

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058445.D
 Acq On : 30 Sep 2019 18:52
 Operator : JC/SP
 Sample : K5080-07MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

Quant Time: Oct 01 01:34:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	403518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	692098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	636624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	306594	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	298264	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
35) Dibromofluoromethane	7.57	113	218245	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.08	98	849773	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.41	95	309896	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	219612	49.635	ug/l	100
3) Chloromethane	2.04	50	240242	49.389	ug/l	99
4) Vinyl Chloride	2.17	62	245661	51.554	ug/l	98
5) Bromomethane	2.54	94	117185	46.299	ug/l	99
6) Chloroethane	2.68	64	147491	51.658	ug/l	99
7) Trichlorofluoromethane	3.00	101	292277	50.828	ug/l	98
8) Diethyl Ether	3.39	74	126474	50.975	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	196544	50.328	ug/l	99
10) Methyl Iodide	3.93	142	208226	48.086	ug/l	99
11) Tert butyl alcohol	4.75	59	164215	250.678	ug/l	99
12) 1,1-Dichloroethene	3.72	96	189352	49.743	ug/l	98
13) Acrolein	3.59	56	89052	427.404	ug/l	100
14) Allyl chloride	4.30	41	349156	50.402	ug/l	100
15) Acrylonitrile	4.96	53	514829	269.657	ug/l	100
16) Acetone	3.79	43	439933	218.856	ug/l	97
17) Carbon Disulfide	4.03	76	515331	51.357	ug/l	98
18) Methyl Acetate	4.30	43	241148	47.698	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	679279	50.575	ug/l	100
20) Methylene Chloride	4.53	84	231462	49.896	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	210652	49.764	ug/l	96
22) Diisopropyl ether	5.93	45	763325	51.205	ug/l	96
23) Vinyl Acetate	5.87	43	3084871	274.450	ug/l	100
24) 1,1-Dichloroethane	5.83	63	435631	51.925	ug/l	99
25) 2-Butanone	6.81	43	698340	253.033	ug/l	98
26) 2,2-Dichloropropane	6.81	77	323905	46.961	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	250763	50.686	ug/l	99
28) Bromochloromethane	7.18	49	176294	52.569	ug/l	98
29) Tetrahydrofuran	7.19	42	464017	264.900	ug/l	99
30) Chloroform	7.35	83	471191	55.424	ug/l	100
31) Cyclohexane	7.64	56	399849	48.996	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	370446	53.062	ug/l	99
36) 1,1-Dichloropropene	7.78	75	331978	50.164	ug/l	99
37) Ethyl Acetate	6.91	43	295855	52.730	ug/l	99
38) Carbon Tetrachloride	7.76	117	319472	53.481	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	393986	50.980	ug/l	99
40) Benzene	8.03	78	977734	51.398	ug/l	100
41) Methacrylonitrile	7.19	41	439914	170.428	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	376912	50.928	ug/l	99
43) Isopropyl Acetate	8.15	43	502225	47.600	ug/l	99
44) Trichloroethene	8.82	130	240598	51.223	ug/l	100
45) 1,2-Dichloropropane	9.11	63	264682	51.880	ug/l	99
46) Dibromomethane	9.20	93	169735	52.535	ug/l	97
47) Bromodichloromethane	9.39	83	333837	54.535	ug/l	100
48) Methyl methacrylate	9.19	41	248957	51.819	ug/l	99
49) 1,4-Dioxane	9.19	88	80322	1250.345	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1517848	280.065	ug/l	100
52) Toluene	10.15	92	607256	50.717	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	364032	54.637	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	394156	53.293	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	234270	53.735	ug/l	97
56) Ethyl methacrylate	10.43	69	366066	55.335	ug/l	100
57) 1,3-Dichloropropane	10.71	76	417349	53.668	ug/l	100
59) 2-Hexanone	10.75	43	1088701	275.879	ug/l	100
60) Dibromochloromethane	10.90	129	238882	52.945	ug/l	99
61) 1,2-Dibromoethane	11.00	107	238004	53.427	ug/l	99
64) Tetrachloroethene	10.63	164	191930	47.452	ug/l	100
65) Chlorobenzene	11.43	112	643413	50.844	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	224055	52.550	ug/l	99
67) Ethyl Benzene	11.51	91	1193692	52.078	ug/l	99
68) m/p-Xylenes	11.62	106	879675	102.005	ug/l	98
69) o-Xylene	11.95	106	424449	51.128	ug/l	98
70) Stvrene	11.97	104	718646	53.286	ug/l	99
71) Bromoform	12.13	173	154039	52.248	ug/l #	98
73) Isopropylbenzene	12.25	105	1169522	51.616	ug/l	100
74) N-amyl acetate	12.07	43	449771	49.897	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	343529	51.273	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	426150	76.099	ug/l #	100
77) Bromobenzene	12.53	156	264529	49.791	ug/l	99
78) n-propylbenzene	12.60	91	1366299	53.524	ug/l	100
79) 2-Chlorotoluene	12.68	91	800355	50.797	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	988031	52.092	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.31	75	91780	49.777	ug/l	95
82) 4-Chlorotoluene	12.78	91	820955	51.062	ug/l	99
83) tert-Butylbenzene	13.00	119	827836	51.724	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	984947	51.831	ug/l	99
85) sec-Butylbenzene	13.18	105	1129163	53.603	ug/l	100
86) p-Isopropyltoluene	13.30	119	1006288	54.269	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	484156	50.257	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	476947	49.761	ug/l	99
89) n-Butylbenzene	13.62	91	885186	52.700	ug/l	100
90) Hexachloroethane	13.88	117	159817	57.365	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	477438	51.580	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	63756	53.961	ug/l	97
93) 1,2,4-Trichlorobenzene	14.92	180	267647	52.327	ug/l	99

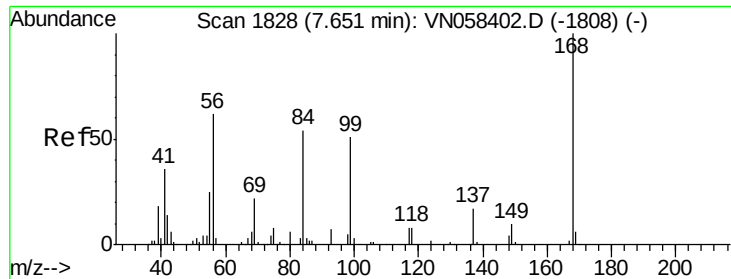
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Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	130080	49.479	ug/l	99
95) Naphthalene	15.13	128	718706	47.979	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	250387	48.826	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

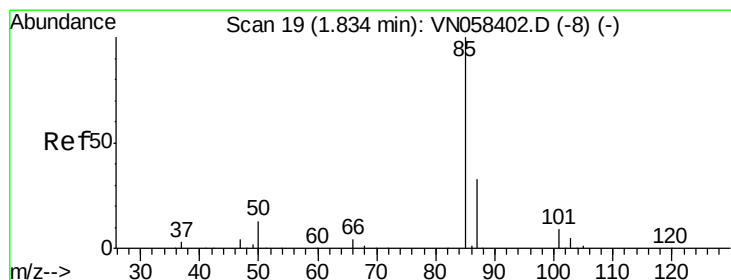
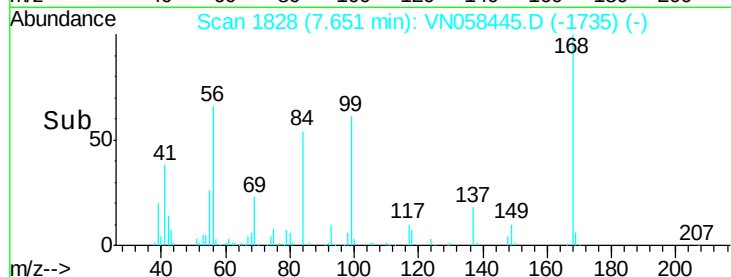
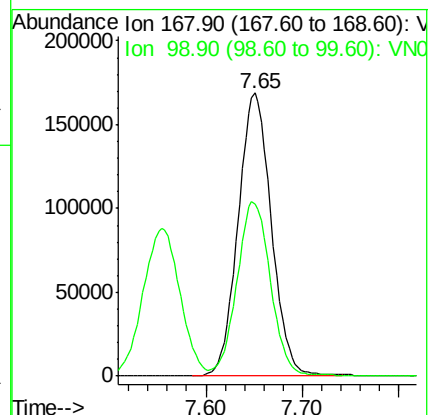
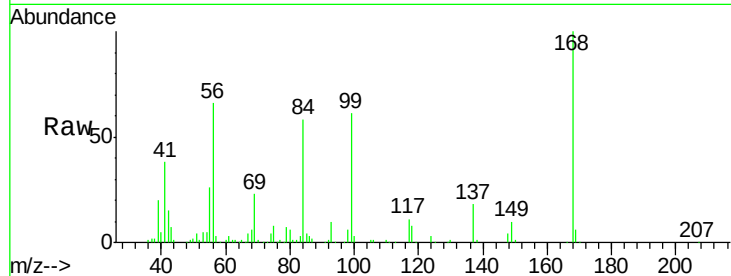
SA-MW184S-20190924MS

Tot Ion:168 Resp: 403518

Ion Ratio Lower Upper

168 100

99 60.7 47.7 71.5



#2

Dichlorodifluoromethane

Concen: 49.635 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058445.D

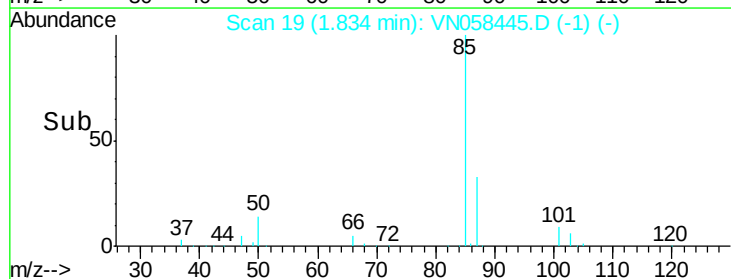
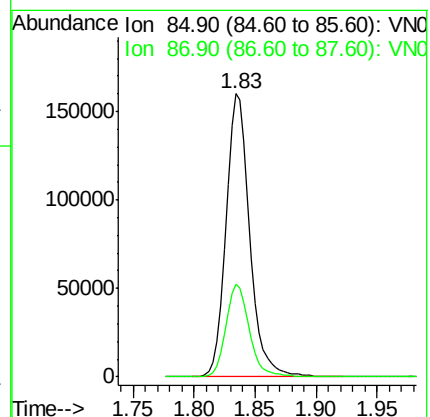
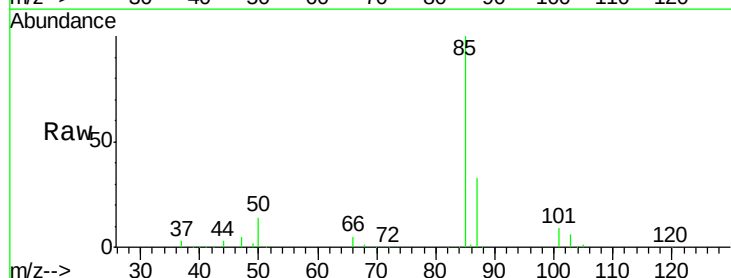
Acq: 30 Sep 2019 18:52

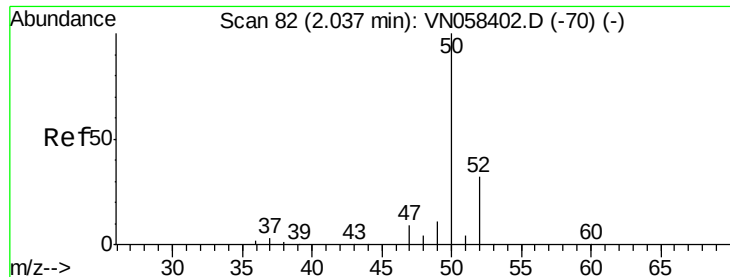
Tgt Ion: 85 Resp: 219612

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.1





#3

Chloromethane

Concen: 49.389 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

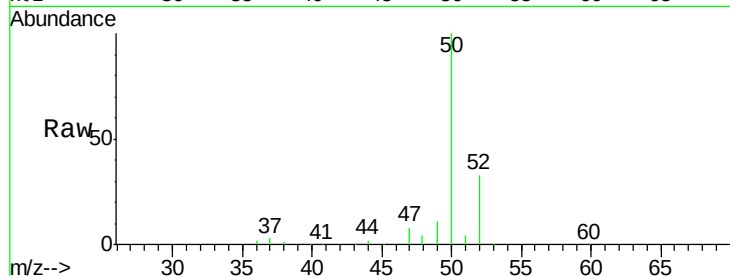
SA-MW184S-20190924MS

Tot Ion: 50 Resp: 240242

Ion Ratio Lower Upper

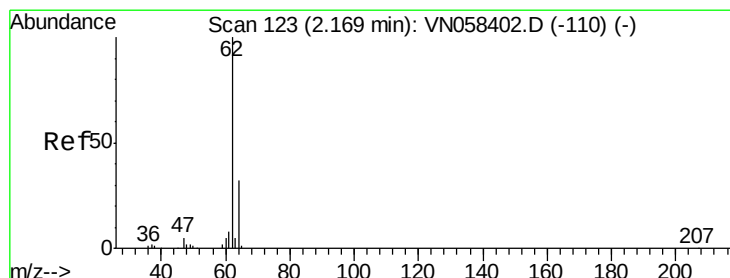
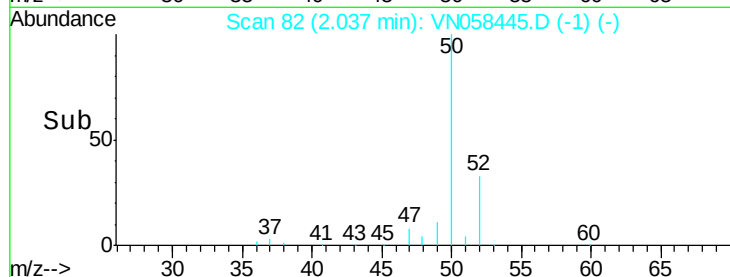
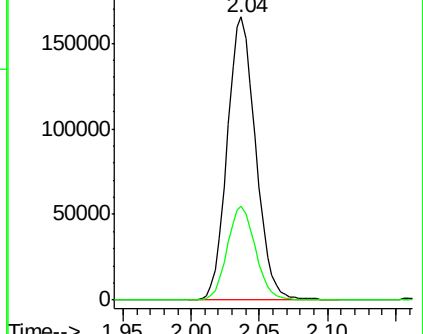
50 100

52 33.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 51.554 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058445.D

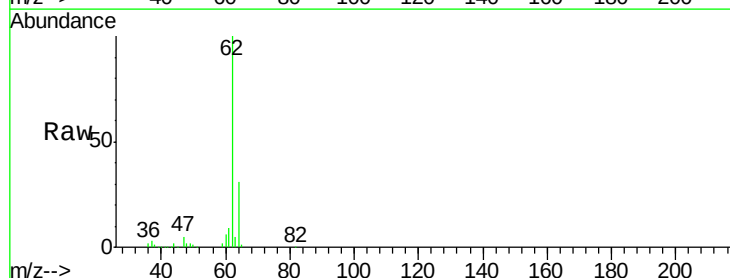
Acq: 30 Sep 2019 18:52

Tgt Ion: 62 Resp: 245661

Ion Ratio Lower Upper

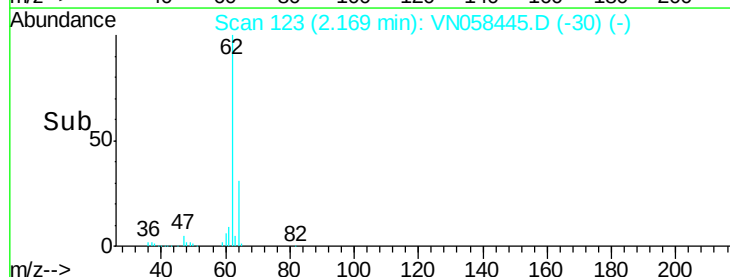
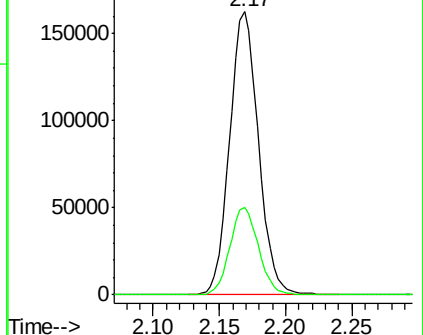
62 100

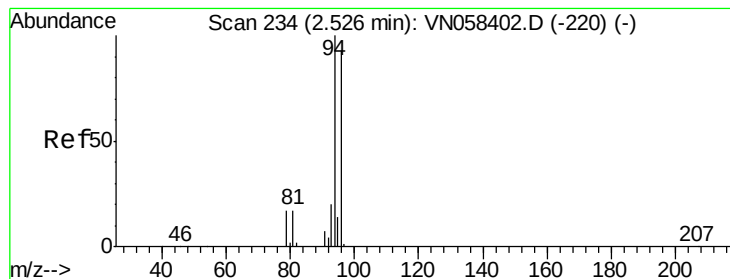
64 31.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 46.299 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

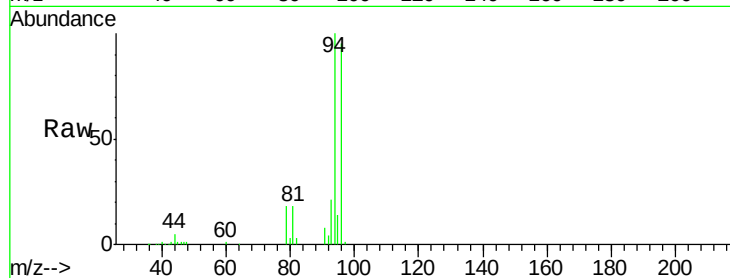
SA-MW184S-20190924MS

Tot Ion: 94 Resp: 117185

Ion Ratio Lower Upper

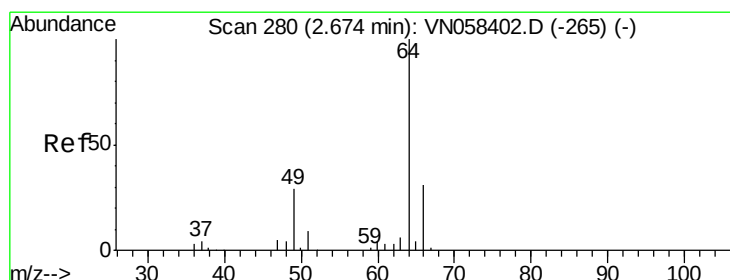
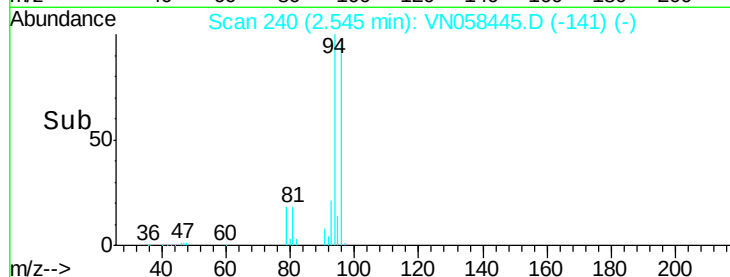
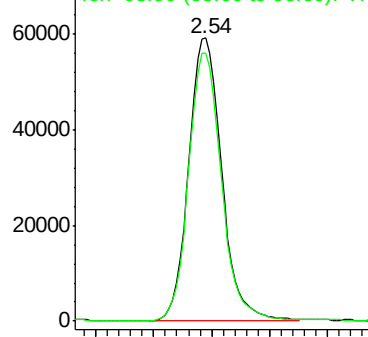
94 100

96 94.8 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.658 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058445.D

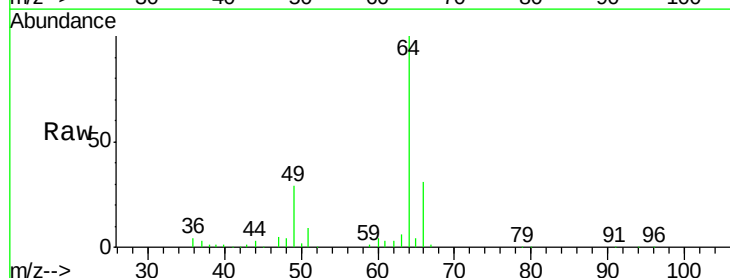
Acq: 30 Sep 2019 18:52

Tgt Ion: 64 Resp: 147491

Ion Ratio Lower Upper

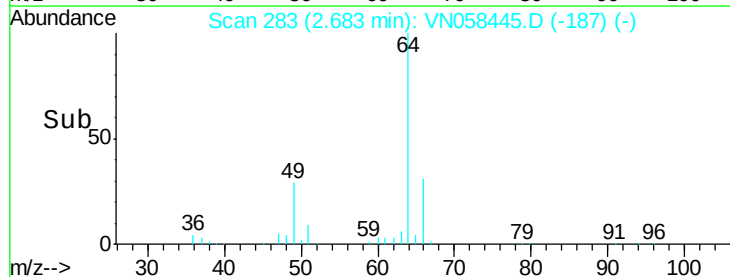
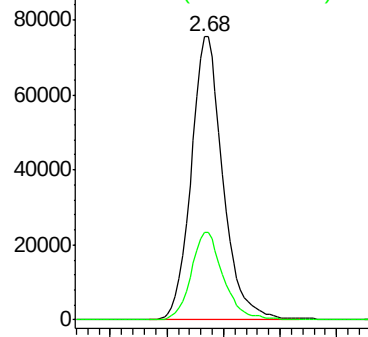
64 100

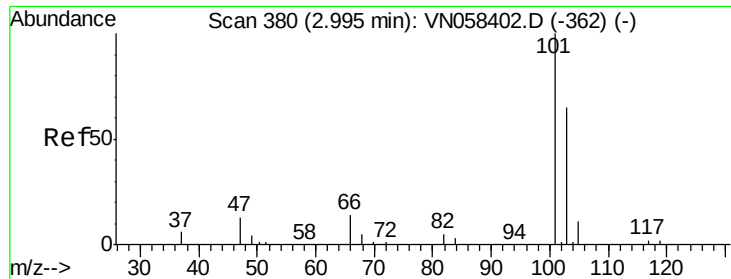
66 31.0 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



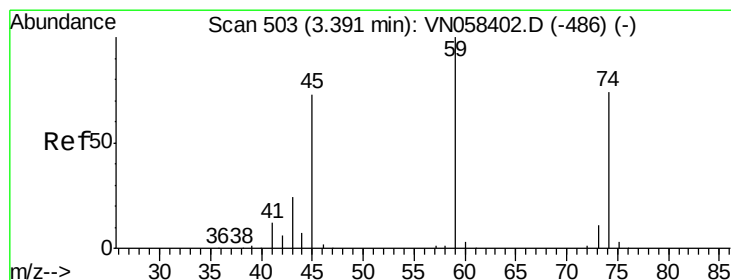
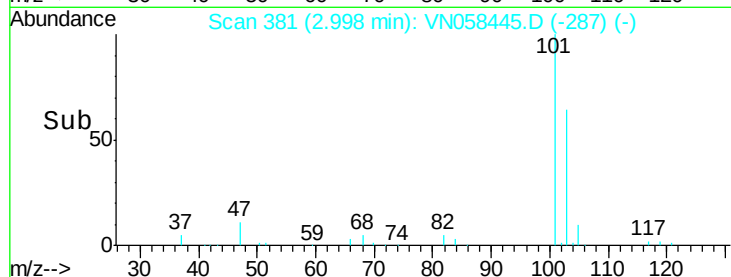
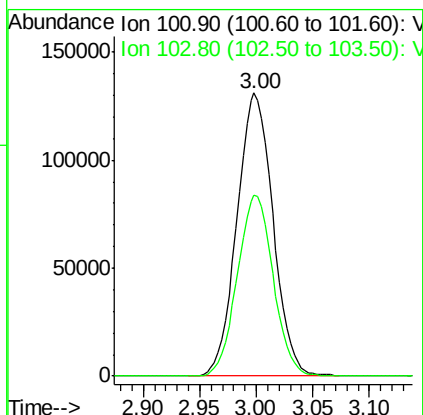
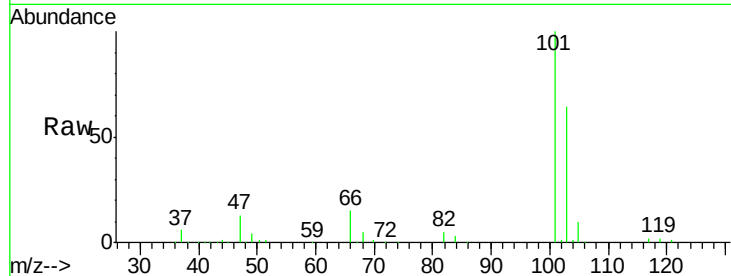


#7

Trichlorofluoromethane
 Concen: 50.828 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Instrument :
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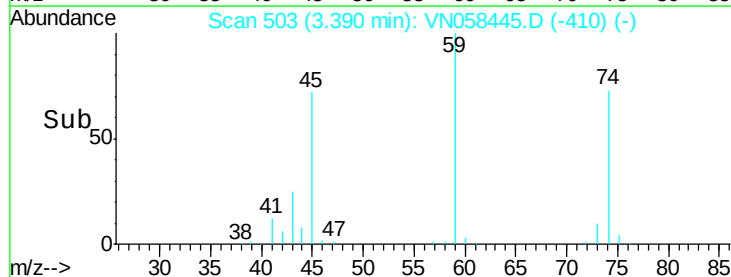
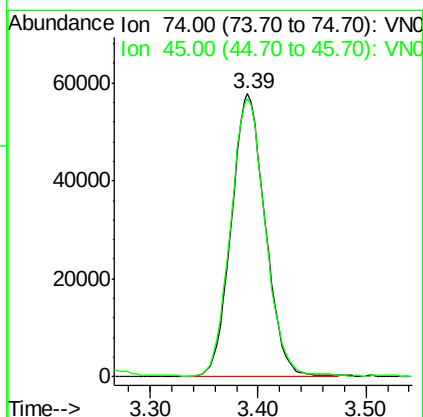
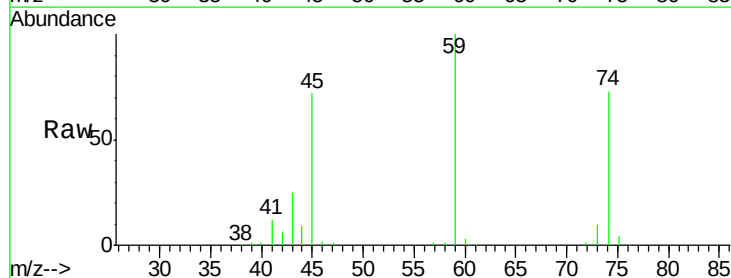
Tot Ion:101 Resp: 292277
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.3 78.5

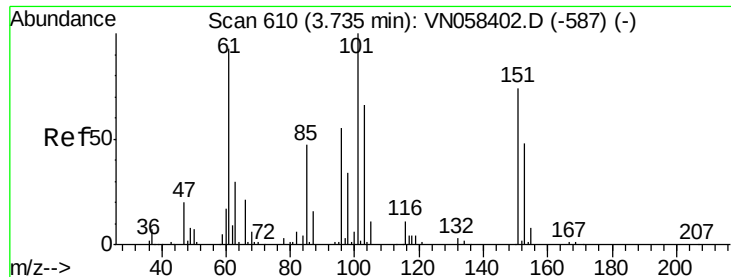


#8

Diethyl Ether
 Concen: 50.975 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Tgt Ion: 74 Resp: 126474
 Ion Ratio Lower Upper
 74 100
 45 99.7 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.328 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MS

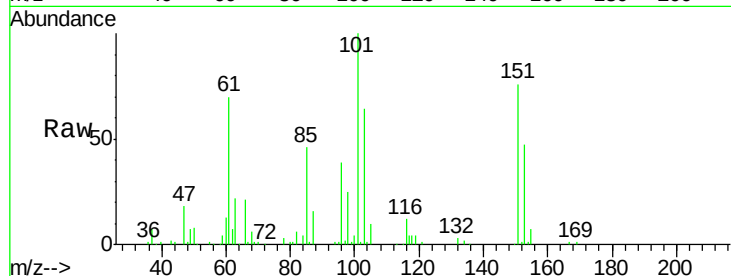
Tot Ion:101 Resp: 196544

Ion Ratio Lower Upper

101 100

85 46.7 36.7 55.1

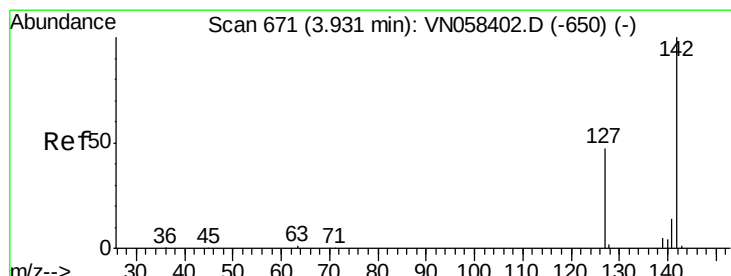
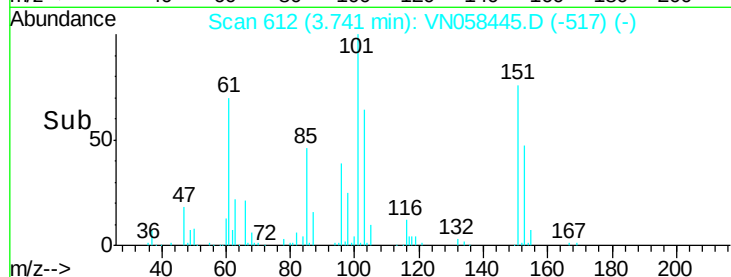
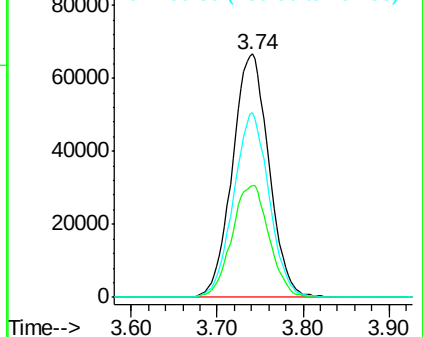
151 73.8 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.086 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

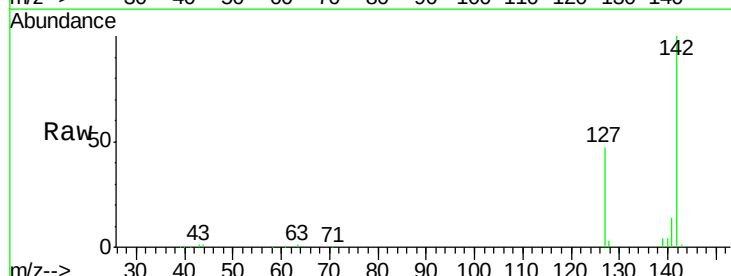
Tgt Ion:142 Resp: 208226

Ion Ratio Lower Upper

142 100

127 45.5 37.2 55.8

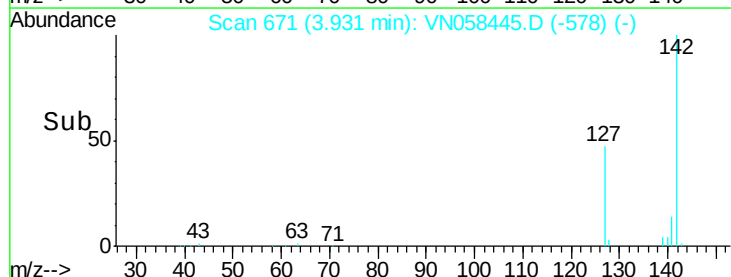
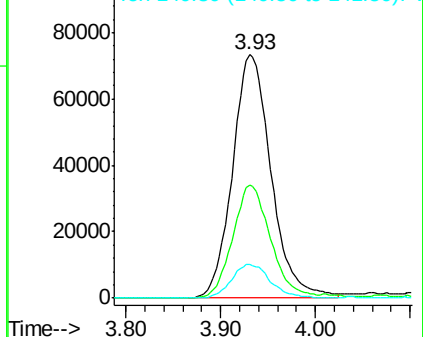
141 14.0 11.3 16.9

