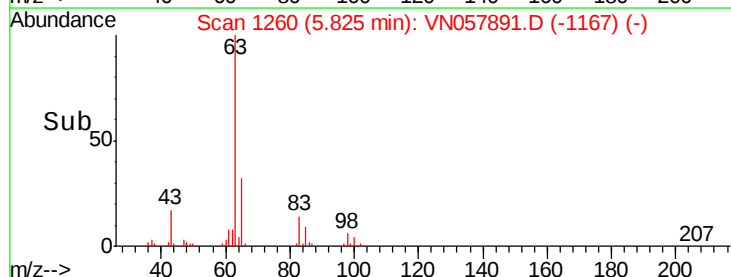
150000

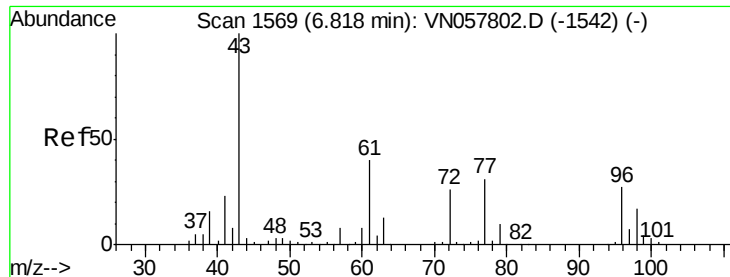
100000

50000

0

Time-->





#25

2-Butanone

Concen: 262.195 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

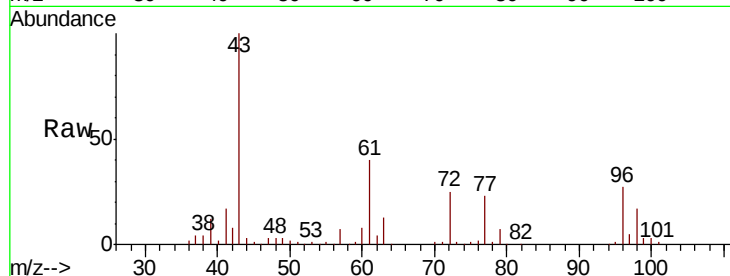
T11-MW-9-9.0-091019MSD

Tgt Ion: 43 Resp: 799369

Ion Ratio Lower Upper

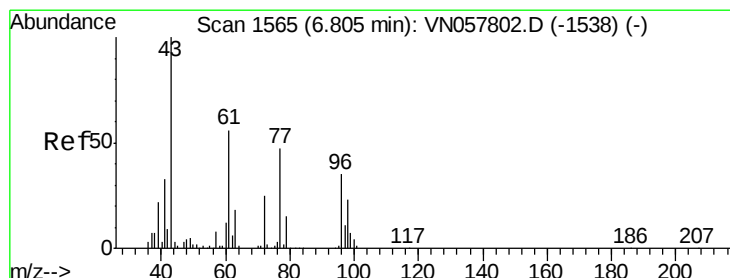
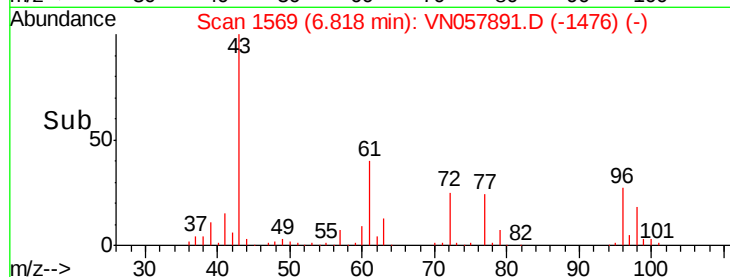
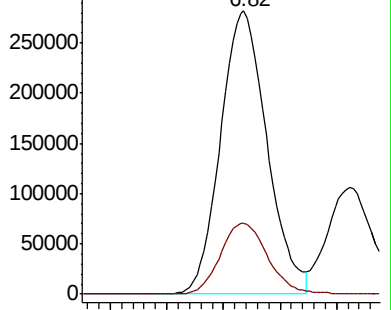
43 100

72 25.0 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1542) (-)

Ion 72.00 (71.70 to 72.70): VN057802.D (-1542) (-)



#26

2,2-Dichloropropane

Concen: 38.573 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057891.D

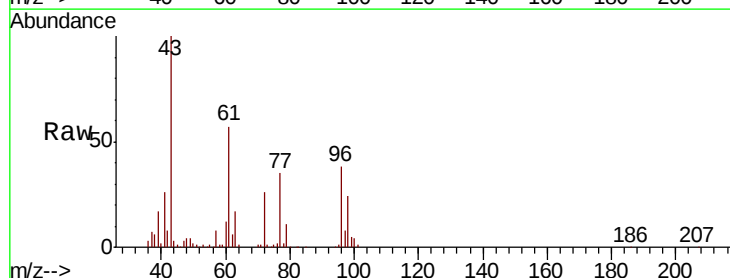
Acq: 11 Sep 2019 1:52

Tgt Ion: 77 Resp: 258651

Ion Ratio Lower Upper

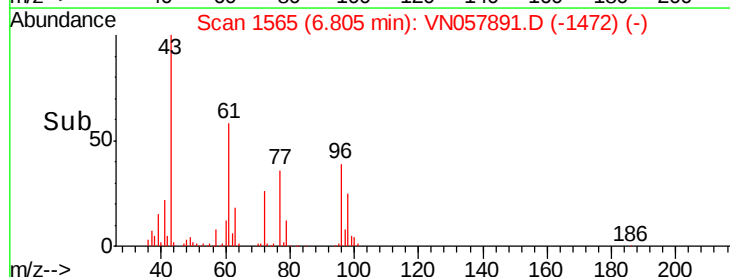
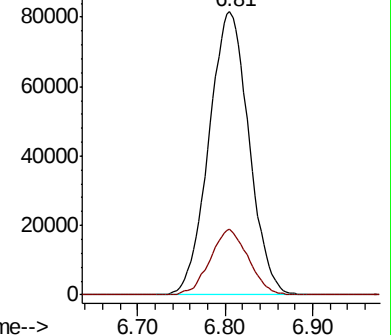
77 100

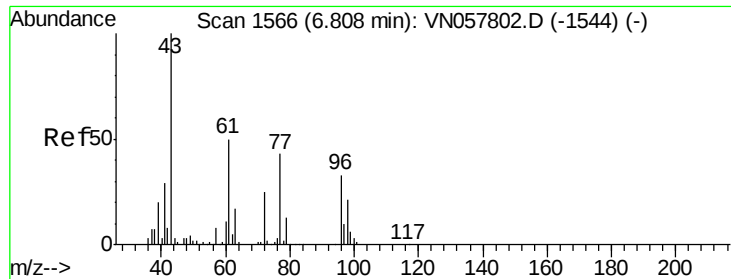
97 22.1 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN057802.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN057802.D (-1538) (-)

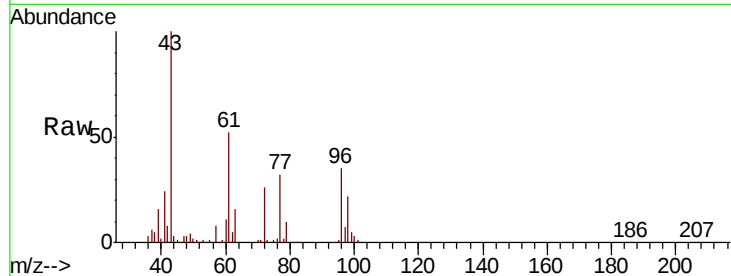




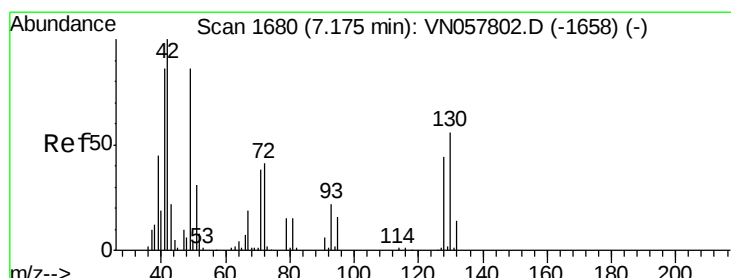
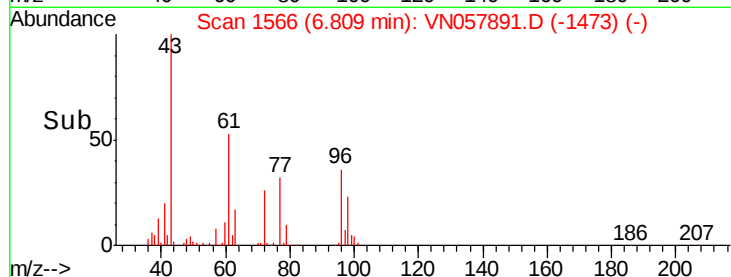
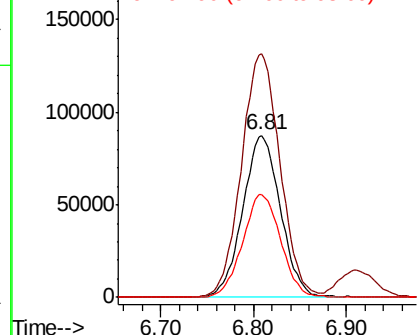
#27
 cis-1,2-Dichloroethene
 Concen: 50.612 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

Tgt Ion: 96 Resp: 247686
 Ion Ratio Lower Upper
 96 100
 61 153.5 0.0 314.0
 98 64.3 0.0 128.6

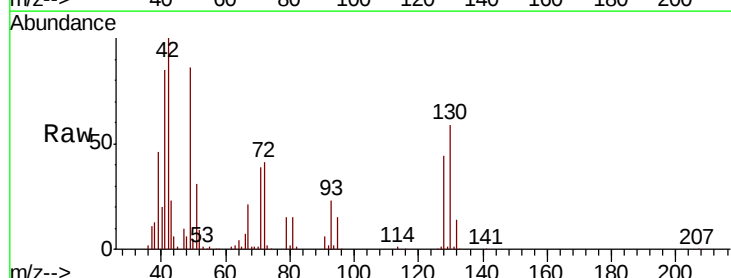


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

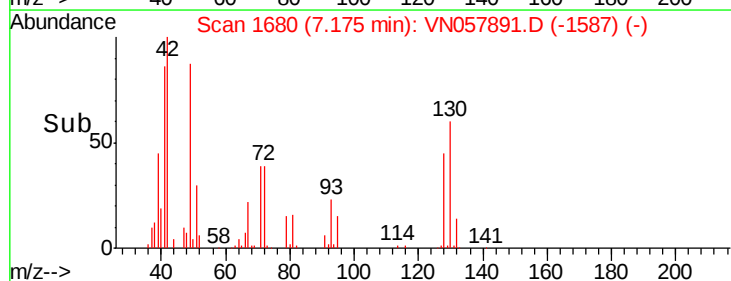
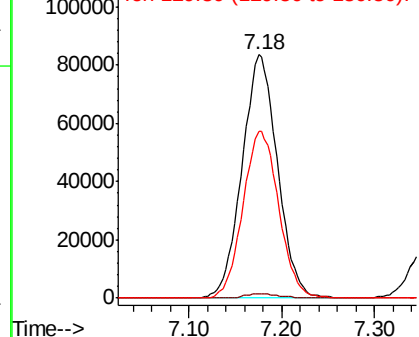


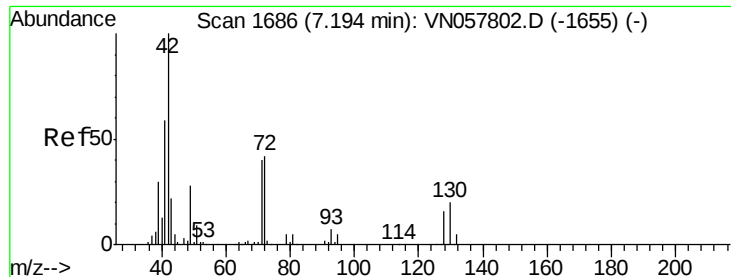
#28
 Bromochloromethane
 Concen: 52.344 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion: 49 Resp: 221575
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.8
 130 69.3 53.0 79.6



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

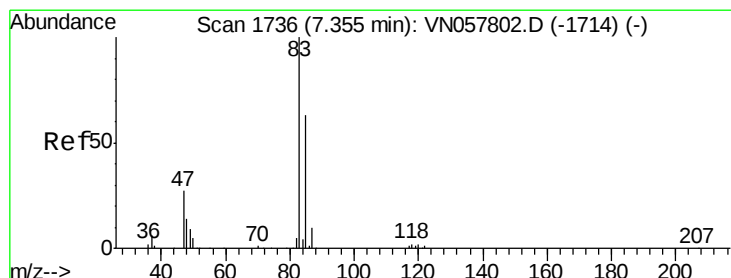
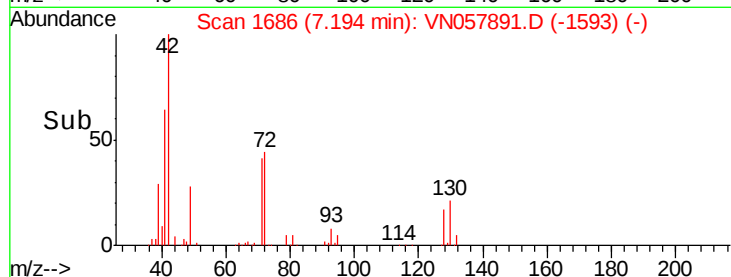
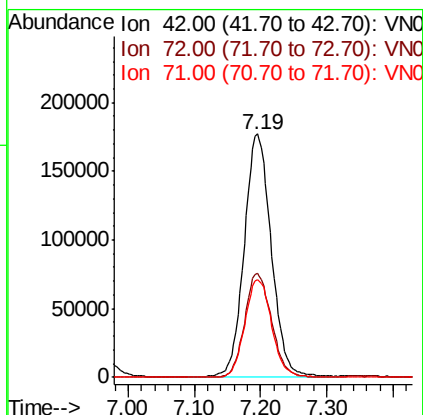
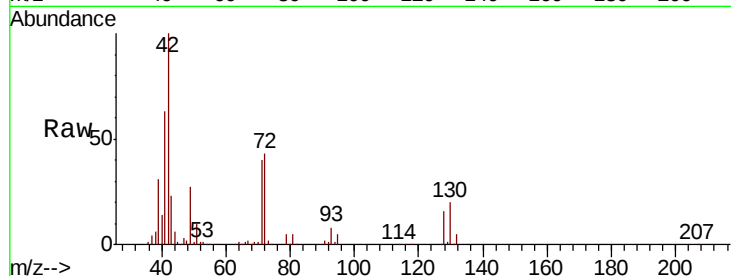




#29
Tetrahydrofuran
Concen: 267.251 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

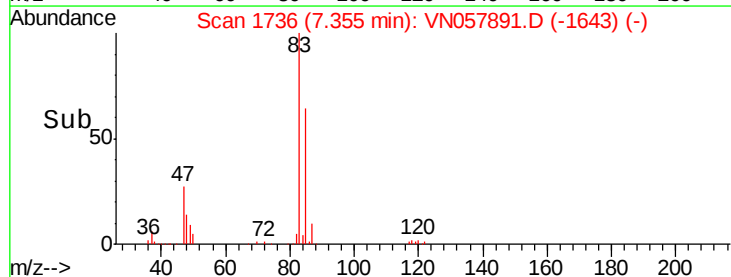
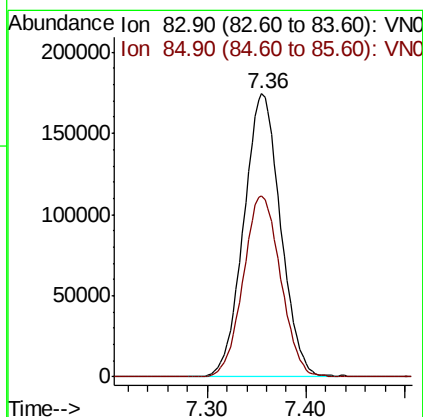
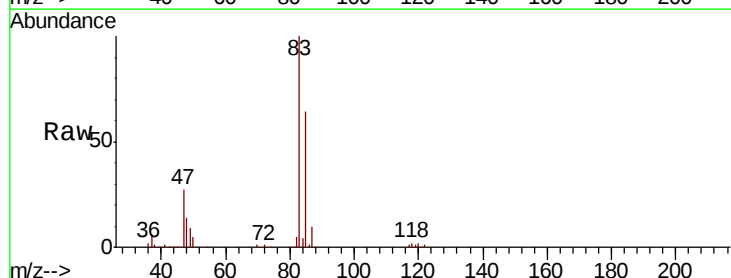
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MSD

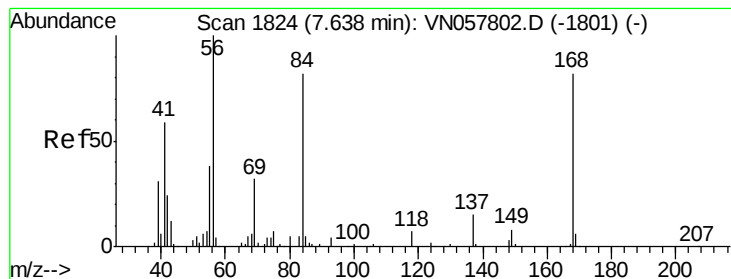
Tgt Ion: 42 Resp: 502073
Ion Ratio Lower Upper
42 100
72 42.4 33.7 50.5
71 39.6 31.9 47.9



#30
Chloroform
Concen: 50.732 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion: 83 Resp: 449452
Ion Ratio Lower Upper
83 100
85 63.9 50.6 75.8





#31

Cyclohexane

Concen: 47.973 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

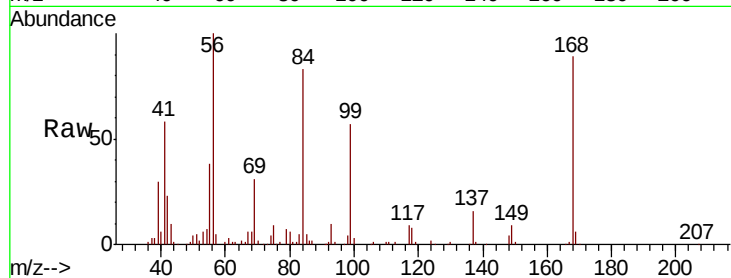
Tgt Ion: 56 Resp: 277523

Ion Ratio Lower Upper

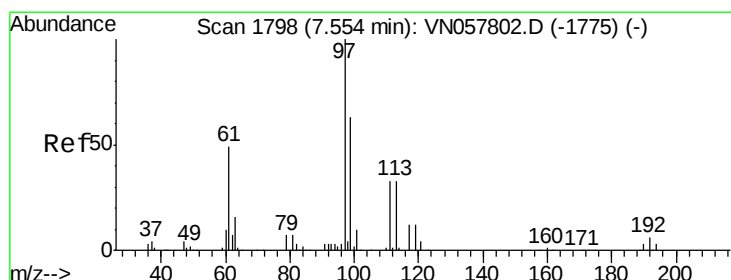
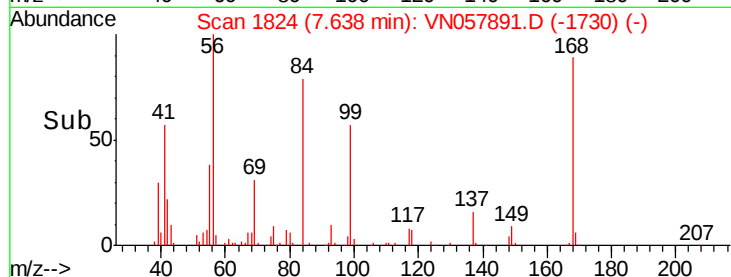
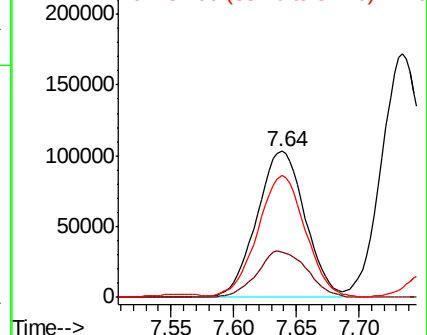
56 100

69 31.0 25.9 38.9

84 81.1 65.6 98.4



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



#32

1,1,1-Trichloroethane

Concen: 50.394 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

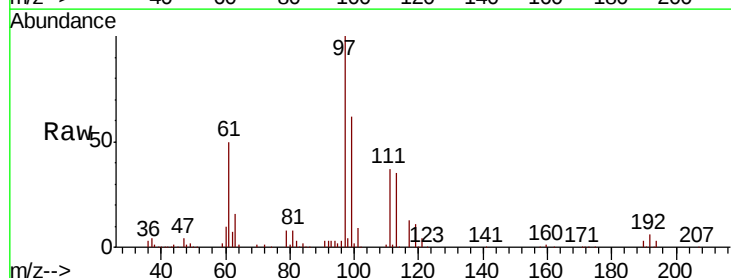
Tgt Ion: 97 Resp: 354089

Ion Ratio Lower Upper

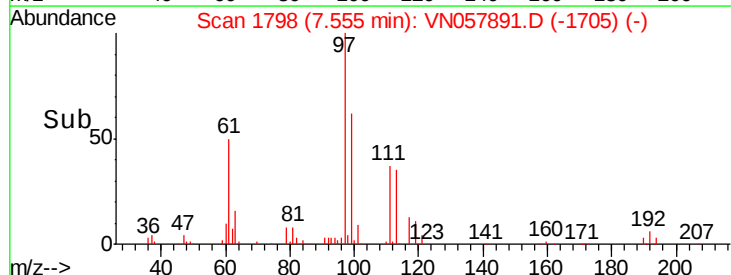
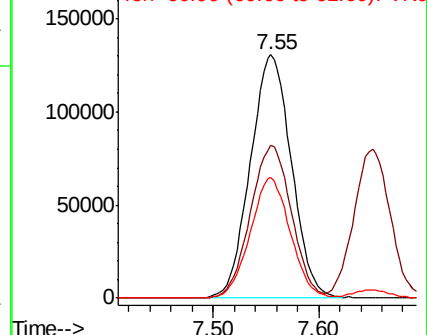
97 100