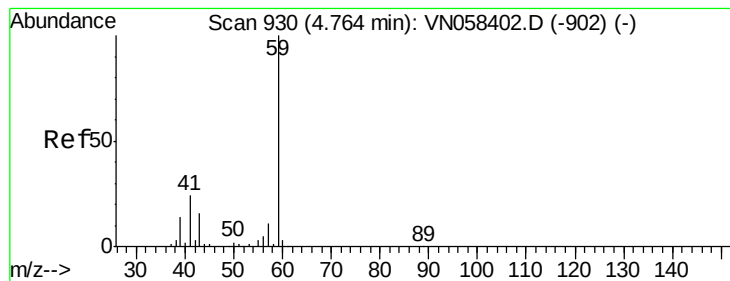


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



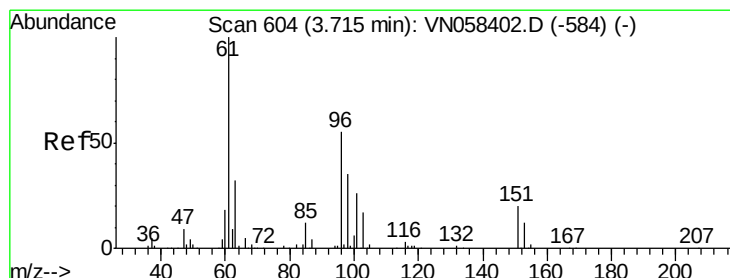
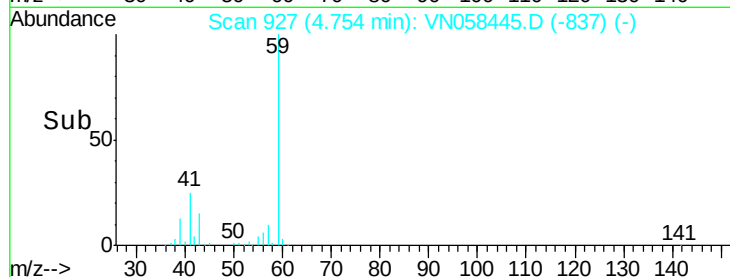
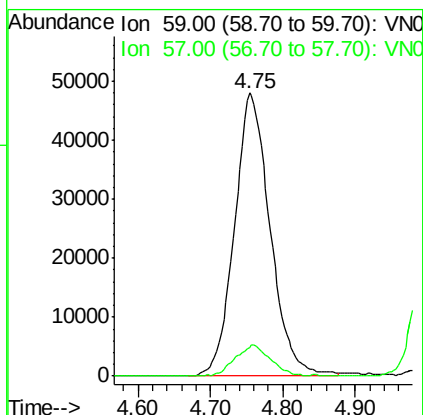
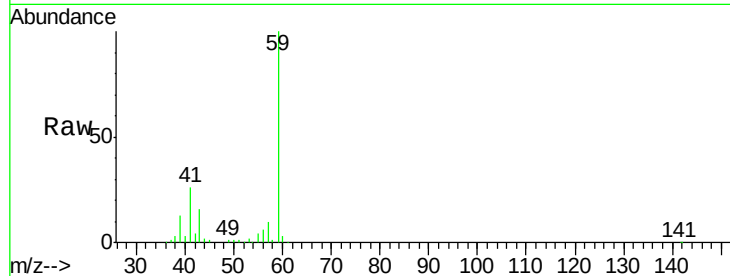


#11

Tert butyl alcohol
 Concen: 250.678 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

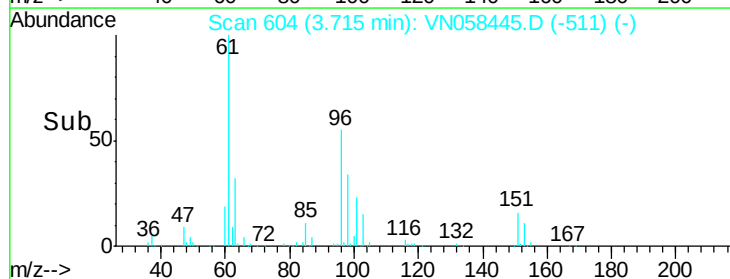
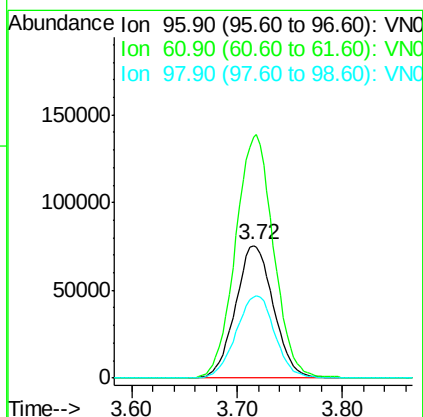
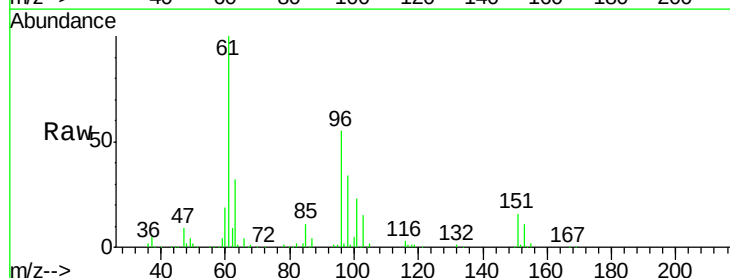
Tot Ion: 59 Resp: 164215
 Ion Ratio Lower Upper
 59 100
 57 10.8 9.0 13.4

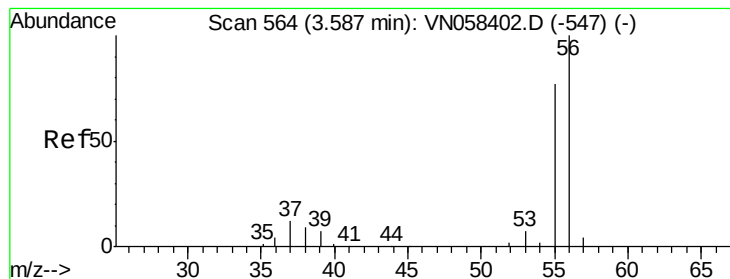


#12

1,1-Dichloroethene
 Concen: 49.743 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Tgt Ion: 96 Resp: 189352
 Ion Ratio Lower Upper
 96 100
 61 181.9 146.7 220.1
 98 61.2 51.3 76.9





#13

Acrolein

Concen: 427.404 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

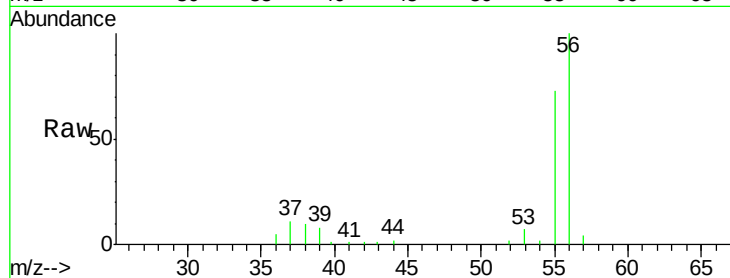
SA-MW184S-20190924MS

Tot Ion: 56 Resp: 89052

Ion Ratio Lower Upper

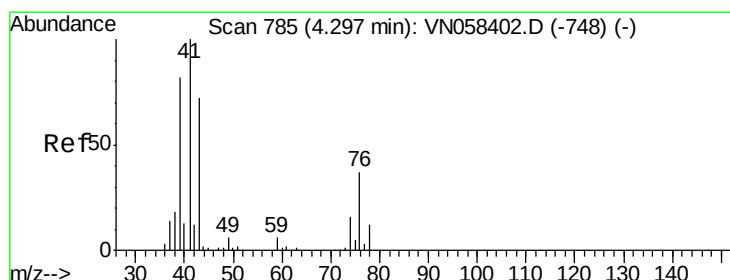
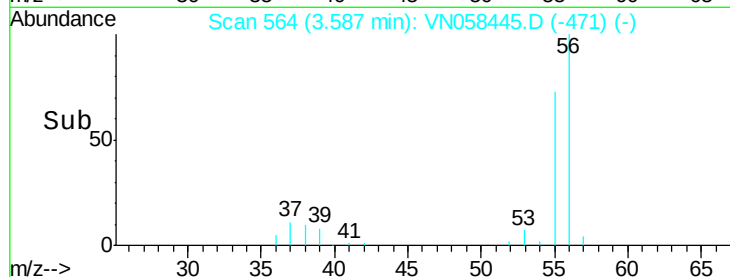
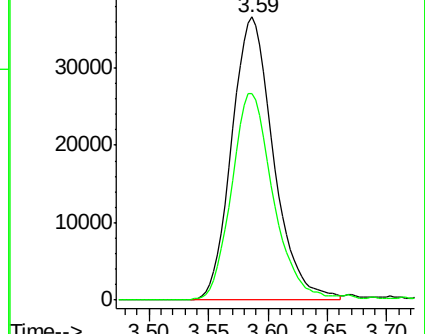
56 100

55 72.5 58.3 87.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.402 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

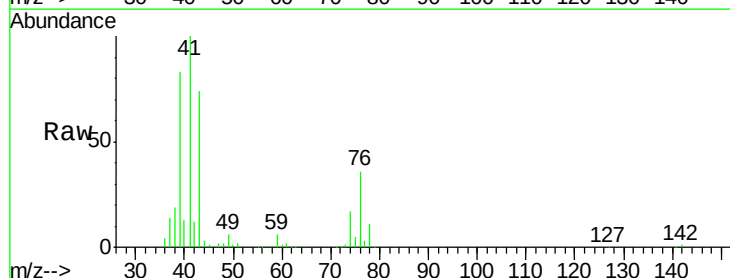
Tgt Ion: 41 Resp: 349156

Ion Ratio Lower Upper

41 100

39 77.9 62.3 93.5

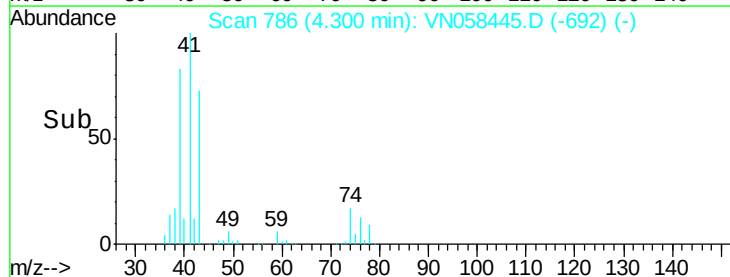
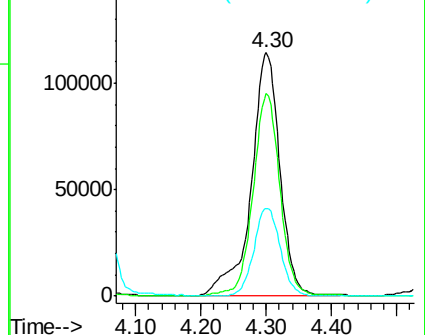
76 32.9 26.9 40.3

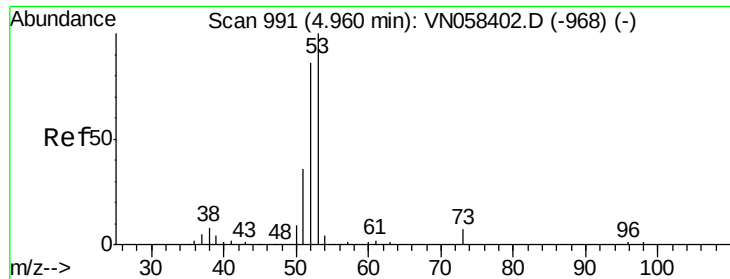


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 269.657 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MS

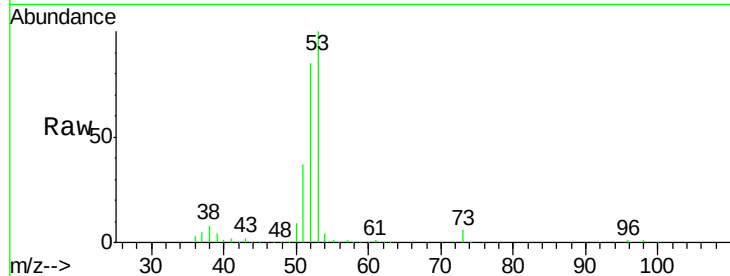
Tot Ion: 53 Resp: 514829

Ion Ratio Lower Upper

53 100

52 83.4 66.6 100.0

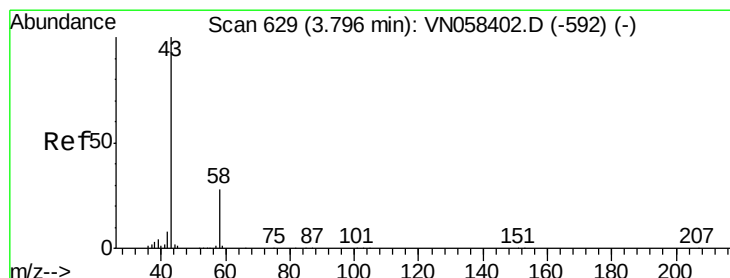
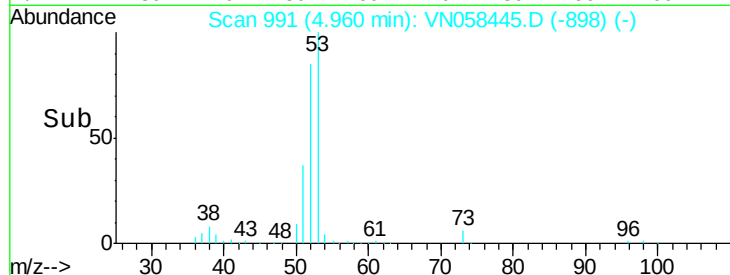
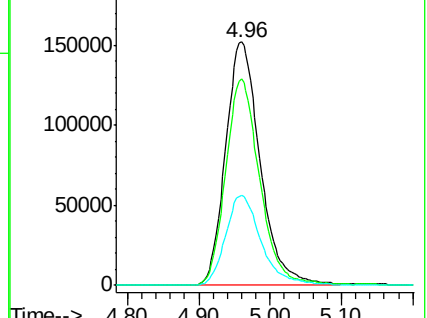
51 38.0 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 218.856 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058445.D

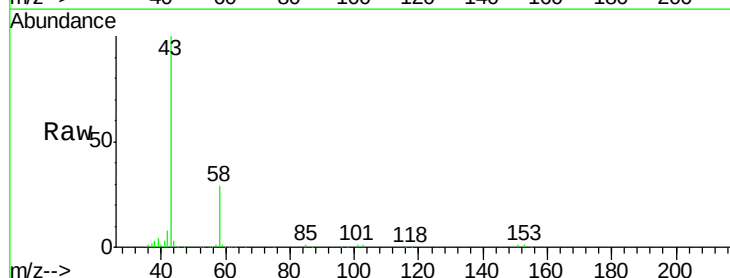
Acq: 30 Sep 2019 18:52

Tgt Ion: 43 Resp: 439933

Ion Ratio Lower Upper

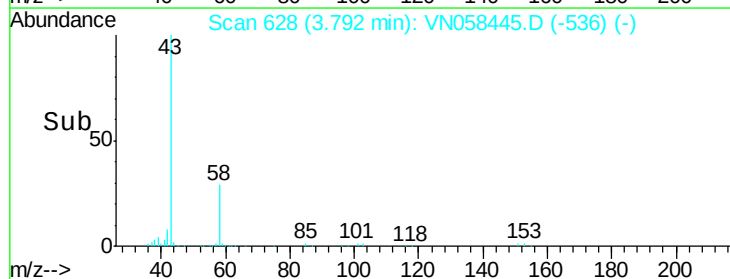
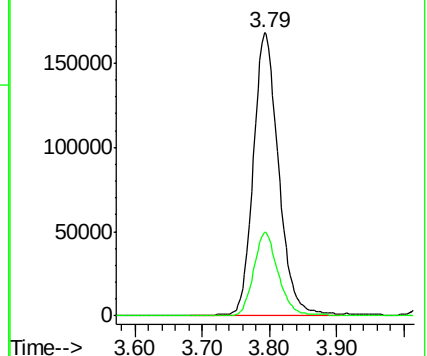
43 100

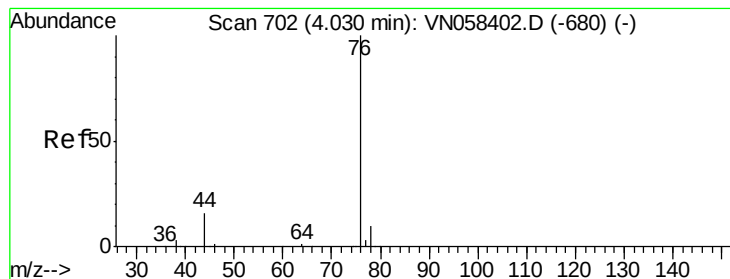
58 29.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 51.357 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

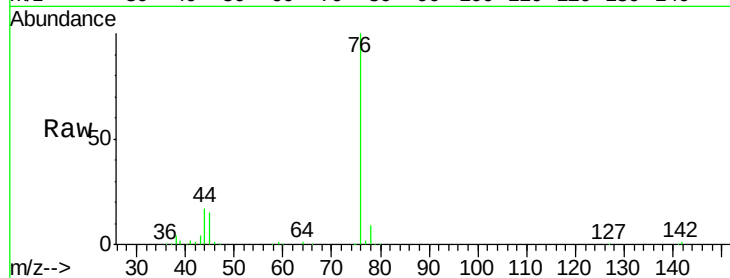
SA-MW184S-20190924MS

Tot Ion: 76 Resp: 515331

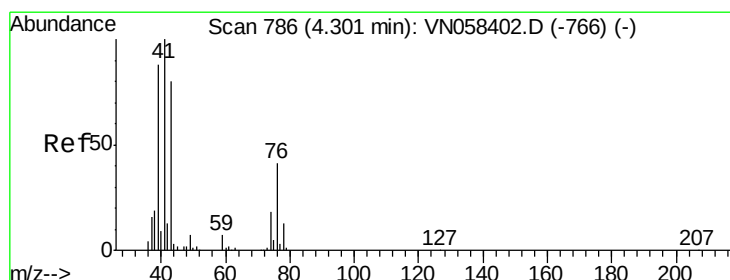
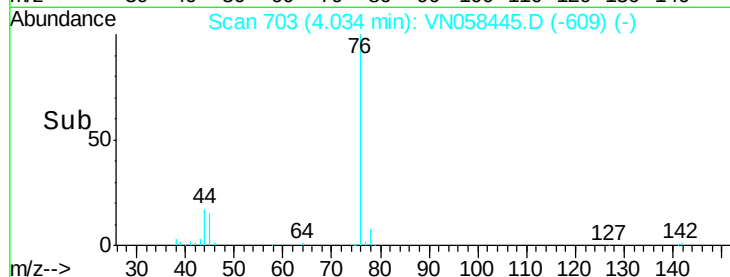
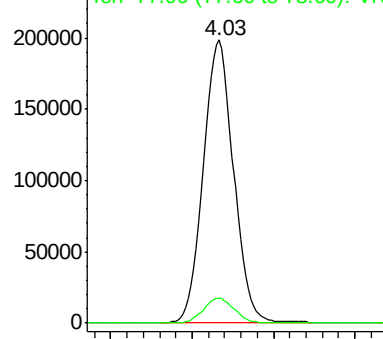
Ion Ratio Lower Upper

76 100

78 8.9 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 47.698 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058445.D

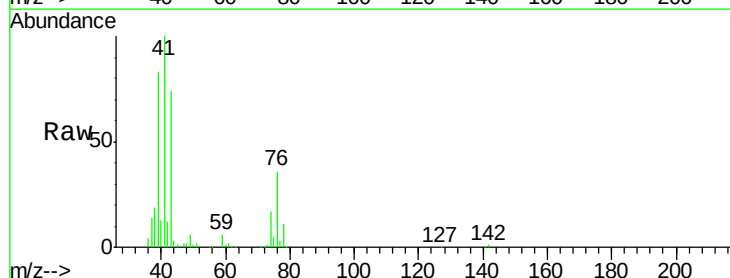
Acq: 30 Sep 2019 18:52

Tgt Ion: 43 Resp: 241148

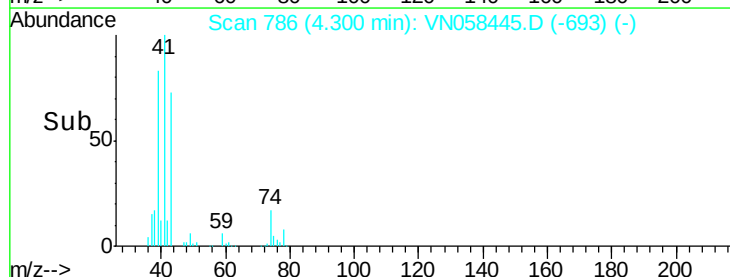
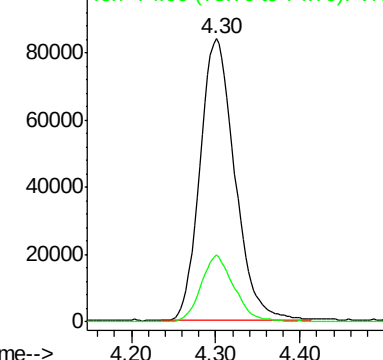
Ion Ratio Lower Upper

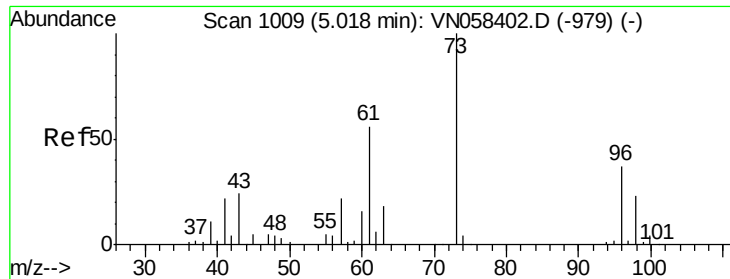
43 100

74 22.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

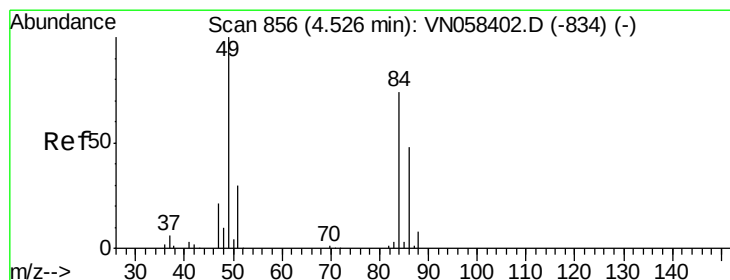
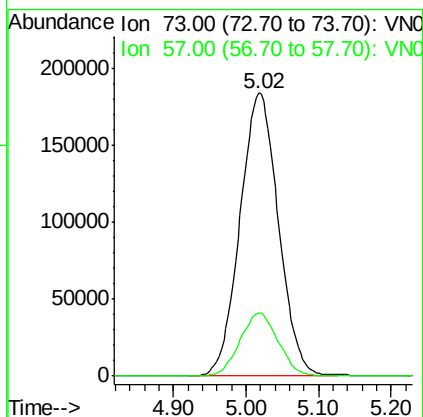
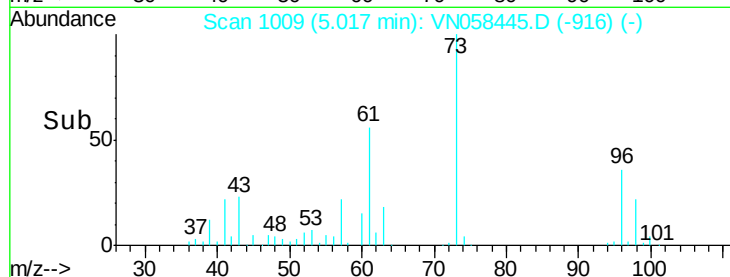
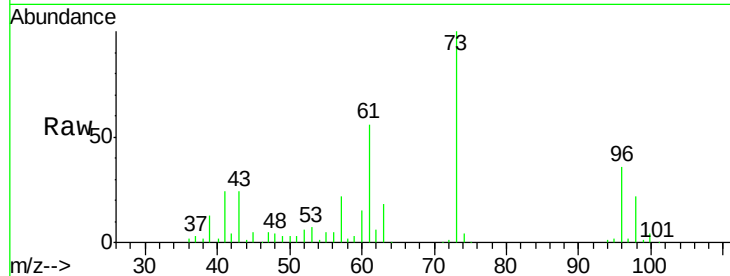




#19
Methvl tert-butyl Ether
Concen: 50.575 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

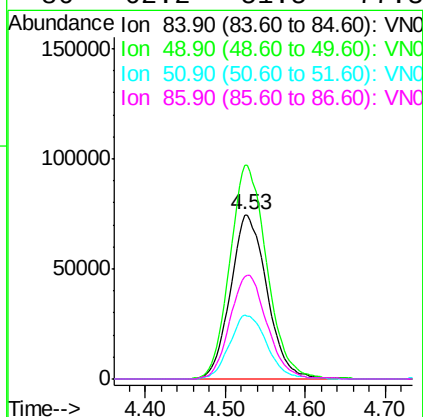
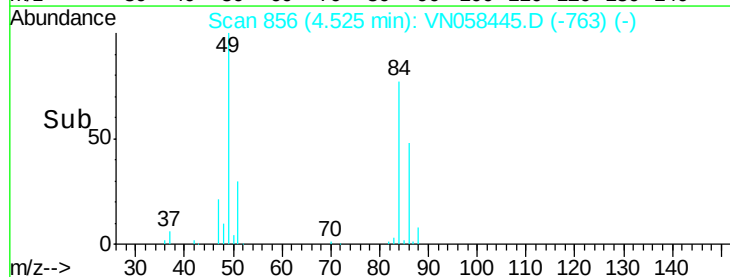
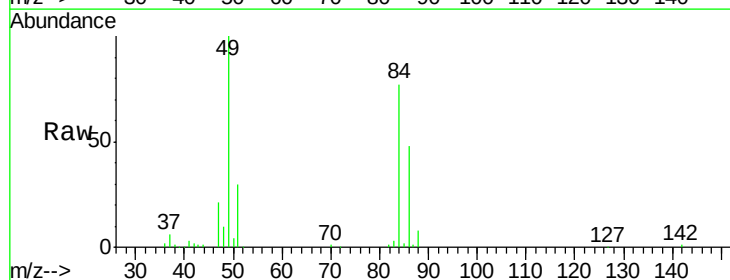
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

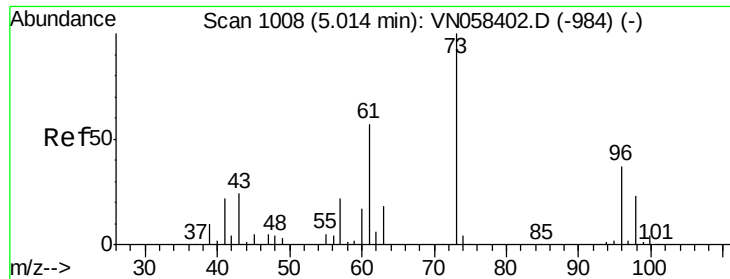
Tot Ion: 73 Resp: 679279
Ion Ratio Lower Upper
73 100
57 22.2 17.6 26.4



#20
Methylene Chloride
Concen: 49.896 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Tgt Ion: 84 Resp: 231462
Ion Ratio Lower Upper
84 100
49 130.1 107.9 161.9
51 38.8 32.8 49.2
86 62.2 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.764 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MS

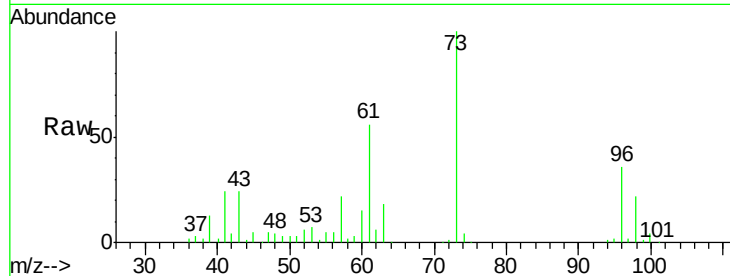
Tot Ion: 96 Resp: 210652

Ion Ratio Lower Upper

96 100

61 158.7 121.9 182.9

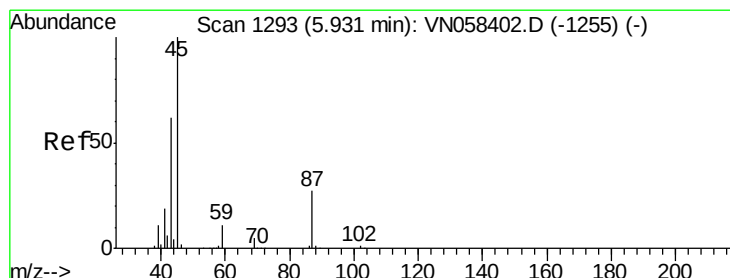
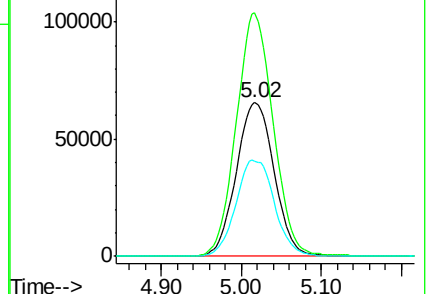
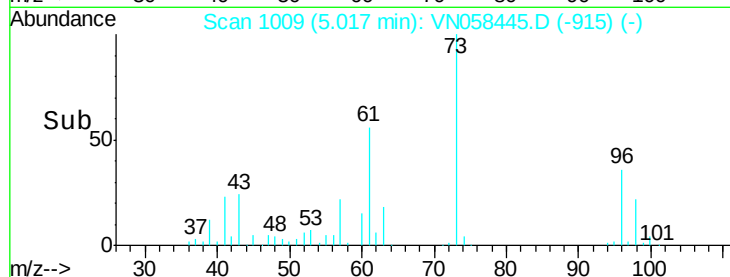
98 62.1 49.3 73.9



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: 51.205 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Tgt Ion: 45 Resp: 763325

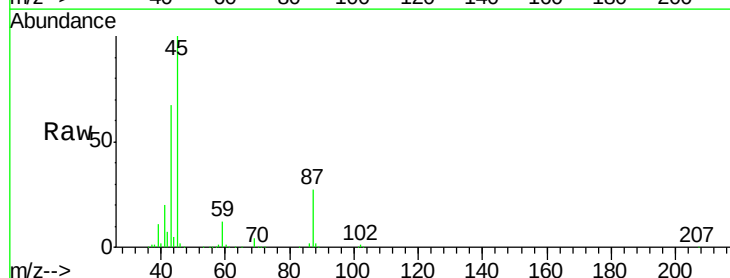
Ion Ratio Lower Upper

45 100

43 67.1 49.7 74.5

87 26.5 21.5 32.3

59 11.6 8.9 13.3

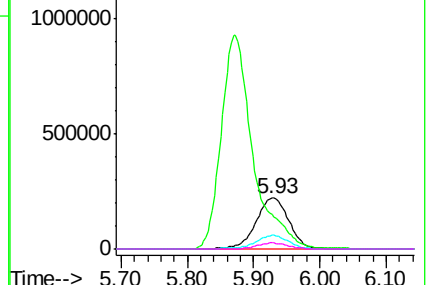
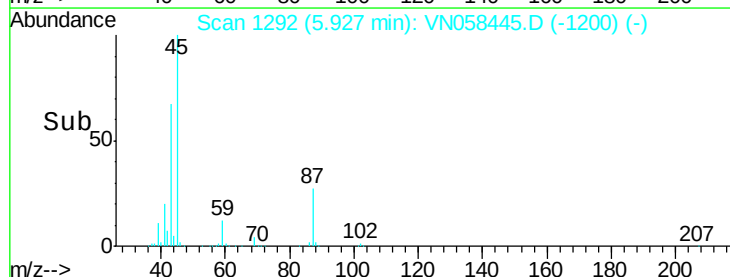


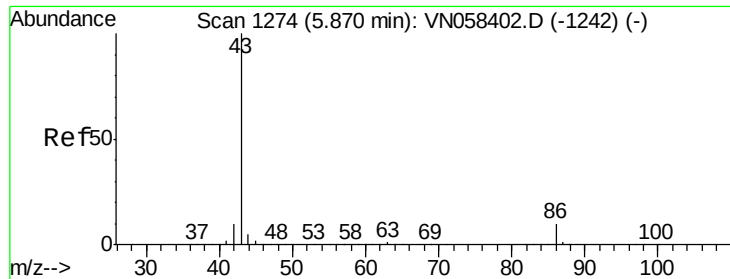
Abundance Ion 45.00 (44.70 to 45.70): VN0

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

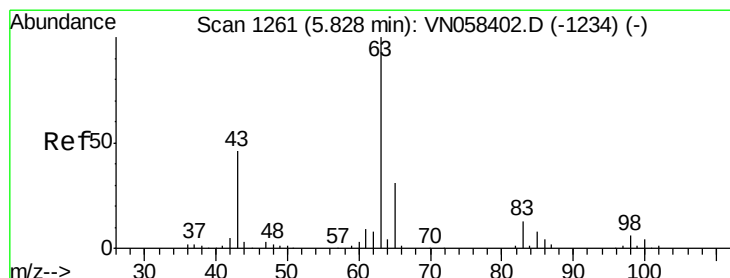
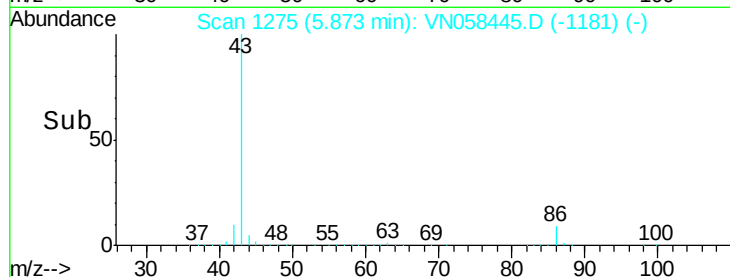
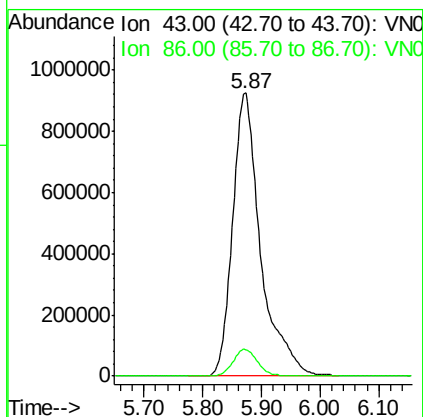
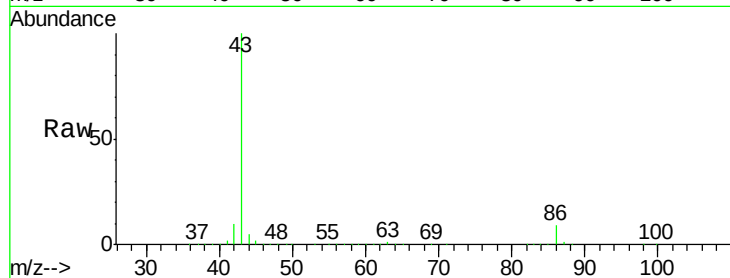




#23
 Vinyl Acetate
 Concen: 274.450 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

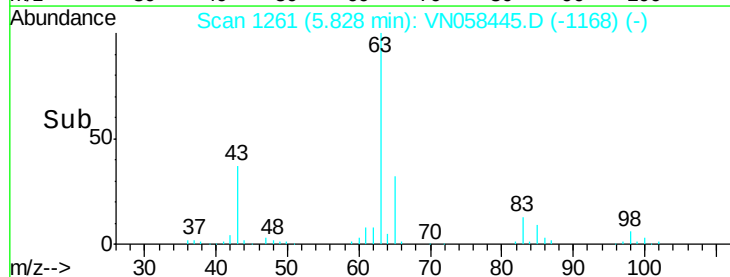
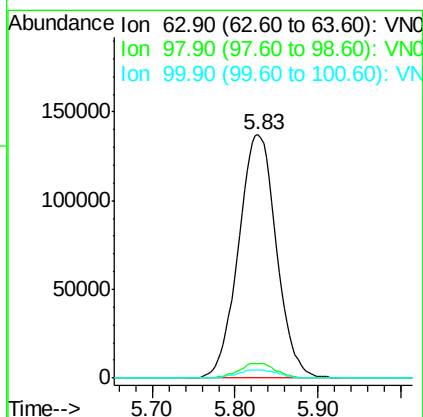
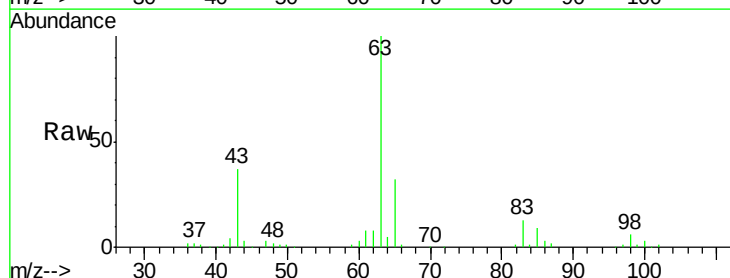
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

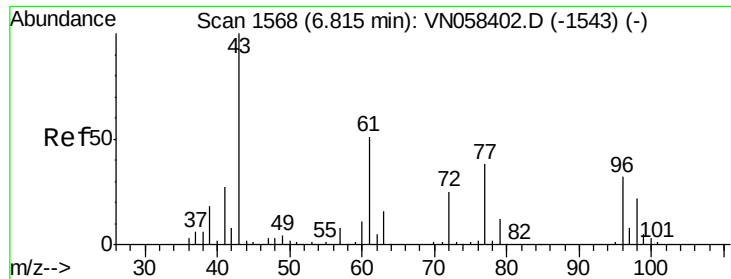
Tot Ion: 43 Resp: 3084871
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 51.925 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Tgt Ion: 63 Resp: 435631
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.0 9.0
 100 3.5 2.0 5.8

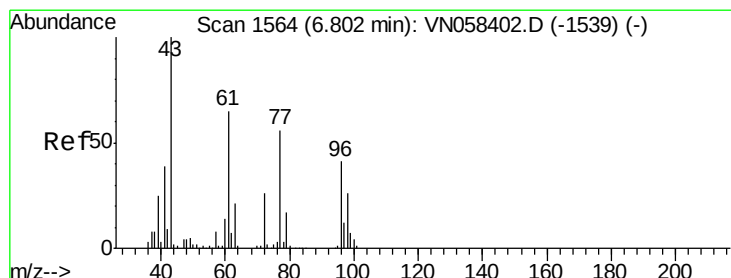
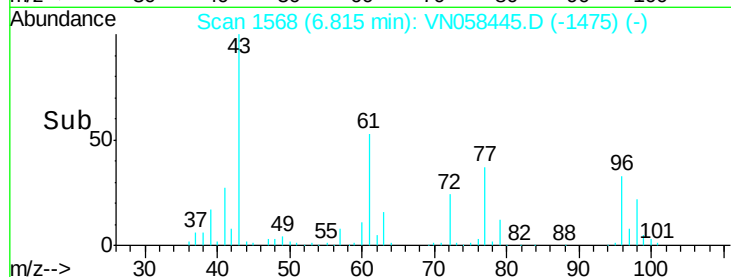
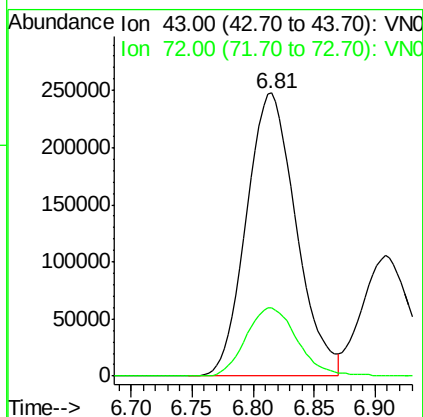
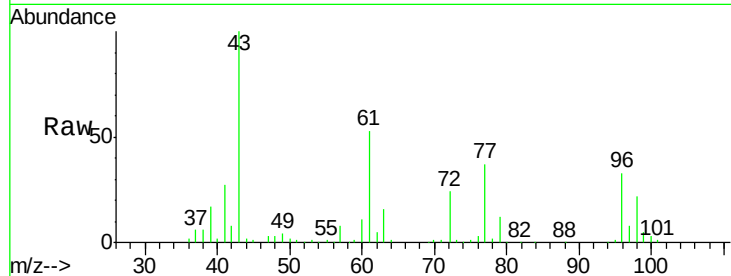




#25
2-Butanone
Concen: 253.033 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

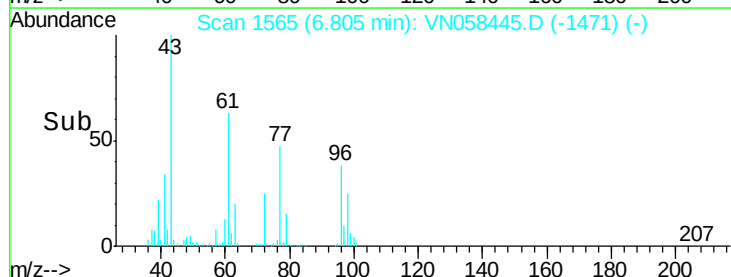
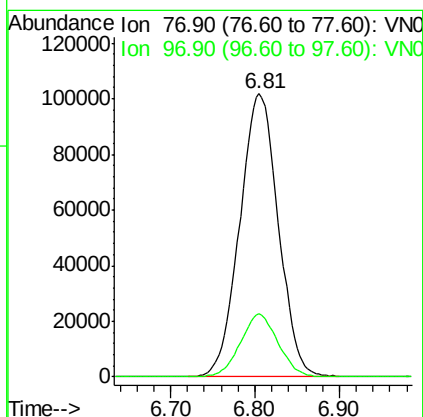
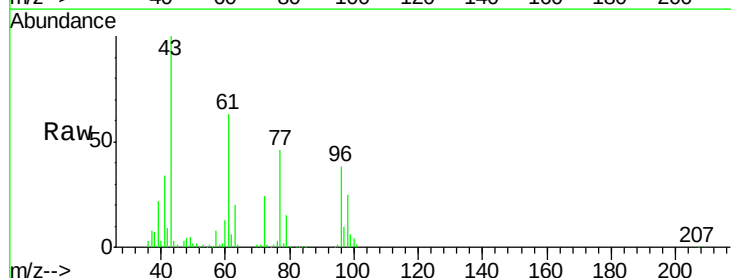
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

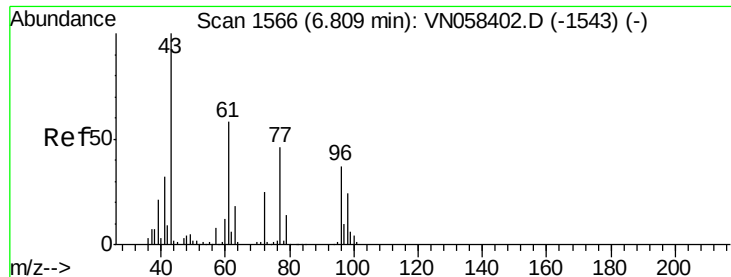
Tot Ion: 43 Resp: 698340
Ion Ratio Lower Upper
43 100
72 24.1 20.2 30.4



#26
2,2-Dichloropropane
Concen: 46.961 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Tgt Ion: 77 Resp: 323905
Ion Ratio Lower Upper
77 100
97 21.7 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 50.686 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MS

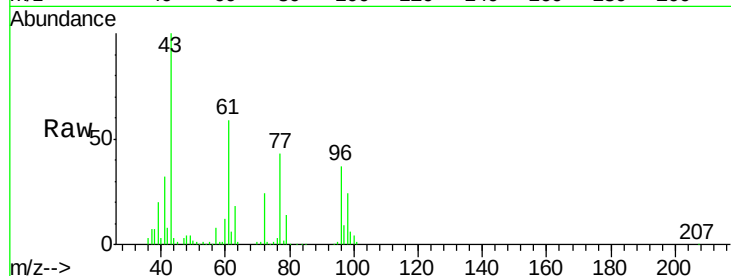
Tot Ion: 96 Resp: 250763

Ion Ratio Lower Upper

96 100

61 160.8 0.0 318.8

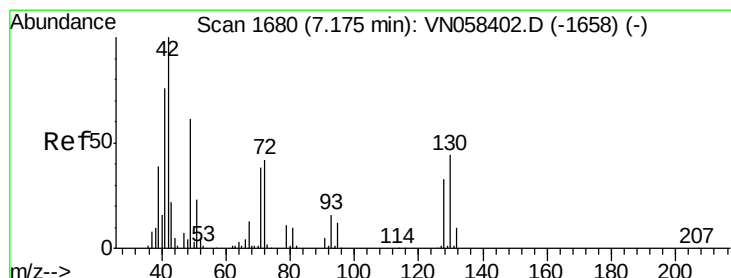
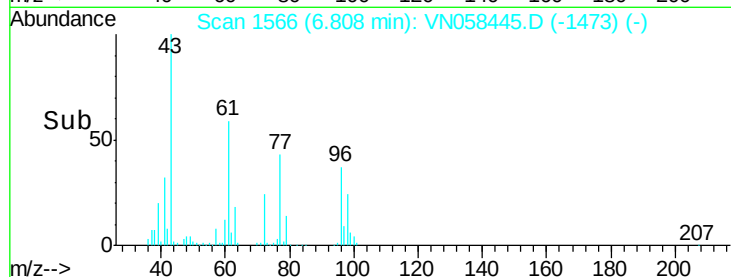
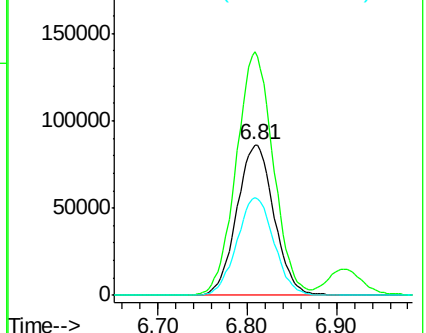
98 64.6 0.0 129.8



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: 52.569 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

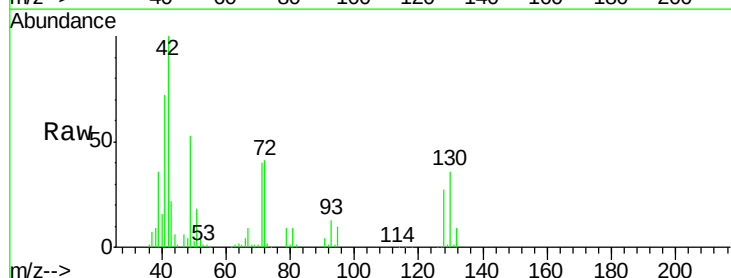
Tgt Ion: 49 Resp: 176294

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.4

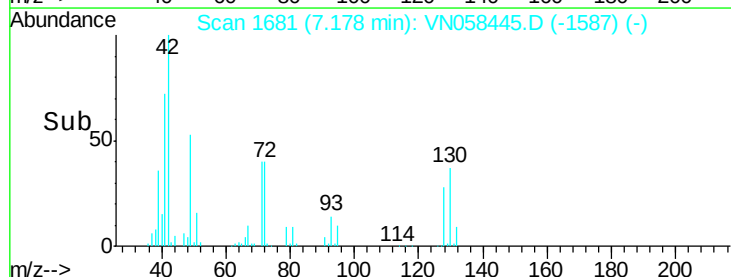
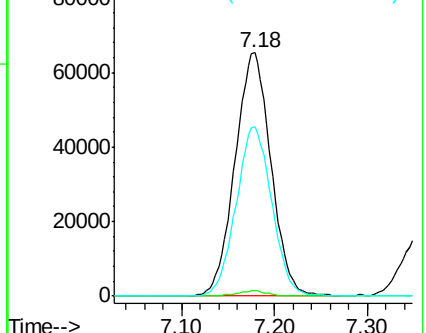
130 68.9 56.3 84.5

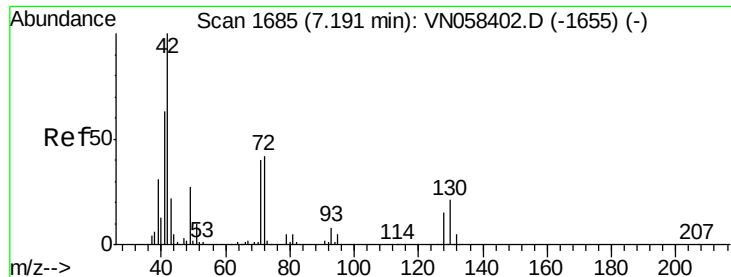


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 264.900 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MS

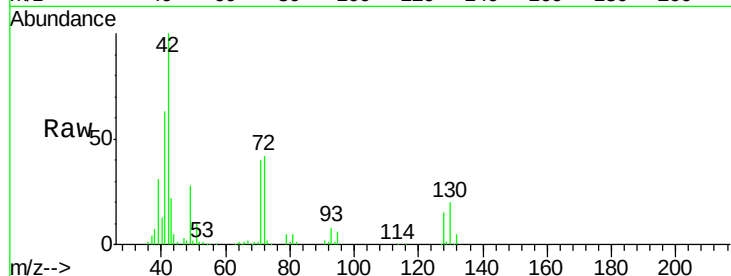
Tot Ion: 42 Resp: 464017

Ion Ratio Lower Upper

42 100

72 41.9 33.7 50.5

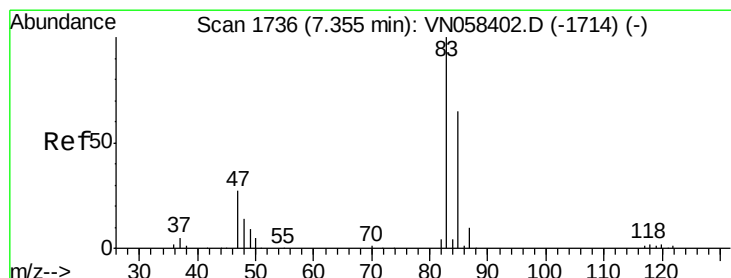
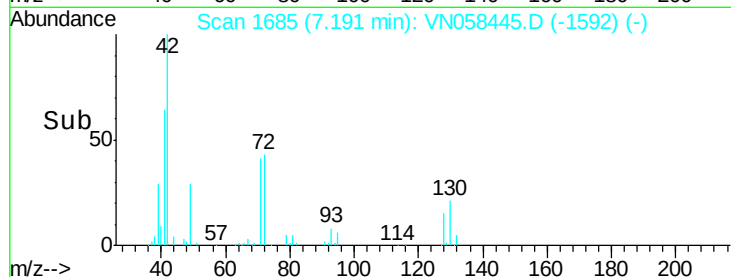
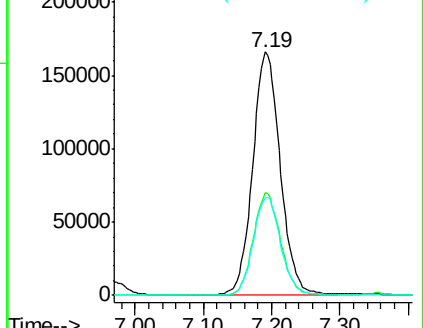
71 40.2 31.8 47.6



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 55.424 ug/l

RT: 7.35 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058445.D

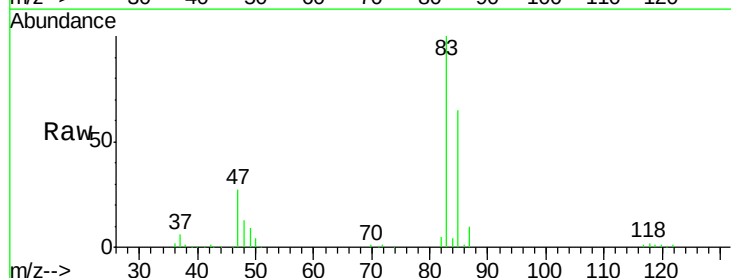
Acq: 30 Sep 2019 18:52

Tgt Ion: 83 Resp: 471191

Ion Ratio Lower Upper

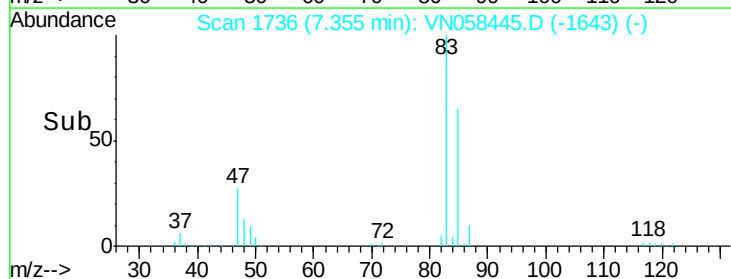
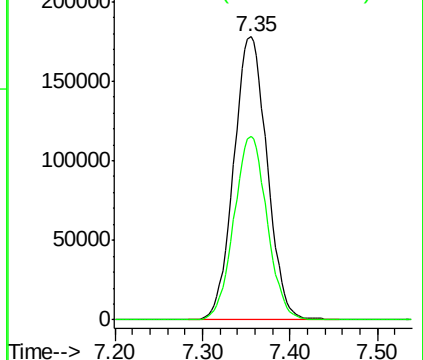
83 100

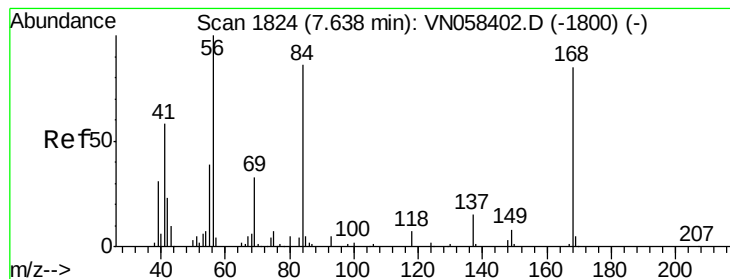
85 64.8 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.996 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MS

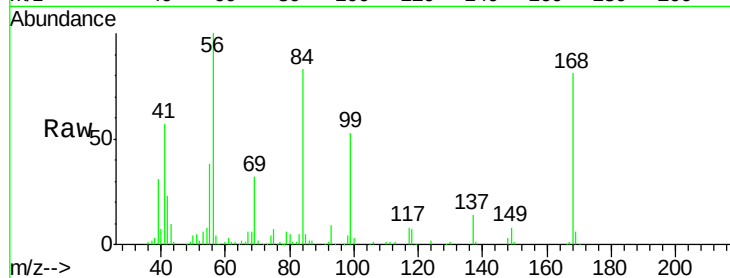
Tot Ion: 56 Resp: 399849

Ion Ratio Lower Upper

56 100

69 32.3 26.2 39.4

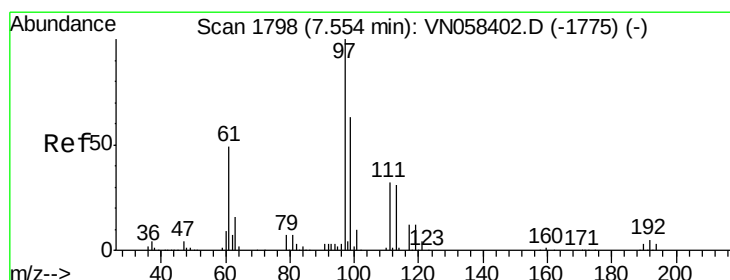
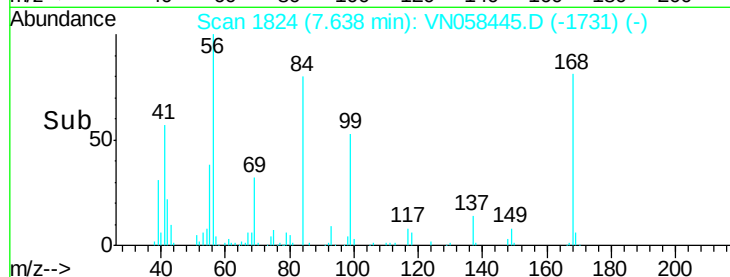
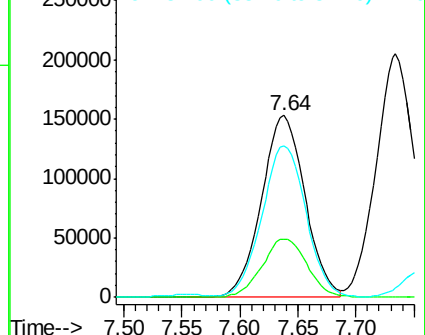
84 81.7 67.6 101.4



Abundance Ion 56.00 (55.70 to 56.70): VN058445.D (-1731) (-)

Ion 69.00 (68.70 to 69.70): VN058445.D (-1731) (-)

Ion 84.00 (83.70 to 84.70): VN058445.D (-1731) (-)



#32

1,1,1-Trichloroethane

Concen: 53.062 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

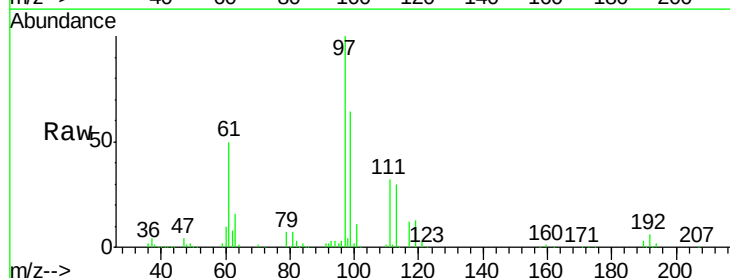
Tgt Ion: 97 Resp: 370446

Ion Ratio Lower Upper

97 100

99 63.4 51.1 76.7

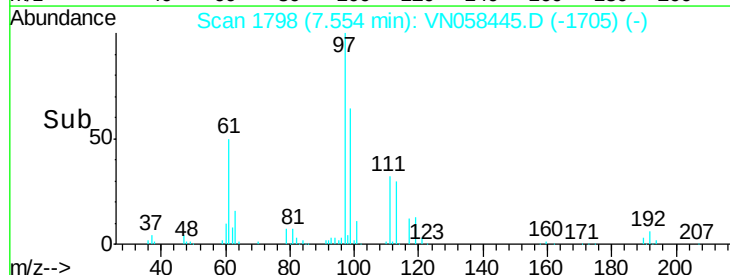
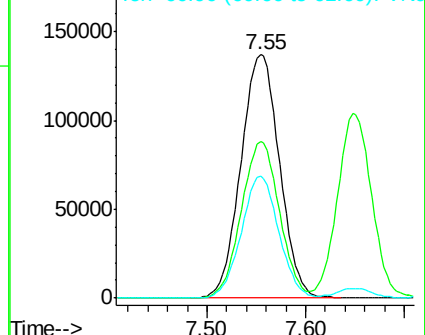
61 48.7 39.2 58.8

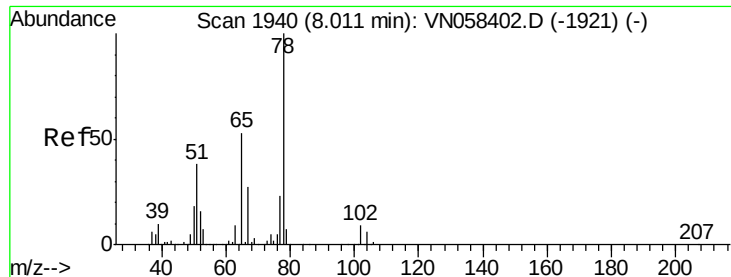


Abundance Ion 96.90 (96.60 to 97.60): VN058445.D (-1705) (-)

Ion 98.90 (98.60 to 99.60): VN058445.D (-1705) (-)

Ion 60.90 (60.60 to 61.60): VN058445.D (-1705) (-)

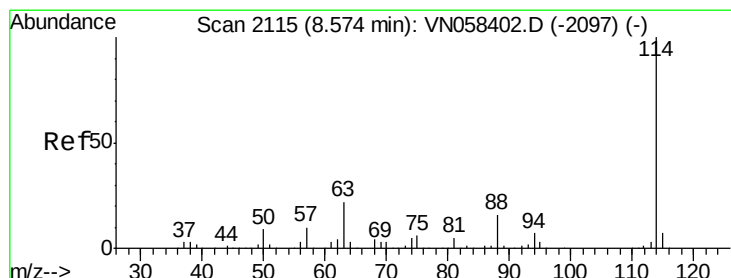
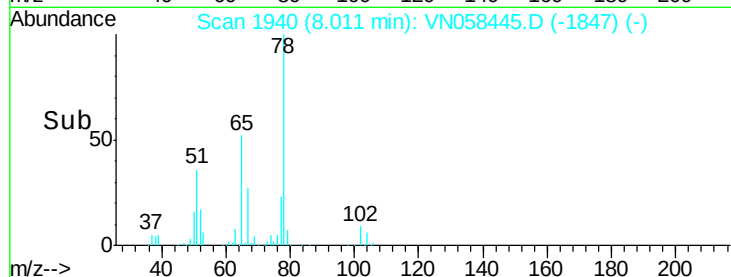
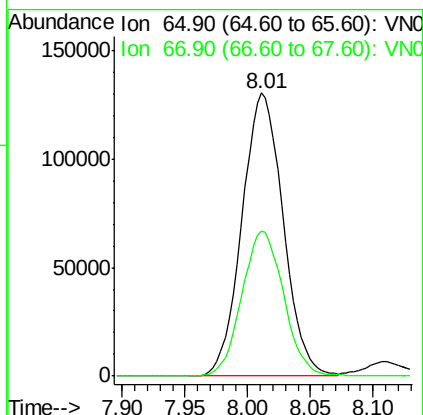
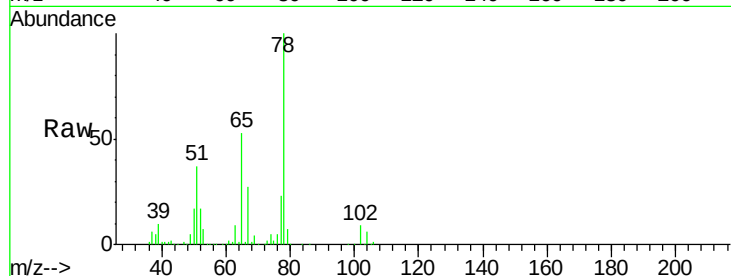




#33
 1,2-Dichloroethane-d4
 Concen: 50.581 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