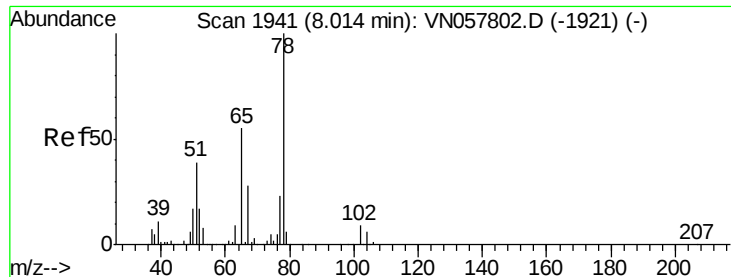
99 62.8 51.0 76.4

61 48.4 39.0 58.6



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

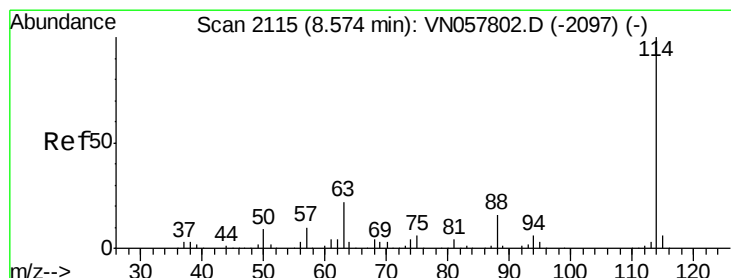
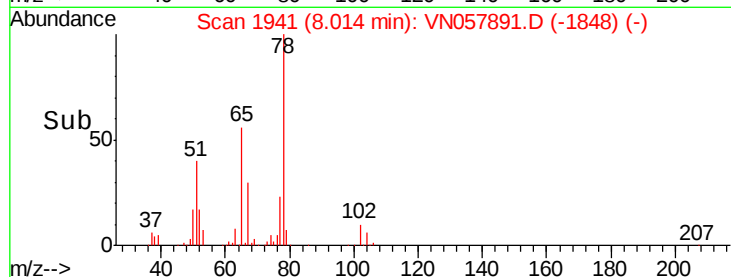
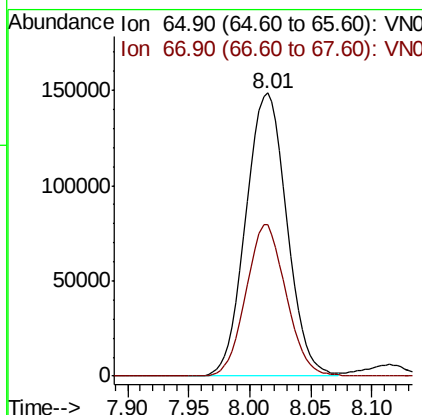
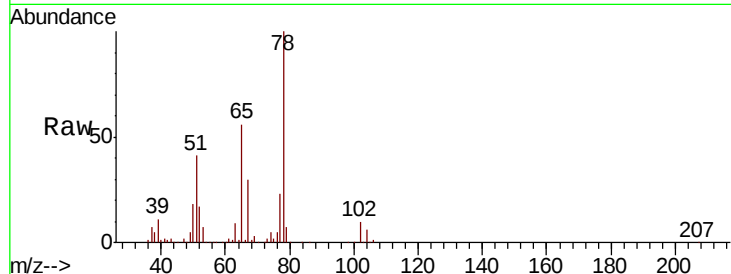




#33
 1,2-Dichloroethane-d4
 Concen: 53.870 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

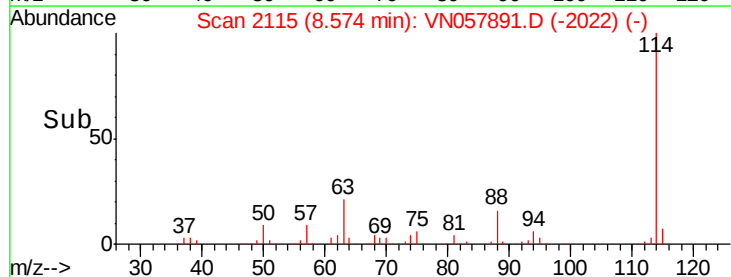
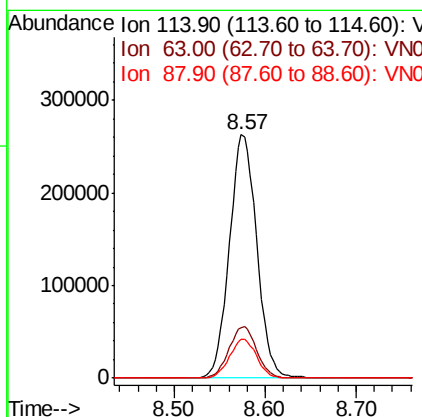
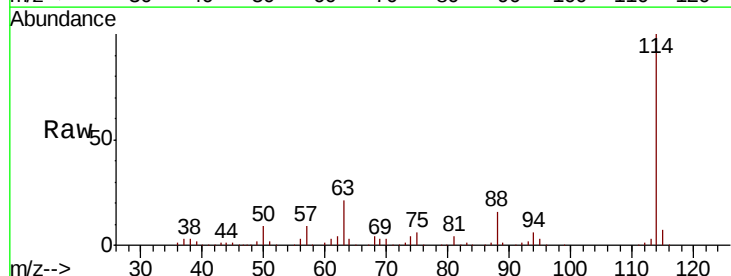
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MSD

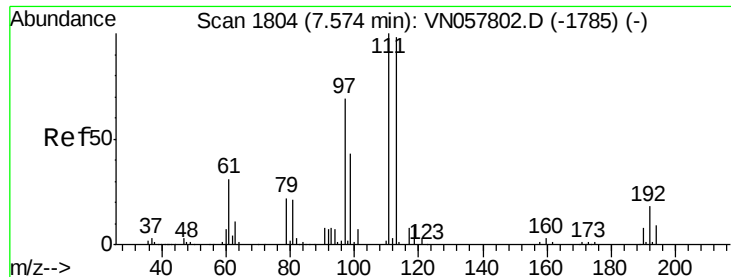
Tgt Ion: 65 Resp: 346148
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion: 114 Resp: 549368
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 44.0
 88 15.8 0.0 31.4

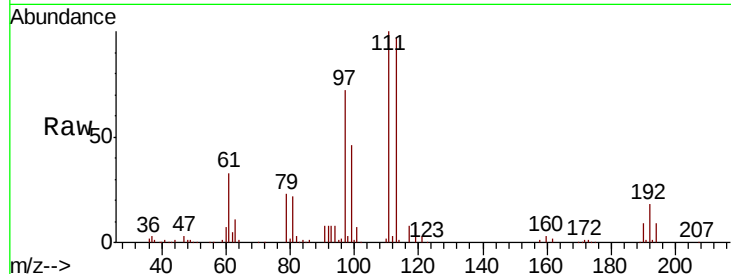




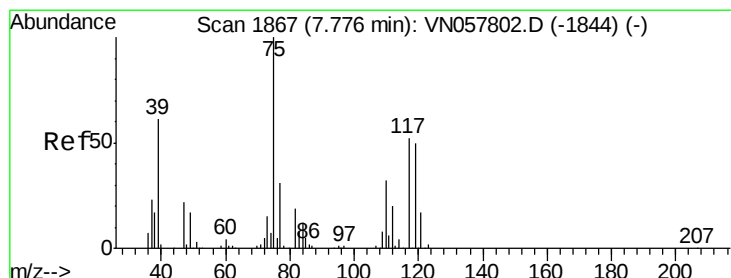
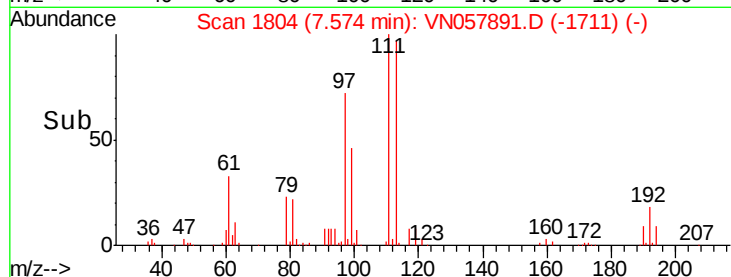
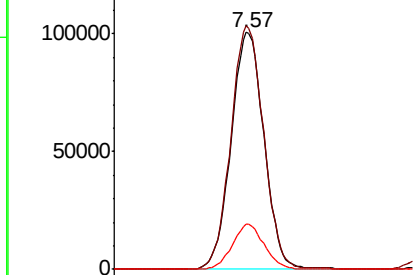
#35
 Dibromofluoromethane
 Concen: 50.732 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.3	121.9
192	18.4	14.6	22.0

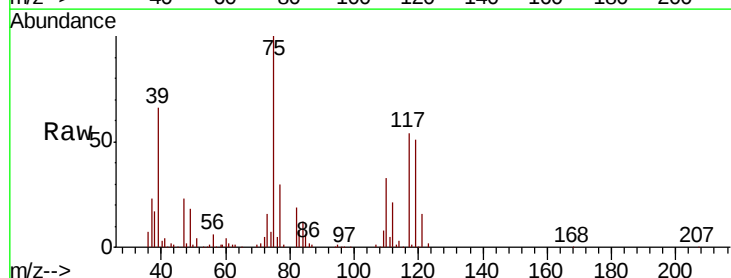


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

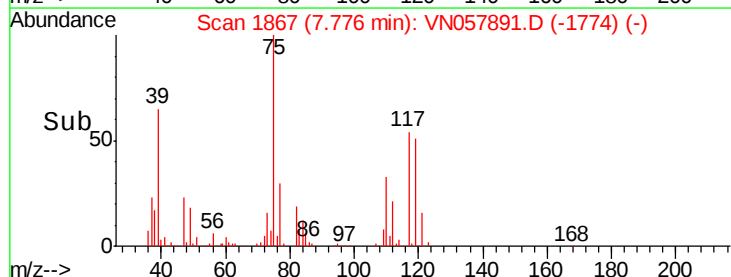
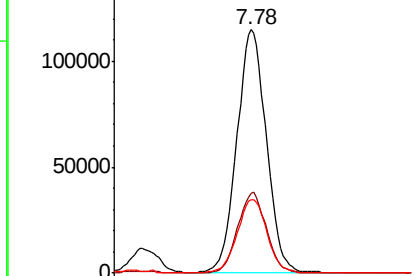


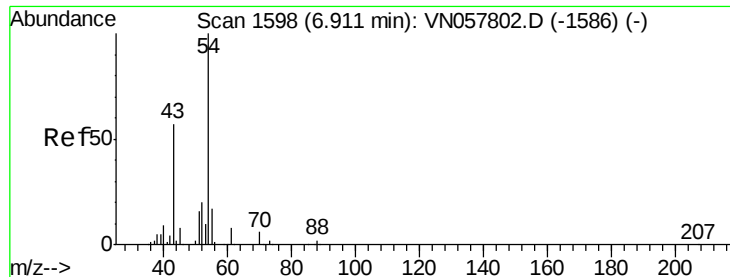
#36
 1,1-Dichloropropene
 Concen: 43.874 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.3	48.9
77	30.7	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

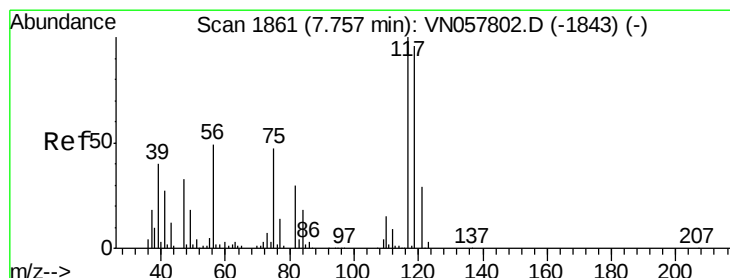
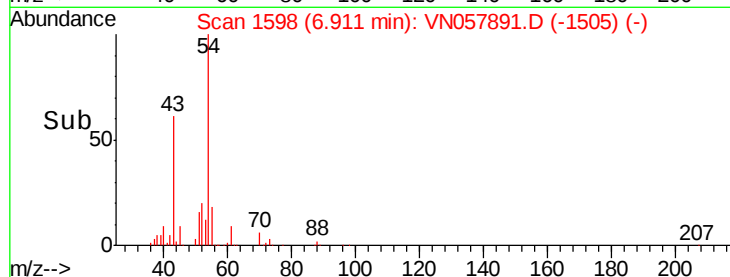
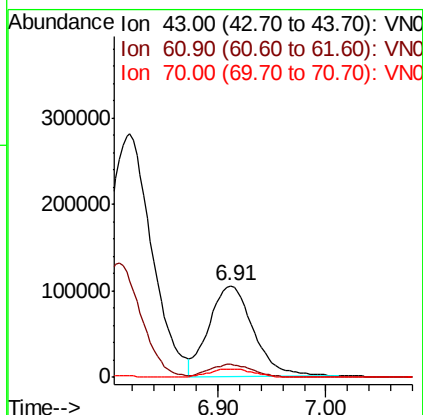
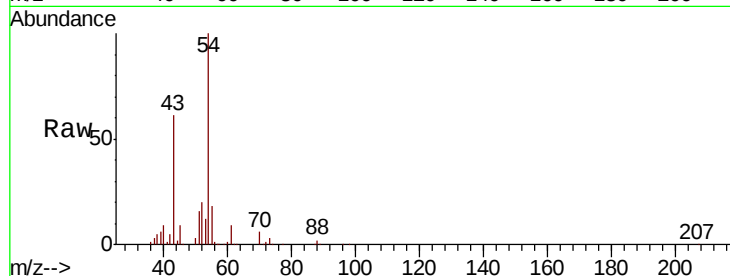




#37
Ethyl Acetate
Concen: 45.612 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

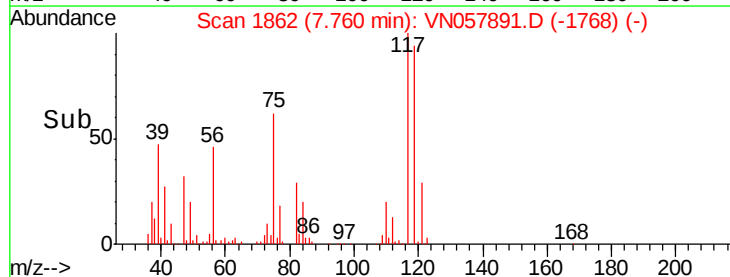
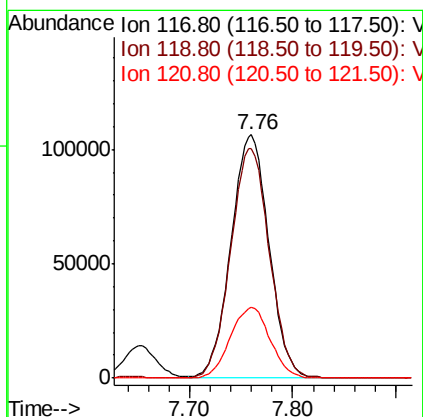
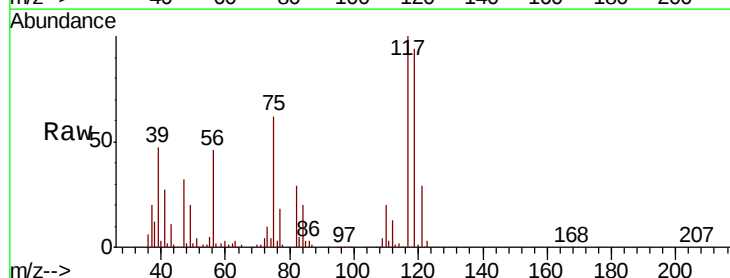
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MSD

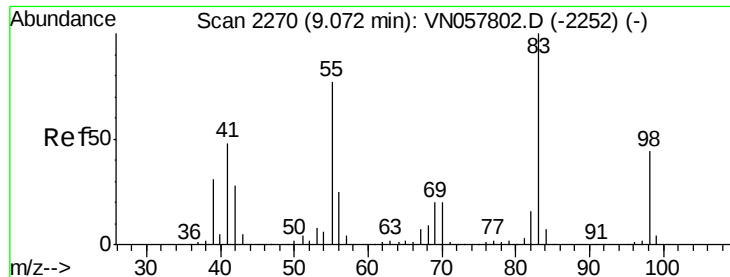
Tgt Ion: 43 Resp: 300246
Ion Ratio Lower Upper
43 100
61 13.8 10.5 15.7
70 9.6 7.4 11.0



#38
Carbon Tetrachloride
Concen: 46.744 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion: 117 Resp: 271906
Ion Ratio Lower Upper
117 100
119 94.0 76.9 115.3
121 29.1 23.4 35.2

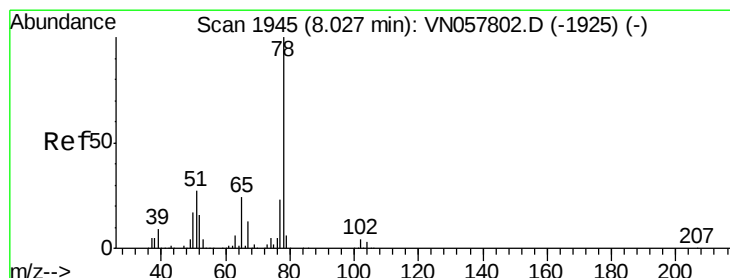
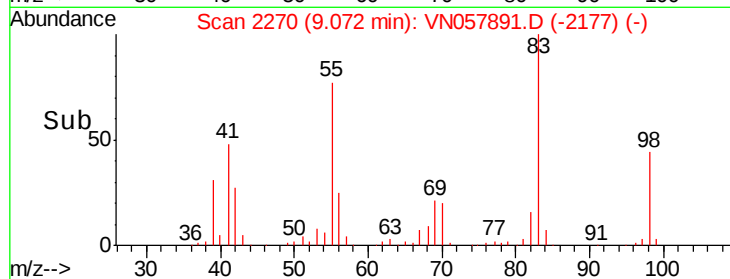
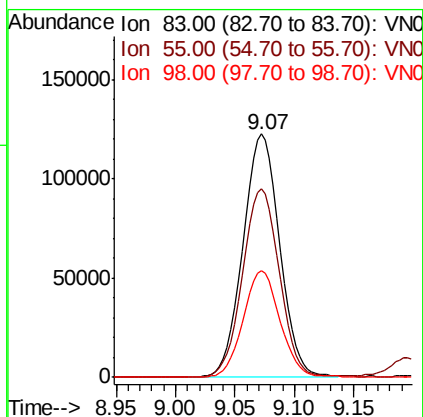
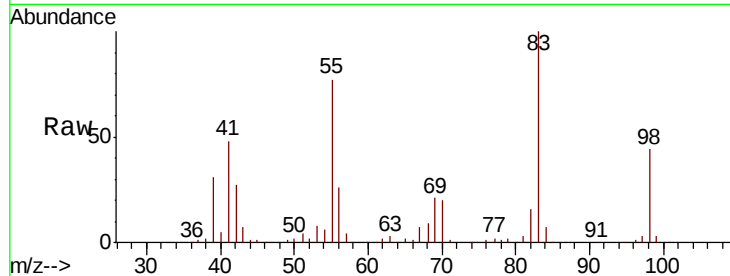




#39
Methylcyclohexane
Concen: 39.200 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

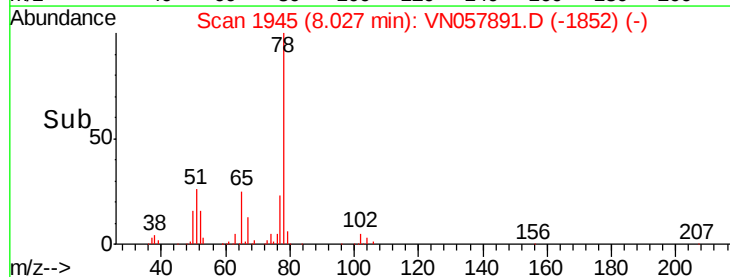
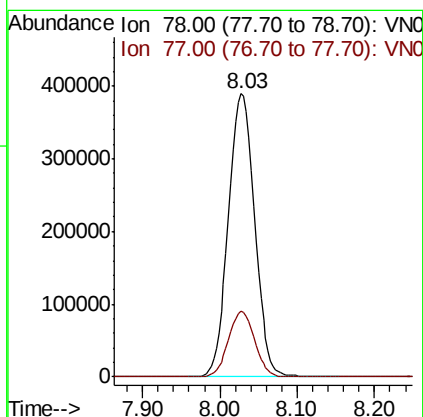
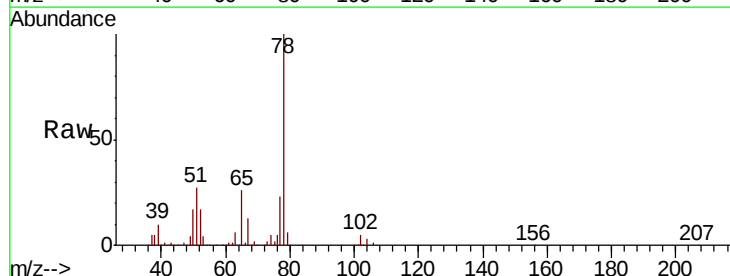
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MSD

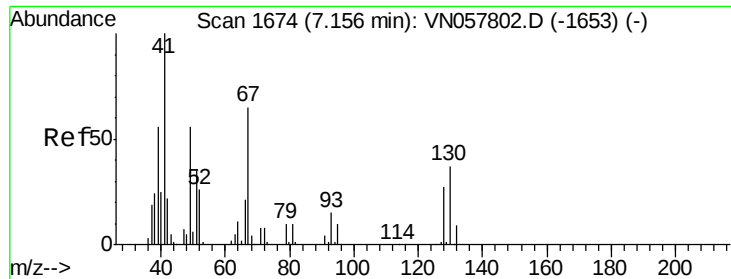
Tgt Ion: 83 Resp: 262547
Ion Ratio Lower Upper
83 100
55 77.5 61.6 92.4
98 43.8 34.9 52.3



#40
Benzene
Concen: 47.805 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion: 78 Resp: 916979
Ion Ratio Lower Upper
78 100
77 23.3 18.3 27.5





#41

Methacrylonitrile

Concen: 49.839 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion: 41 Resp: 148922

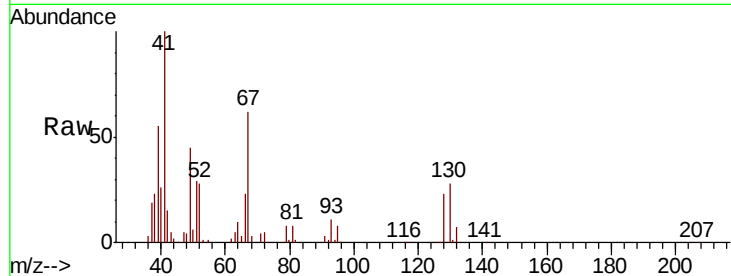
Ion Ratio Lower Upper

41 100

39 60.8 51.0 76.6

67 87.7 70.7 106.1

52 39.2 30.8 46.2

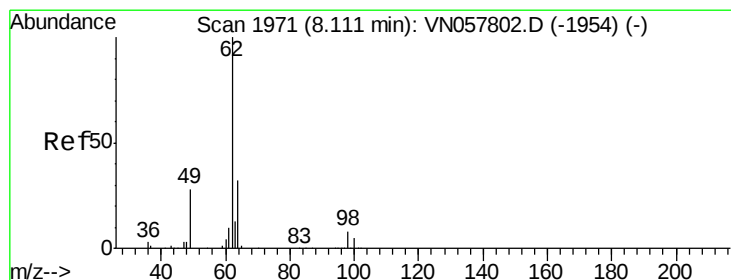
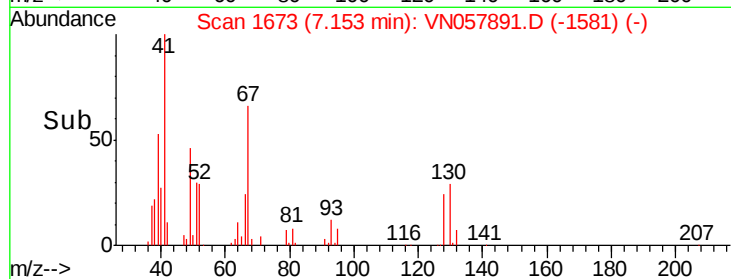
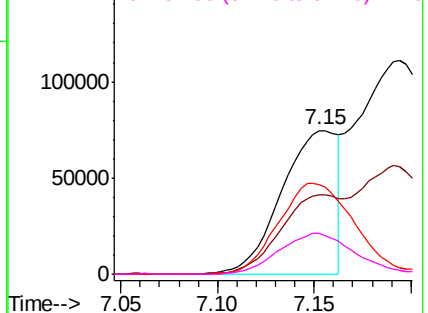


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 48.602 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN057891.D