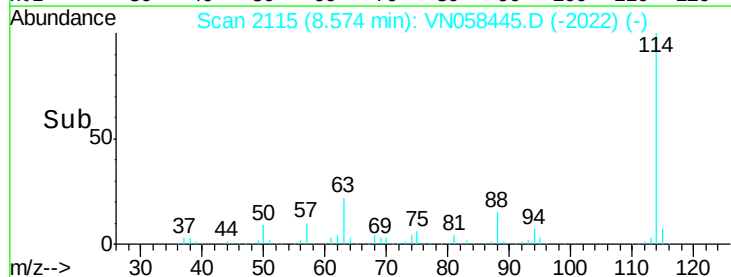
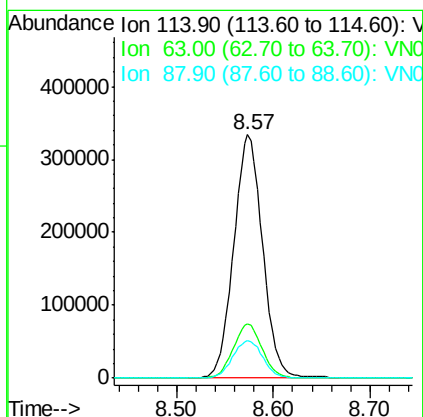
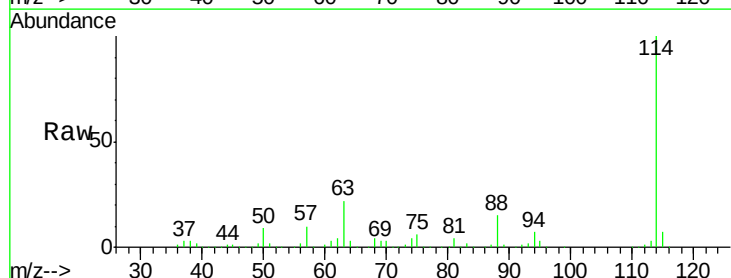
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

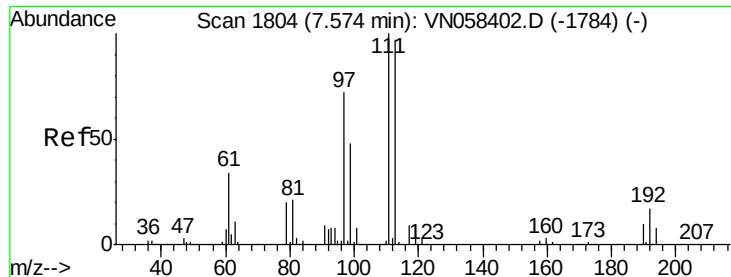
Tot Ion: 65 Resp: 298264
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Tgt Ion: 114 Resp: 692098
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.0
 88 15.2 0.0 32.2

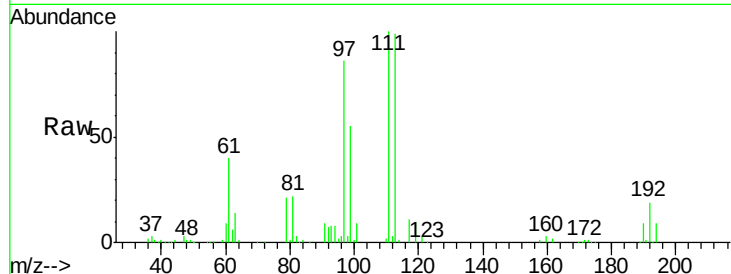




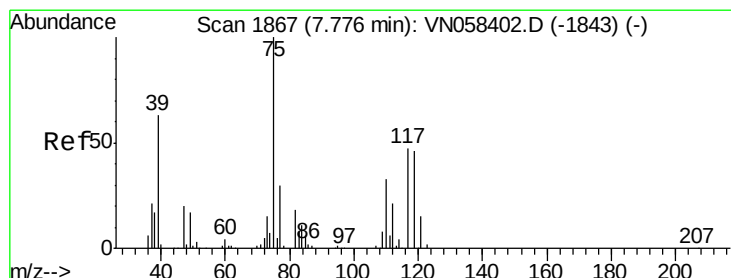
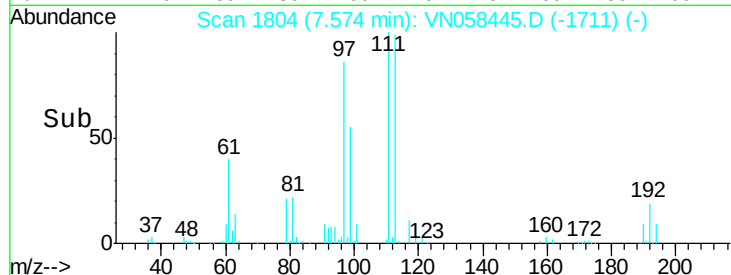
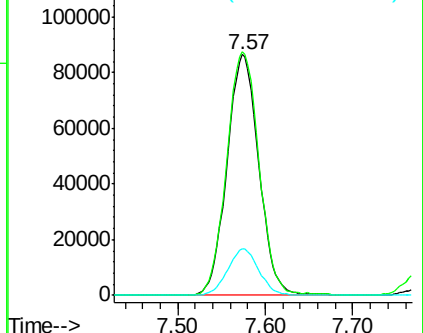
#35
 Dibromofluoromethane
 Concen: 51.451 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.4	125.2
192	18.9	14.9	22.3

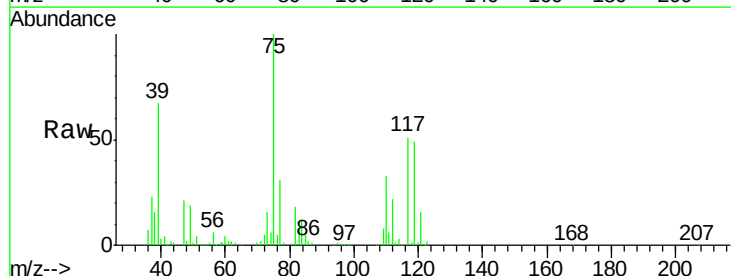


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

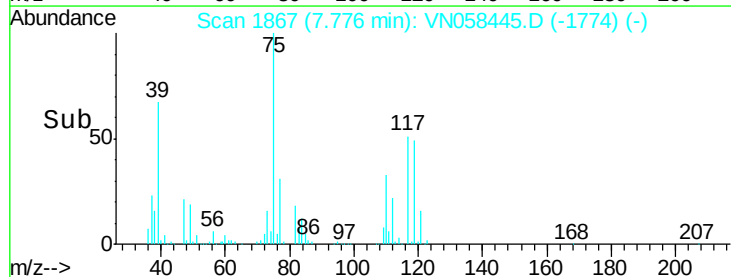
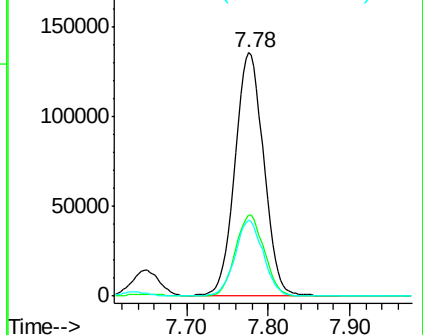


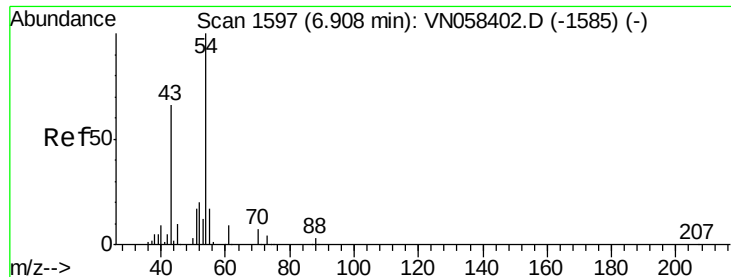
#36
 1,1-Dichloropropene
 Concen: 50.164 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.4	49.2
77	30.8	24.3	36.5



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

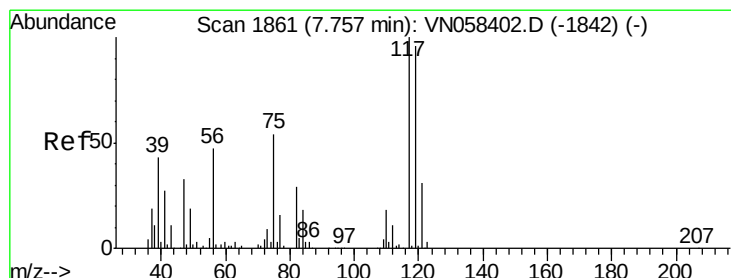
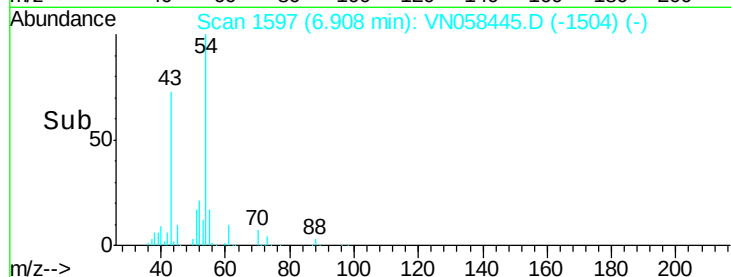
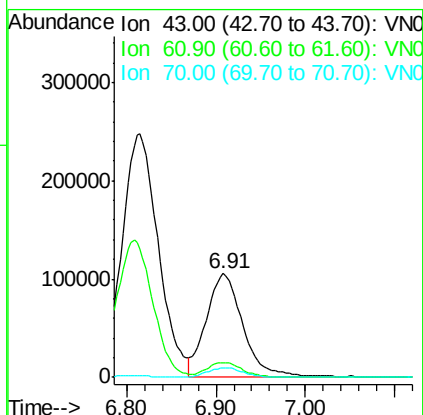
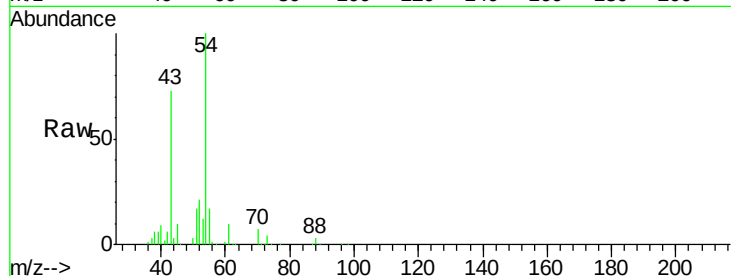




#37
Ethyl Acetate
Concen: 52.730 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

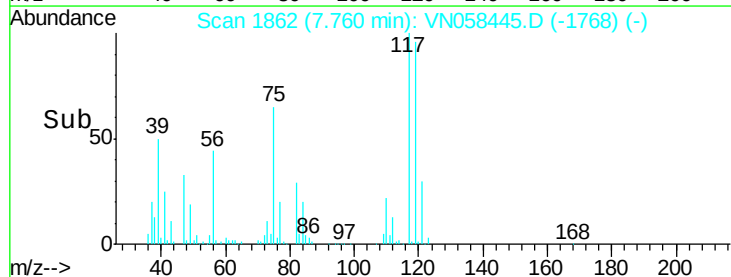
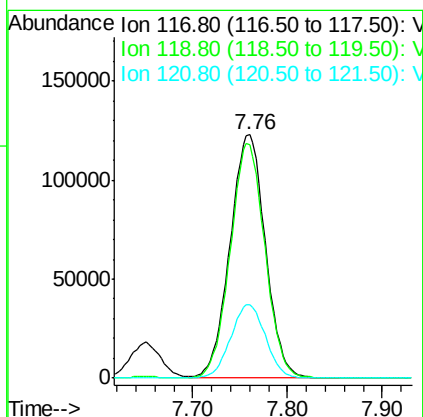
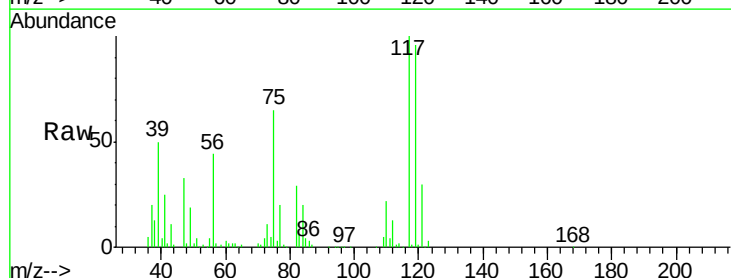
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

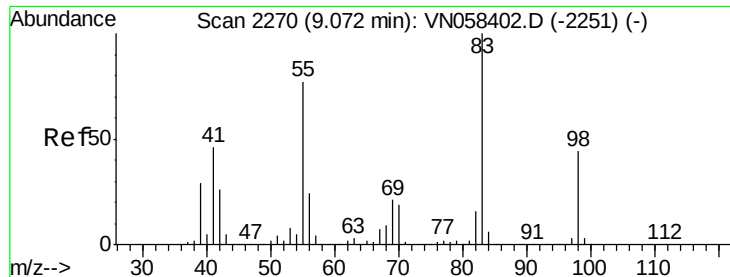
Tot Ion	43	Resp	295855
Ion Ratio	Lower	Upper	
43	100		
61	13.9	10.5	15.7
70	9.5	7.8	11.6



#38
Carbon Tetrachloride
Concen: 53.481 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Tgt Ion	117	Resp	319472
Ion Ratio	Lower	Upper	
117	100		
119	95.7	76.6	115.0
121	30.3	24.7	37.1

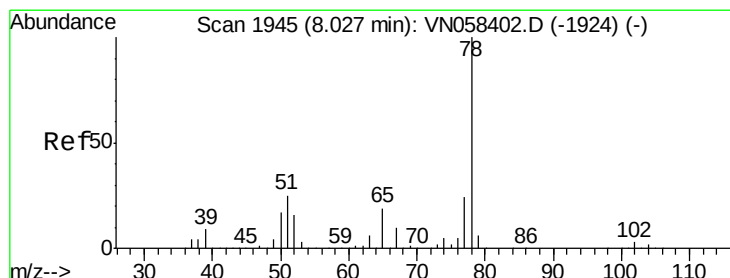
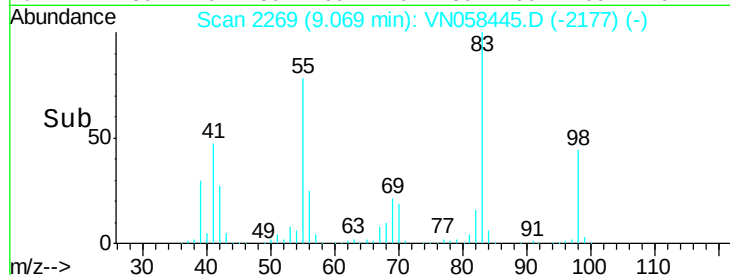
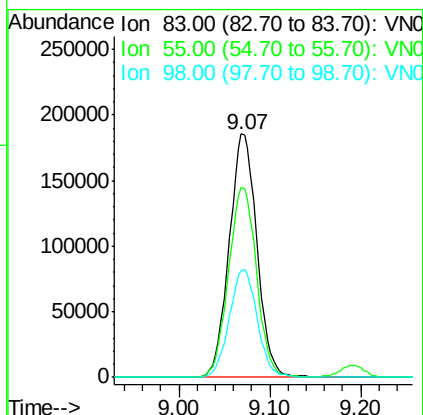
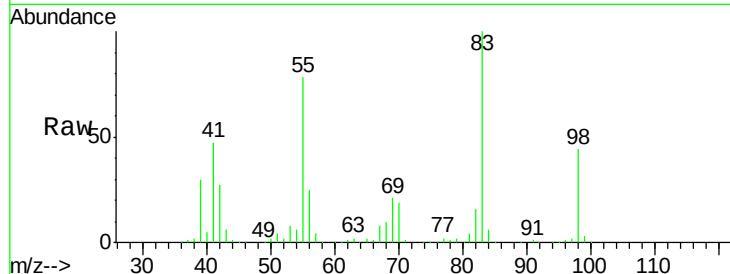




#39
Methylvlcyclohexane
Concen: 50.980 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

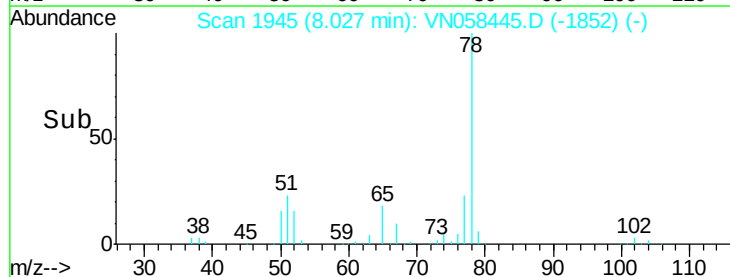
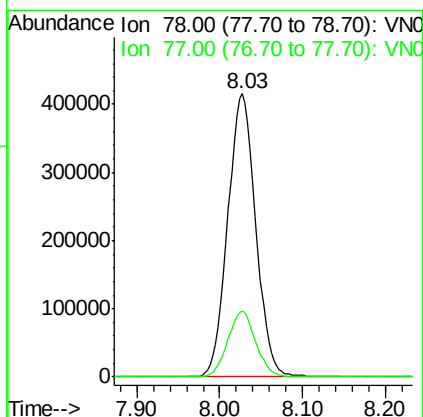
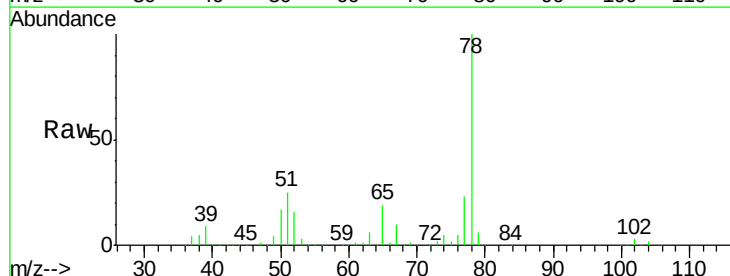
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

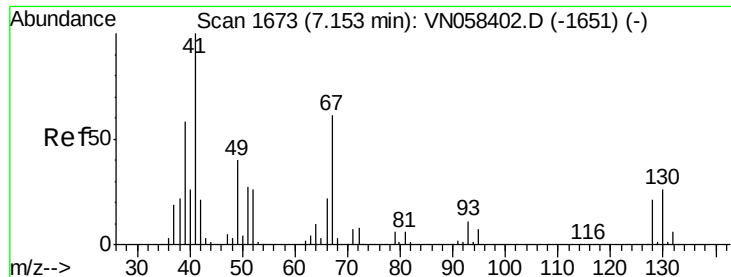
Tot Ion	83.00	Resp	393986
Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.8	92.6
98	44.0	35.4	53.0



#40
Benzene
Concen: 51.398 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Tgt Ion	78.00	Resp	977734
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





#41

Methacrylonitrile

Concen: 170.428 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.04 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MS

Tot Ion: 41 Resp: 439914

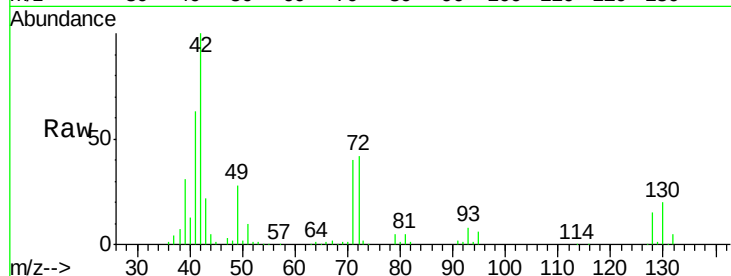
Ion Ratio Lower Upper

41 100

39 0.0 50.2 75.4#

67 0.0 70.2 105.4#

52 0.0 31.4 47.0#

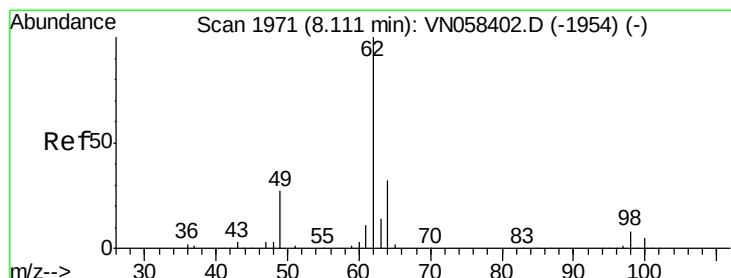
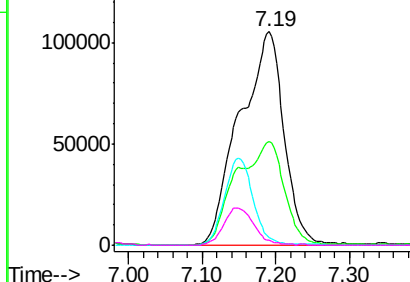
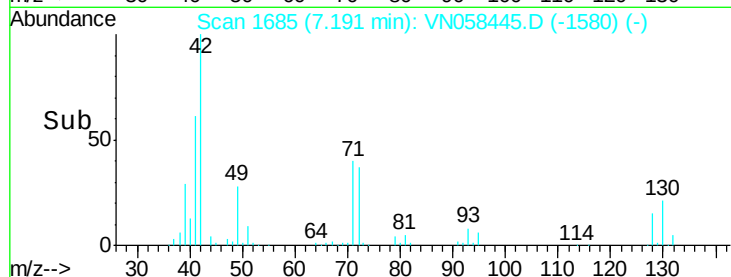


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 50.928 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN058445.D

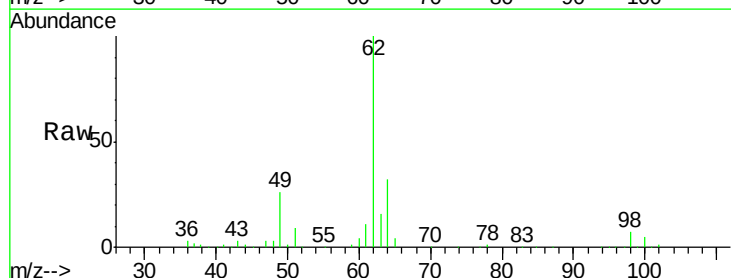
Acq: 30 Sep 2019 18:52

Tgt Ion: 62 Resp: 376912

Ion Ratio Lower Upper

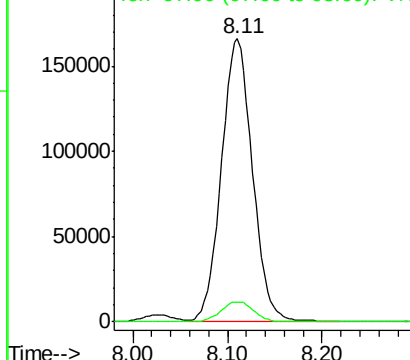
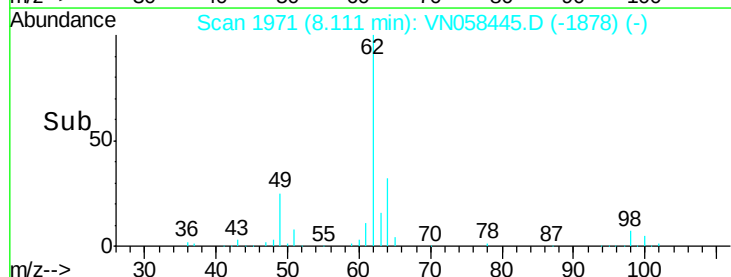
62 100

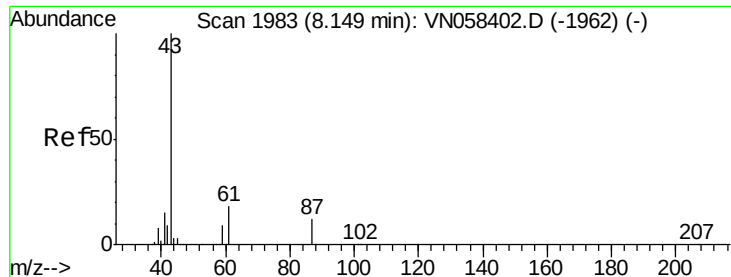
98 7.5 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 47.600 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MS

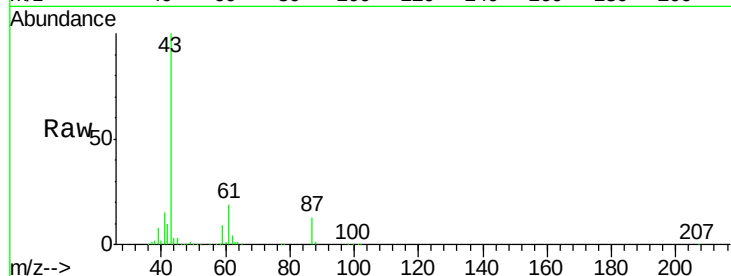
Tot Ion: 43 Resp: 502225

Ion Ratio Lower Upper

43 100

61 18.8 14.8 22.2

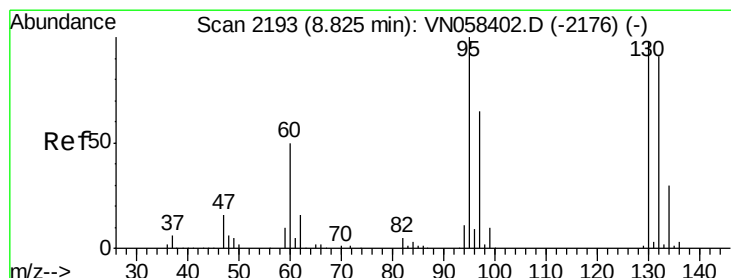
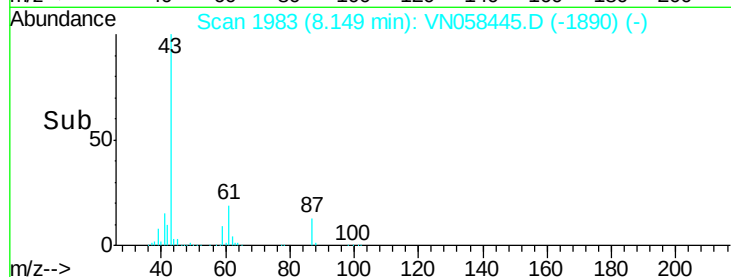
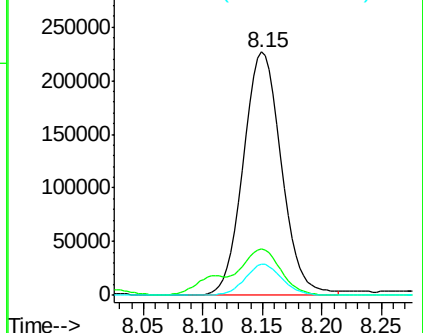
87 12.5 9.7 14.5



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: 51.223 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058445.D

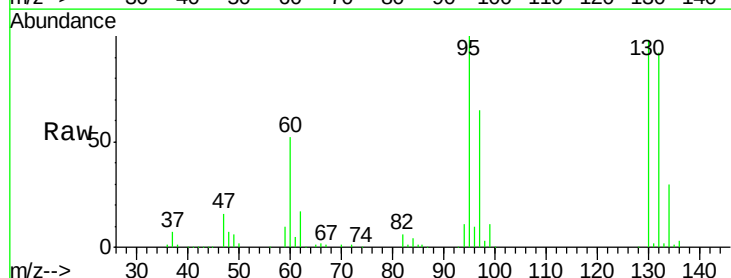
Acq: 30 Sep 2019 18:52

Tgt Ion:130 Resp: 240598

Ion Ratio Lower Upper

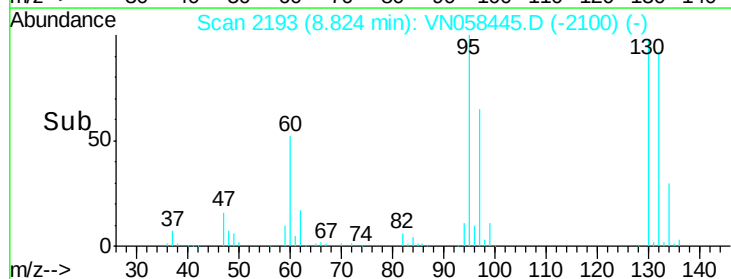
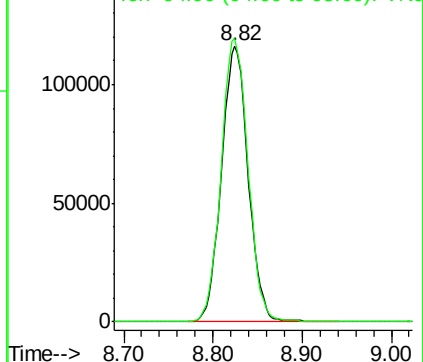
130 100

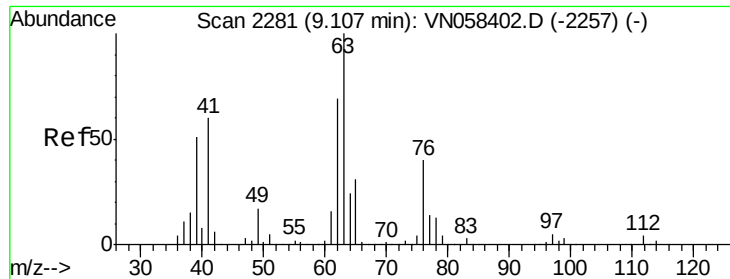
95 102.5 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

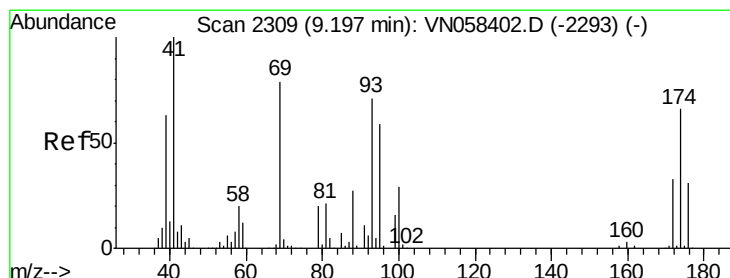
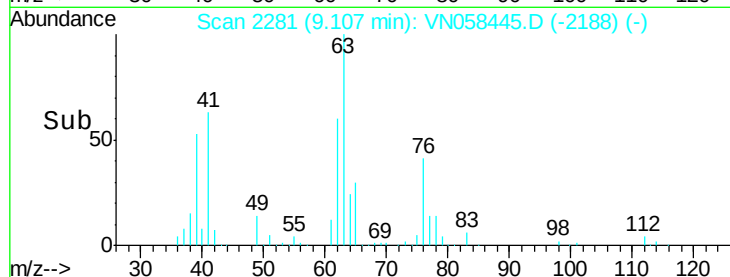
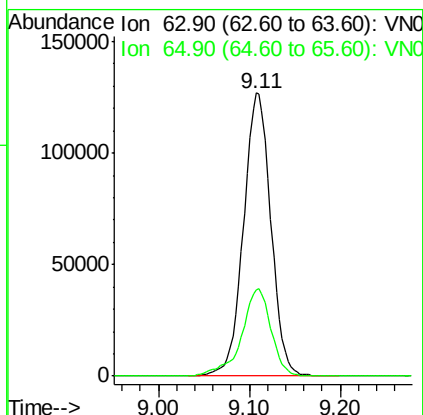
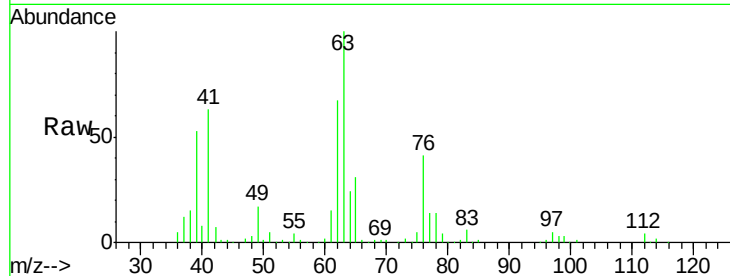




#45
 1,2-Dichloropropane
 Concen: 51.880 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

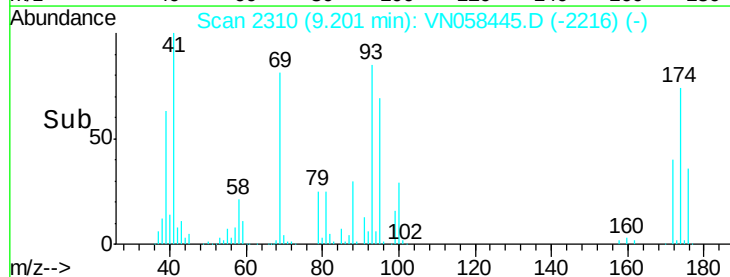
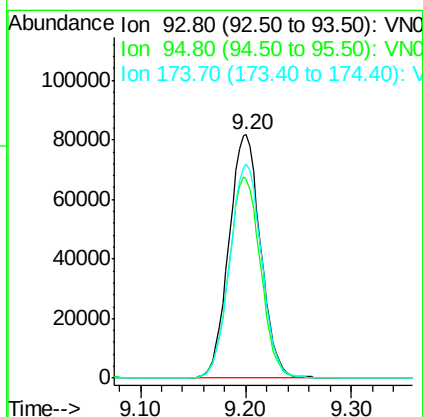
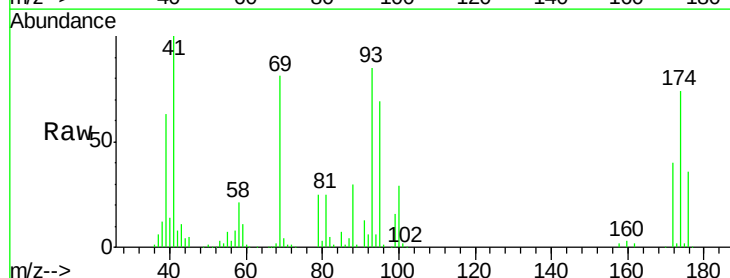
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

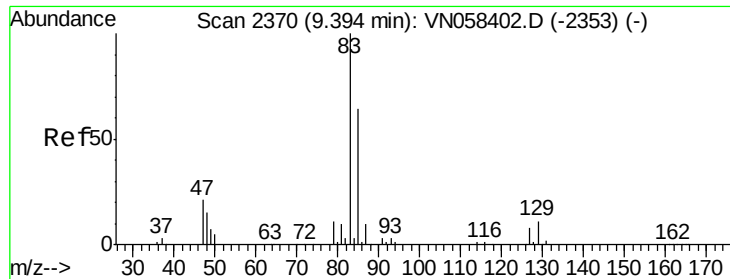
Tot Ion: 63 Resp: 264682
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4



#46
 Dibromomethane
 Concen: 52.535 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Tgt Ion: 93 Resp: 169735
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.0 100.4
 174 88.4 74.2 111.2





#47

Bromodichloromethane

Concen: 54.535 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MS

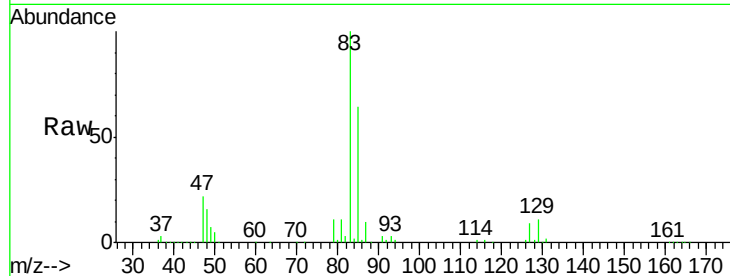
Tot Ion: 83 Resp: 333837

Ion Ratio Lower Upper

83 100

85 64.0 51.2 76.8

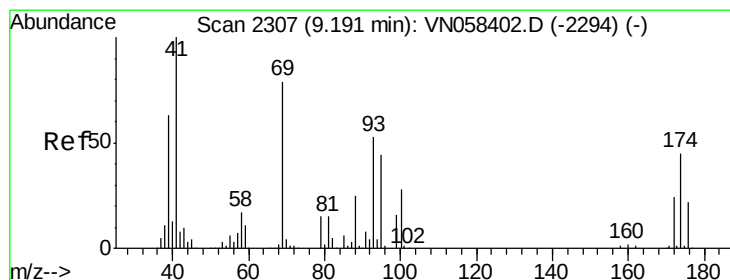
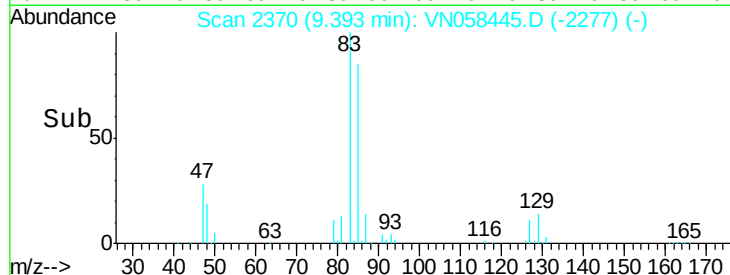
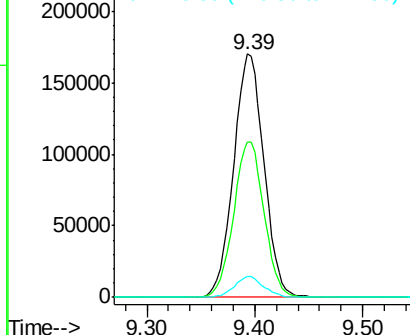
127 8.6 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN058445.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058445.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058445.D (-2277) (-)



#48

Methyl methacrylate

Concen: 51.819 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

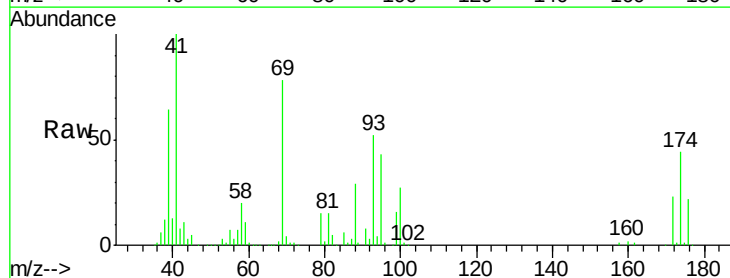
Tgt Ion: 41 Resp: 248957

Ion Ratio Lower Upper

41 100

69 82.4 64.7 97.1

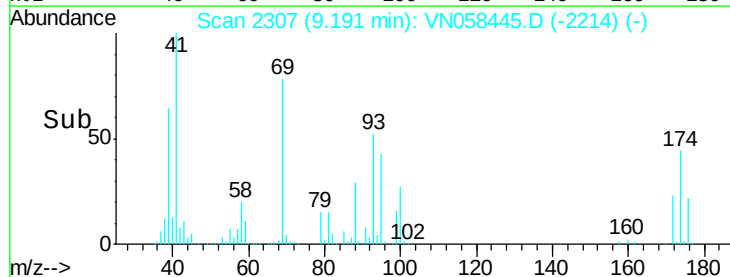
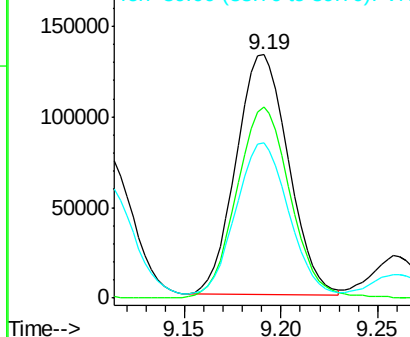
39 66.3 52.9 79.3

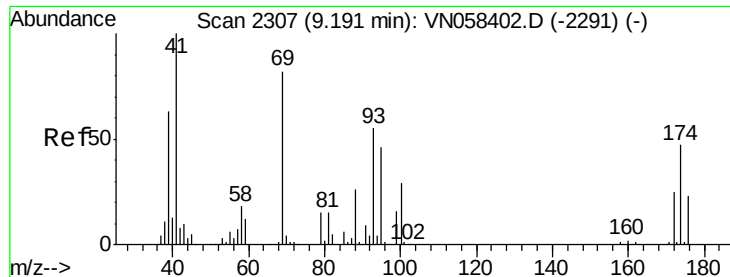


Abundance Ion 41.00 (40.70 to 41.70): VN058445.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058445.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058445.D (-2214) (-)

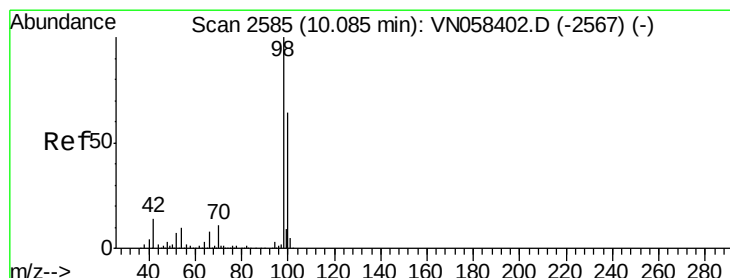
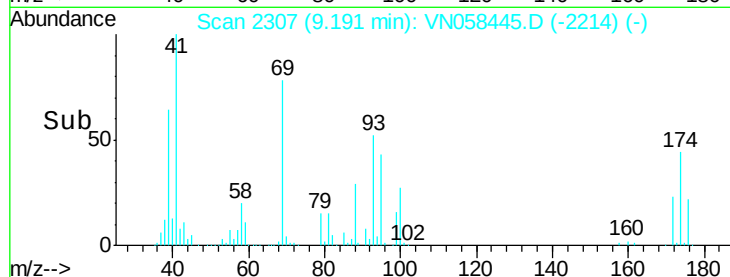
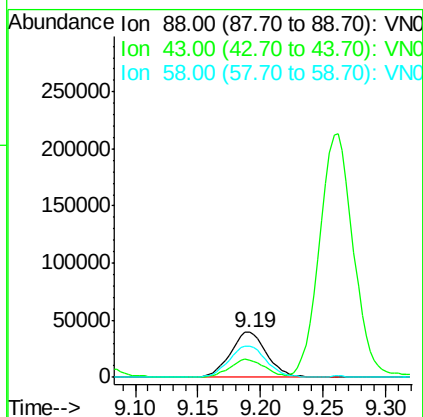
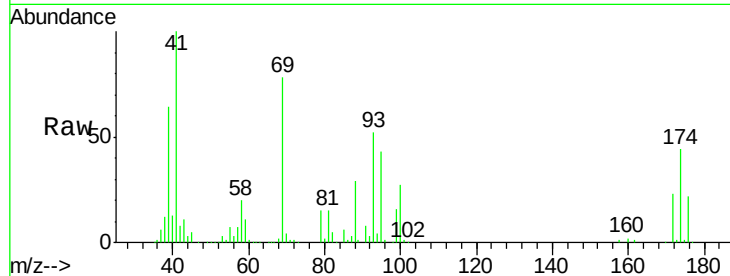




#49
 1,4-Dioxane
 Concen: 1250.345 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

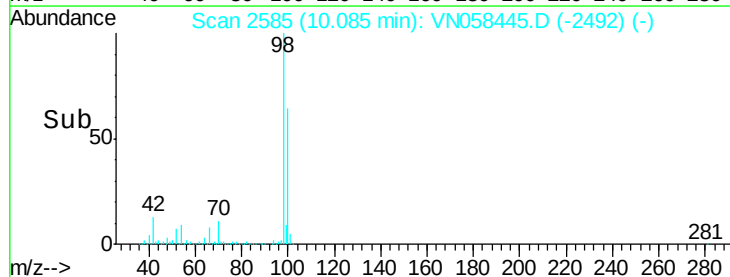
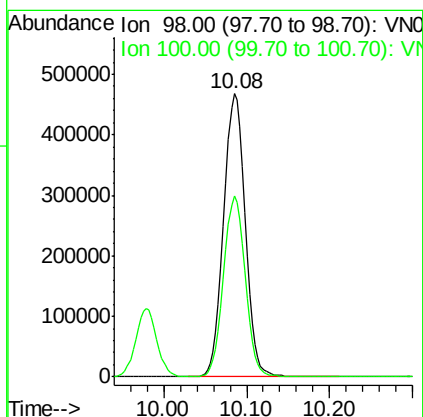
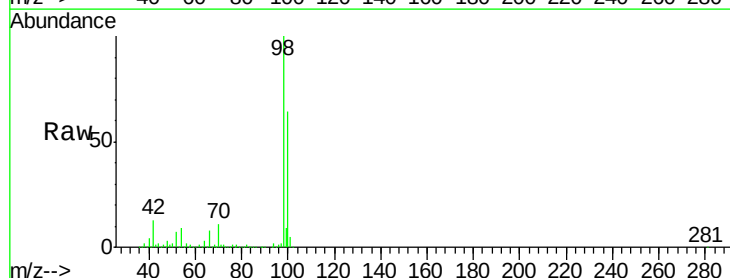
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

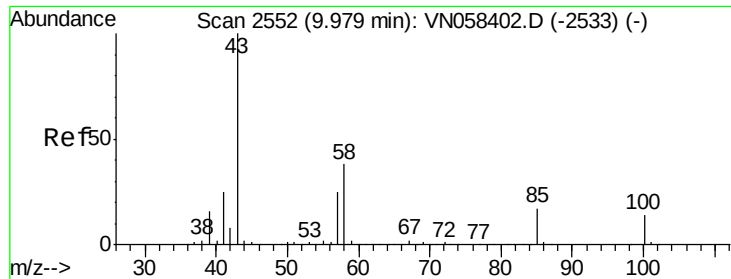
Tot Ion: 88 Resp: 80322
 Ion Ratio Lower Upper
 88 100
 43 36.3 31.1 46.7
 58 71.1 58.1 87.1



#50
 Toluene-d8
 Concen: 51.139 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Tgt Ion: 98 Resp: 849773
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 280.065 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

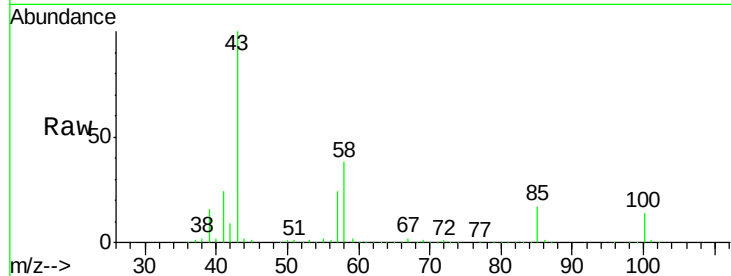
SA-MW184S-20190924MS

Tot Ion: 43 Resp: 1517848

Ion Ratio Lower Upper

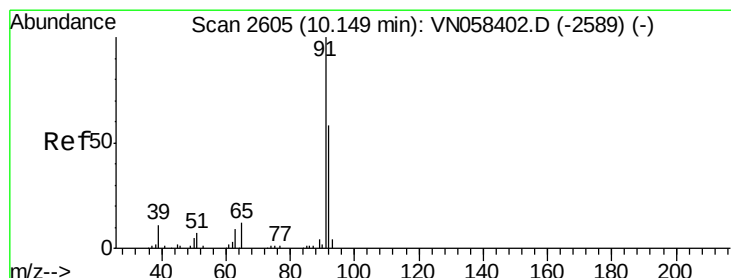
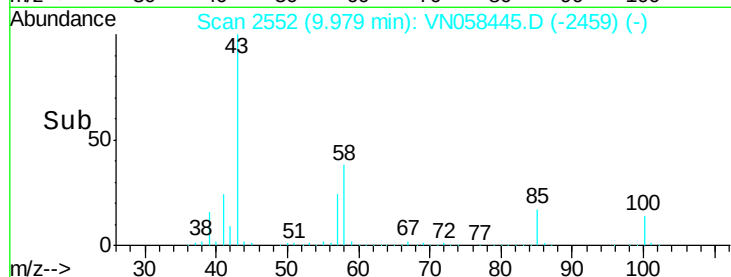
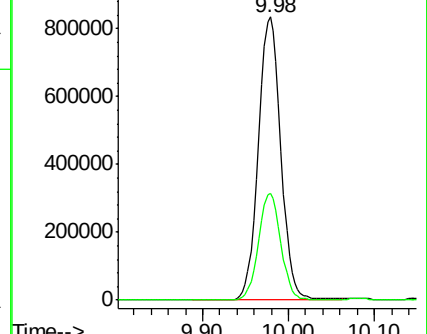
43 100

58 37.5 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.717 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058445.D

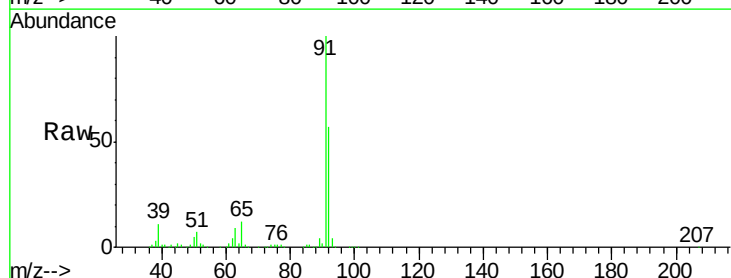
Acq: 30 Sep 2019 18:52

Tgt Ion: 92 Resp: 607256

Ion Ratio Lower Upper

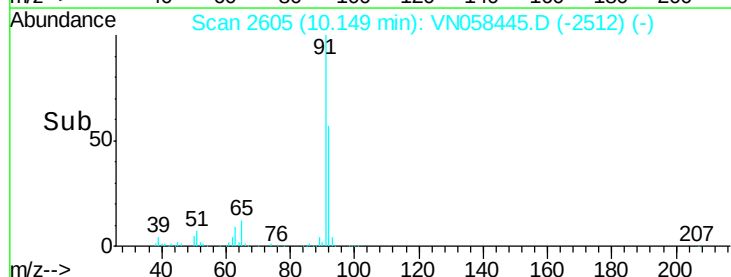
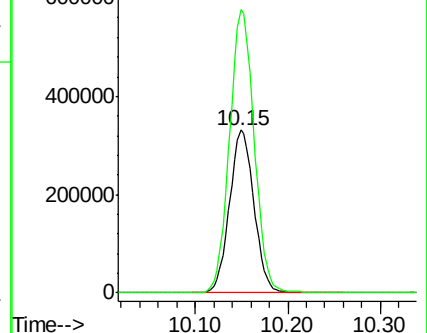
92 100

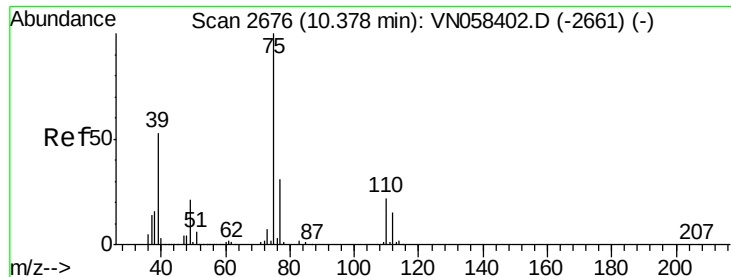
91 175.2 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 54.637 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

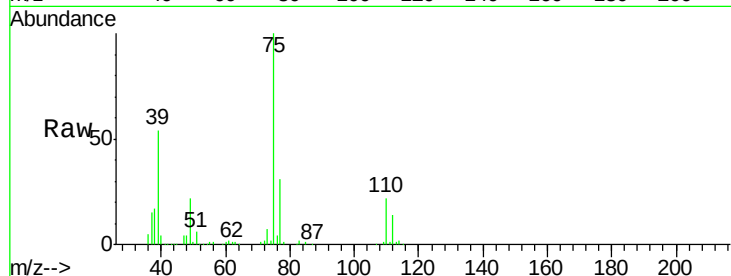
SA-MW184S-20190924MS

Tot Ion: 75 Resp: 364032

Ion Ratio Lower Upper

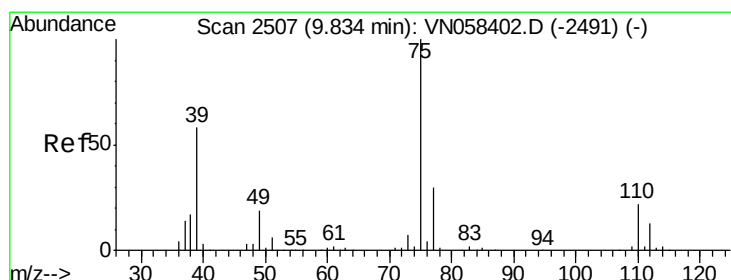
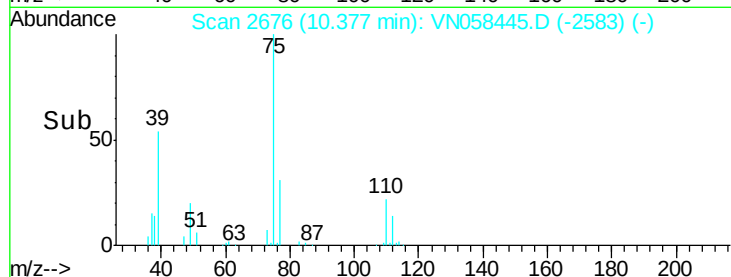
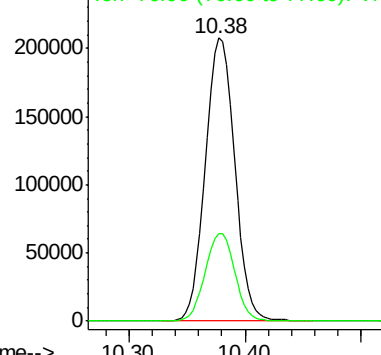
75 100

77 31.1 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.293 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

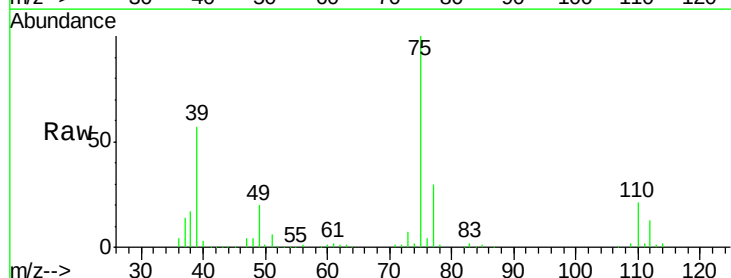
Tgt Ion: 75 Resp: 394156

Ion Ratio Lower Upper

75 100

77 30.3 24.2 36.4

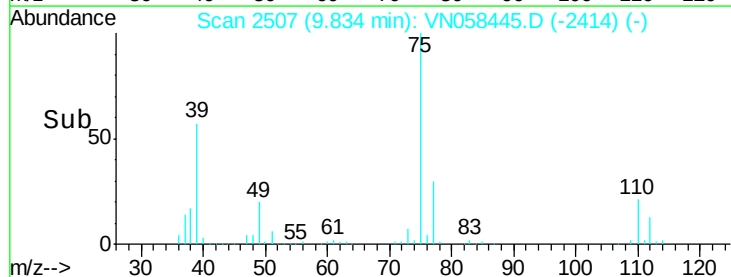
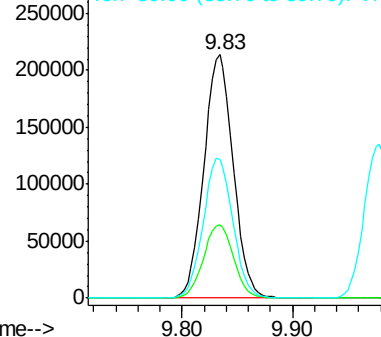
39 57.1 46.4 69.6

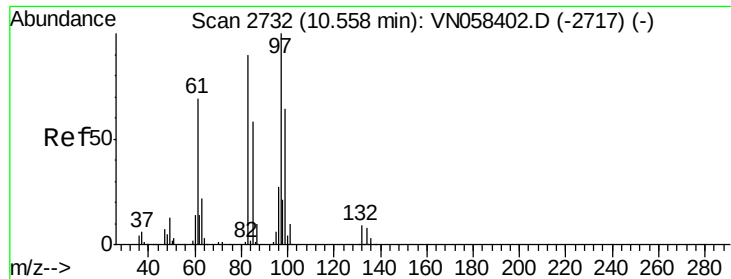


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 53.735 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MS

Tot Ion: 97 Resp: 234270

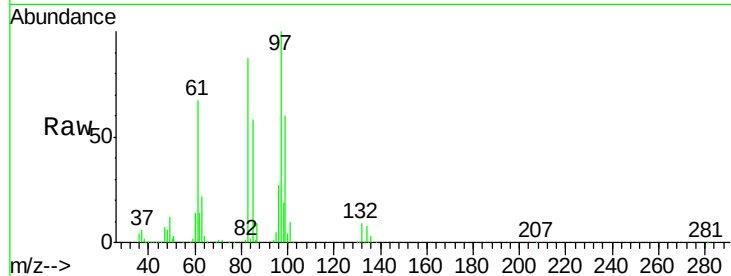
Ion Ratio Lower Upper

97 100

83 86.7 71.8 107.6

85 57.6 46.6 69.8

99 59.7 51.5 77.3

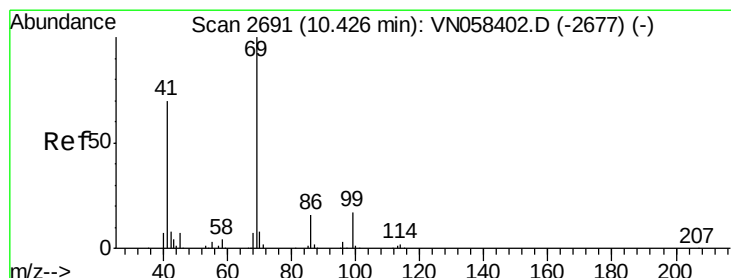
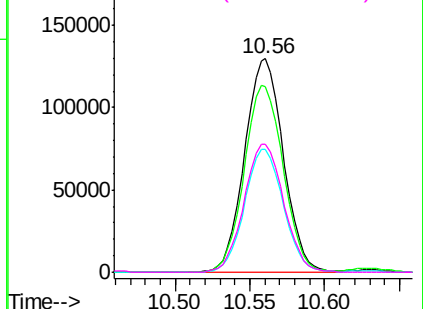
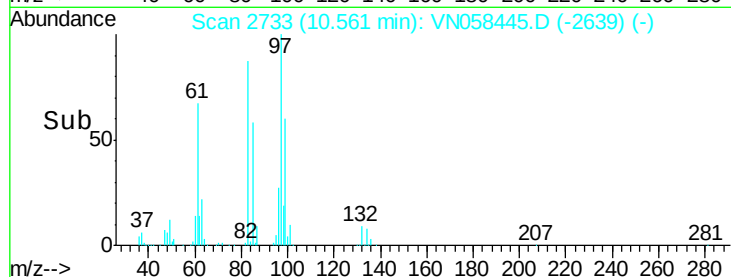


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 55.335 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

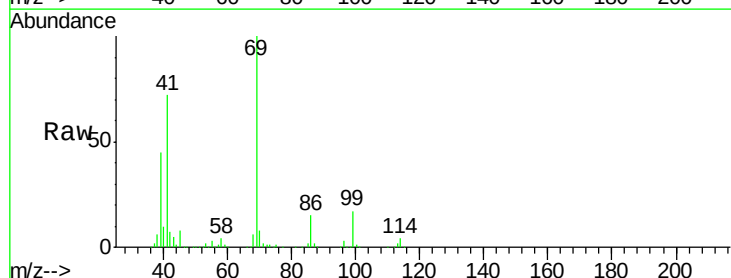
Tgt Ion: 69 Resp: 366066

Ion Ratio Lower Upper

69 100

41 69.9 56.3 84.5

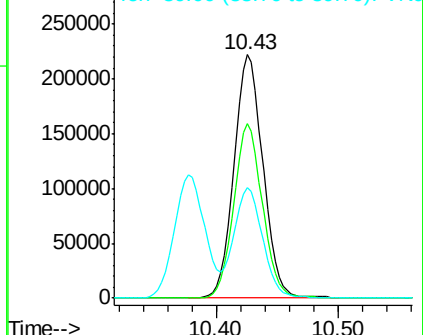
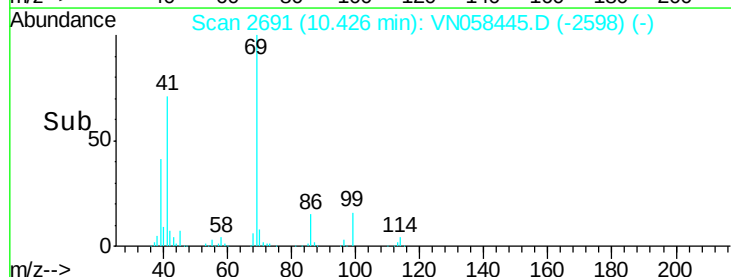
39 44.6 35.8 53.6

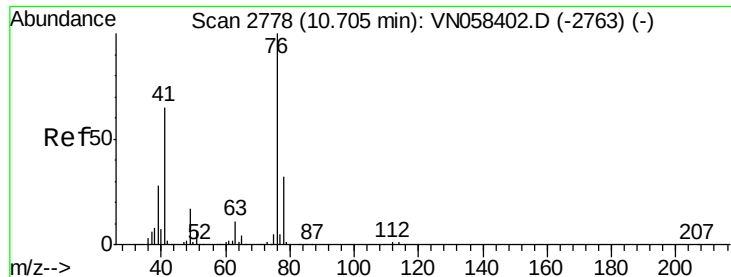


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 53.668 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

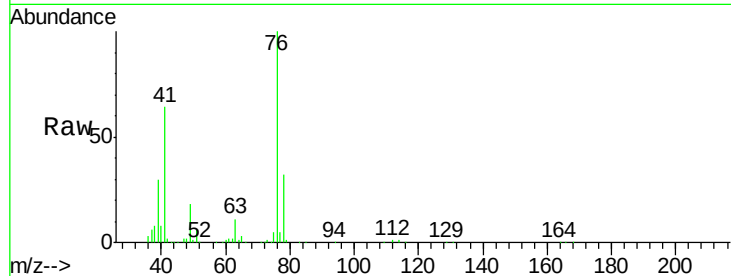
SA-MW184S-20190924MS

Tot Ion: 76 Resp: 417349

Ion Ratio Lower Upper

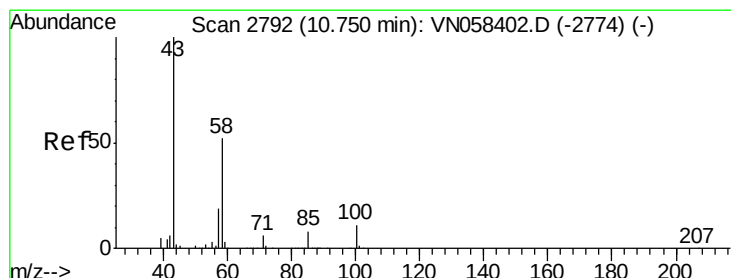
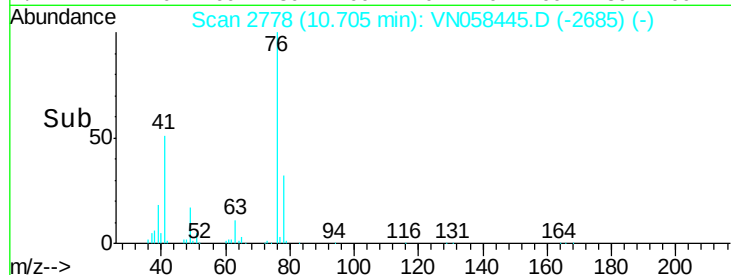
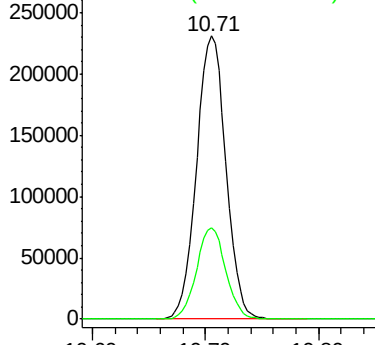
76 100