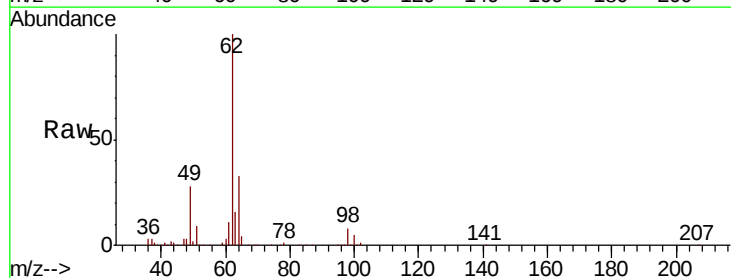
Acq: 11 Sep 2019 1:52

Tgt Ion: 62 Resp: 372845

Ion Ratio Lower Upper

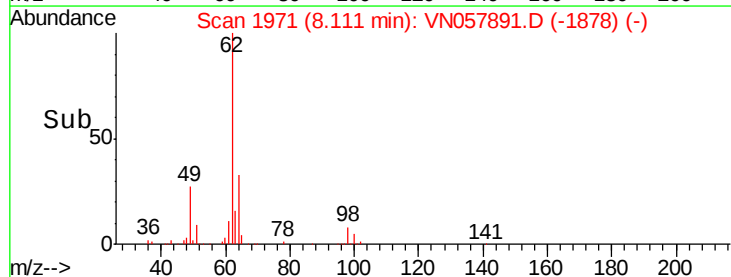
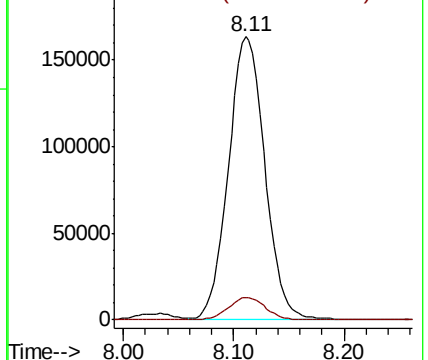
62 100

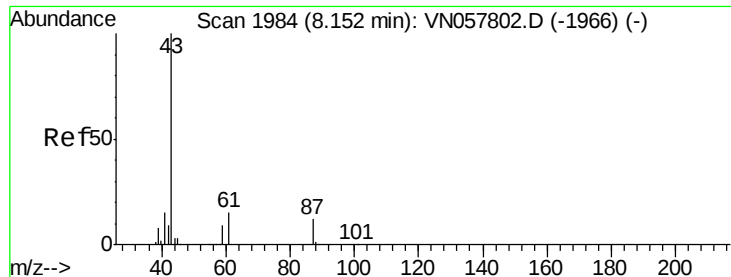
98 8.2 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

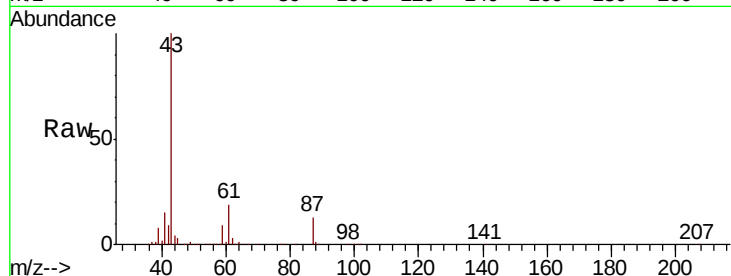




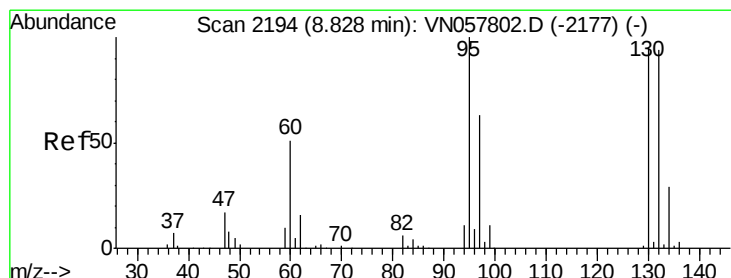
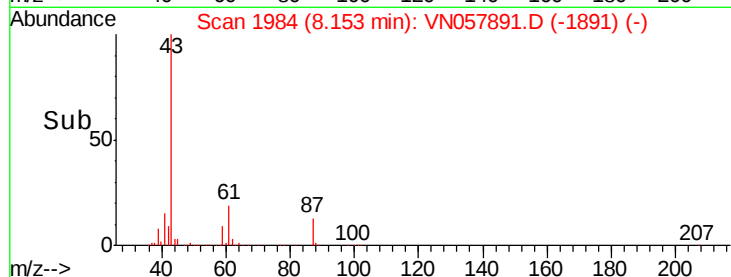
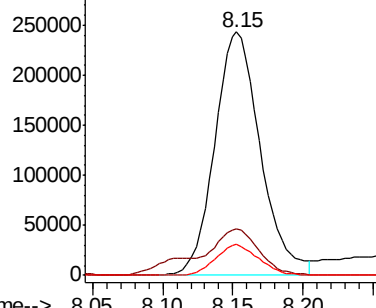
#43
Isopropyl Acetate
Concen: 49.414 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion: 43 Resp: 547009
Ion Ratio Lower Upper
43 100
61 25.3 20.1 30.1
87 12.1 9.5 14.3

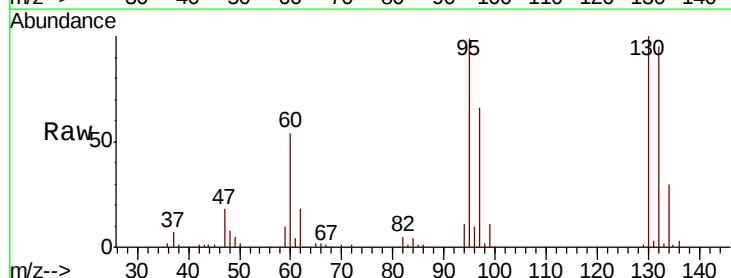


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

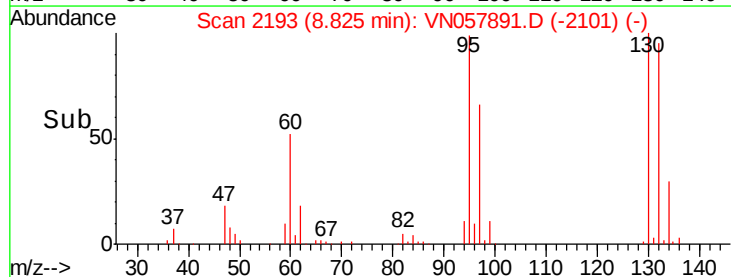
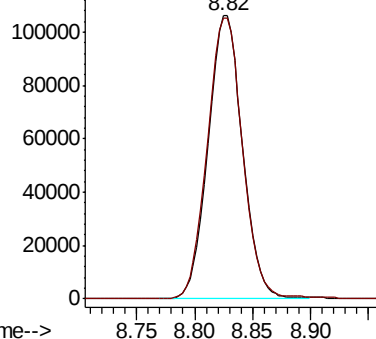


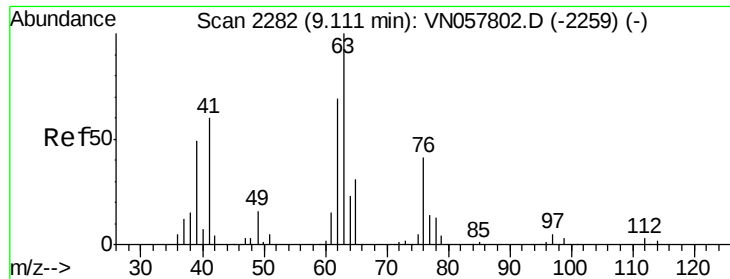
#44
Trichloroethene
Concen: 46.544 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion: 130 Resp: 218973
Ion Ratio Lower Upper
130 100
95 99.2 0.0 211.4



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

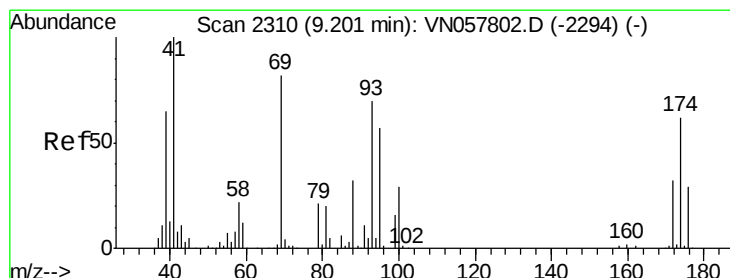
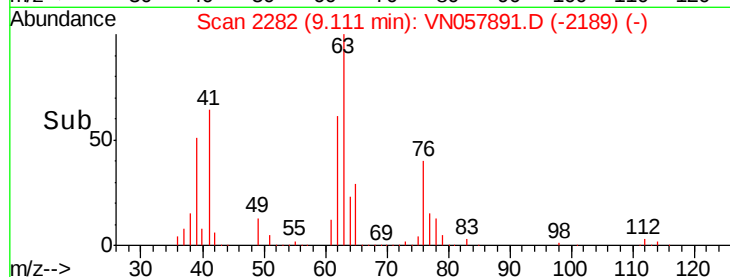
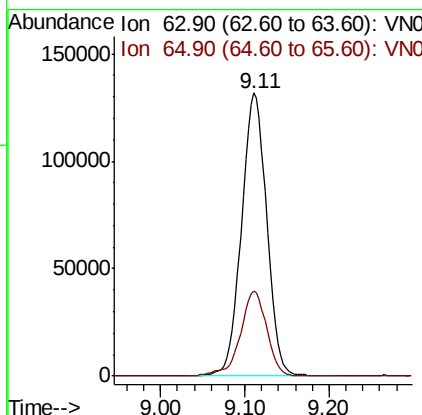
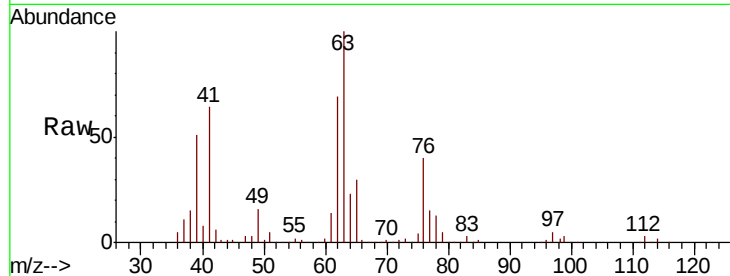




#45
 1,2-Dichloropropane
 Concen: 49.178 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

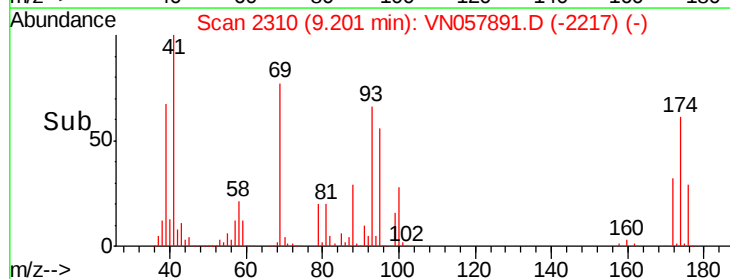
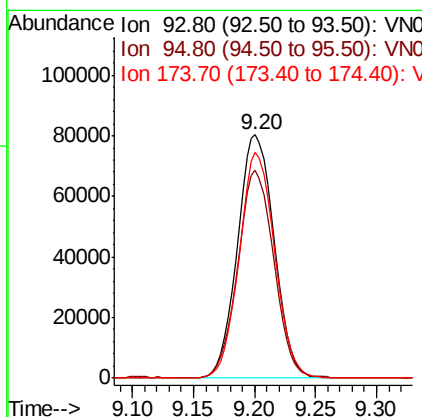
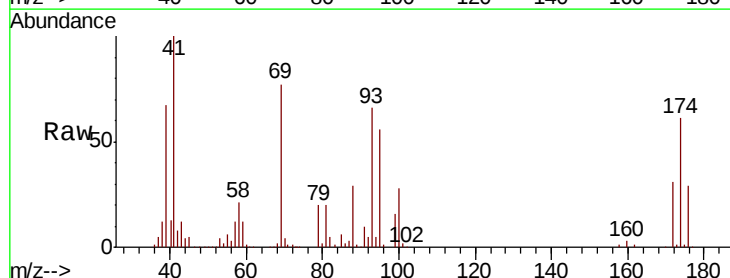
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MSD

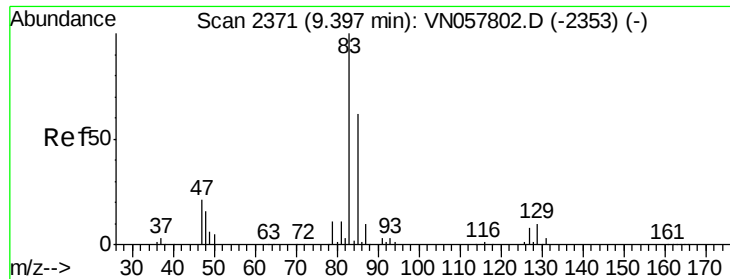
Tgt Ion: 63 Resp: 274489
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.8 37.2



#46
 Dibromomethane
 Concen: 49.456 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion: 93 Resp: 166806
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.9 98.9
 174 89.7 71.8 107.6

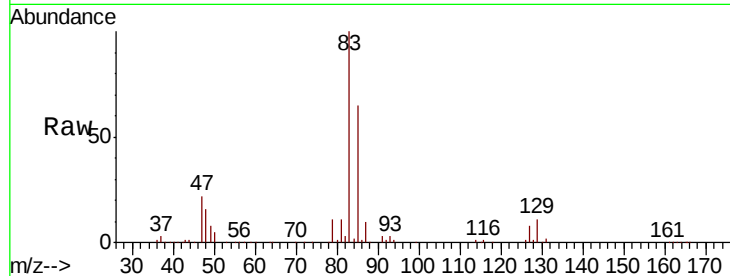




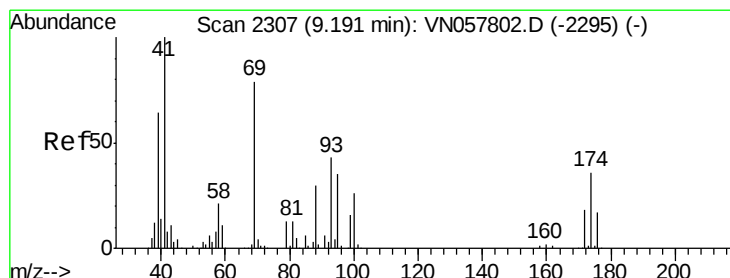
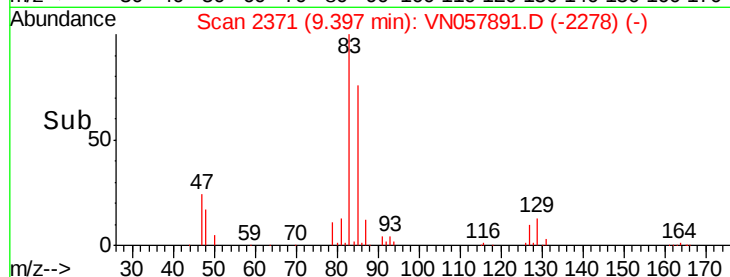
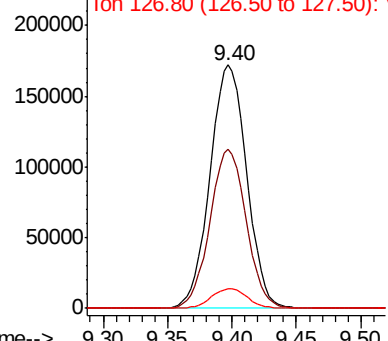
#47
Bromodichloromethane
Concen: 50.619 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	49.9	74.9
127	8.2	6.5	9.7

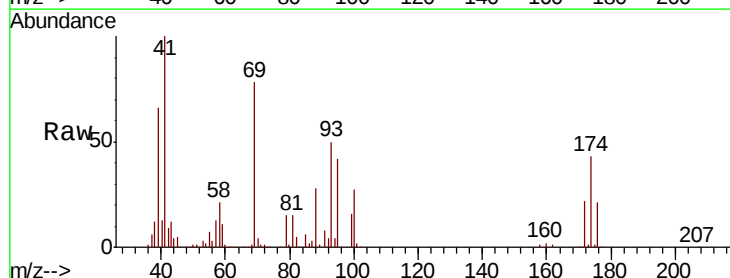


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

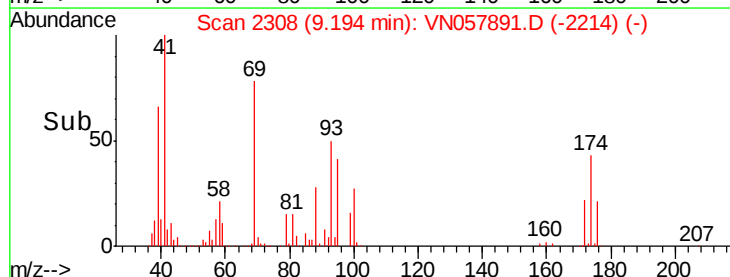
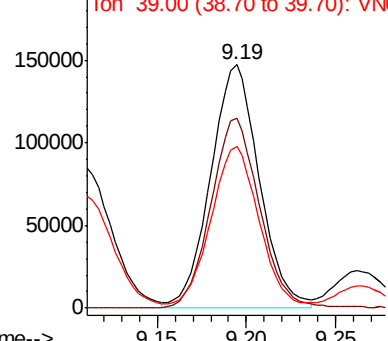


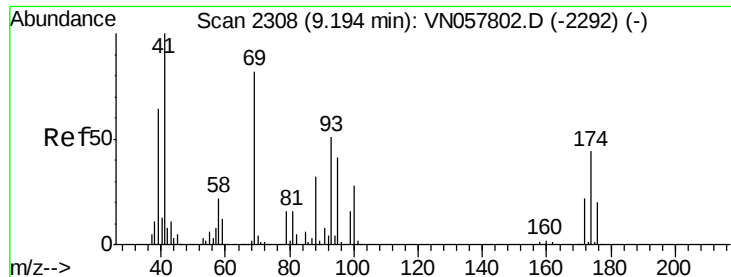
#48
Methyl methacrylate
Concen: 49.667 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.4	62.7	94.1
39	66.3	52.7	79.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

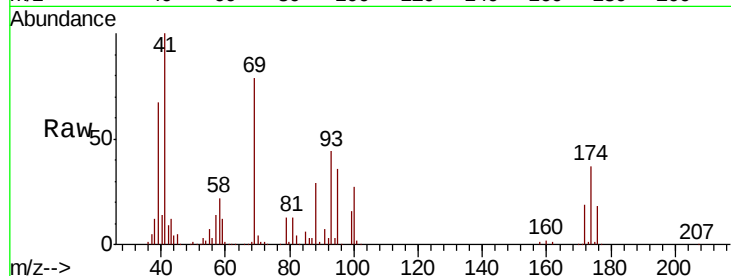




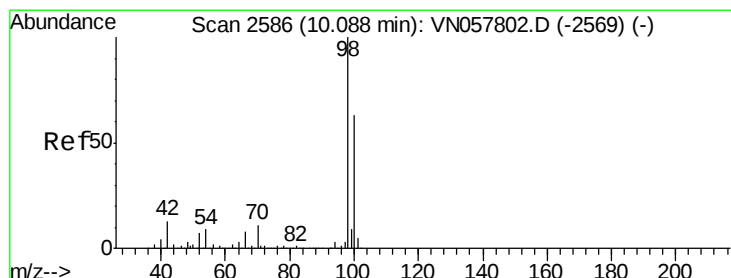
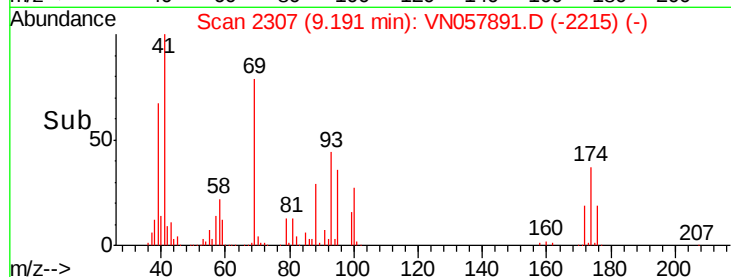
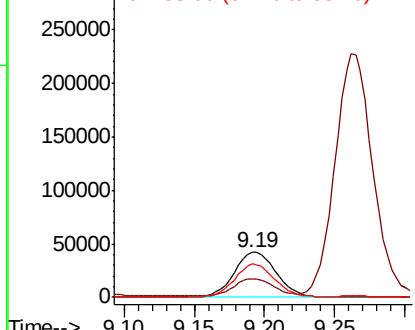
#49
 1,4-Dioxane
 Concen: 927.446 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

Tgt Ion: 88 Resp: 88071
 Ion Ratio Lower Upper
 88 100
 43 34.7 28.5 42.7
 58 71.3 55.8 83.6

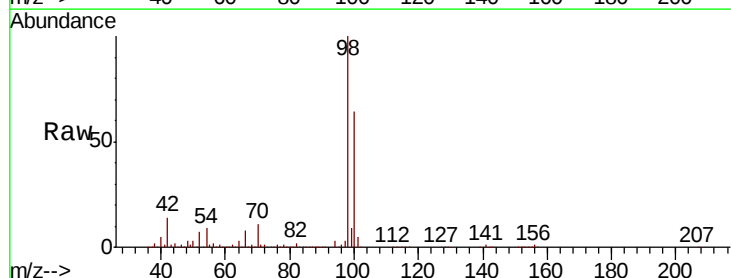


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

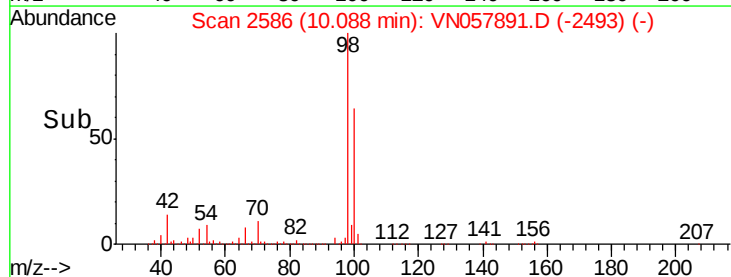
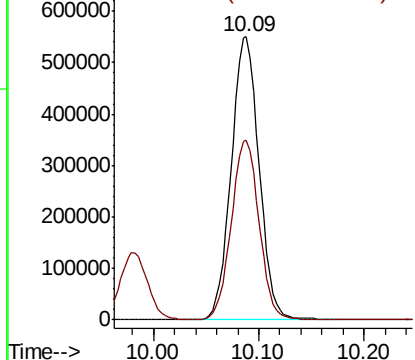


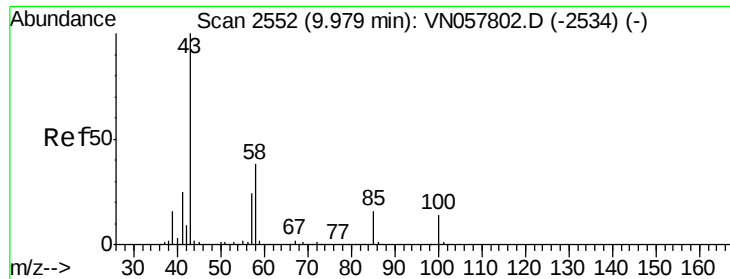
#50
 Toluene-d8
 Concen: 51.089 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion: 98 Resp: 1005757
 Ion Ratio Lower Upper
 98 100
 100 63.3 50.3 75.5