78 32.2 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 275.879 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN058445.D

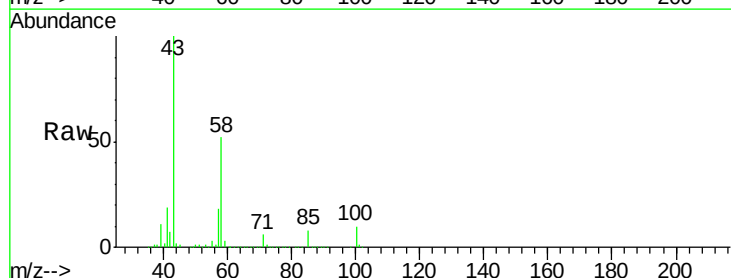
Acq: 30 Sep 2019 18:52

Tgt Ion: 43 Resp: 1088701

Ion Ratio Lower Upper

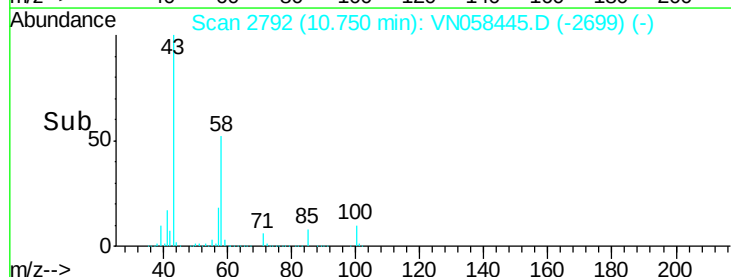
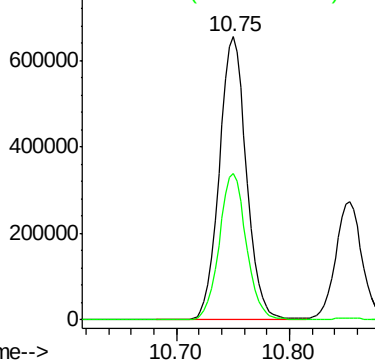
43 100

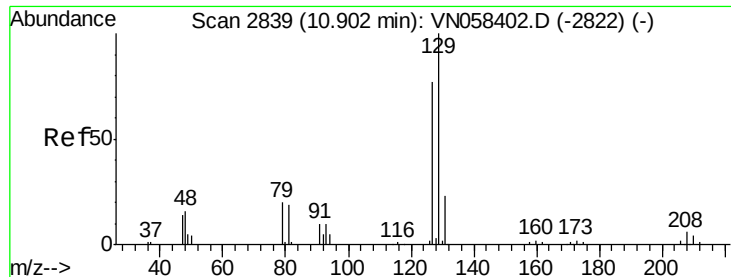
58 51.7 25.8 77.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 52.945 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

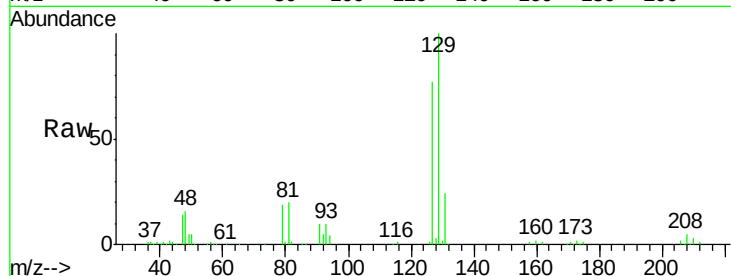
SA-MW184S-20190924MS

Tot Ion:129 Resp: 238882

Ion Ratio Lower Upper

129 100

127 77.1 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

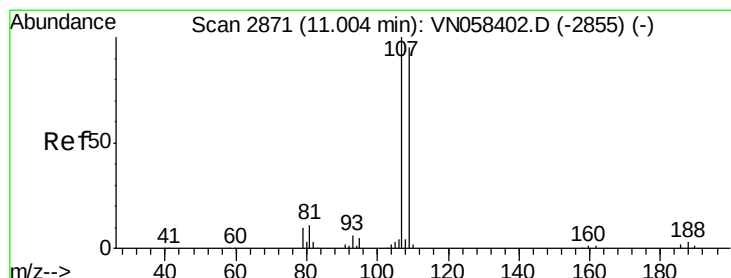
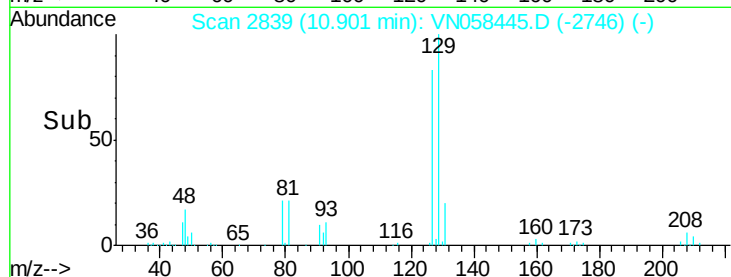
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 53.427 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058445.D

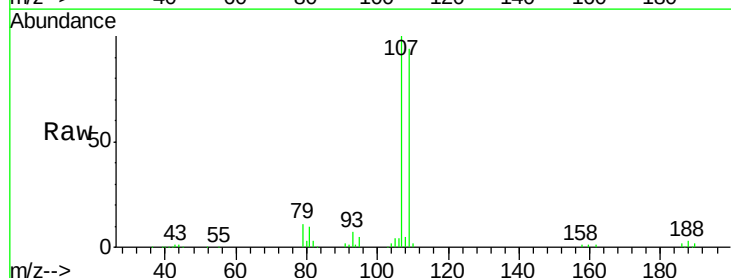
Acq: 30 Sep 2019 18:52

Tgt Ion:107 Resp: 238004

Ion Ratio Lower Upper

107 100

109 92.8 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

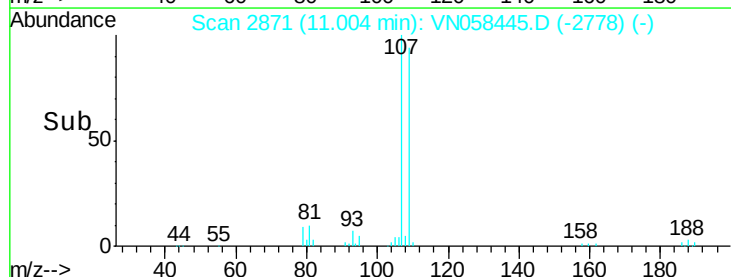
150000

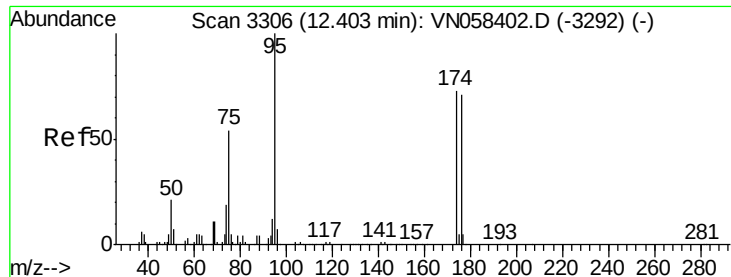
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 51.577 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MS

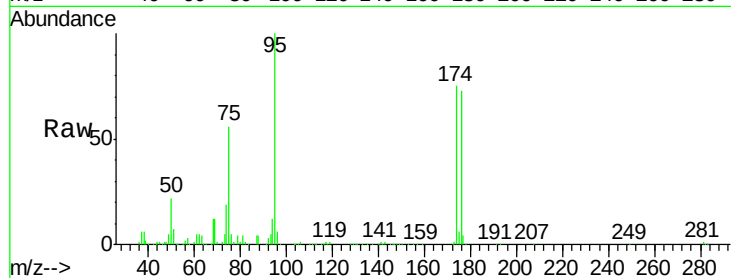
Tot Ion: 95 Resp: 309896

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.6

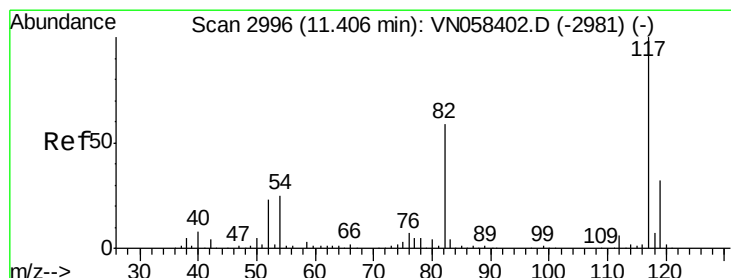
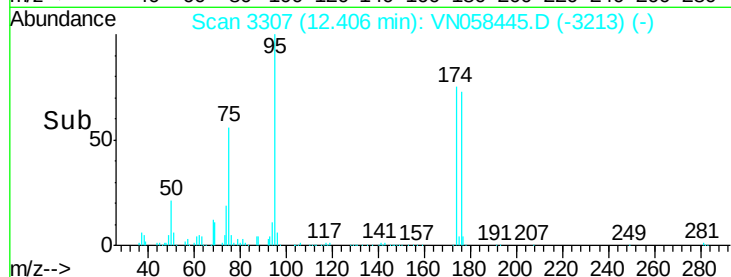
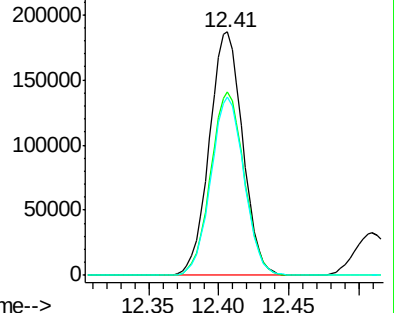
176 73.0 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

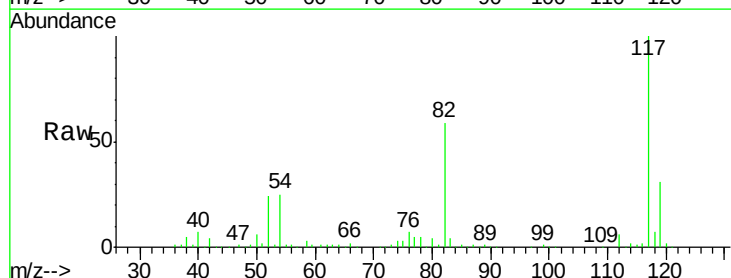
Tgt Ion: 117 Resp: 636624

Ion Ratio Lower Upper

117 100

82 59.4 47.4 71.0

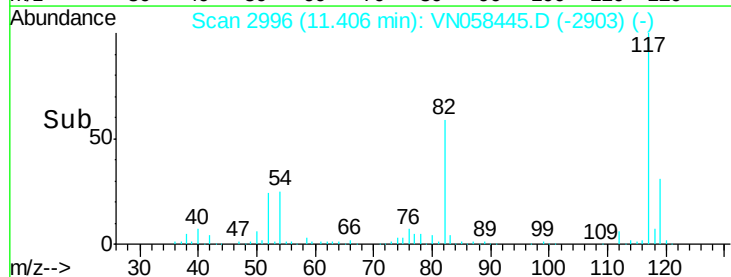
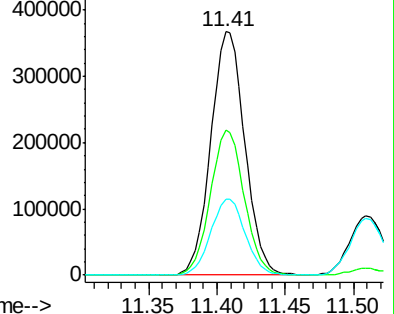
119 31.2 25.5 38.3

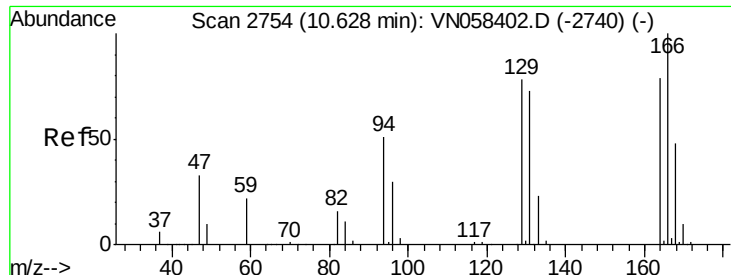


Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)





#64

Tetrachloroethene

Concen: 47.452 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MS

Tot Ion:164 Resp: 191930

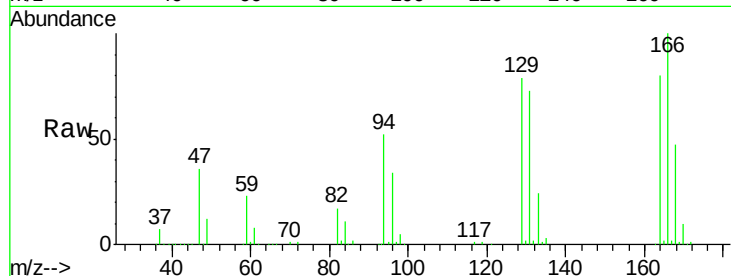
Ion Ratio Lower Upper

164 100

166 125.6 101.1 151.7

129 99.4 79.2 118.8

131 92.3 74.1 111.1

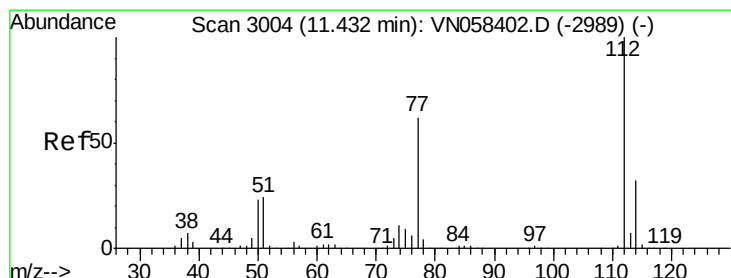
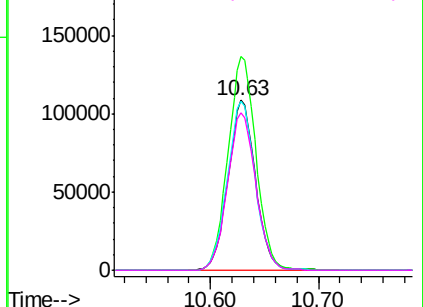
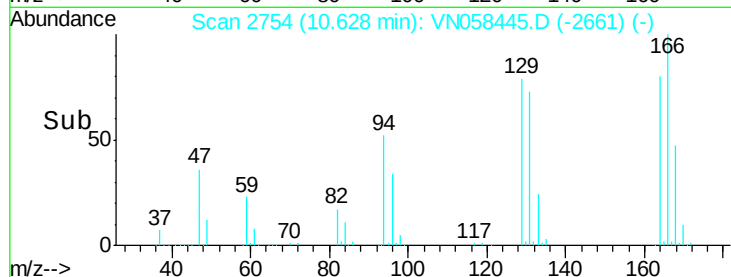


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 50.844 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058445.D

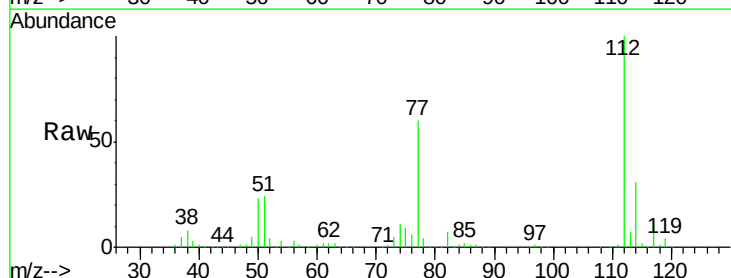
Acq: 30 Sep 2019 18:52

Tgt Ion:112 Resp: 643413

Ion Ratio Lower Upper

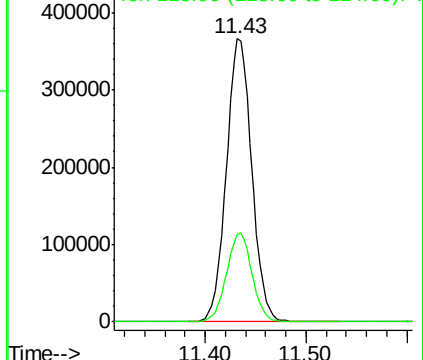
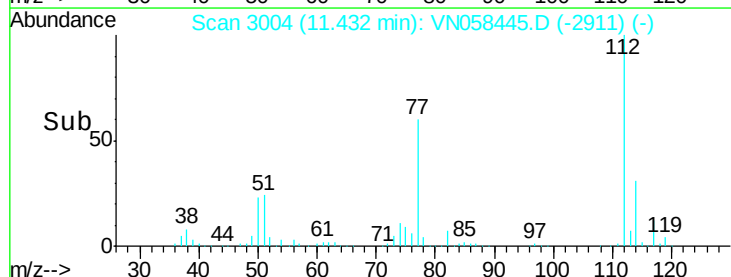
112 100

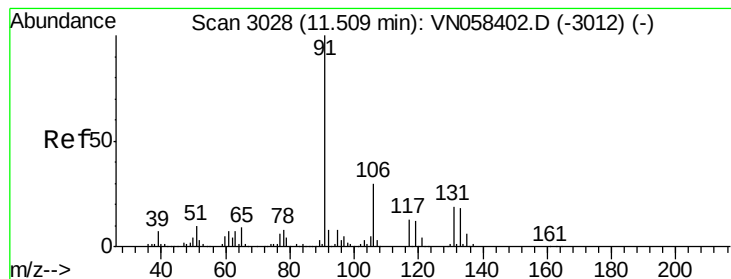
114 30.8 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.550 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MS

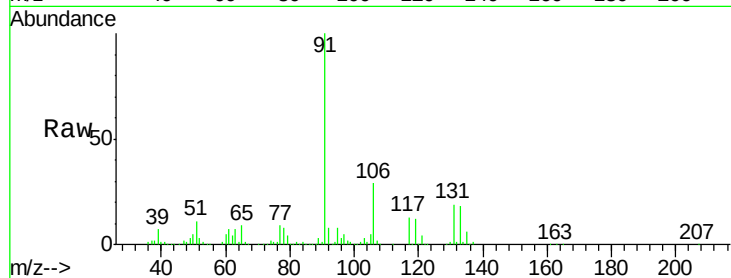
Tot Ion:131 Resp: 224055

Ion Ratio Lower Upper

131 100

133 96.6 47.8 143.3

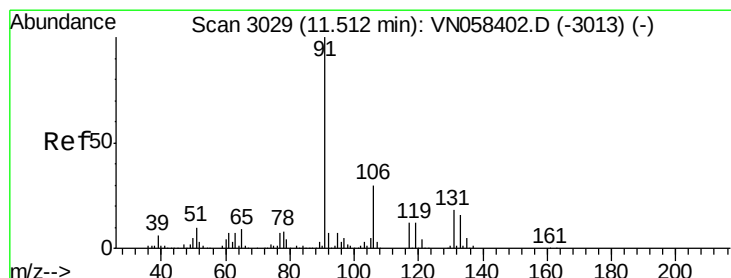
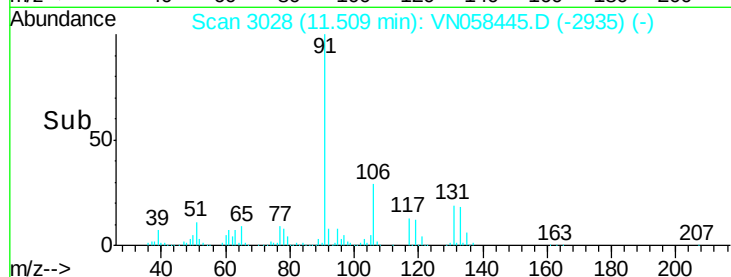
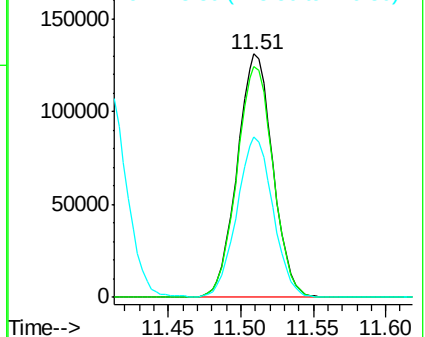
119 66.6 33.0 99.0



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: 52.078 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058445.D

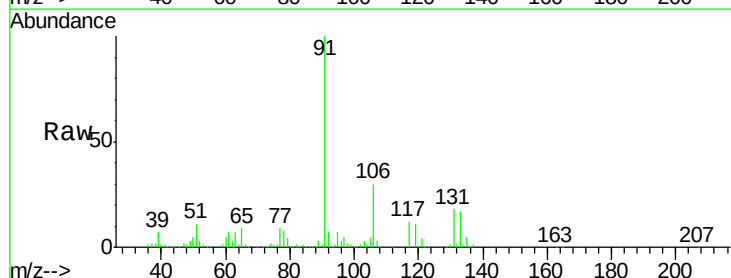
Acq: 30 Sep 2019 18:52

Tgt Ion: 91 Resp: 1193692

Ion Ratio Lower Upper

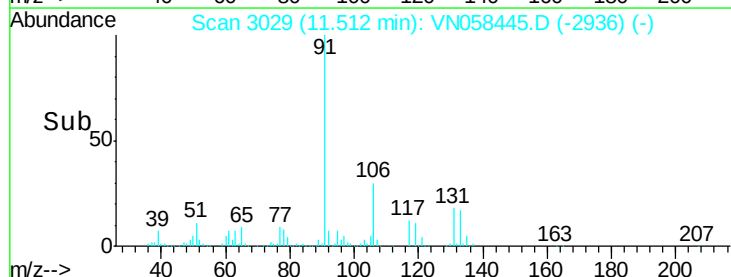
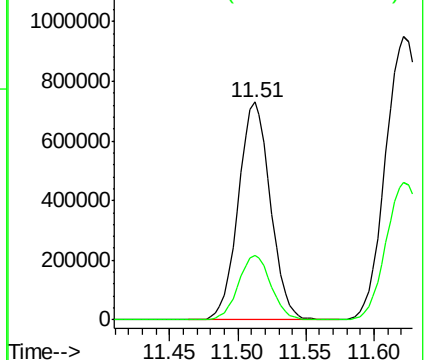
91 100

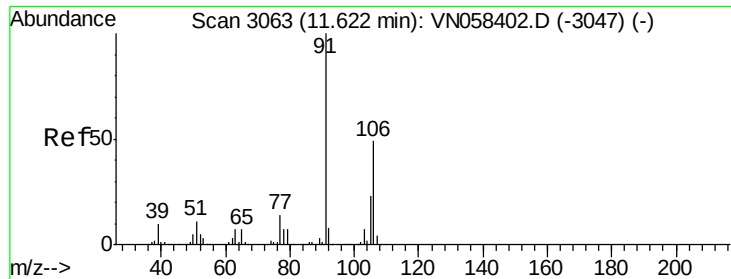
106 29.8 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

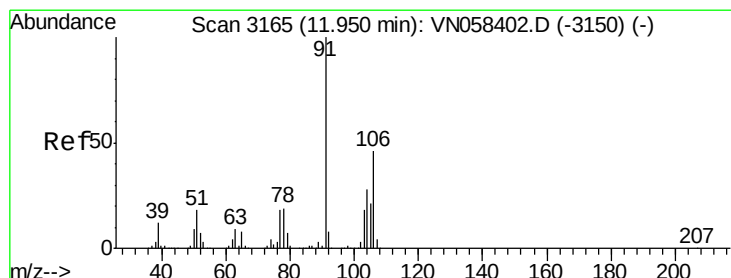
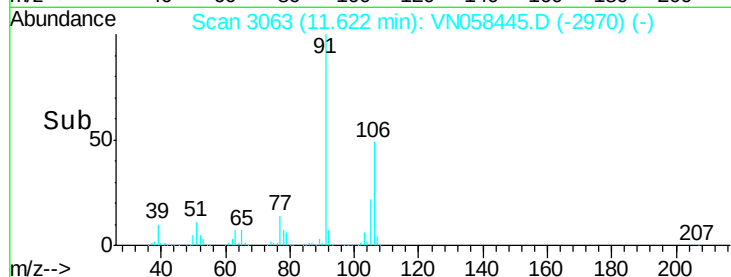
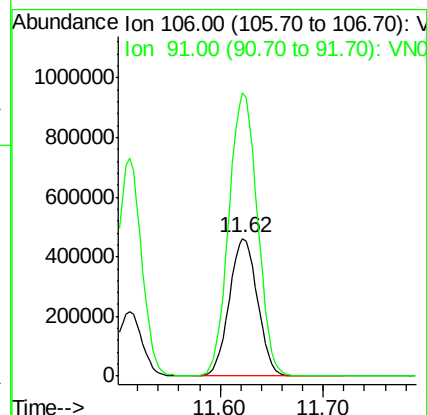
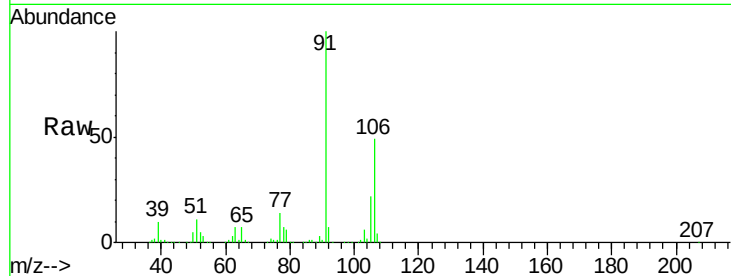




#68
m/p-Xylenes
Concen: 102.005 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

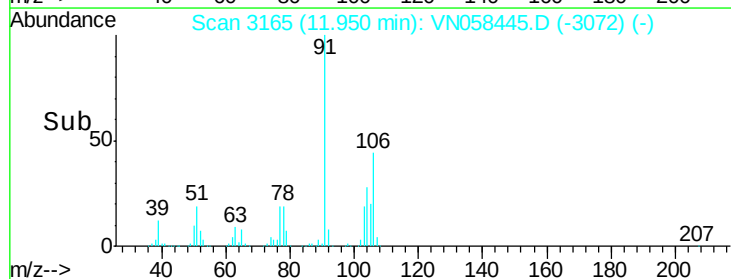
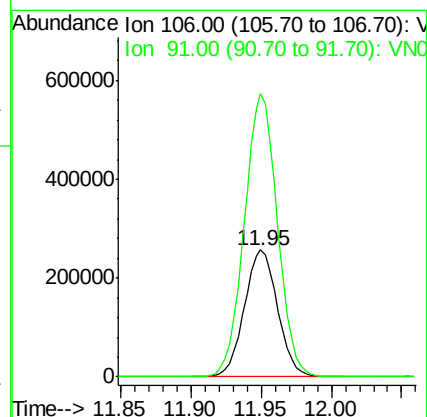
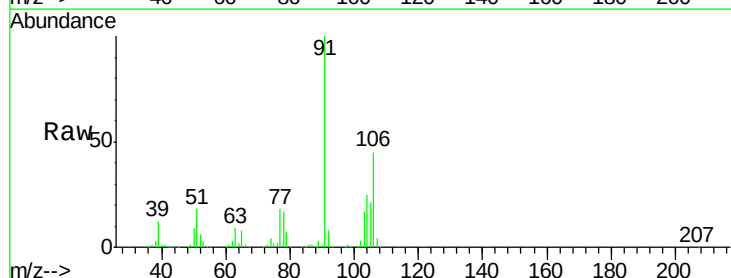
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

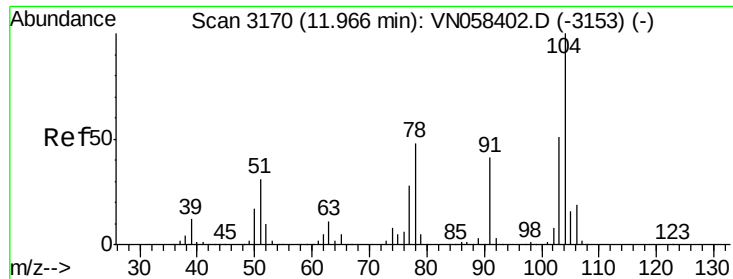
Tot Ion:106 Resp: 879675
Ion Ratio Lower Upper
106 100
91 209.0 165.0 247.4



#69
o-Xylene
Concen: 51.128 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Tgt Ion:106 Resp: 424449
Ion Ratio Lower Upper
106 100
91 221.5 109.1 327.4

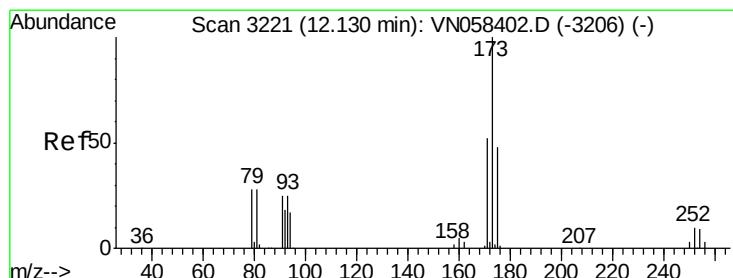
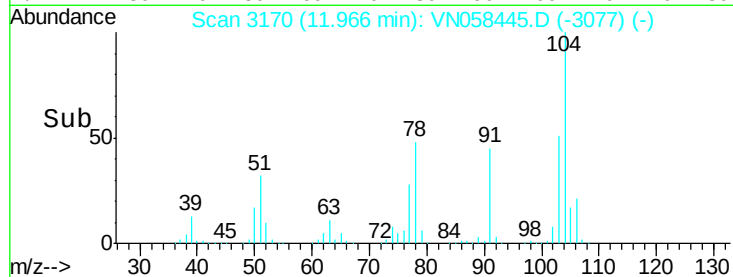
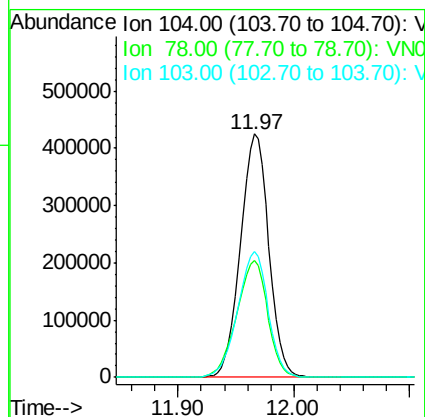
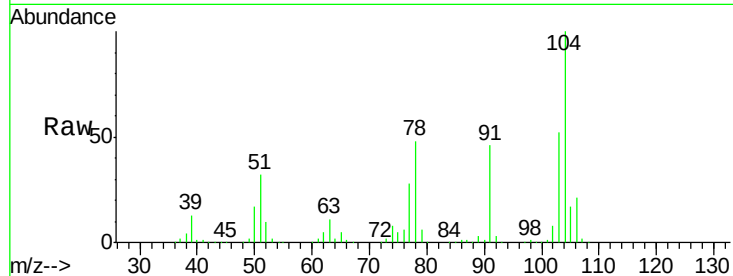




#70
Stvrene
Concen: 53.286 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

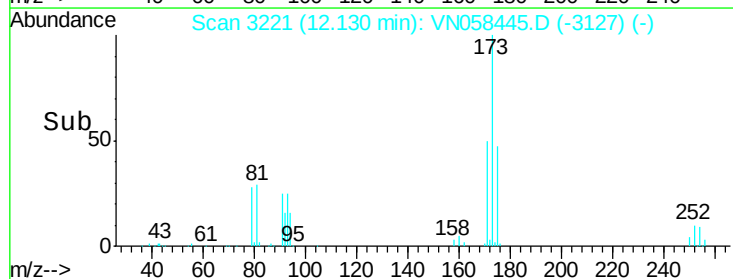
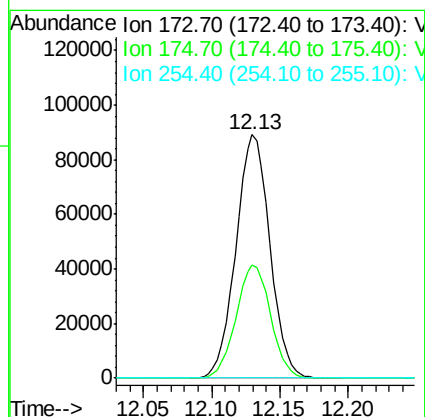
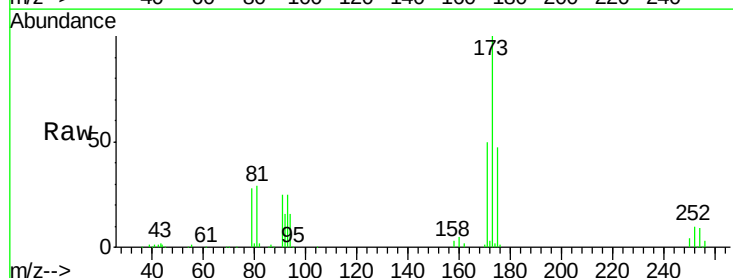
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

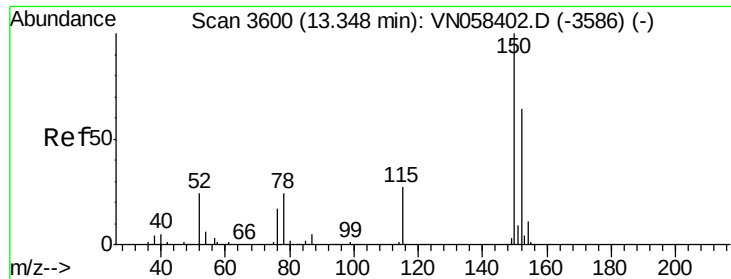
Tot Ion:104 Resp: 718646
Ion Ratio Lower Upper
104 100
78 52.5 42.8 64.2
103 55.5 43.7 65.5



#71
Bromoform
Concen: 52.248 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Tgt Ion:173 Resp: 154039
Ion Ratio Lower Upper
173 100
175 47.2 24.3 73.0
254 0.1 0.1 0.1#

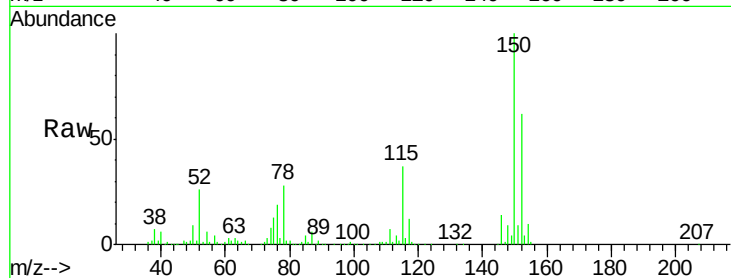




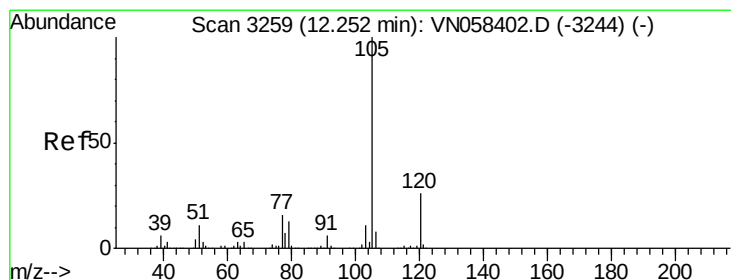
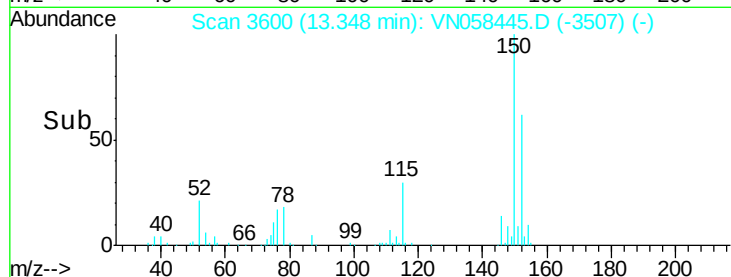
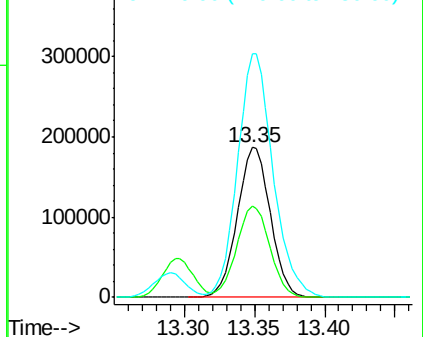
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

Tot Ion:152 Resp: 306594
 Ion Ratio Lower Upper
 152 100
 115 61.4 30.0 90.0
 150 174.5 0.0 348.2

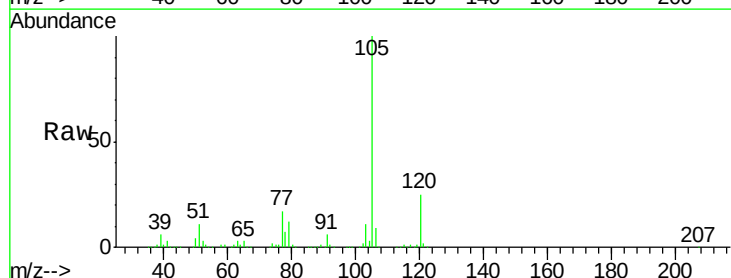


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

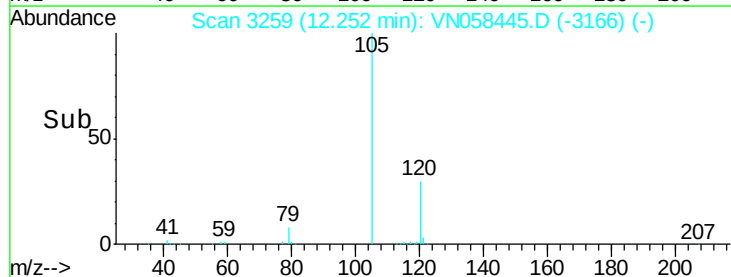
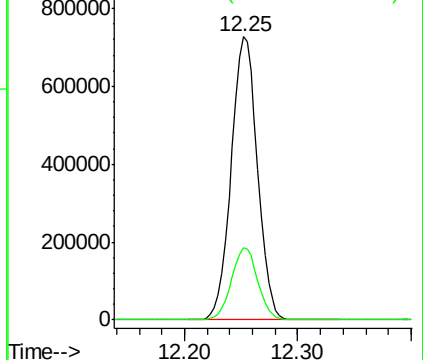


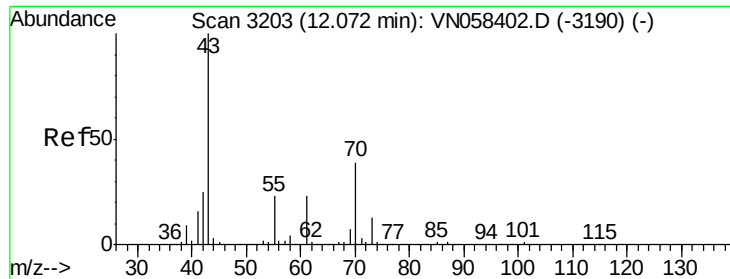
#73
 Isopropylbenzene
 Concen: 51.616 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Tgt Ion:105 Resp: 1169522
 Ion Ratio Lower Upper
 105 100
 120 25.5 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

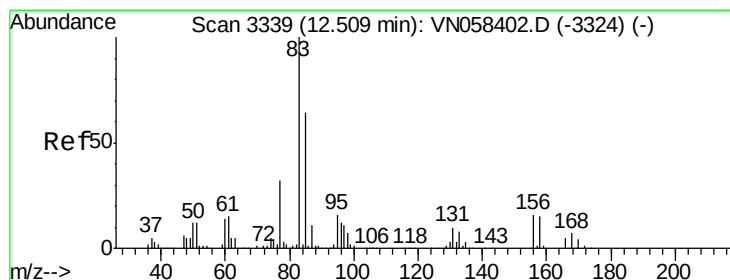
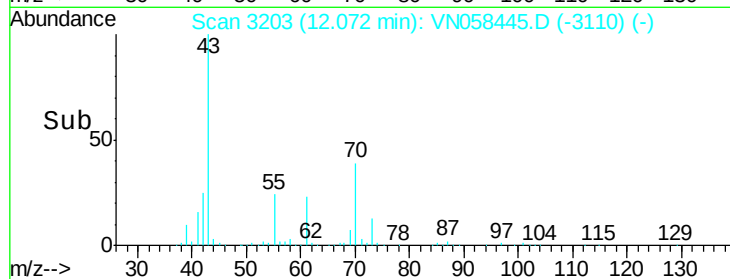
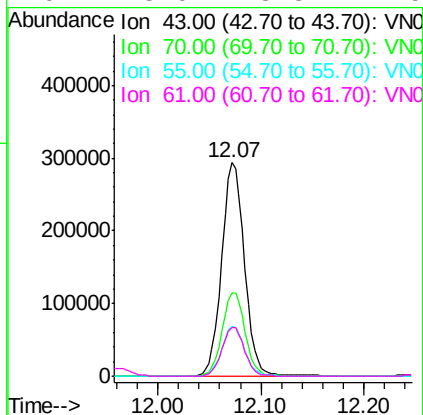
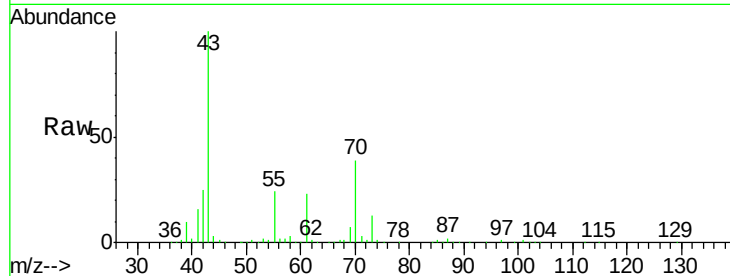




#74
N-amyl acetate
Concen: 49.897 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

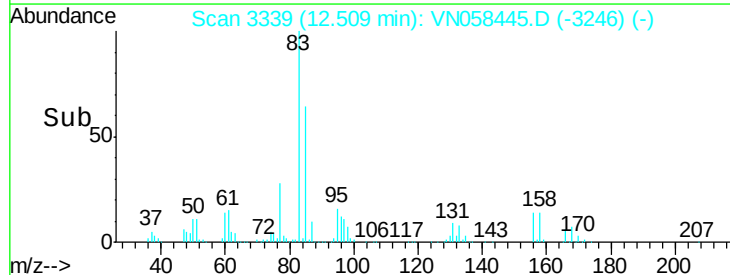
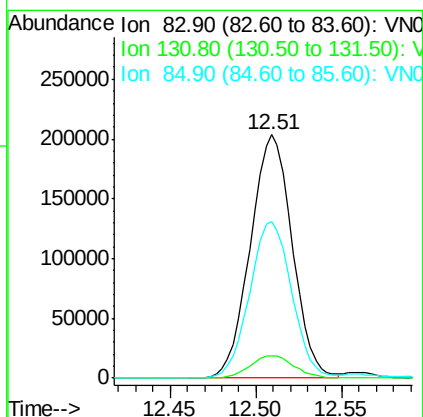
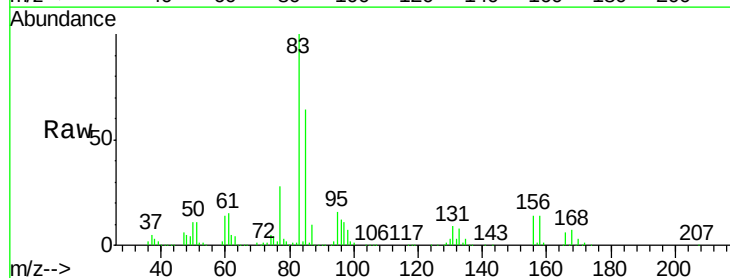
Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

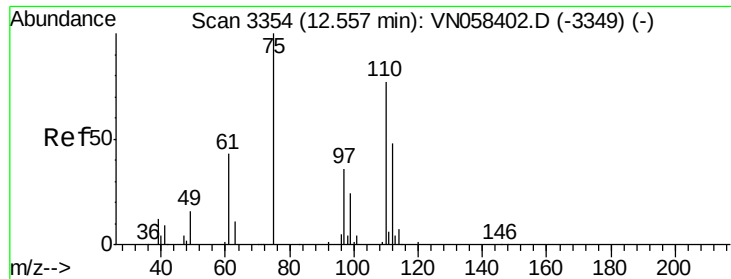
Tot Ion: 43 Resp: 449771
Ion Ratio Lower Upper
43 100
70 39.7 31.4 47.2
55 23.7 18.2 27.4
61 23.0 18.3 27.5



#75
1,1,2,2-Tetrachloroethane
Concen: 51.273 ug/l
RT: 12.51 min Scan# 3339
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Tgt Ion: 83 Resp: 343529
Ion Ratio Lower Upper
83 100
131 9.6 4.9 14.7
85 64.6 32.0 96.0





#76

1,2,3-Trichloropropane

Concen: 76.099 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

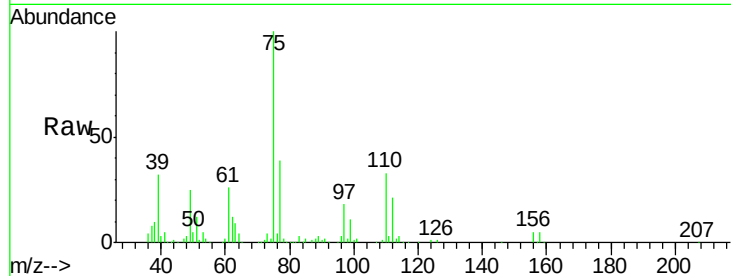
SA-MW184S-20190924MS

Tot Ion: 75 Resp: 426150

Ion Ratio Lower Upper

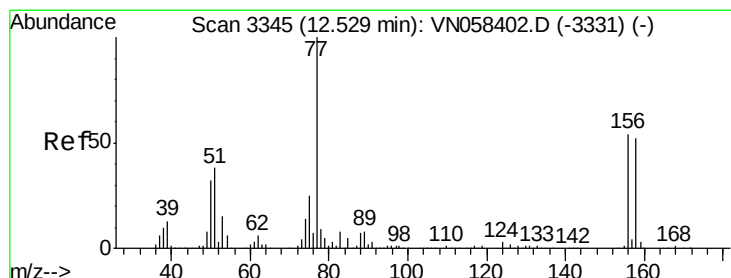
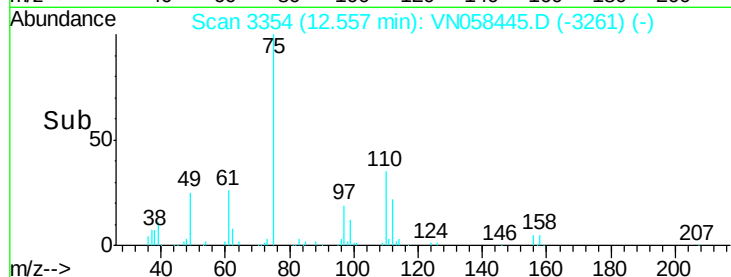
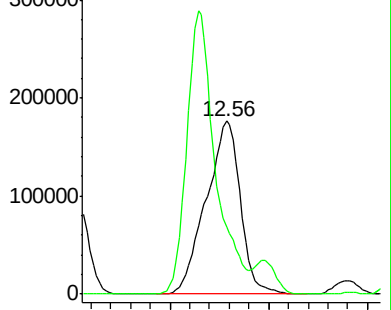
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058402.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058402.D (-3349) (-)



#77

Bromobenzene

Concen: 49.791 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

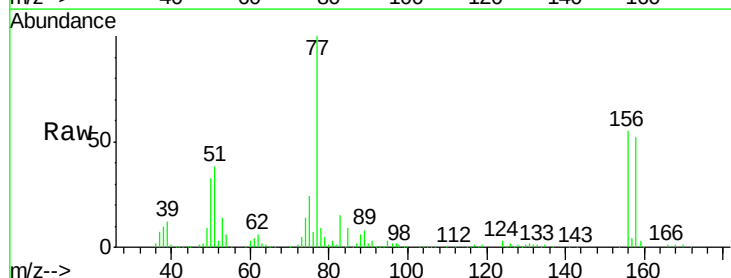
Tgt Ion: 156 Resp: 264529

Ion Ratio Lower Upper

156 100

77 222.3 110.0 330.0

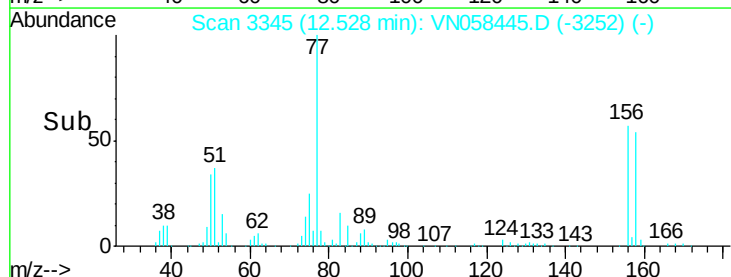
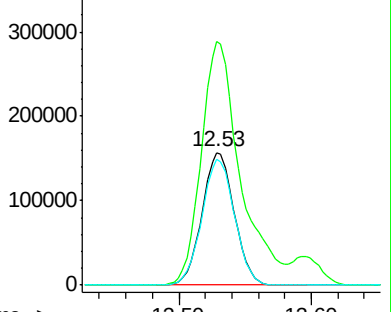
158 96.3 47.9 143.8

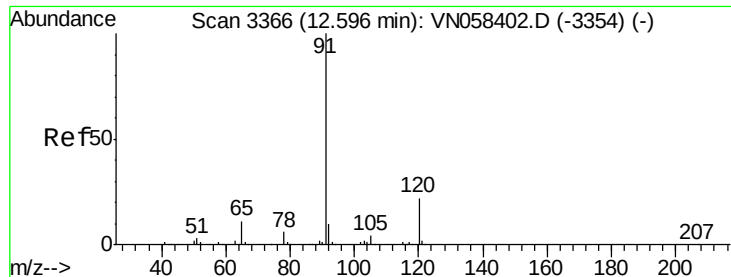


Abundance Ion 155.80 (155.50 to 156.50): VN058402.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN058402.D (-3331) (-)

Ion 157.80 (157.50 to 158.50): VN058402.D (-3331) (-)





#78

n-propylbenzene

Concen: 53.524 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

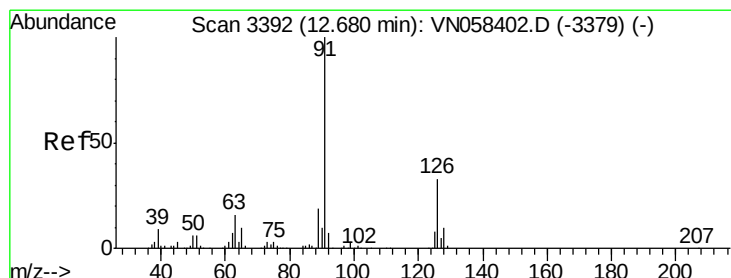
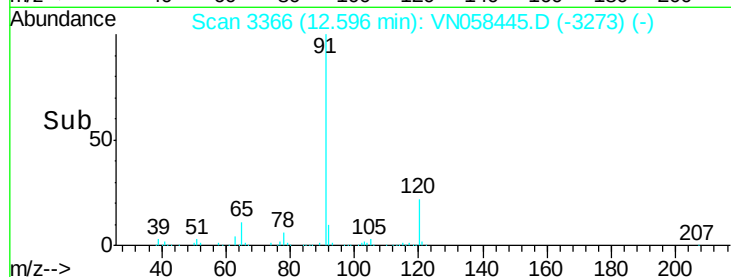
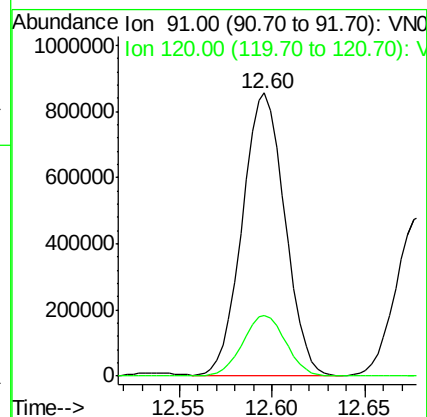
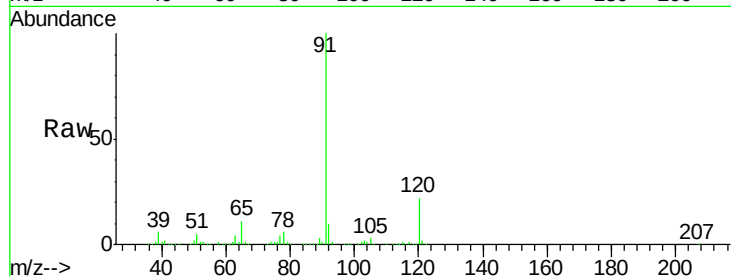
SA-MW184S-20190924MS

Tot Ion: 91 Resp: 1366299

Ion Ratio Lower Upper

91 100

120 21.7 10.9 32.9



#79

2-Chlorotoluene

Concen: 50.797 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058445.D

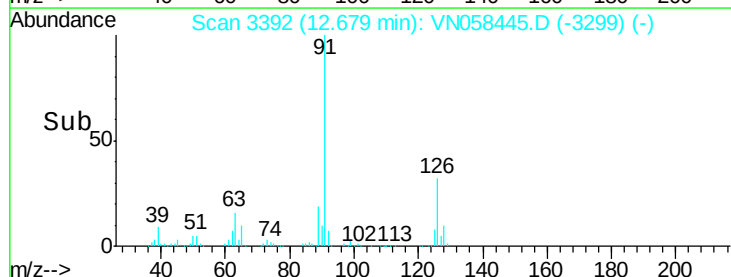
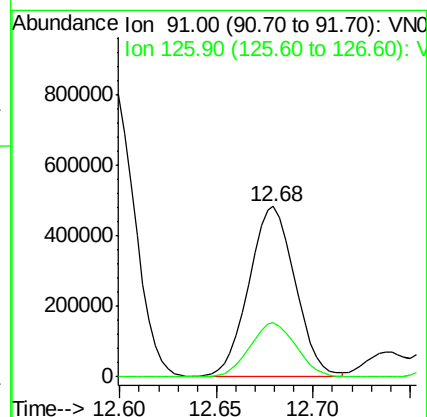
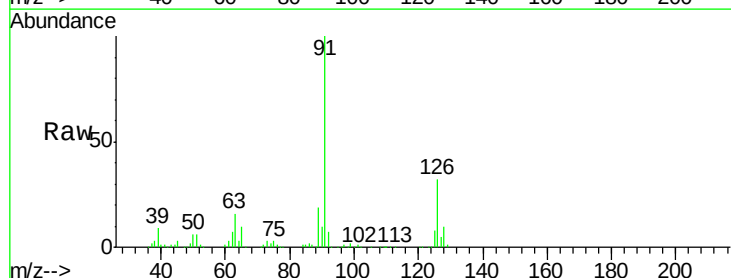
Acq: 30 Sep 2019 18:52

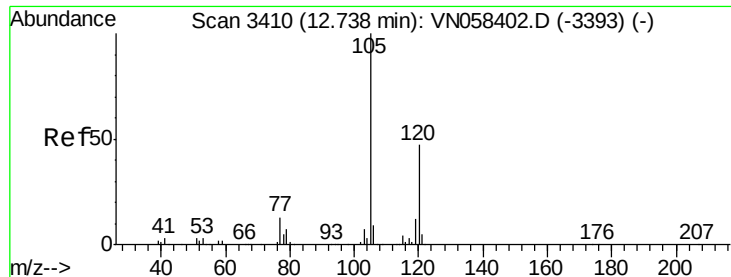
Tgt Ion: 91 Resp: 800355

Ion Ratio Lower Upper

91 100

126 32.0 16.2 48.6

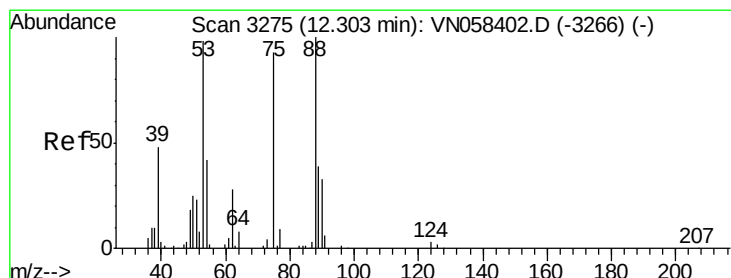
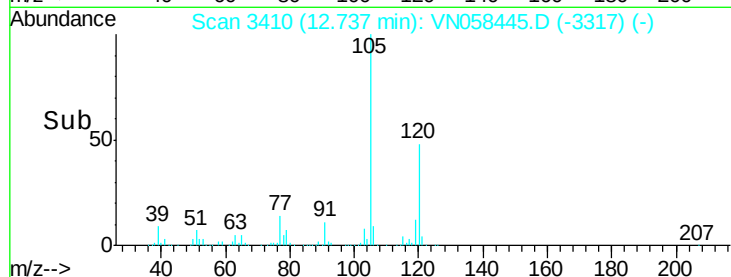
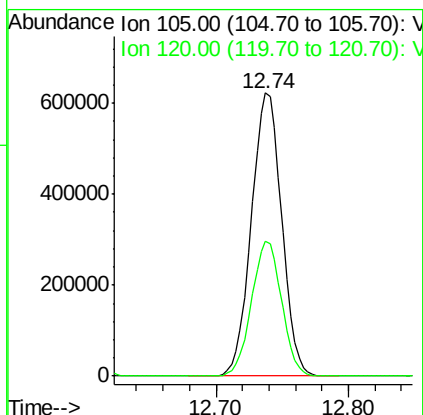
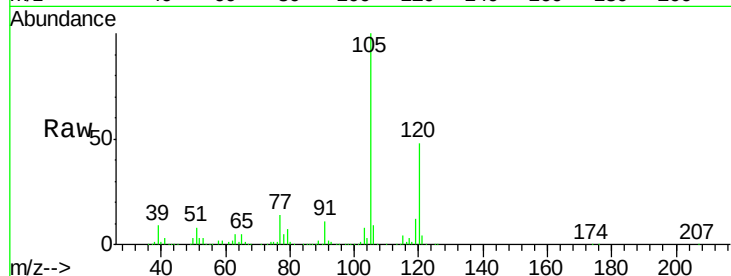




#80
 1,3,5-Trimethylbenzene
 Concen: 52.092 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

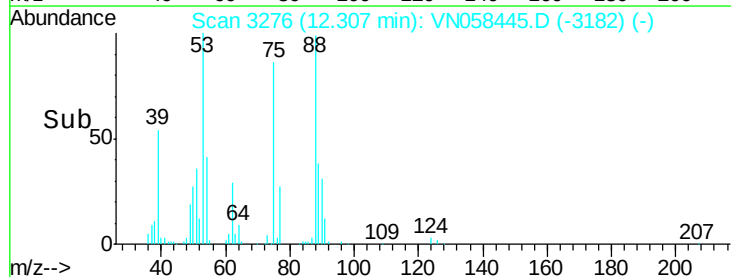
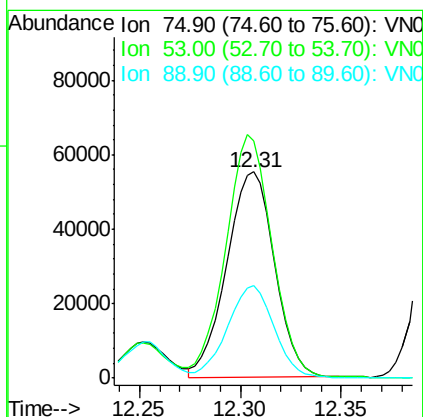
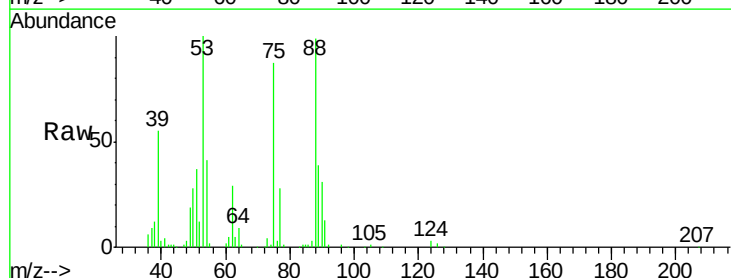
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

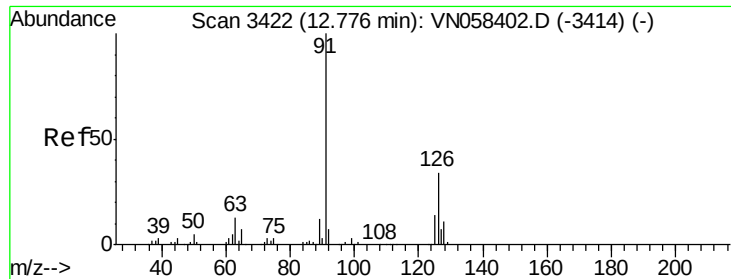
Tot Ion:105 Resp: 988031
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.5 70.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.777 ug/l
 RT: 12.31 min Scan# 3276
 Delta R.T. 0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Tgt Ion: 75 Resp: 91780
 Ion Ratio Lower Upper
 75 100
 53 113.7 85.4 128.0
 89 44.1 35.0 52.4





#82

4-Chlorotoluene

Concen: 51.062 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

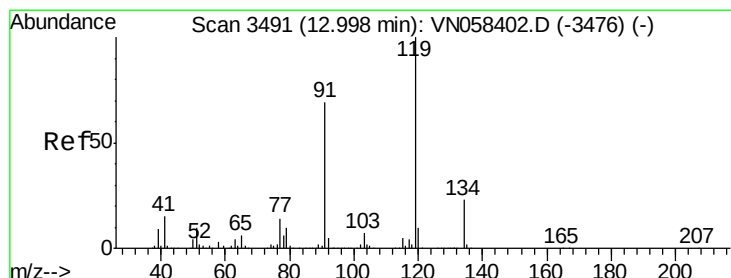
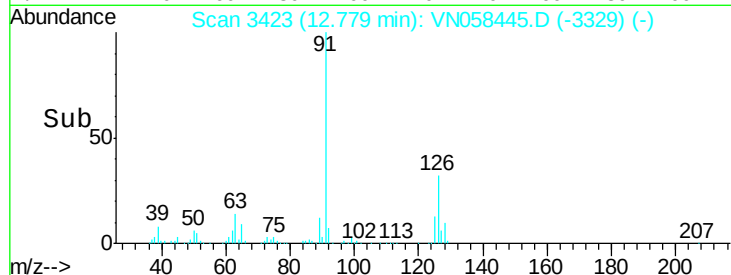
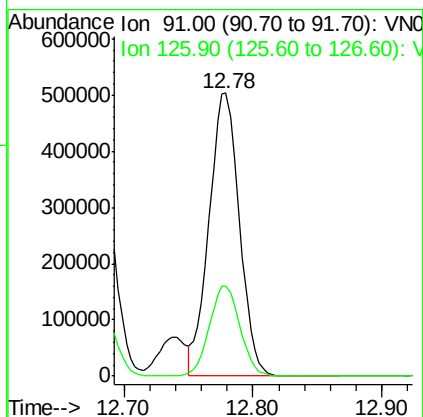
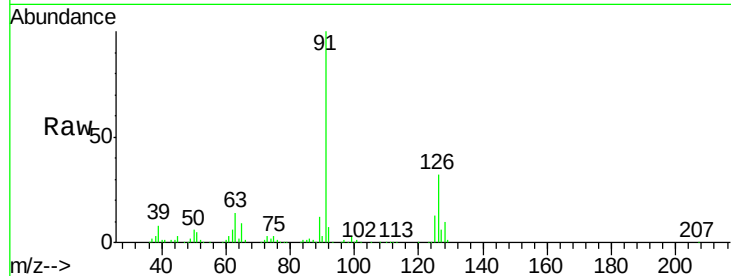
SA-MW184S-20190924MS