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

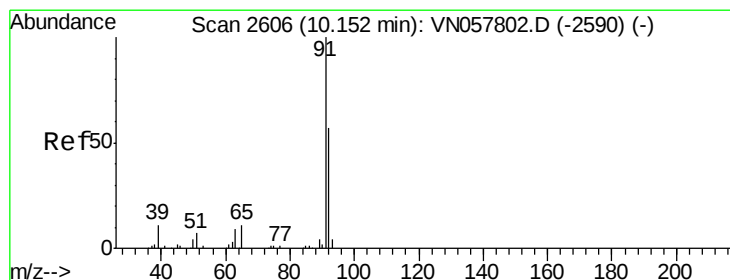
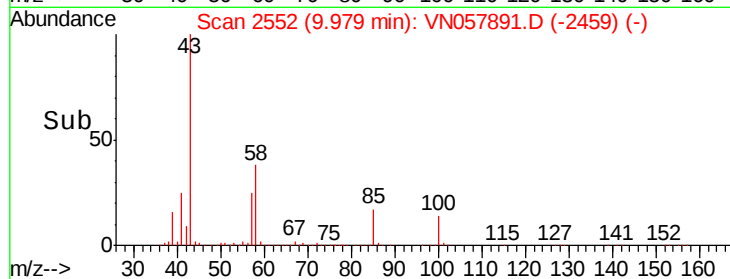
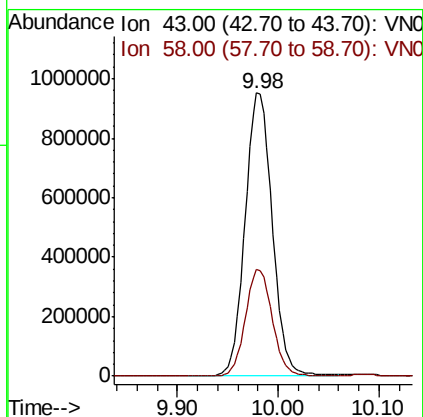
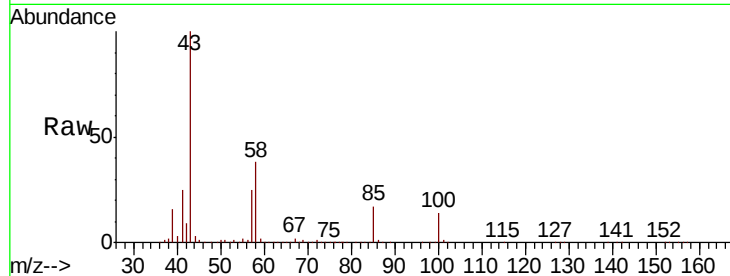




#51
 4-Methyl-2-Pentanone
 Concen: 268.855 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

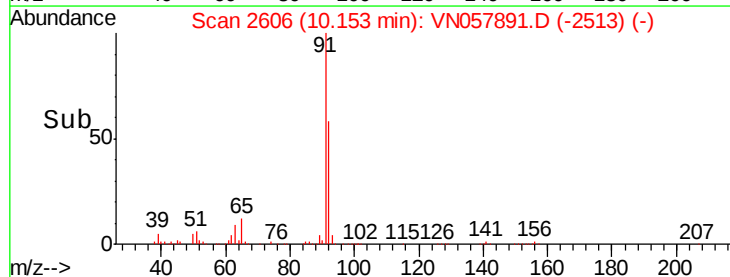
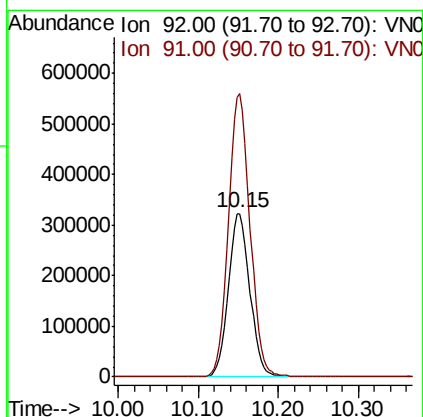
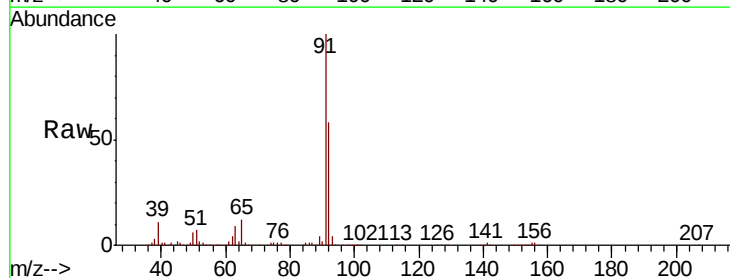
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MSD

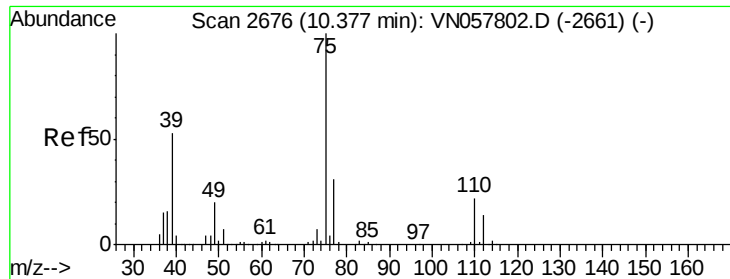
Tgt Ion: 43 Resp: 1761217
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.8 44.6



#52
 Toluene
 Concen: 48.820 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion: 92 Resp: 589805
 Ion Ratio Lower Upper
 92 100
 91 174.0 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 50.023 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

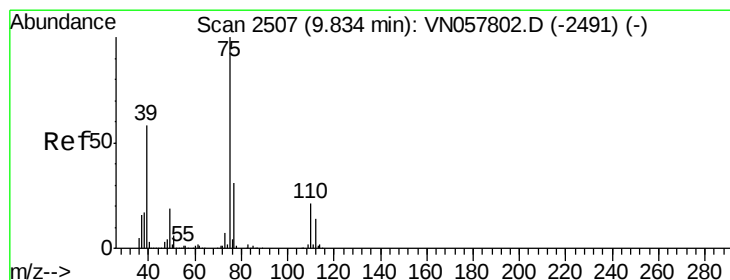
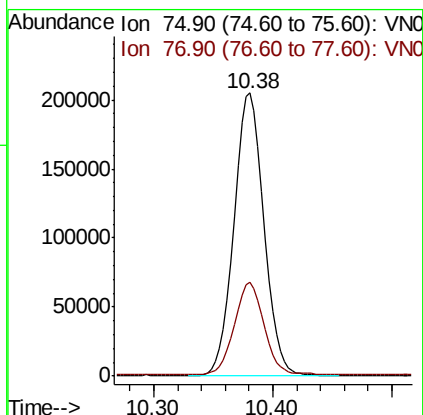
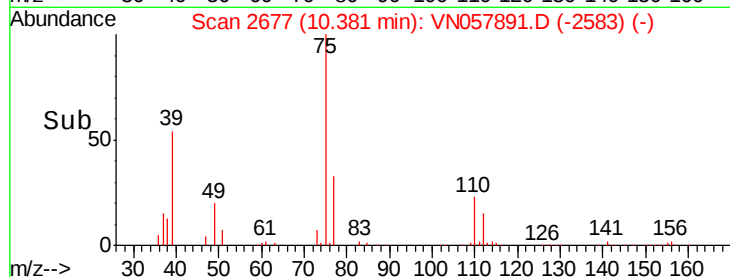
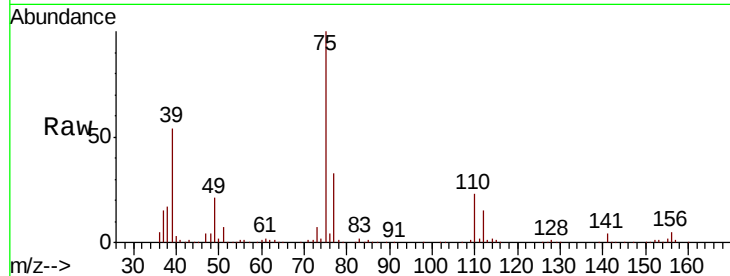
T11-MW-9-9.0-091019MSD

Tgt Ion: 75 Resp: 354792

Ion Ratio Lower Upper

75 100

77 32.4 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 48.991 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

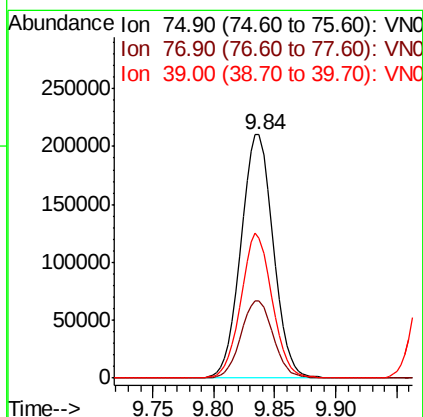
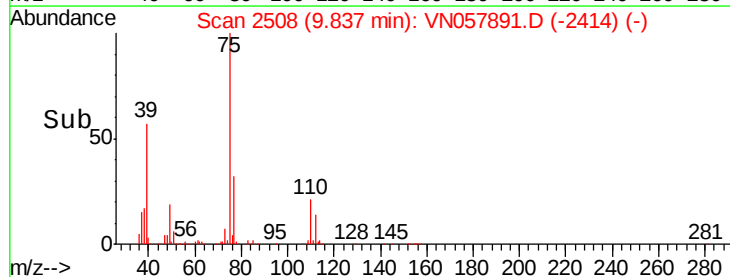
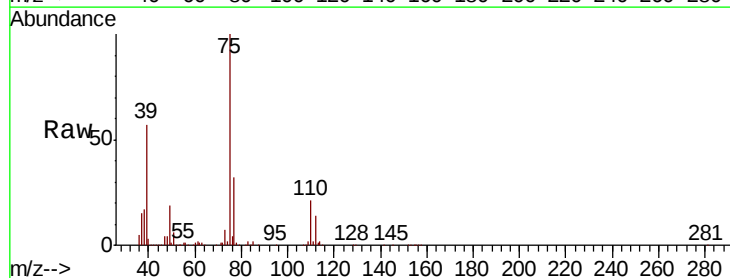
Tgt Ion: 75 Resp: 383625

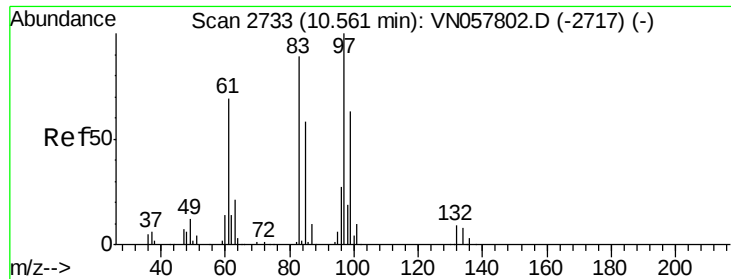
Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2

39 57.3 46.2 69.4

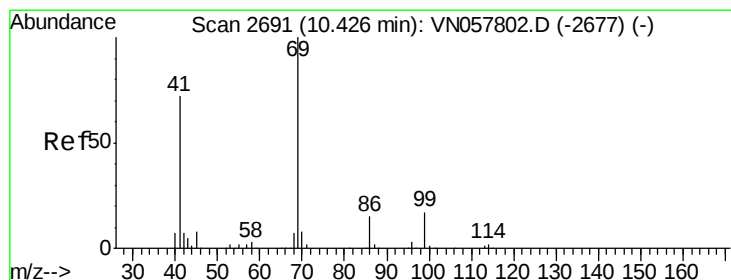
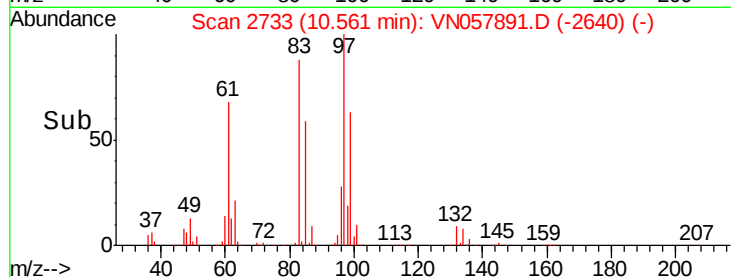
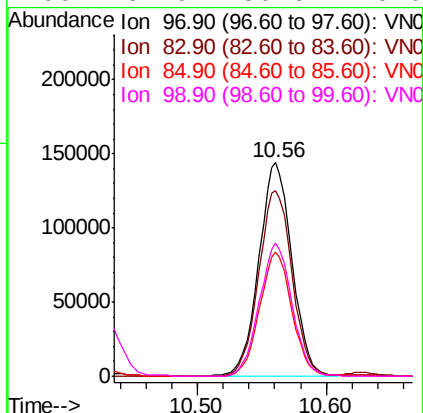
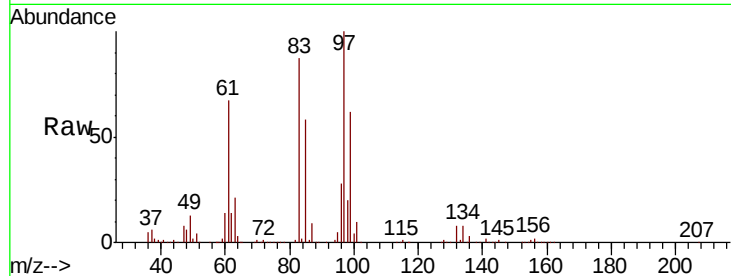




#55
 1,1,2-Trichloroethane
 Concen: 50.317 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

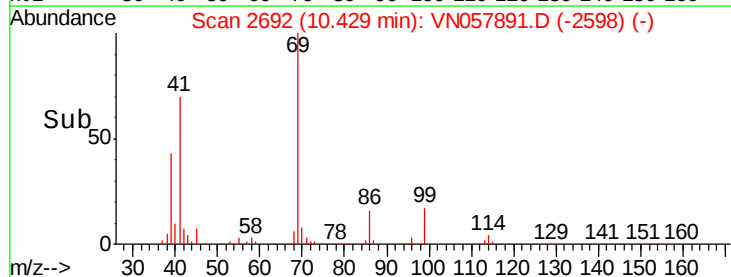
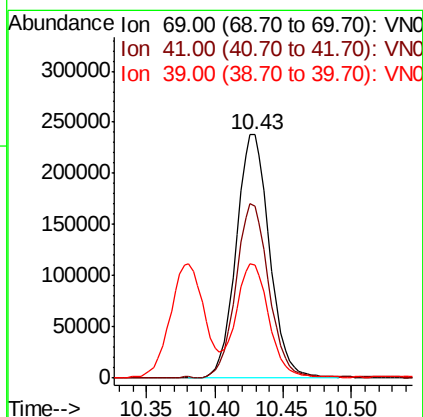
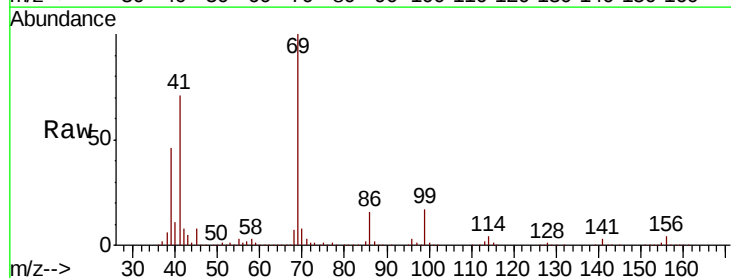
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MSD

Tgt Ion:	97	Resp:	257497
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.8	106.2
85	58.4	46.0	69.0
99	61.9	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 52.073 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion:	69	Resp:	401299
Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.7	85.1
39	46.4	36.3	54.5





#57

1,3-Dichloropropane

Concen: 49.525 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

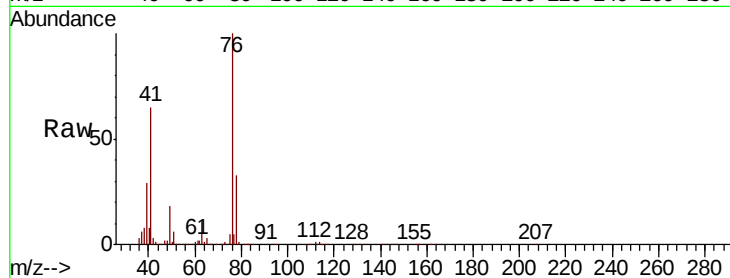
T11-MW-9-9.0-091019MSD

Tgt Ion: 76 Resp: 436778

Ion Ratio Lower Upper

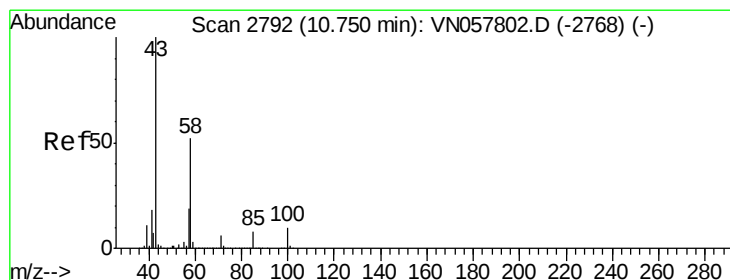
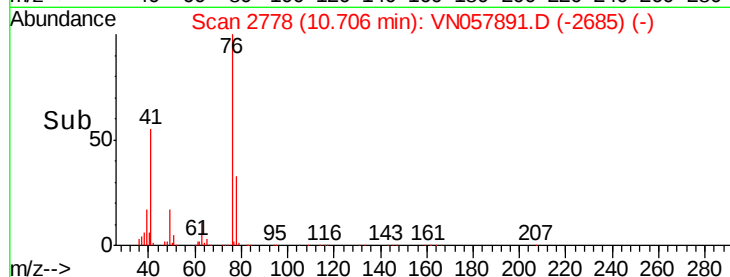
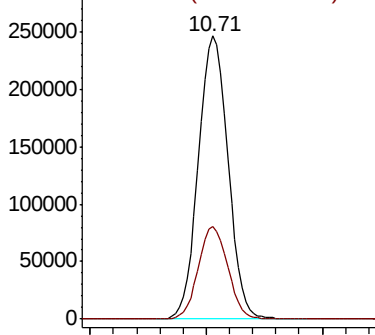
76 100

78 32.6 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 267.854 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN057891.D

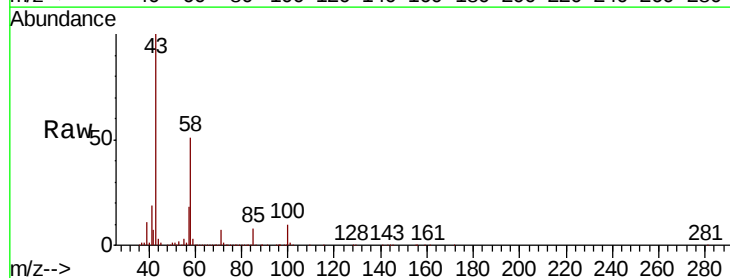
Acq: 11 Sep 2019 1:52

Tgt Ion: 43 Resp: 1315187

Ion Ratio Lower Upper

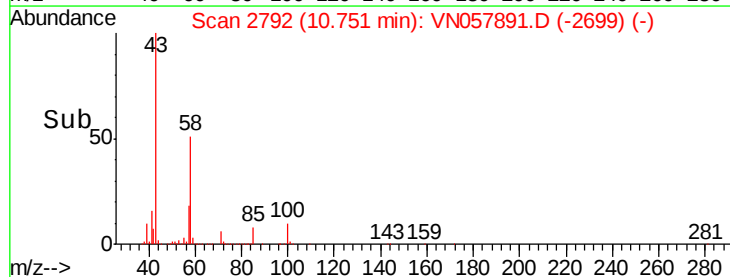
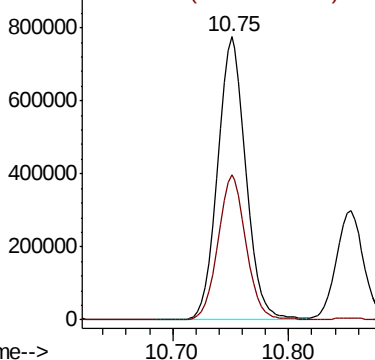
43 100

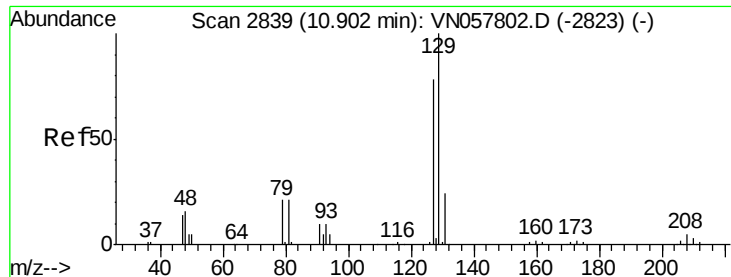
58 51.1 25.6 76.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 51.779 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

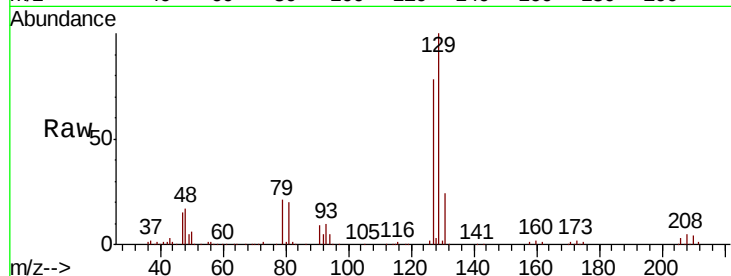
T11-MW-9-9.0-091019MSD

Tgt Ion:129 Resp: 246059

Ion Ratio Lower Upper

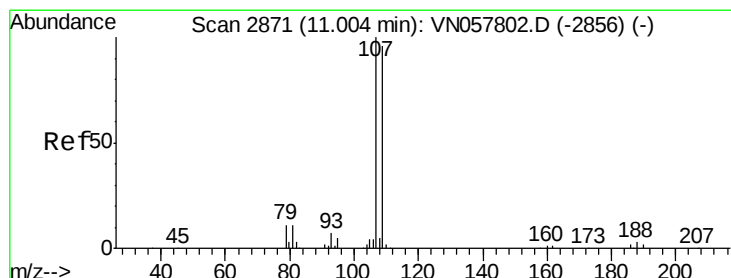
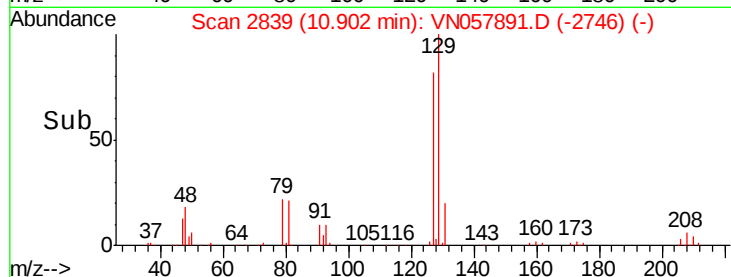
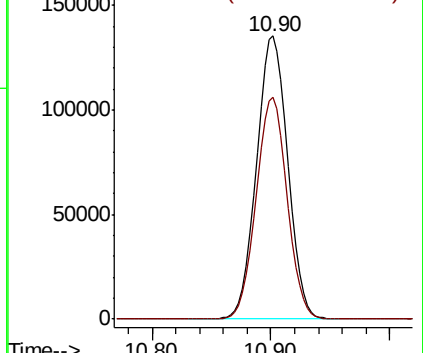
129 100

127 77.8 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: 50.408 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057891.D

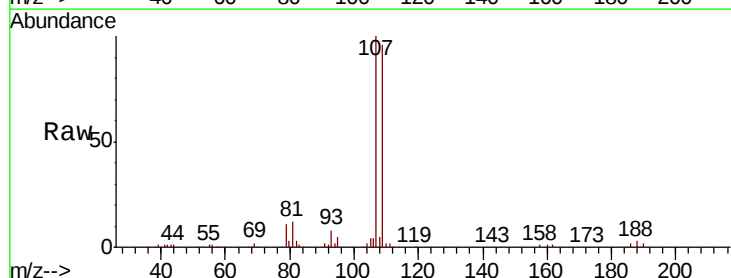
Acq: 11 Sep 2019 1:52

Tgt Ion:107 Resp: 243876

Ion Ratio Lower Upper

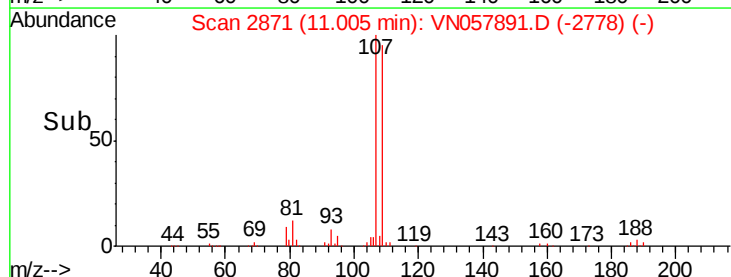
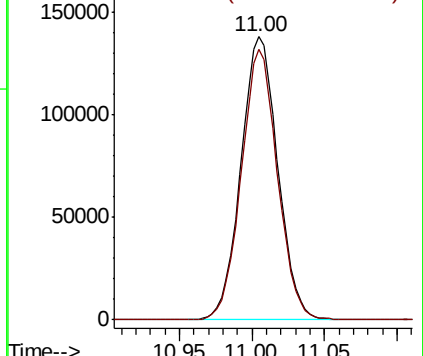
107 100

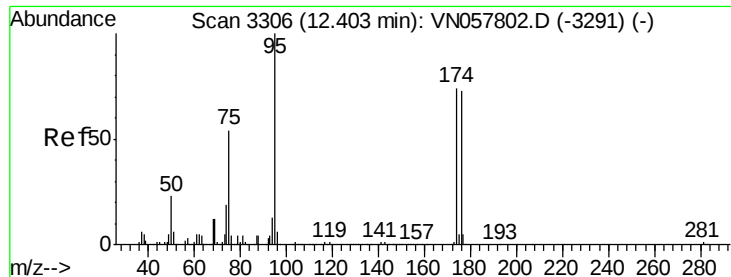
109 93.9 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 49.657 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

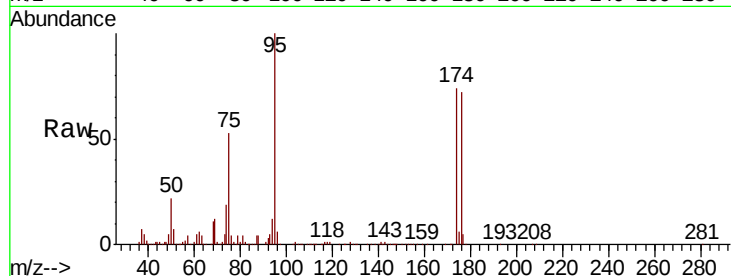
Tgt Ion: 95 Resp: 372539

Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.2

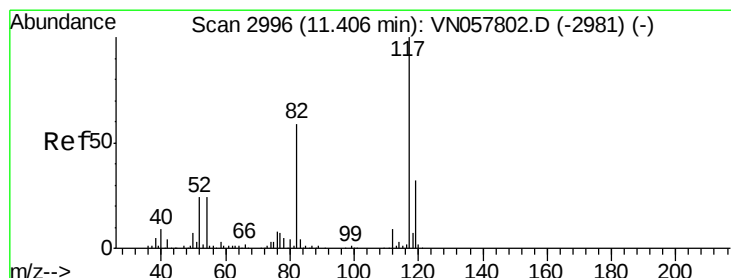
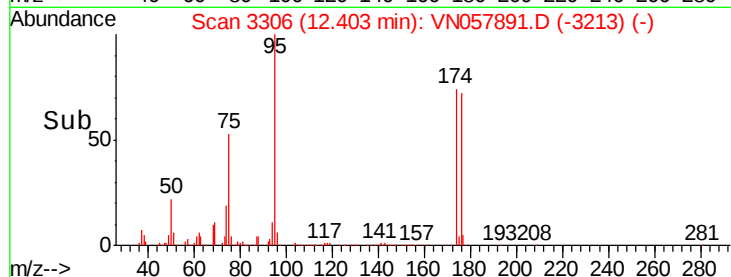
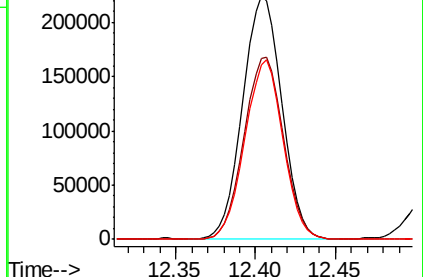
176 72.6 0.0 146.0



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

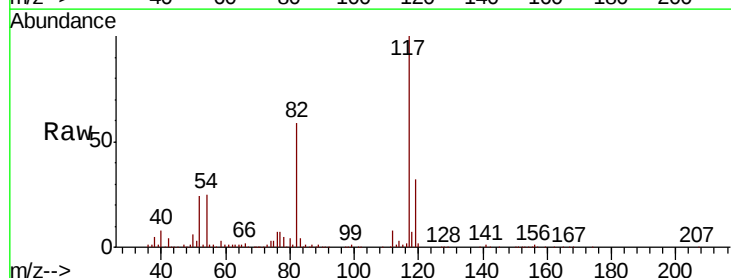
Tgt Ion: 117 Resp: 516054

Ion Ratio Lower Upper

117 100

82 59.1 47.2 70.8

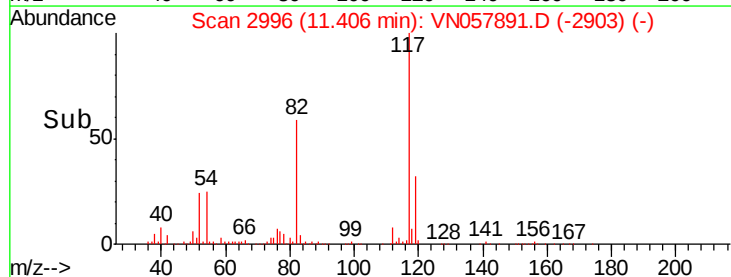
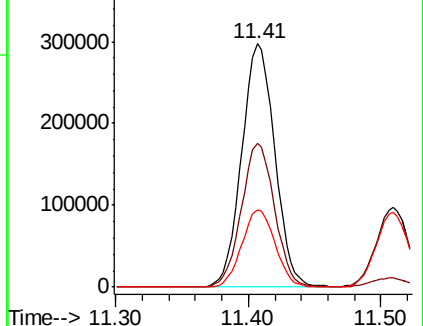
119 32.0 25.3 37.9

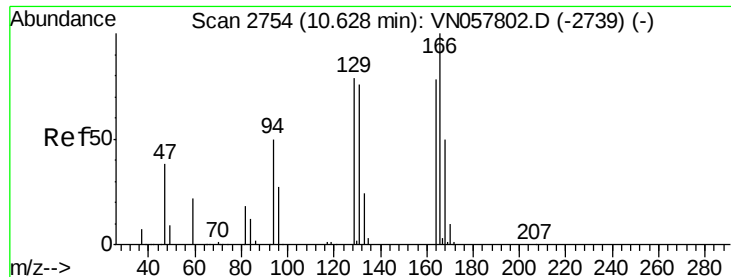


Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

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

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

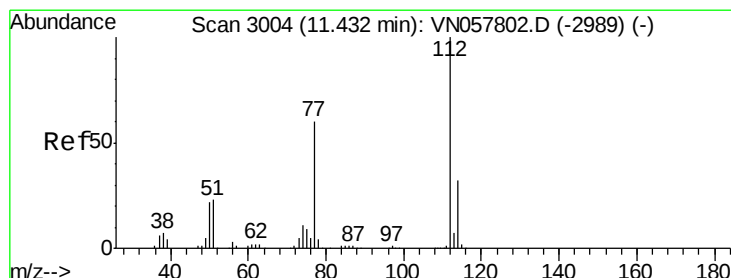
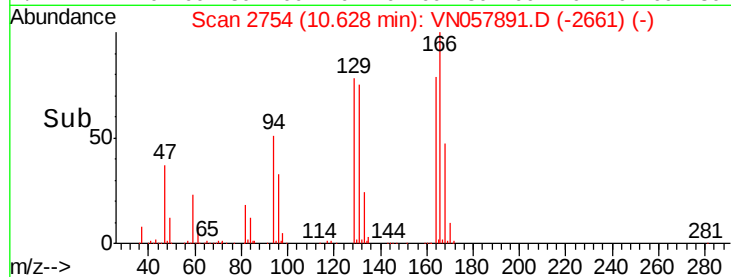
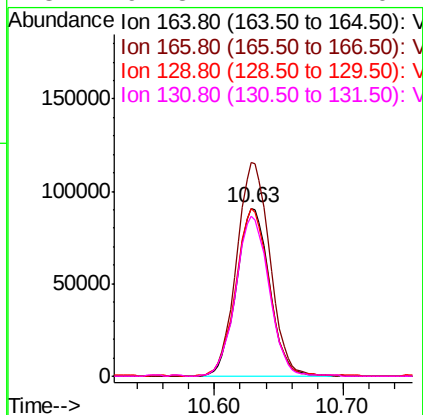
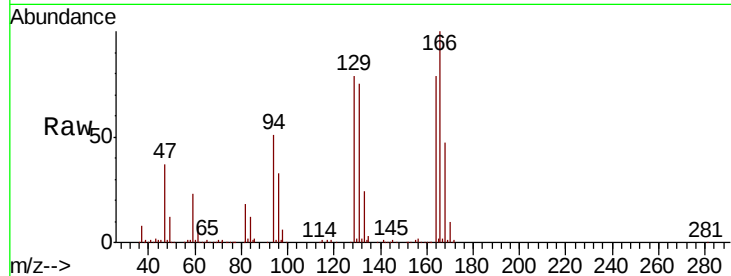




#64
Tetrachloroethene
Concen: 42.667 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

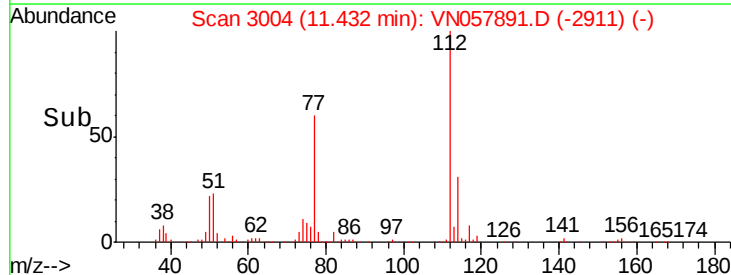
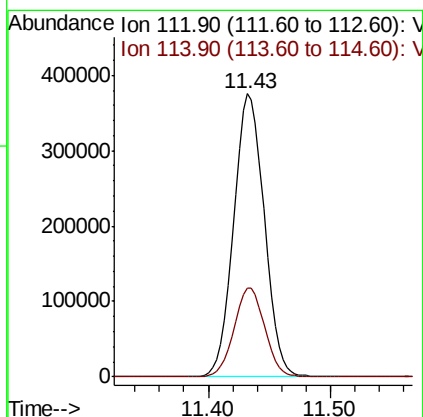
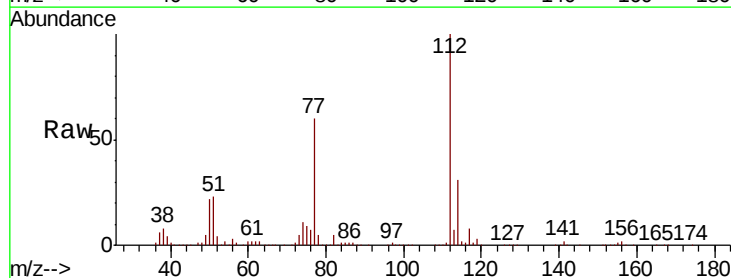
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MSD

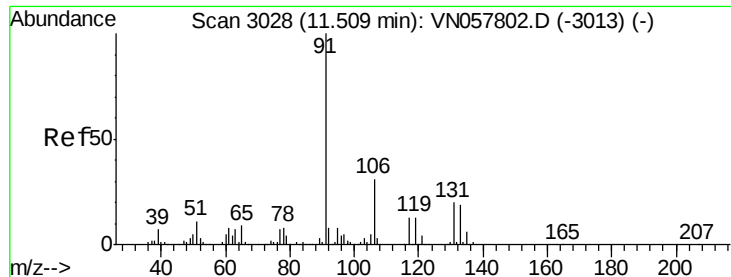
Tgt Ion:164 Resp: 162575
Ion Ratio Lower Upper
164 100
166 127.0 102.2 153.2
129 99.5 80.8 121.2
131 94.8 77.4 116.2



#65
Chlorobenzene
Concen: 48.293 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion:112 Resp: 652222
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8





#66

1,1,1,2-Tetrachloroethane

Concen: 51.631 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

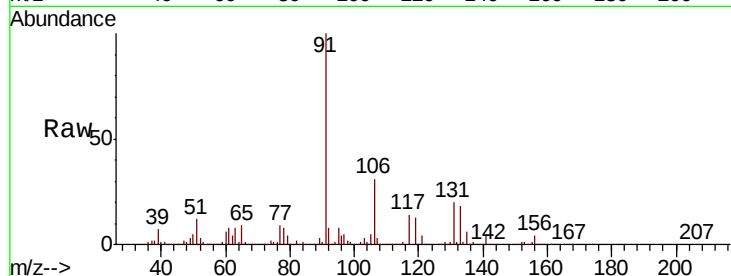
Tgt Ion: 131 Resp: 241958

Ion Ratio Lower Upper

131 100

133 93.1 47.1 141.3

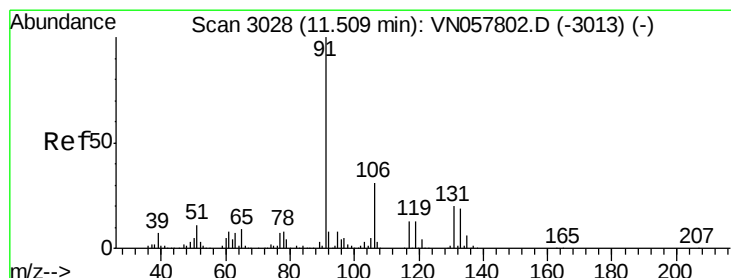
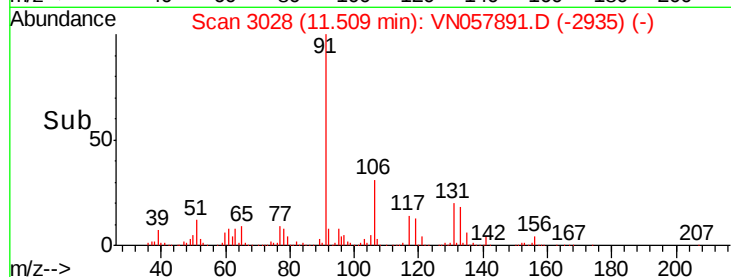
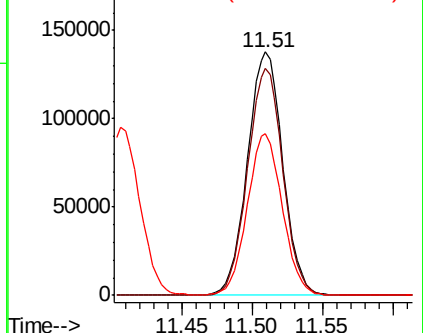
119 65.8 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 50.109 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN057891.D

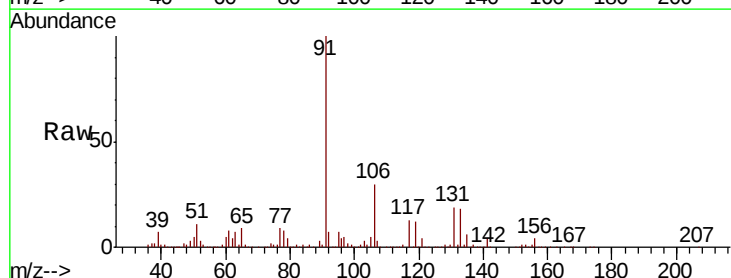
Acq: 11 Sep 2019 1:52

Tgt Ion: 91 Resp: 1186014

Ion Ratio Lower Upper

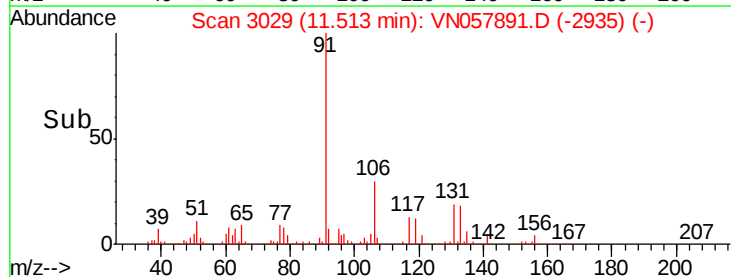
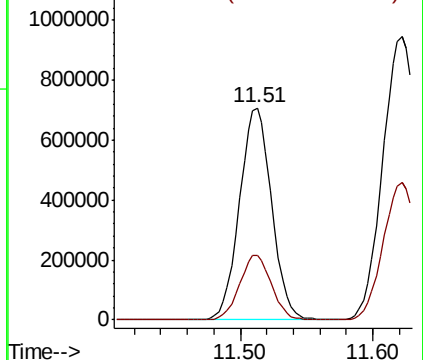
91 100

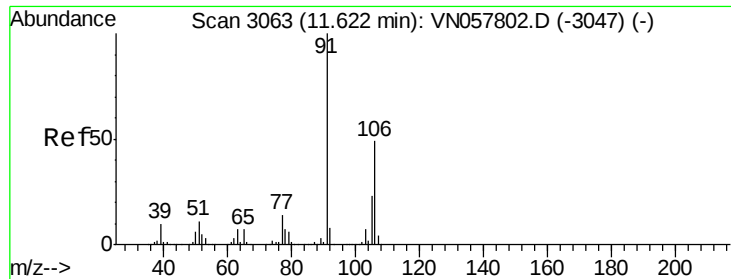
106 30.5 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

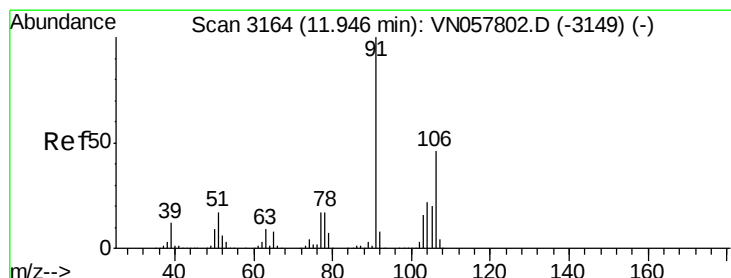
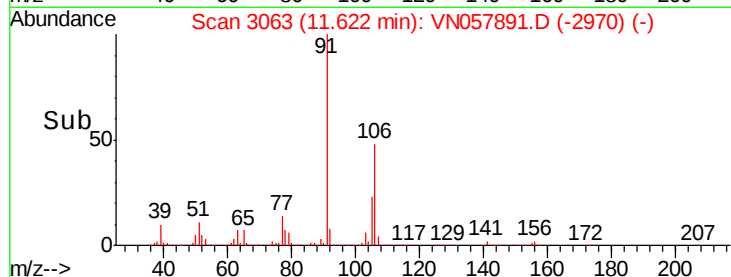
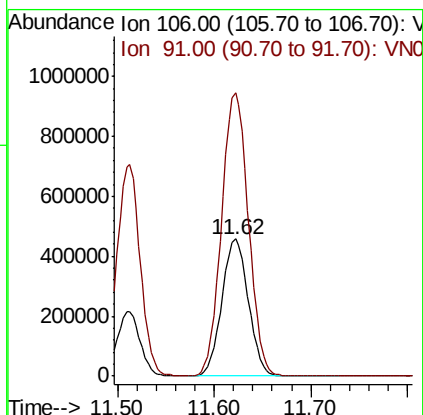
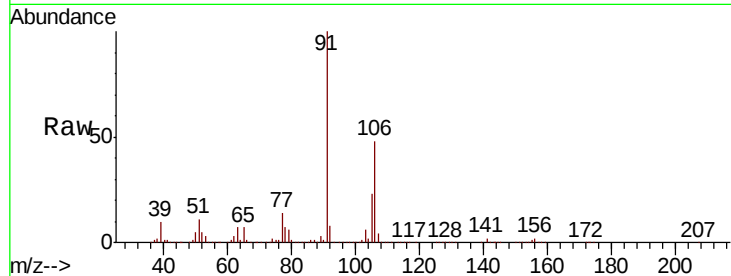




#68
m/p-Xylenes
Concen: 100.427 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

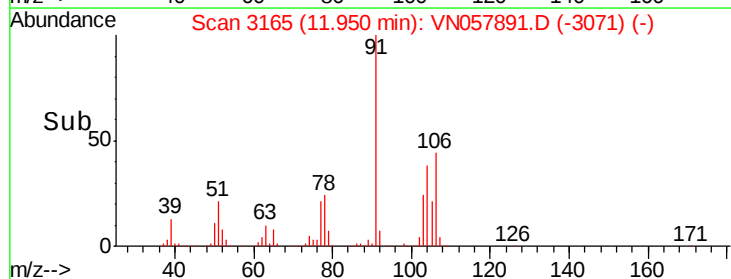
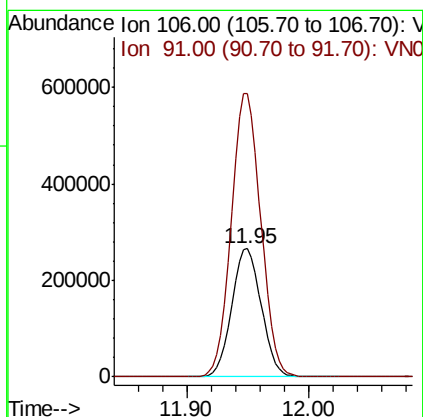
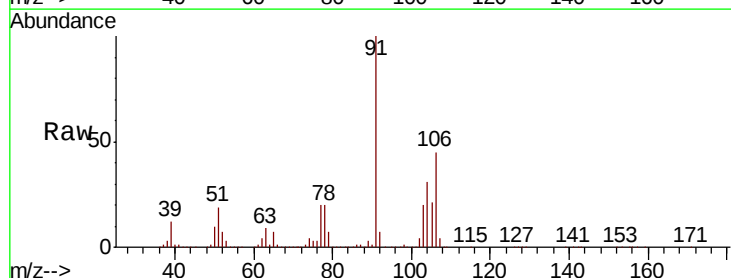
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-9-9.0-091019MSD

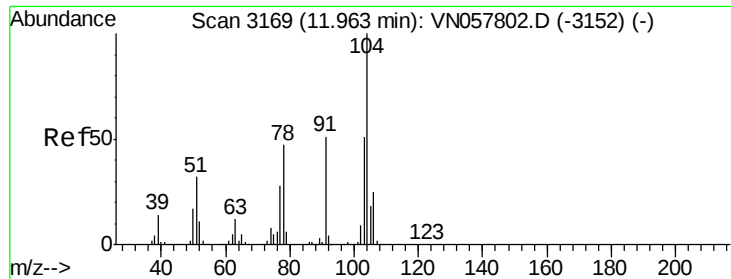
Tgt Ion:106 Resp: 870691
Ion Ratio Lower Upper
106 100
91 208.8 165.8 248.6



#69
o-Xylene
Concen: 51.899 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion:106 Resp: 447325
Ion Ratio Lower Upper
106 100
91 220.4 108.7 326.1





#70

Styrene

Concen: 52.498 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

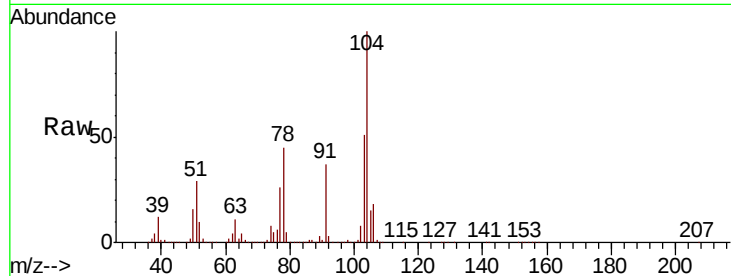
Tgt Ion:104 Resp: 778724

Ion Ratio Lower Upper

104 100

78 51.1 41.3 61.9

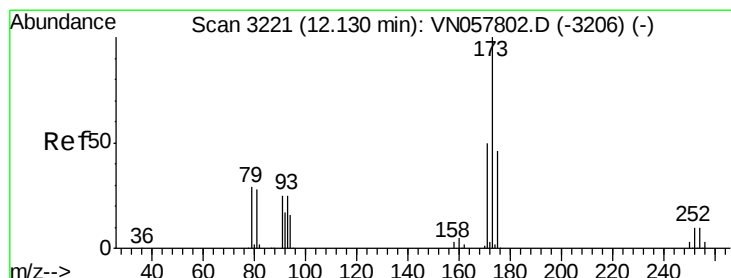
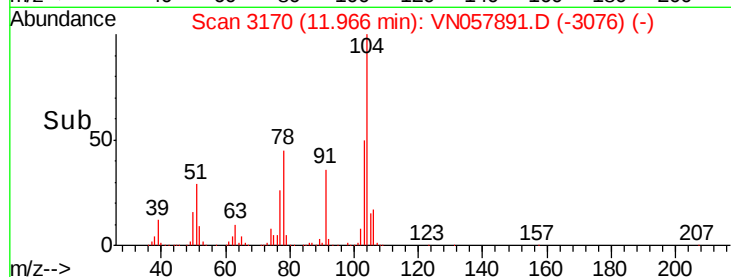
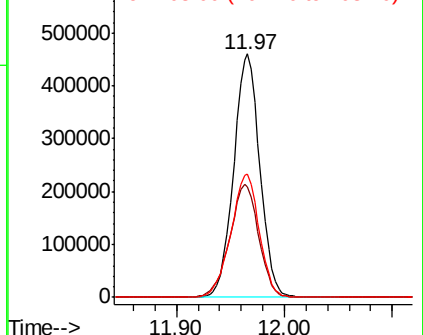
103 54.9 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 53.465 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

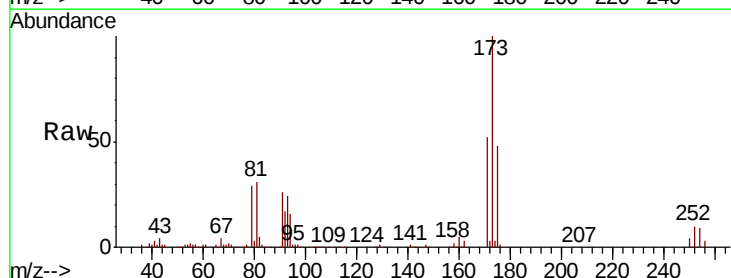
Tgt Ion:173 Resp: 156211

Ion Ratio Lower Upper

173 100

175 48.3 23.5 70.6

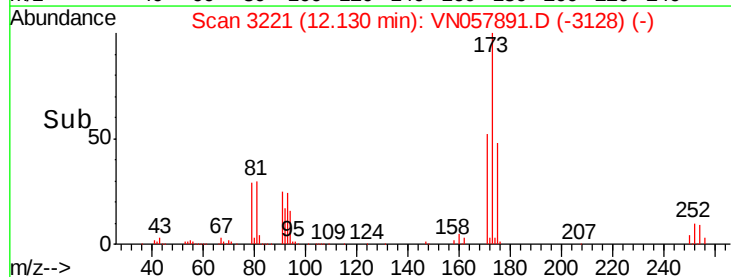
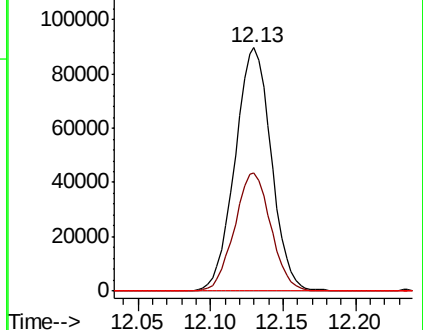
254 0.0 0.1 0.1#

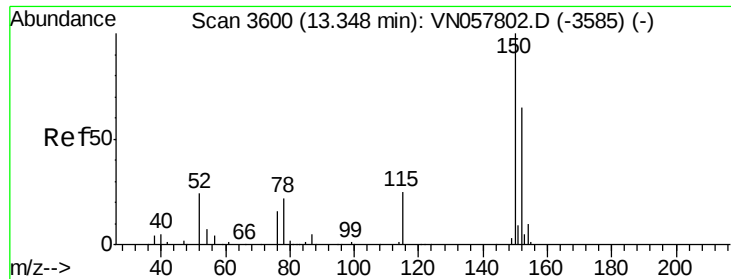


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

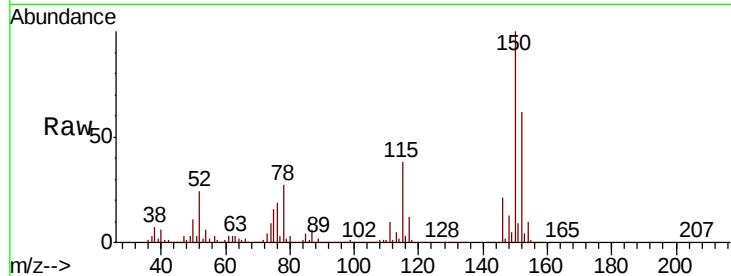
Tgt Ion:152 Resp: 319422

Ion Ratio Lower Upper

152 100

115 63.1 30.3 91.0

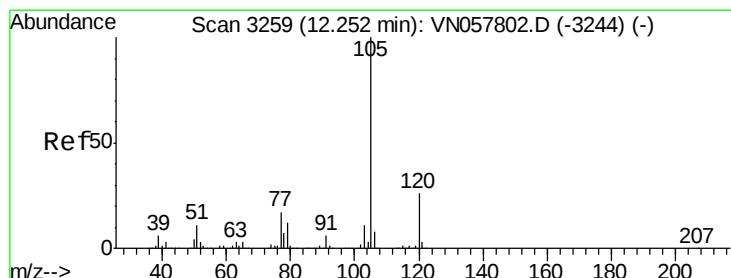
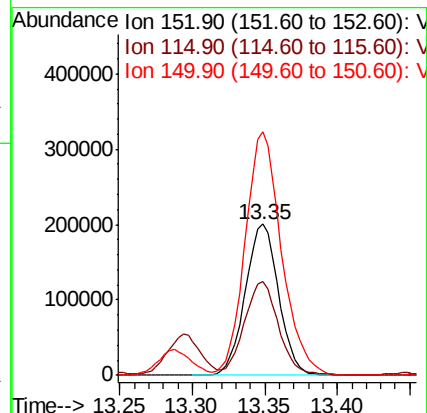
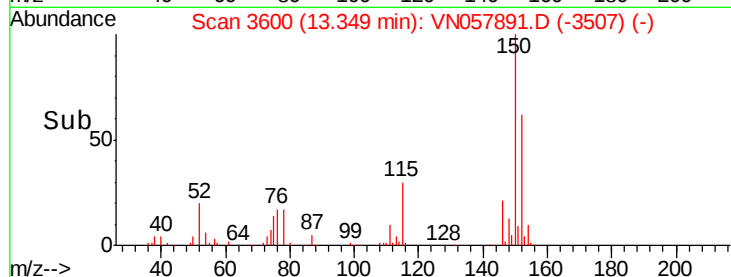
150 175.3 0.0 352.4



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: 52.433 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057891.D

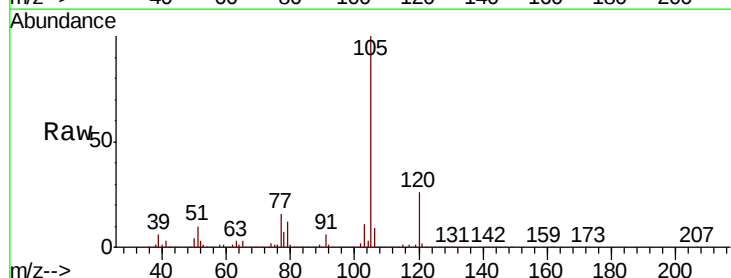
Acq: 11 Sep 2019 1:52

Tgt Ion:105 Resp: 1299617

Ion Ratio Lower Upper

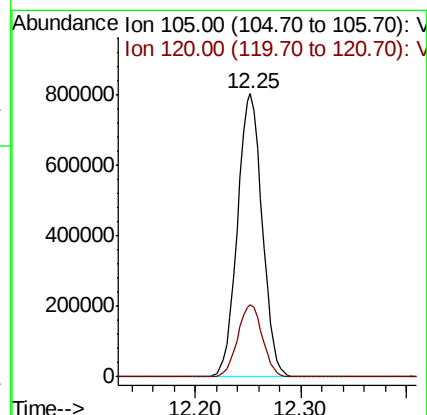
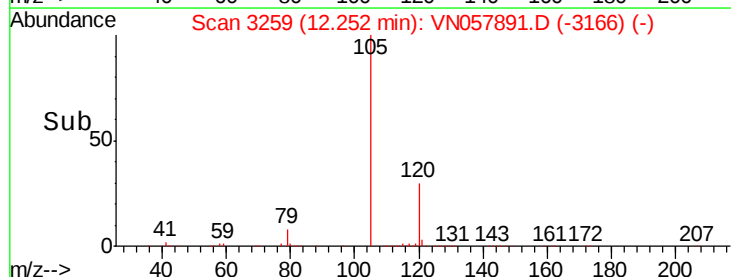
105 100

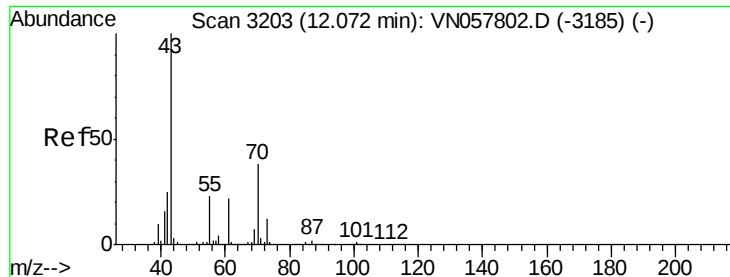
120 25.7 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 51.542 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion: 43 Resp: 555984

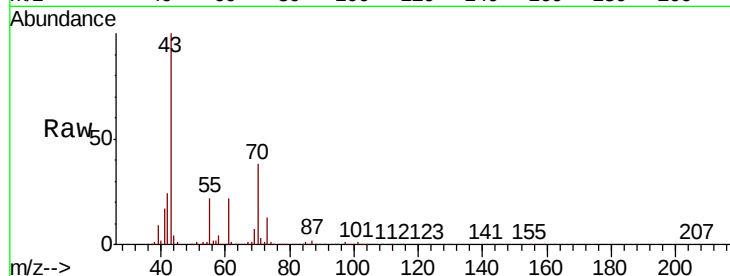
Ion Ratio Lower Upper

43 100

70 38.3 30.6 45.8

55 22.9 18.6 27.8

61 22.5 17.4 26.2

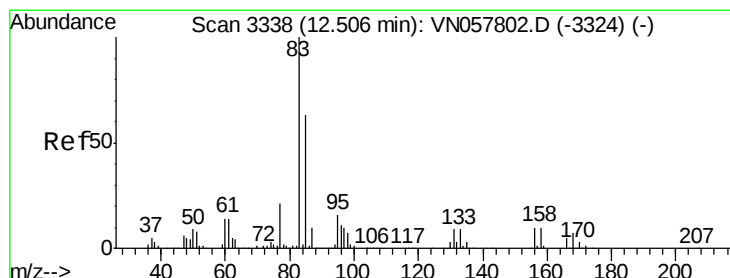
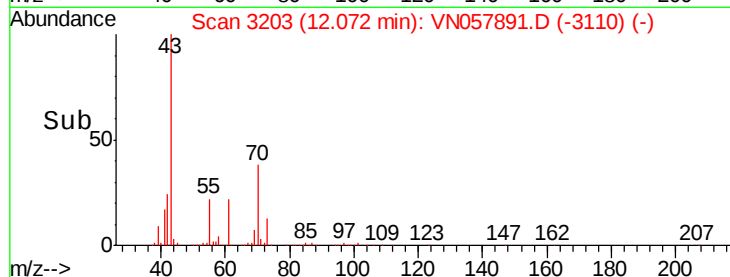
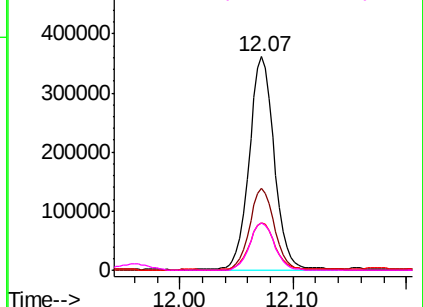


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 47.027 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

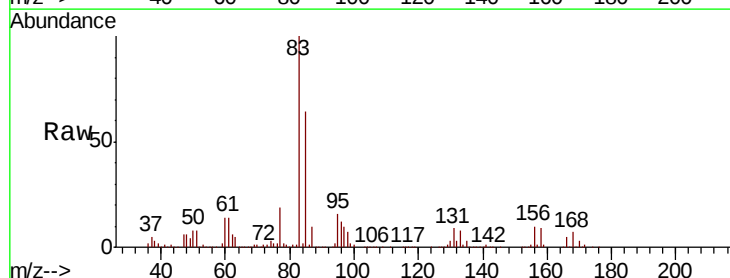
Tgt Ion: 83 Resp: 392465

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

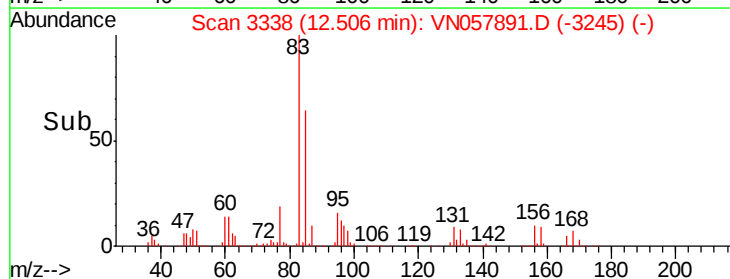
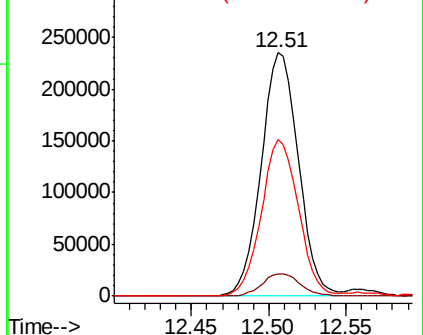
85 64.2 31.6 94.7

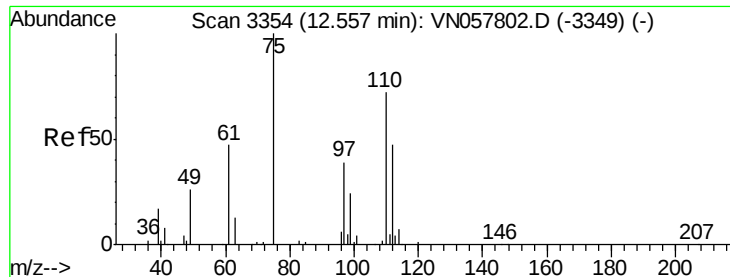


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

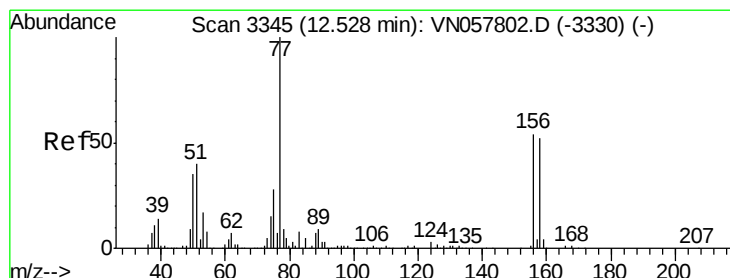
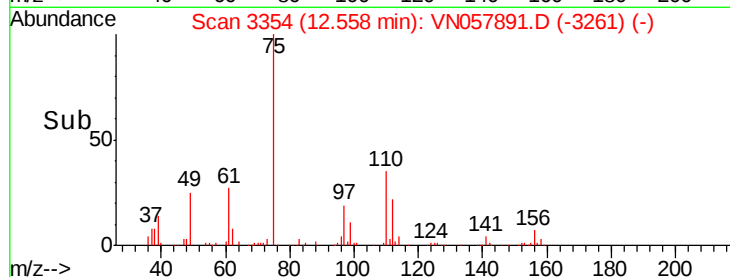
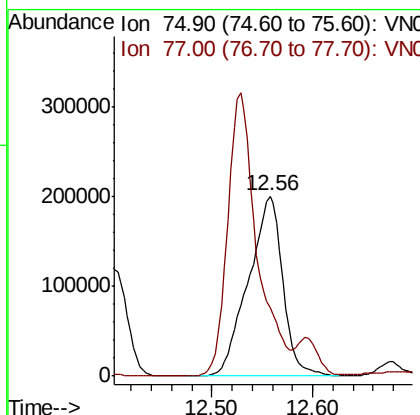
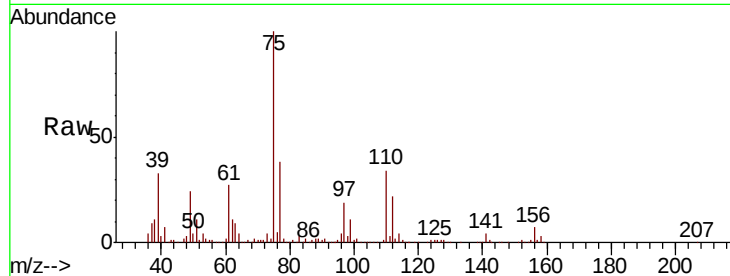




#76
 1,2,3-Trichloropropane
 Concen: 65.510 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

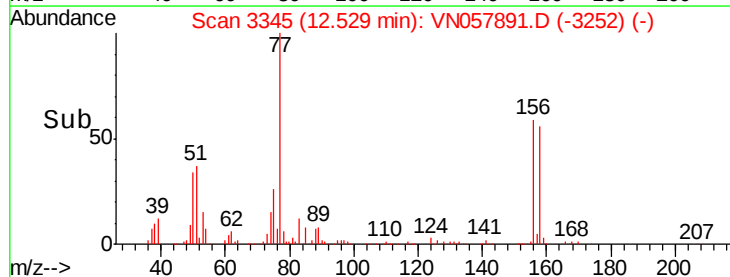
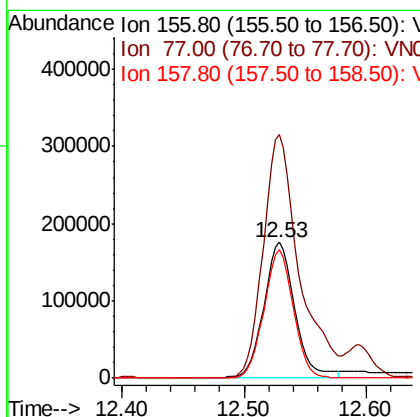
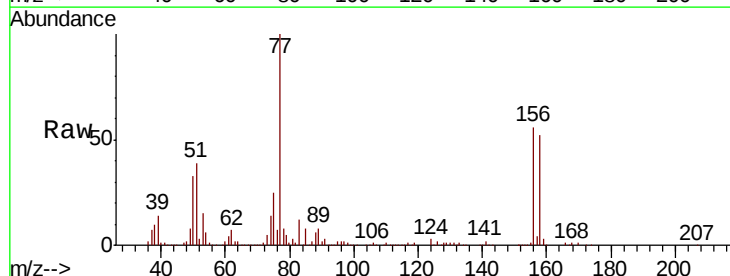
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MSD

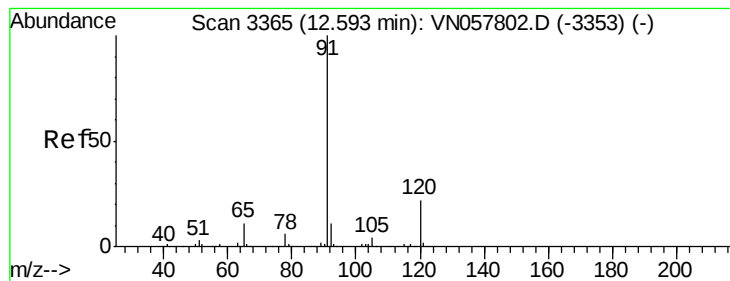
Tgt Ion: 75 Resp: 473368
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 50.208 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion: 156 Resp: 310273
 Ion Ratio Lower Upper
 156 100
 77 208.8 113.7 341.1
 158 89.2 48.5 145.6





#78

n-propylbenzene

Concen: 56.190 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

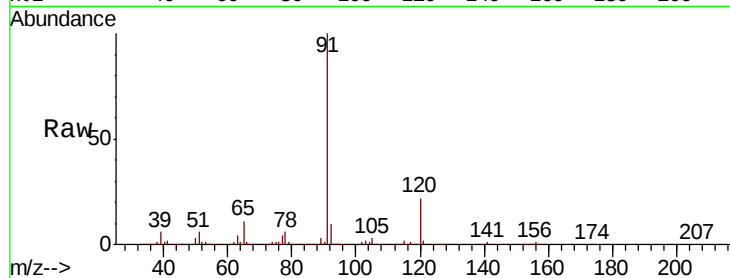
T11-MW-9-9.0-091019MSD

Tgt Ion: 91 Resp: 1599298

Ion Ratio Lower Upper

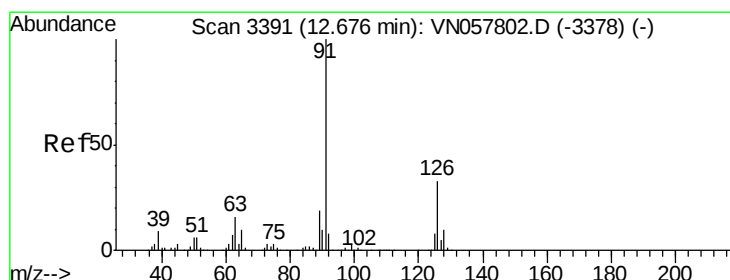
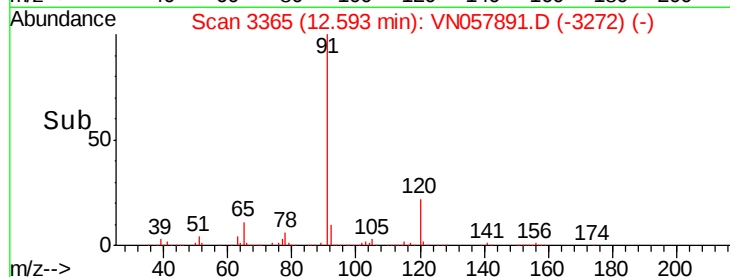
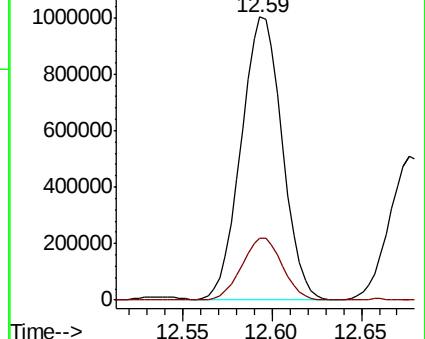
91 100

120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 46.689 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057891.D

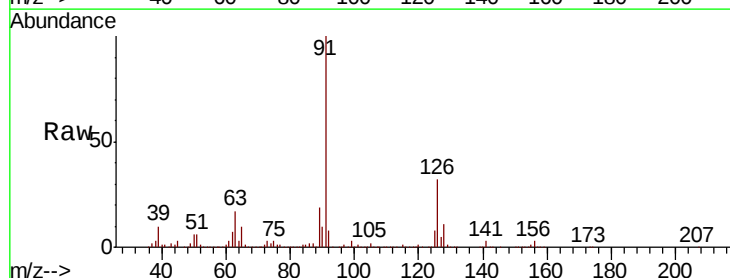
Acq: 11 Sep 2019 1:52

Tgt Ion: 91 Resp: 839880

Ion Ratio Lower Upper

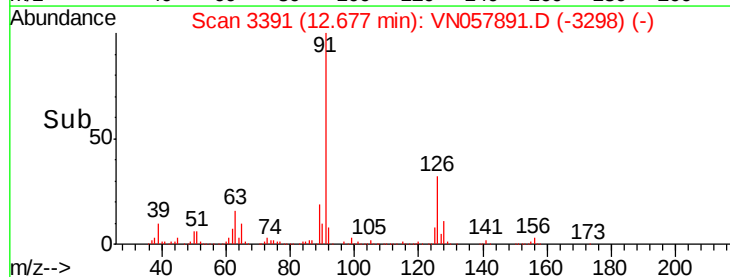
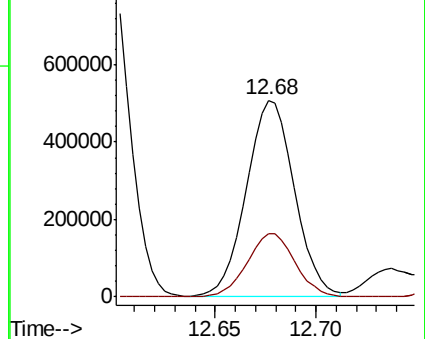
91 100

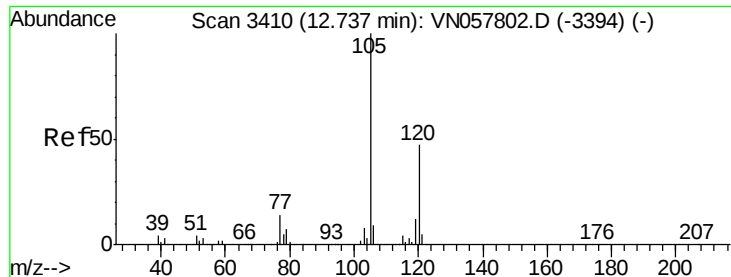
126 32.4 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 50.336 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

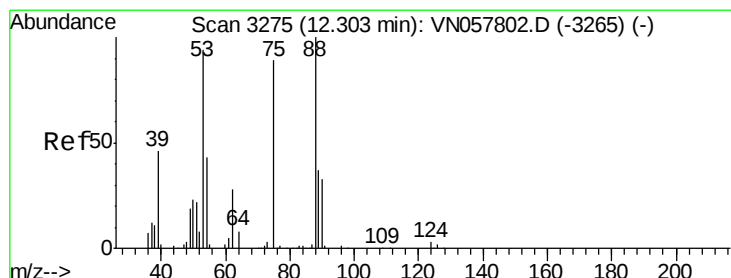
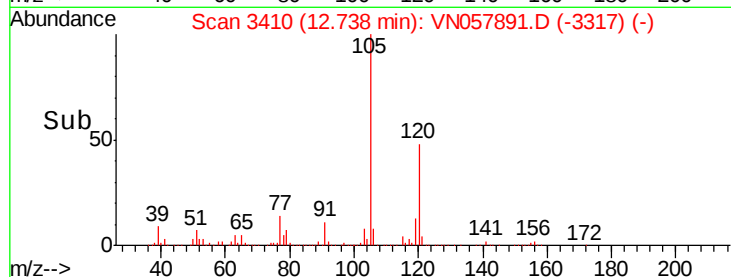
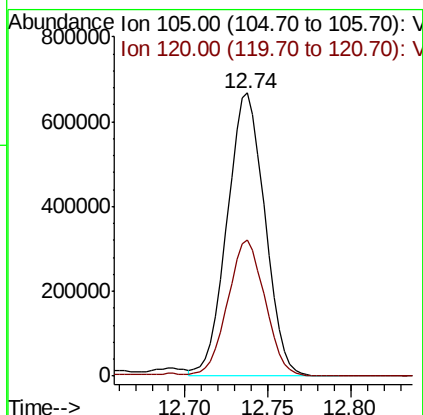
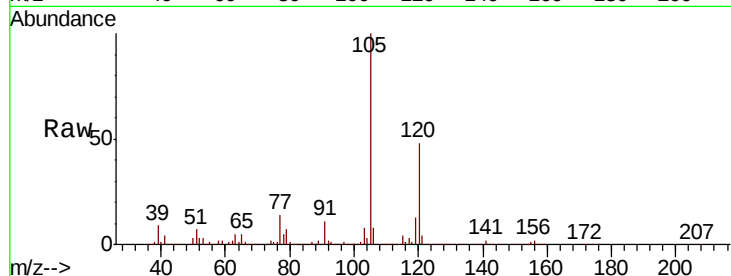
T11-MW-9-9.0-091019MSD

Tgt Ion:105 Resp: 1054186

Ion Ratio Lower Upper

105 100

120 47.7 23.7 71.1



#81

trans-1,4-Dichloro-2-butene

Concen: 46.395 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

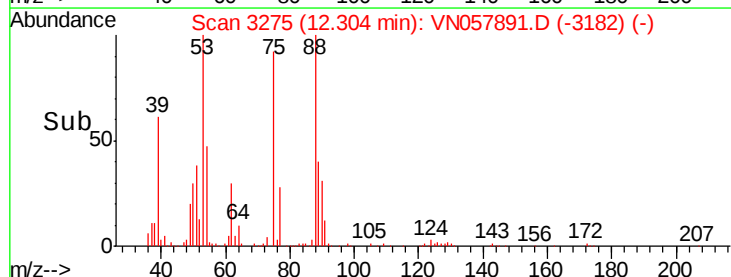
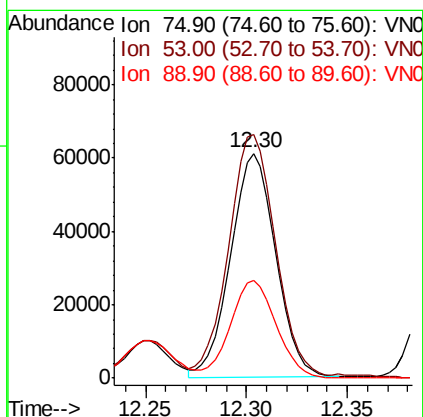
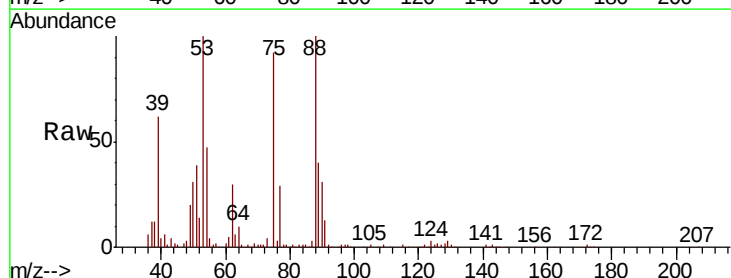
Tgt Ion: 75 Resp: 95267

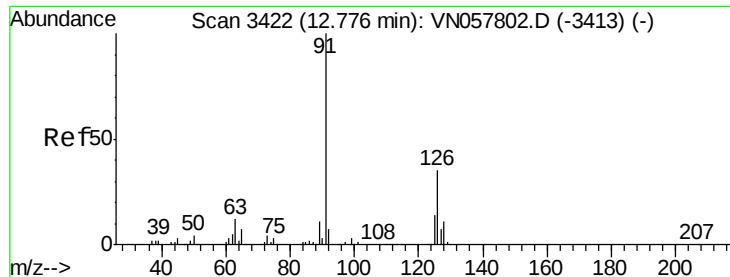
Ion Ratio Lower Upper

75 100

53 114.1 88.4 132.6

89 44.1 35.3 52.9





#82

4-Chlorotoluene

Concen: 47.716 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

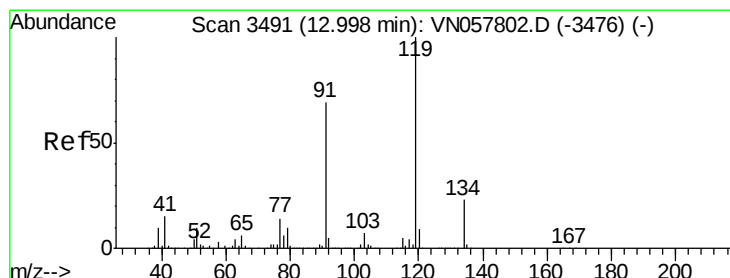
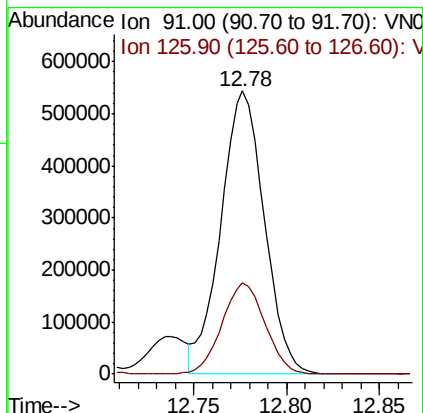
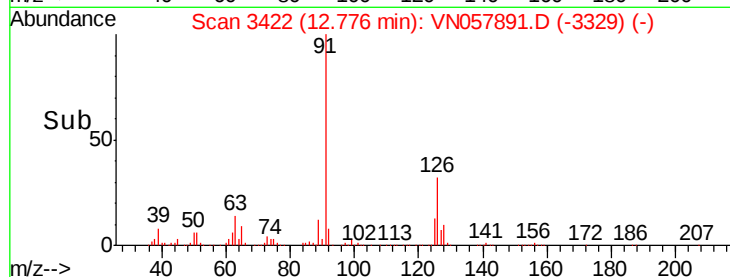
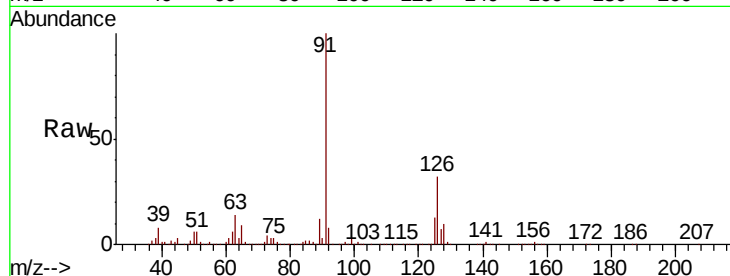
T11-MW-9-9.0-091019MSD

Tgt Ion: 91 Resp: 881475

Ion Ratio Lower Upper

91 100

126 32.0 16.0 48.0



#83

tert-Butylbenzene

Concen: 47.952 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

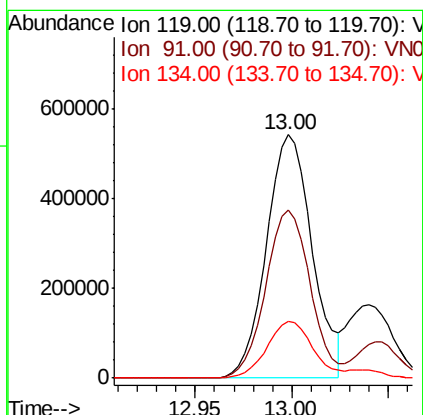
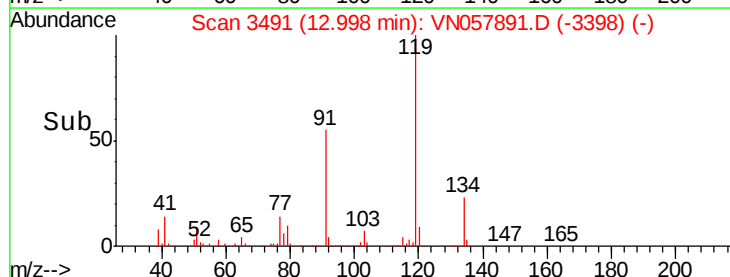
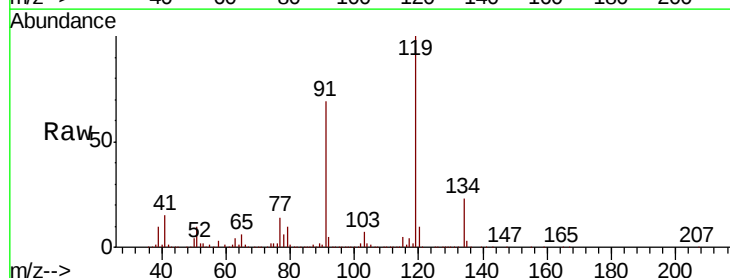
Tgt Ion: 119 Resp: 892683

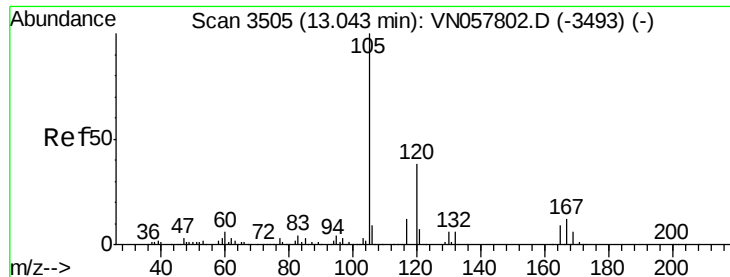
Ion Ratio Lower Upper

119 100

91 67.6 33.6 100.8

134 23.3 11.7 35.0





#84

1,2,4-Trimethylbenzene

Concen: 55.705 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

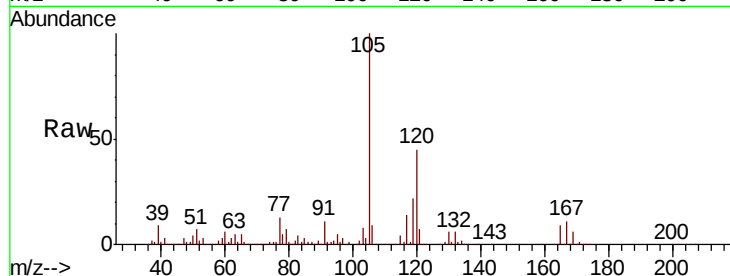
T11-MW-9-9.0-091019MSD

Tgt Ion:105 Resp: 1185695

Ion Ratio Lower Upper

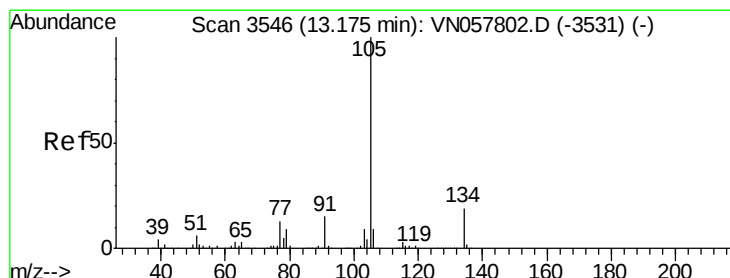
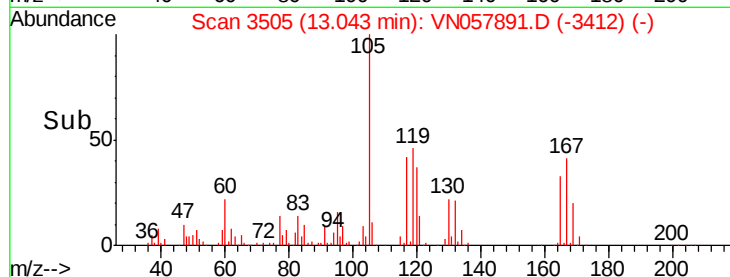
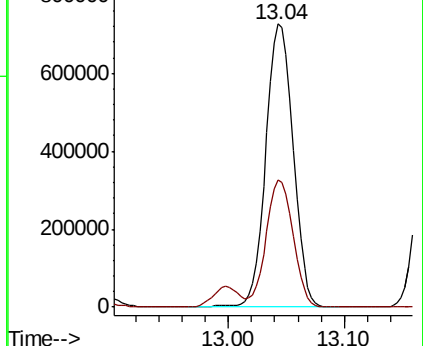
105 100

120 44.4 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 51.410 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057891.D

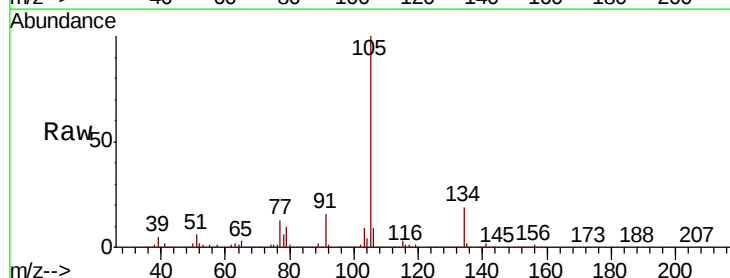
Acq: 11 Sep 2019 1:52

Tgt Ion:105 Resp: 1268497

Ion Ratio Lower Upper

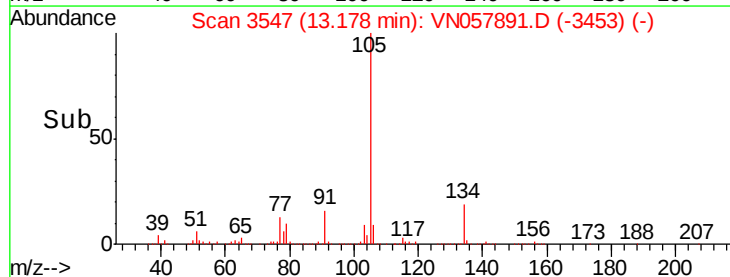
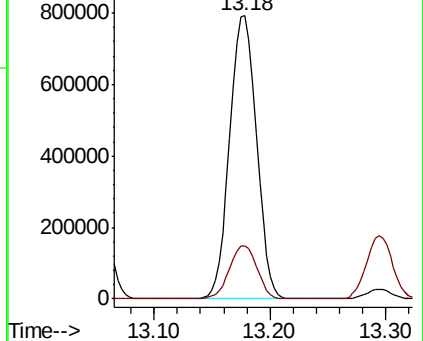
105 100

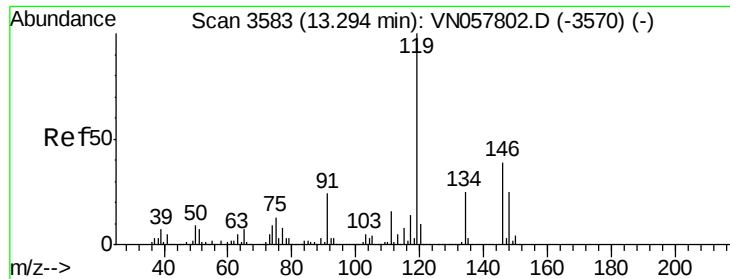
134 19.5 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

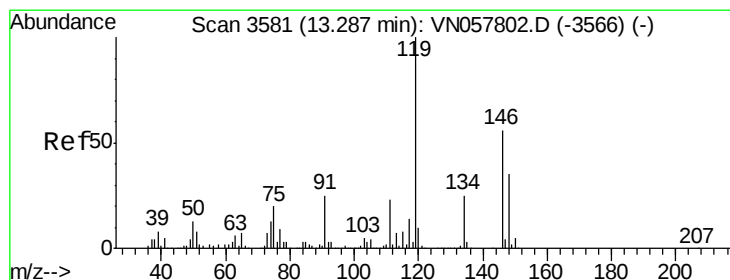
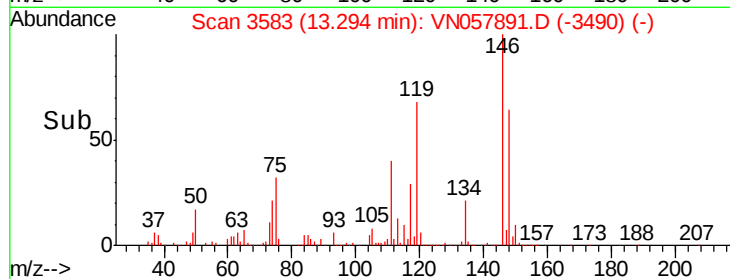
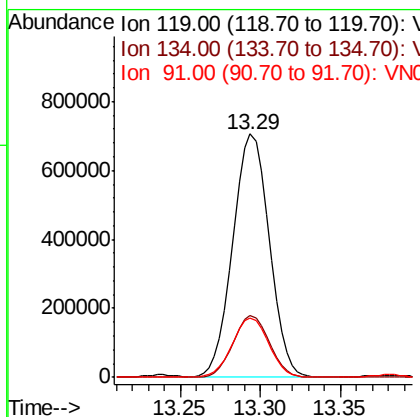
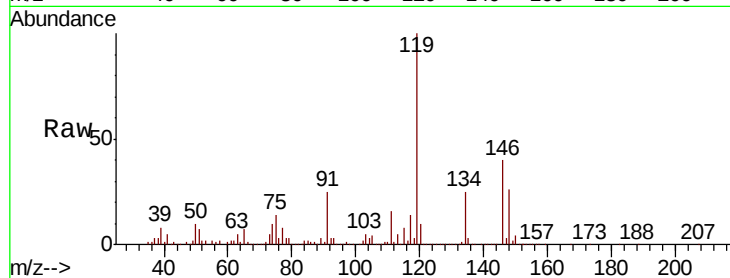




#86
 p-Isopropyltoluene
 Concen: 50.337 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

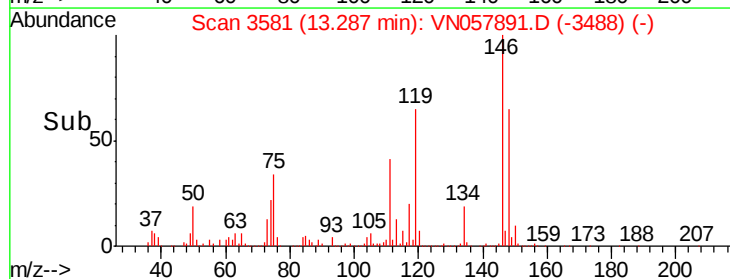
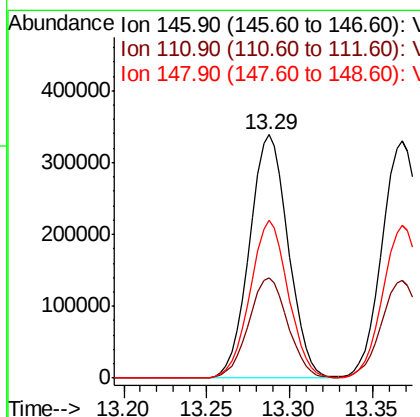
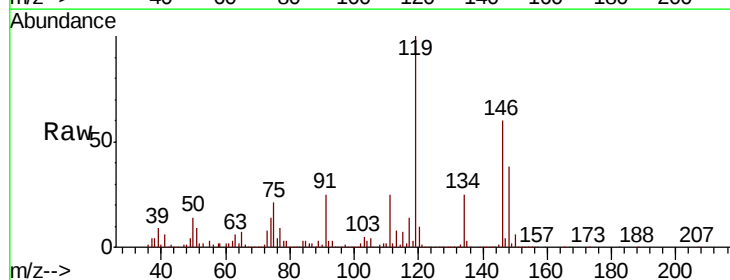
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MSD

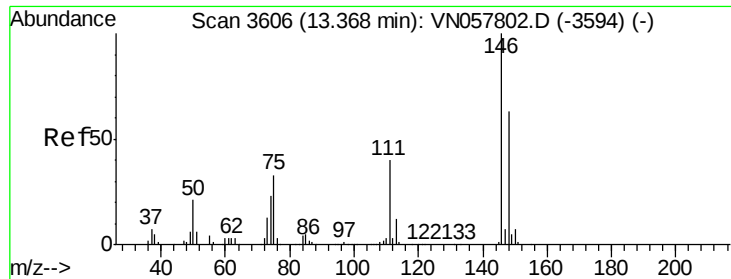
Tgt Ion:119 Resp: 1094369
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.5 37.5
 91 24.3 12.3 36.8



#87
 1,3-Dichlorobenzene
 Concen: 48.466 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion:146 Resp: 549743
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.5 61.6
 148 63.9 31.5 94.5

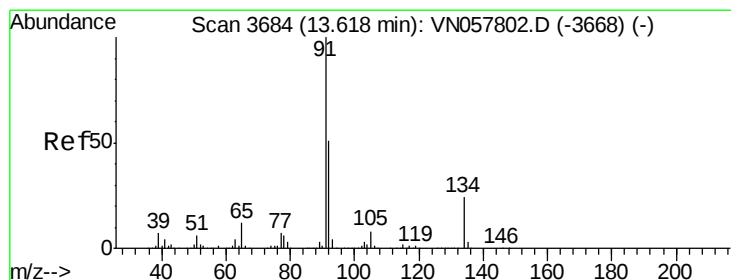
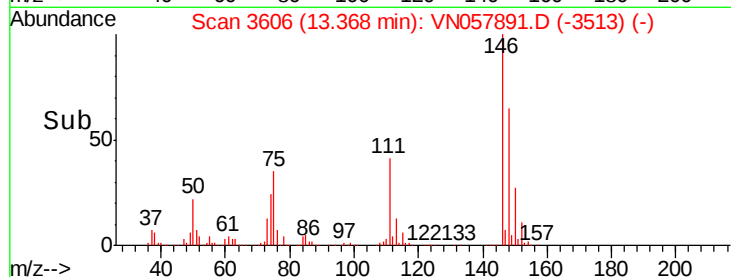
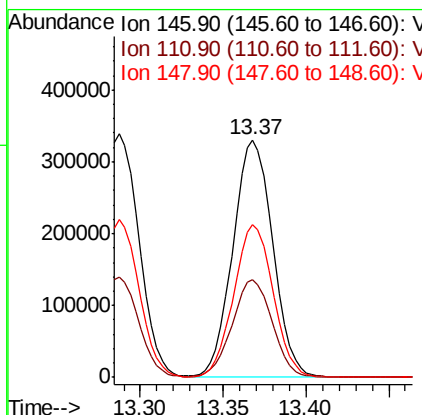
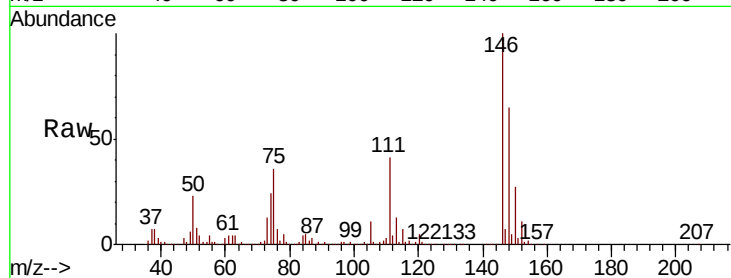




#88
 1,4-Dichlorobenzene
 Concen: 47.897 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

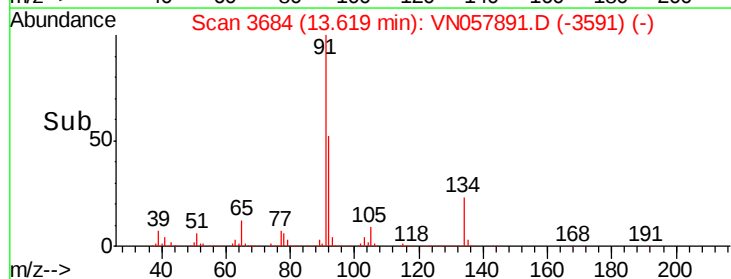
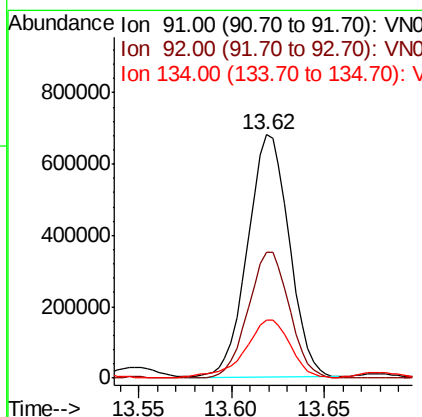
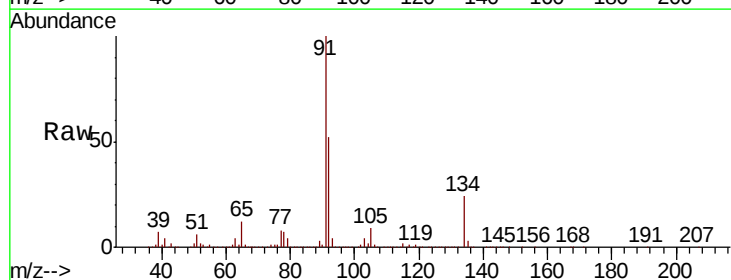
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MSD

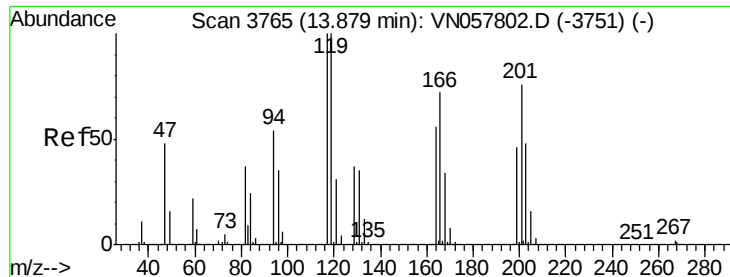
Tgt Ion: 146 Resp: 551475
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.4 61.2
 148 63.5 31.8 95.4



#89
 n-Butylbenzene
 Concen: 51.443 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion: 91 Resp: 1056184
 Ion Ratio Lower Upper
 91 100
 92 51.5 25.7 77.0
 134 26.4 11.9 35.7





#90

Hexachloroethane

Concen: 58.016 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

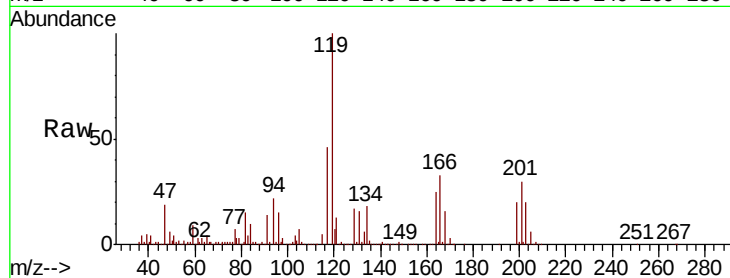
T11-MW-9-9.0-091019MSD

Tgt Ion:117 Resp: 187583

Ion Ratio Lower Upper

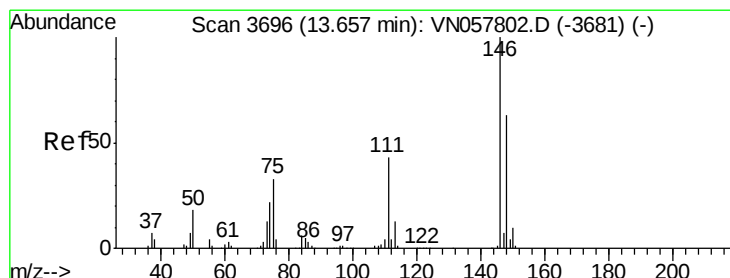
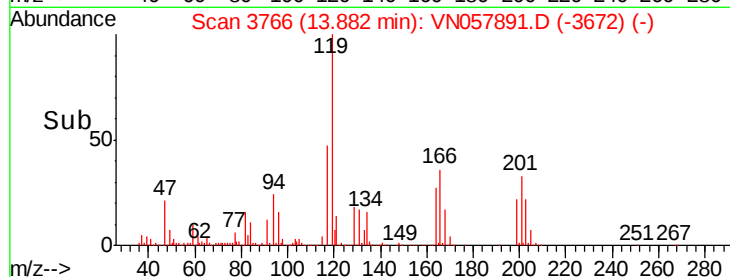
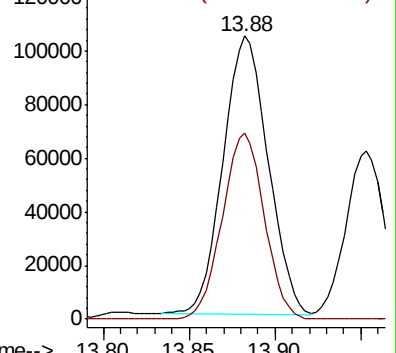
117 100

201 62.4 37.5 112.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 48.970 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

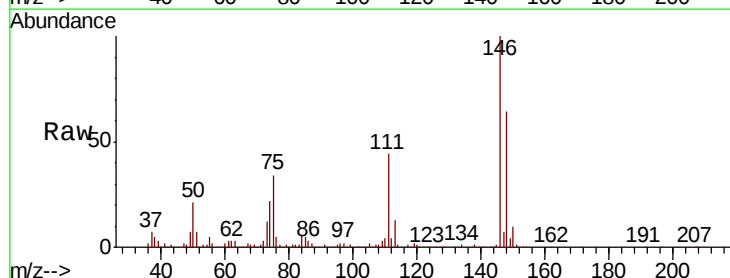
Tgt Ion:146 Resp: 554928

Ion Ratio Lower Upper

146 100

111 43.0 21.3 63.9

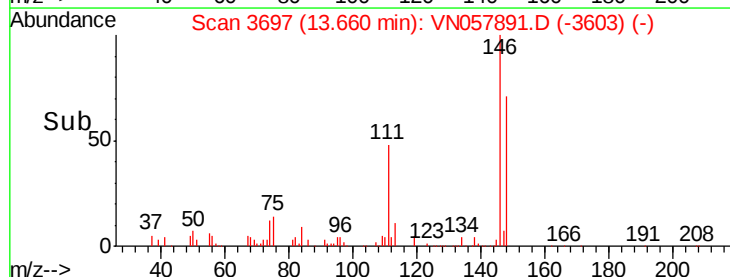
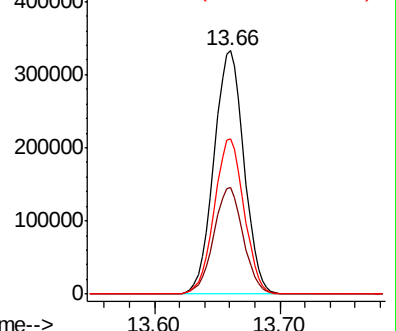
148 63.5 31.4 94.3

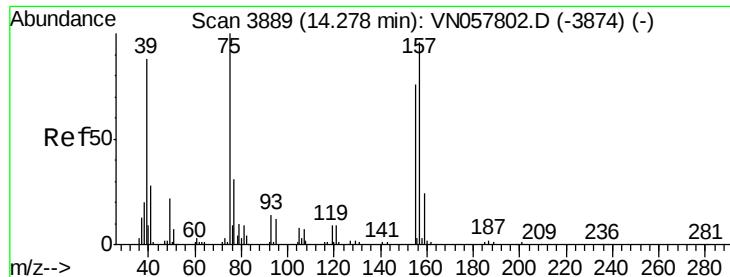


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.029 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

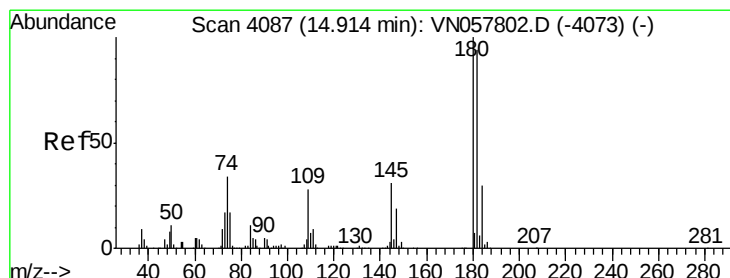
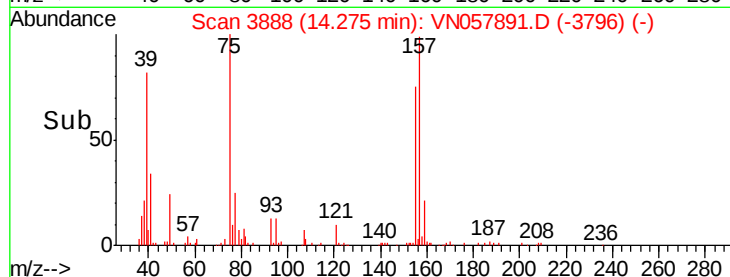
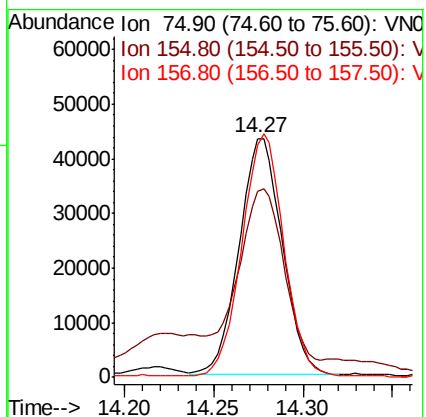
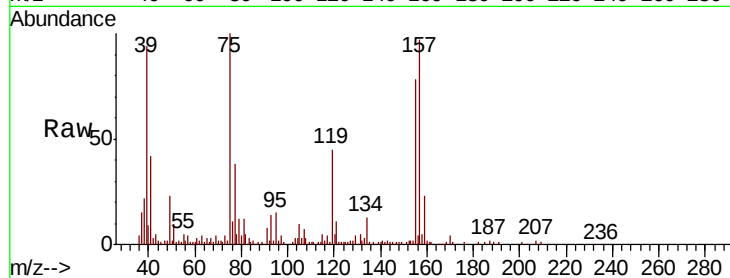
Tgt Ion: 75 Resp: 73085

Ion Ratio Lower Upper

75 100

155 74.8 37.3 111.8

157 99.8 47.9 143.8



#93

1,2,4-Trichlorobenzene

Concen: 49.920 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

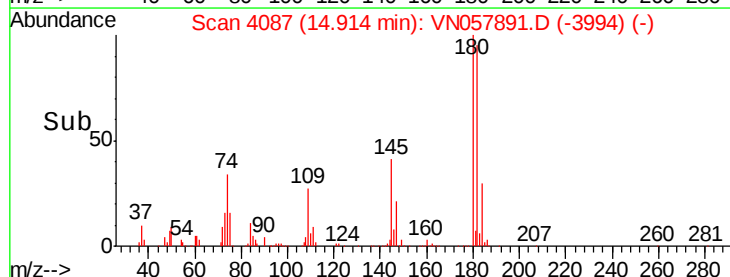
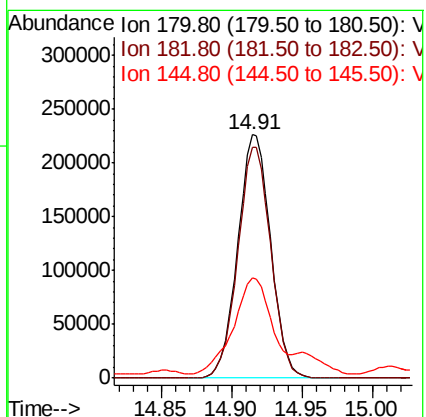
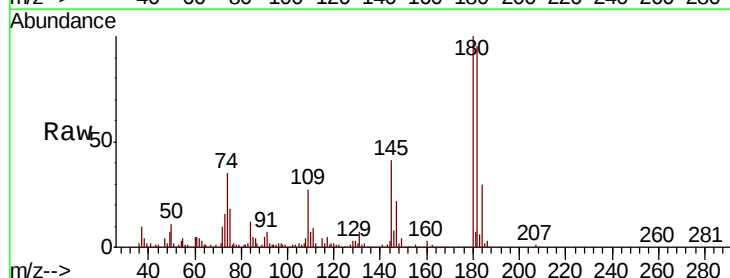
Tgt Ion: 180 Resp: 369751

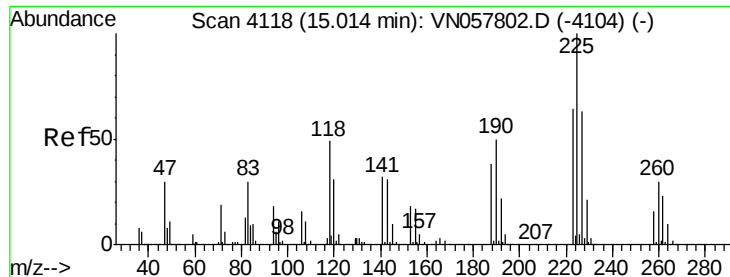
Ion Ratio Lower Upper

180 100

182 94.9 46.9 140.8

145 46.0 14.9 44.7#





#94

Hexachlorobutadiene

Concen: 47.942 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

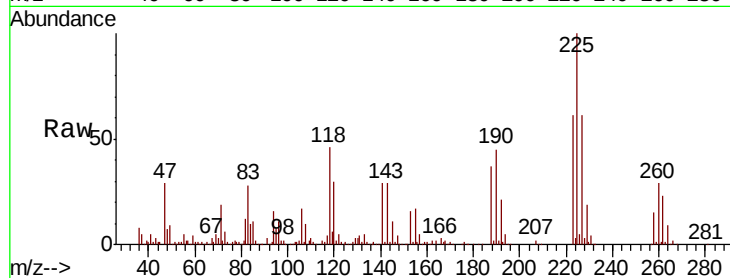
Tgt Ion:225 Resp: 150527

Ion Ratio Lower Upper

225 100

223 61.3 32.4 97.2

227 61.9 31.8 95.4

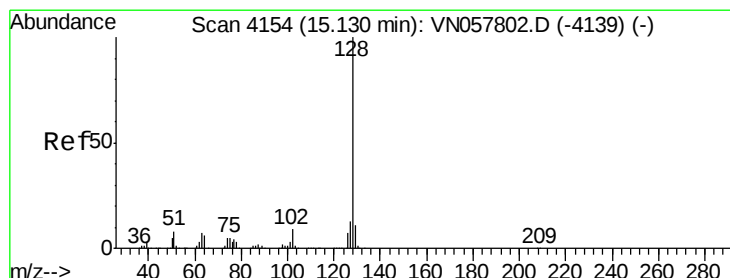
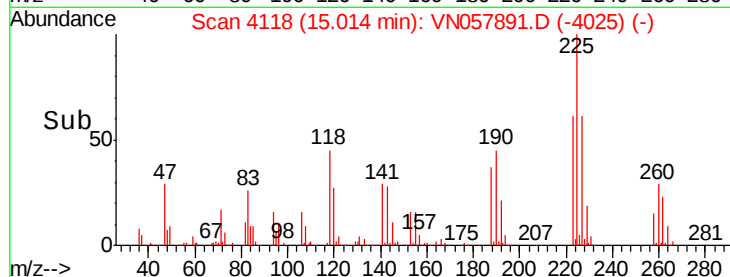
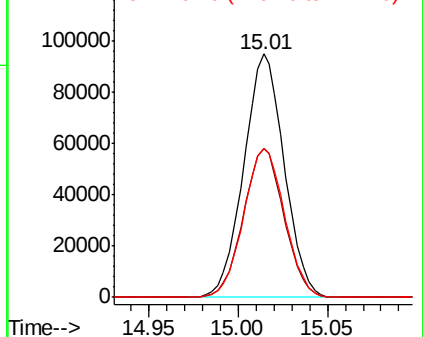


Abundance

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: 176.600 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

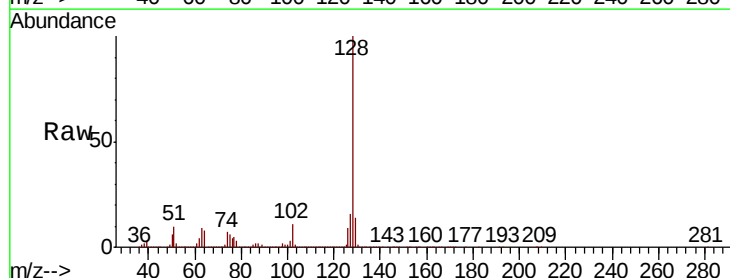
Tgt Ion:128 Resp: 3227860

Ion Ratio Lower Upper

128 100

127 14.7 10.3 15.5

129 12.2 8.6 12.8

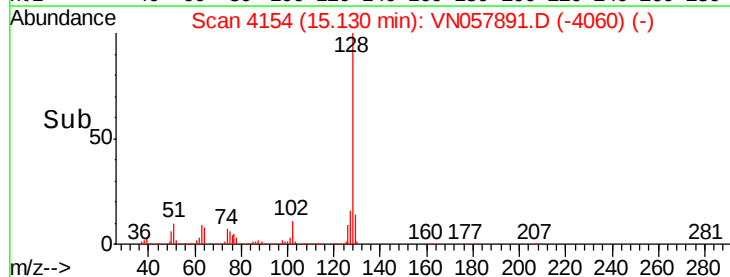
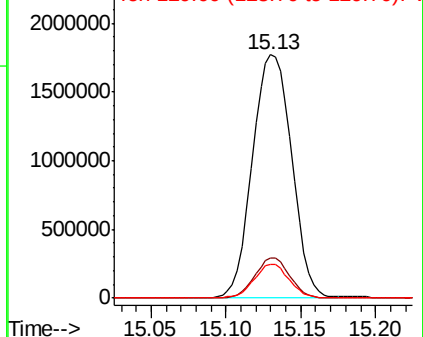


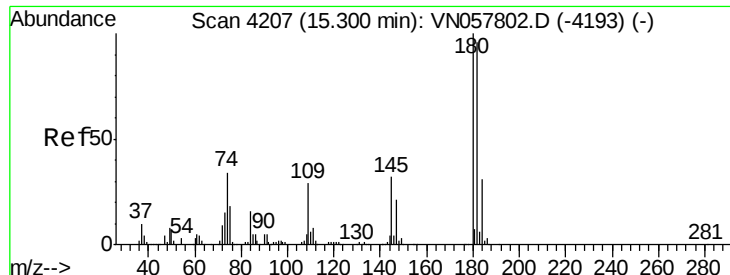
Abundance

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: 56.534 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.7	48.3	144.8
145	50.1	16.3	48.8#