Tot Ion: 91 Resp: 820955

Ion Ratio Lower Upper

91 100

126 32.2 15.9 47.7



#83

tert-Butylbenzene

Concen: 51.724 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

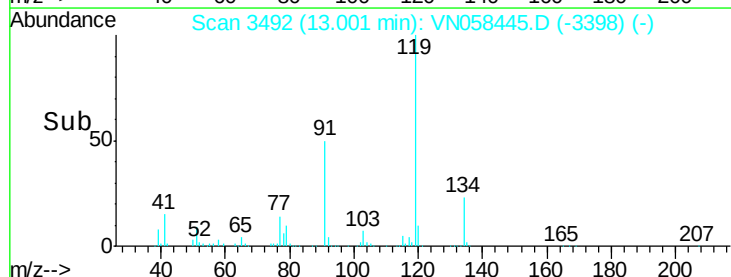
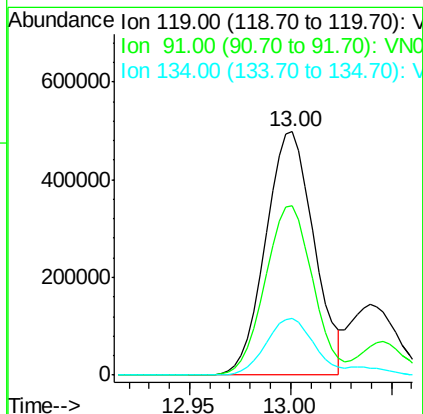
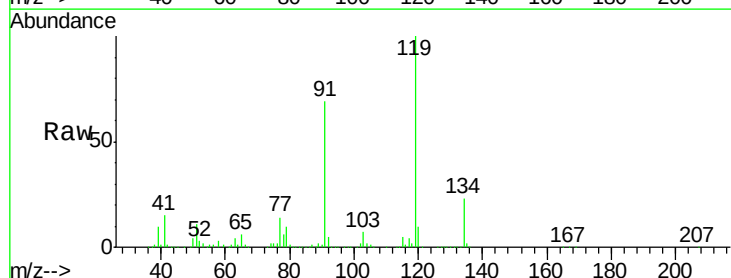
Tgt Ion: 119 Resp: 827836

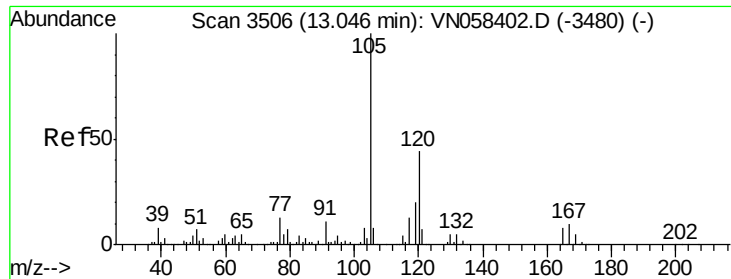
Ion Ratio Lower Upper

119 100

91 68.6 34.2 102.6

134 23.4 11.6 34.8

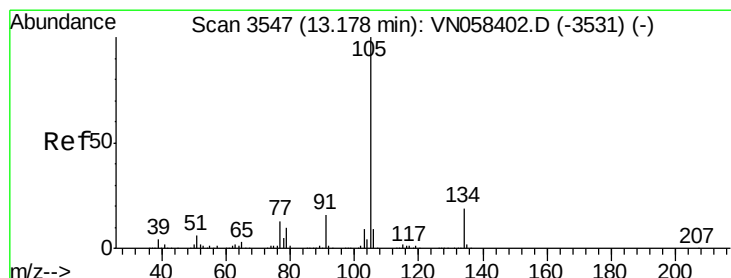
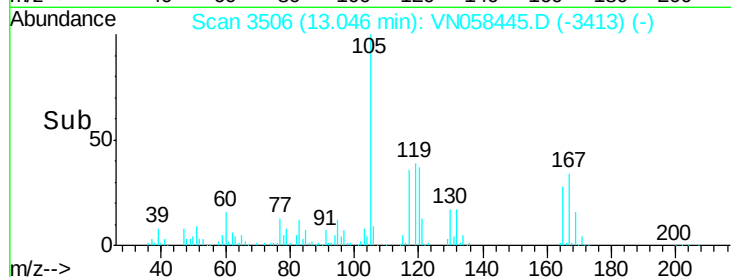
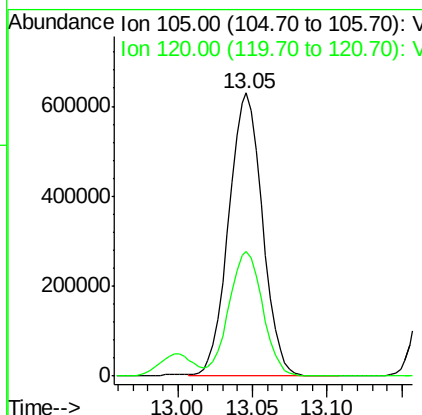
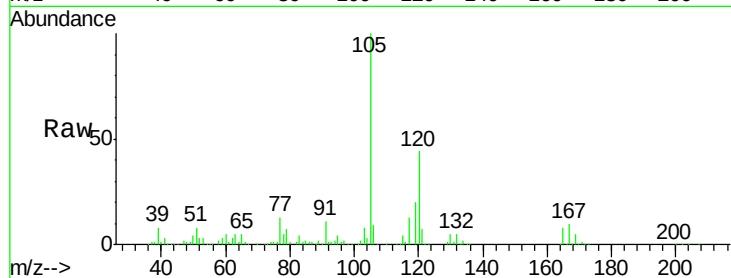




#84
 1,2,4-Trimethylbenzene
 Concen: 51.831 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

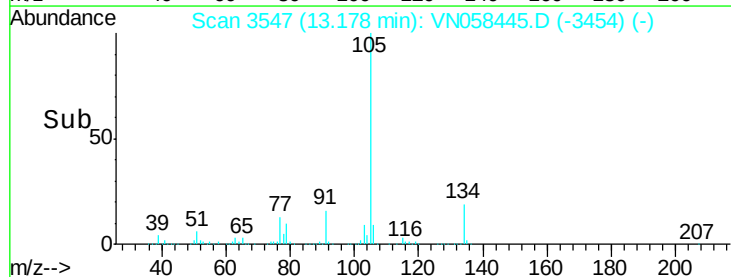
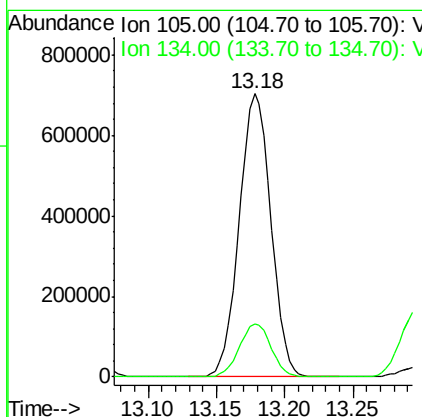
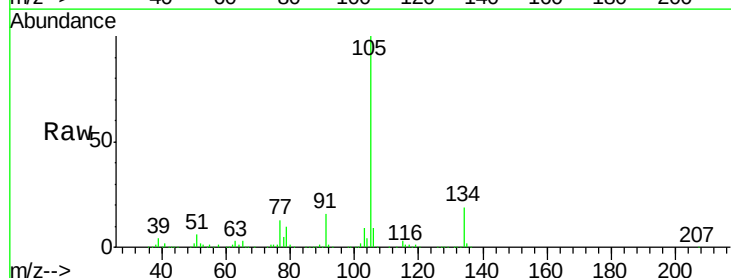
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

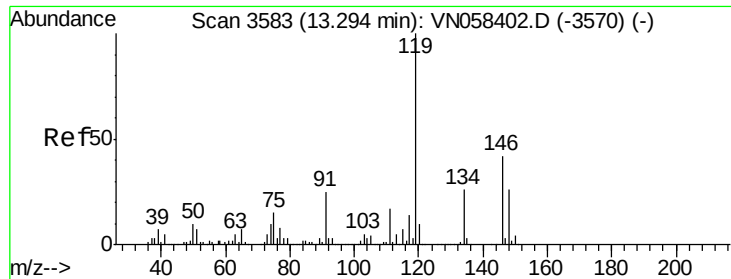
Tot Ion:105 Resp: 984947
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.7 65.1



#85
 sec-Butylbenzene
 Concen: 53.603 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Tgt Ion:105 Resp: 1129163
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.4 28.2

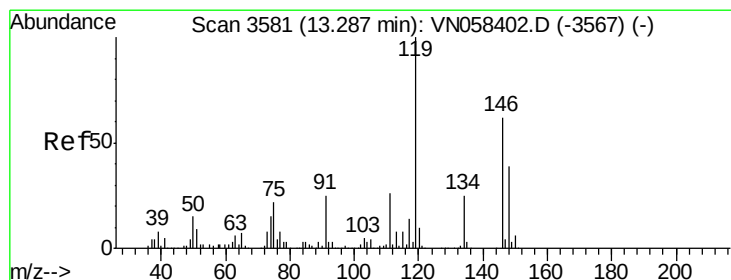
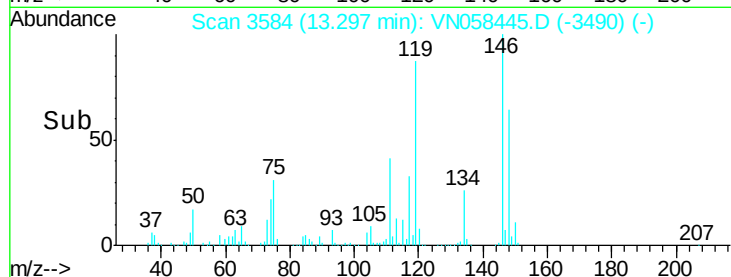
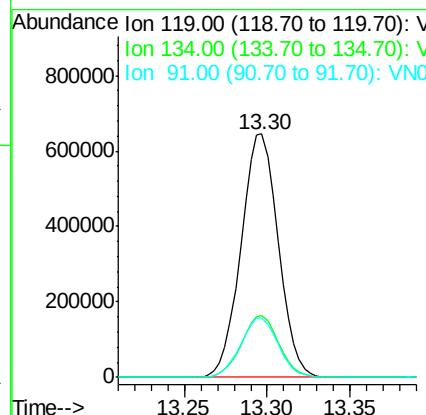
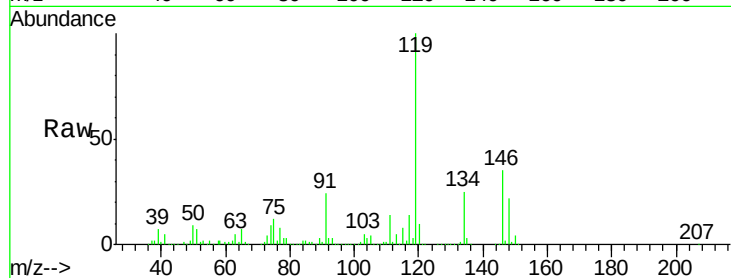




#86
 p-Isopropyltoluene
 Concen: 54.269 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

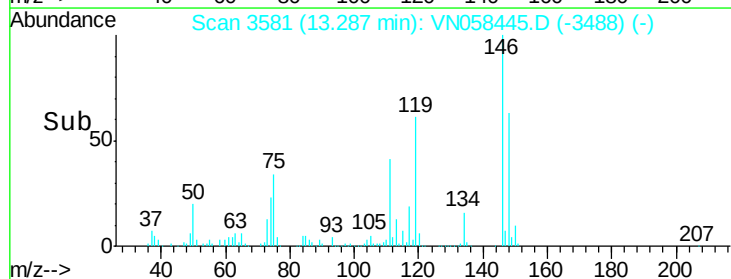
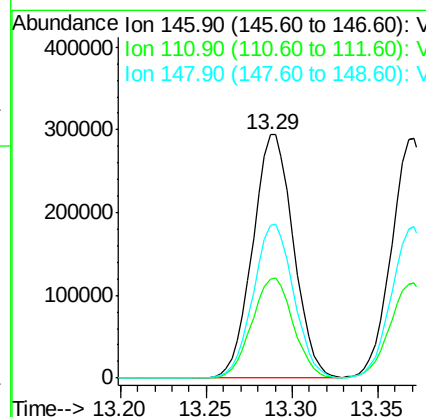
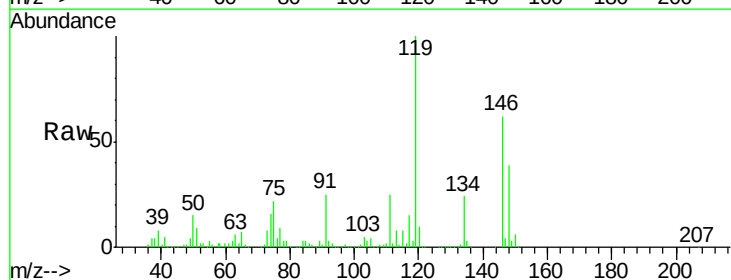
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

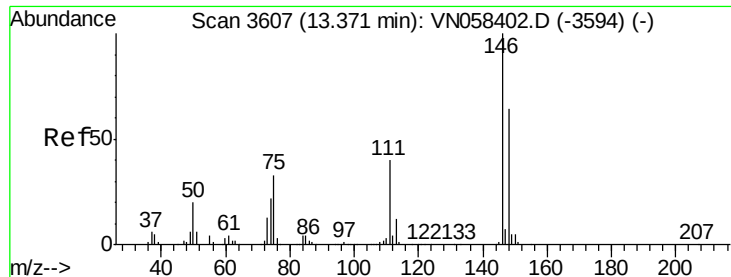
Tot Ion:119 Resp: 1006288
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.0 39.0
 91 24.6 12.4 37.0



#87
 1,3-Dichlorobenzene
 Concen: 50.257 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Tgt Ion:146 Resp: 484156
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.8 62.4
 148 62.8 31.4 94.3

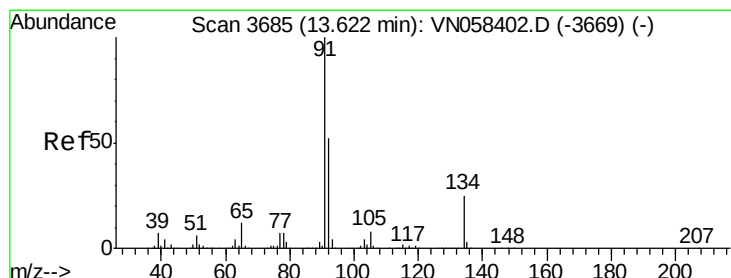
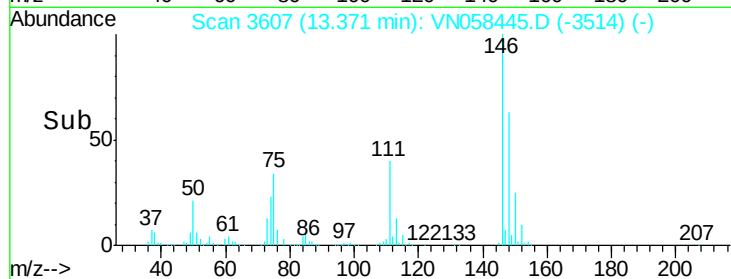
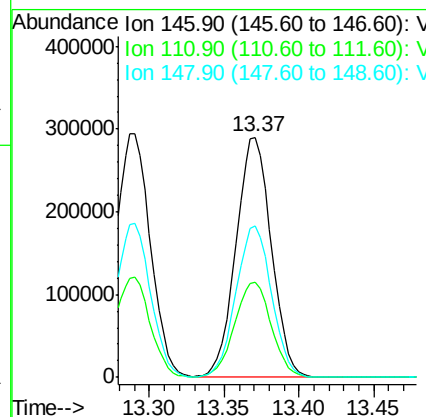
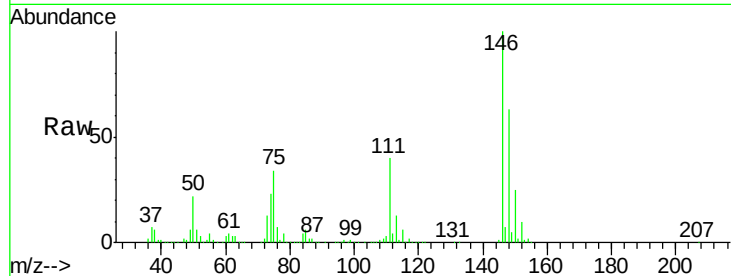




#88
 1,4-Dichlorobenzene
 Concen: 49.761 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

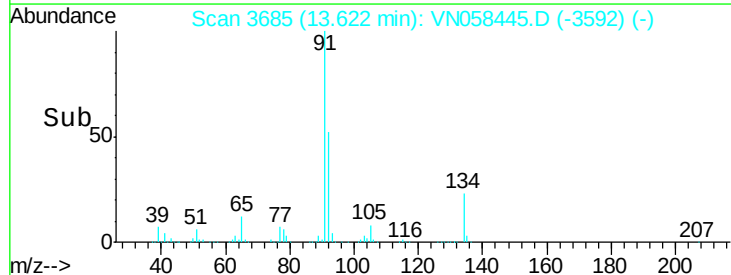
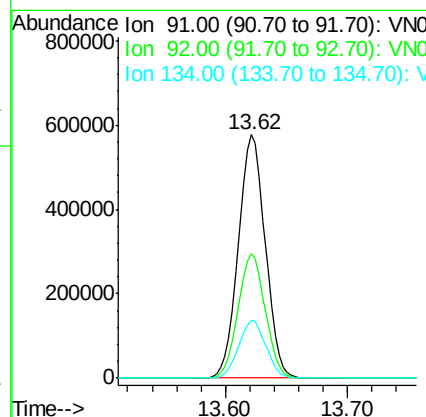
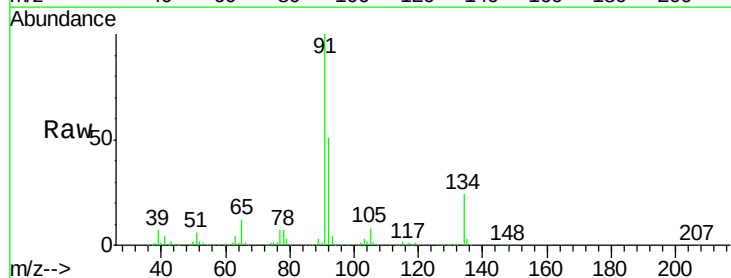
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

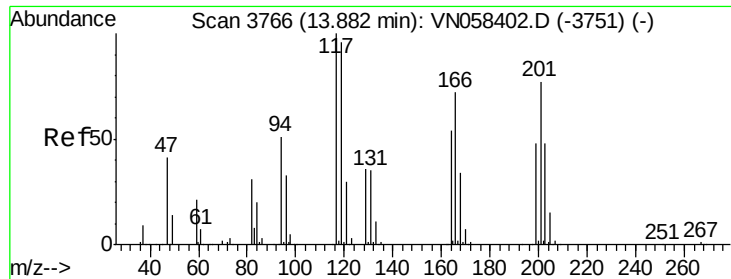
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.6
148	63.5	31.5	94.5



#89
 n-Butylbenzene
 Concen: 52.700 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.7	77.1
134	24.0	12.2	36.6





#90

Hexachloroethane

Concen: 57.365 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

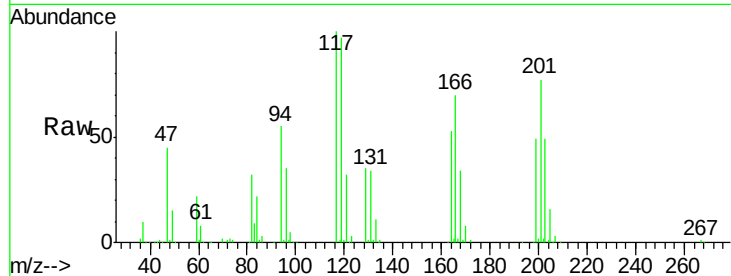
SA-MW184S-20190924MS

Tot Ion:117 Resp: 159817

Ion Ratio Lower Upper

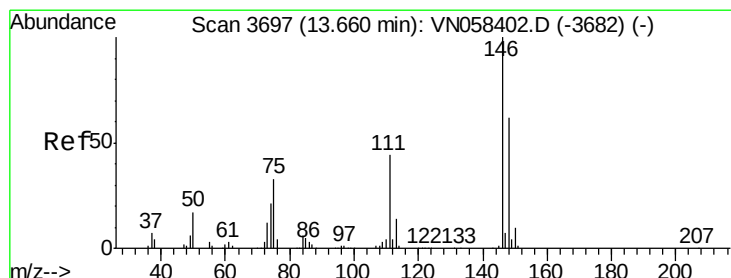
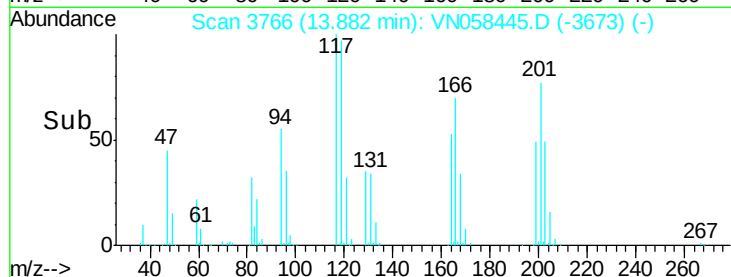
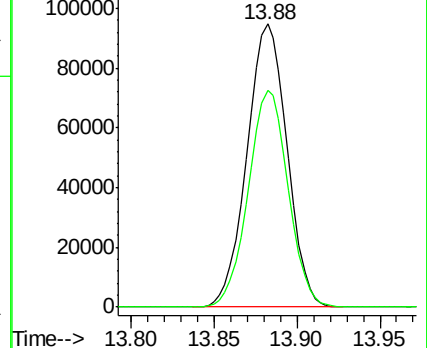
117 100

201 76.0 38.6 116.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 51.580 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

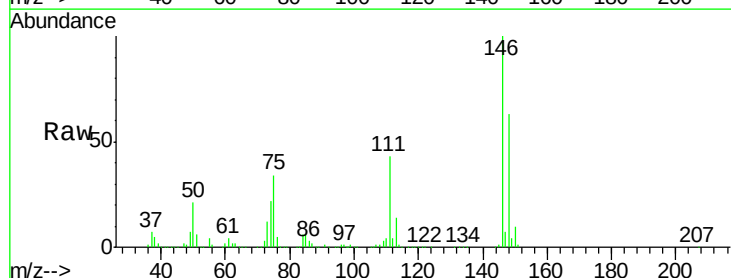
Tgt Ion:146 Resp: 477438

Ion Ratio Lower Upper

146 100

111 43.2 21.8 65.3

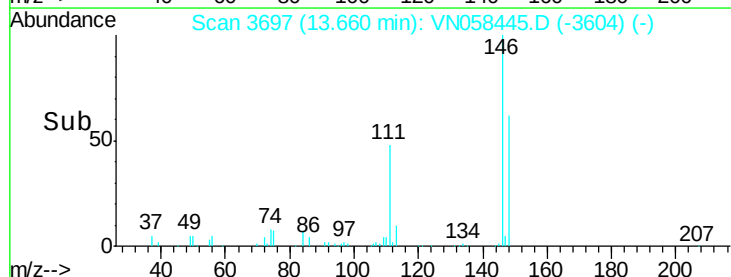
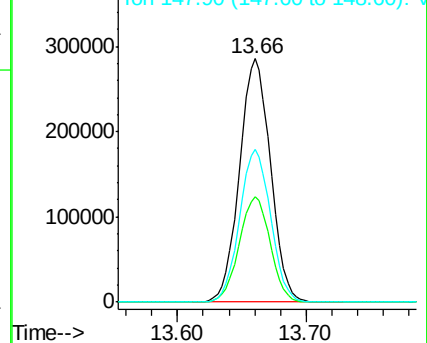
148 62.6 31.5 94.5

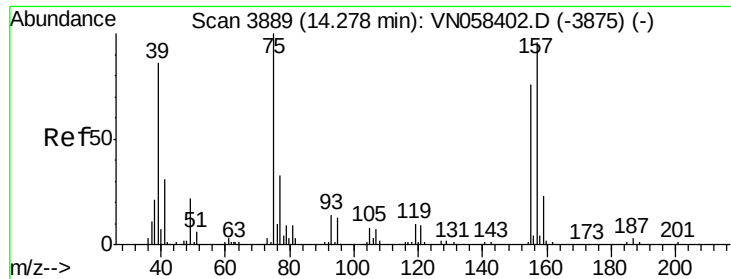


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.961 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MS

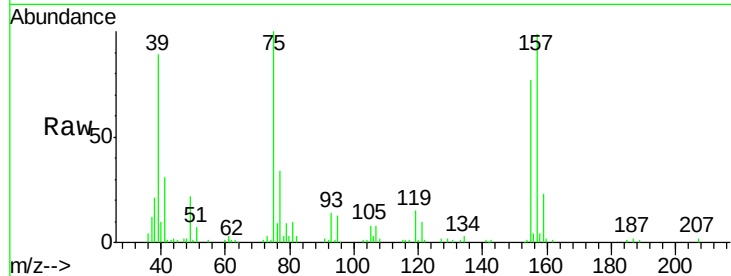
Tot Ion: 75 Resp: 63756

Ion Ratio Lower Upper

75 100

155 75.3 39.2 117.6

157 95.8 48.7 146.1

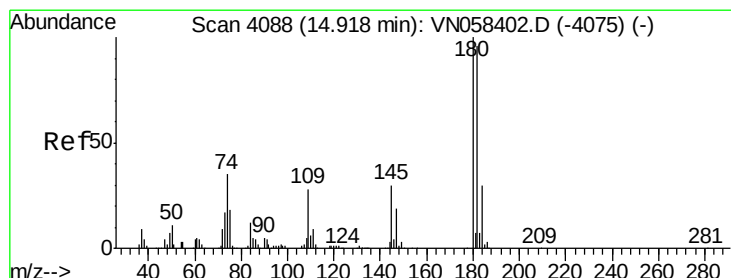
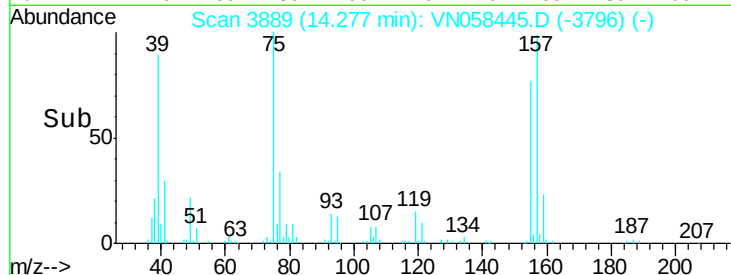


Abundance Ion 74.90 (74.60 to 75.60): VN058402.D (-3875) (-)

Ion 154.80 (154.50 to 155.50): VN058402.D (-3875) (-)

Ion 156.80 (156.50 to 157.50): VN058402.D (-3875) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 52.327 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

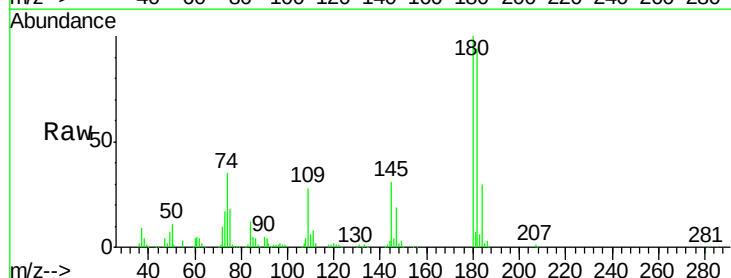
Tgt Ion: 180 Resp: 267647

Ion Ratio Lower Upper

180 100

182 94.2 47.4 142.3

145 30.5 15.3 45.9

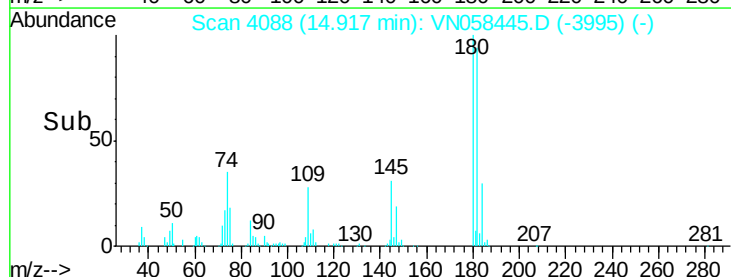


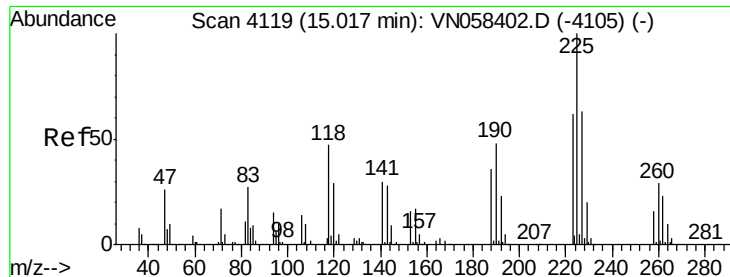
Abundance Ion 179.80 (179.50 to 180.50): VN058402.D (-4075) (-)

Ion 181.80 (181.50 to 182.50): VN058402.D (-4075) (-)

Ion 144.80 (144.50 to 145.50): VN058402.D (-4075) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 49.479 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MS

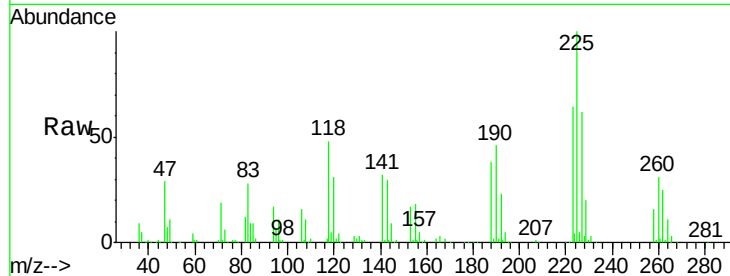
Tot Ion:225 Resp: 130080

Ion Ratio Lower Upper

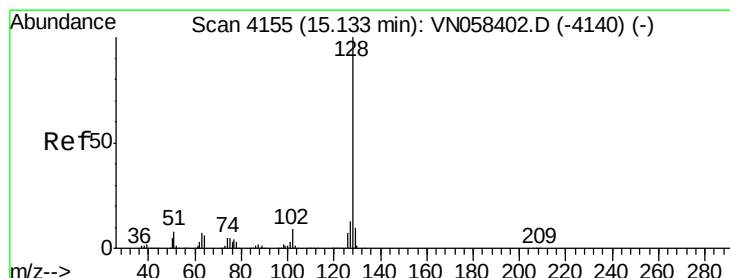
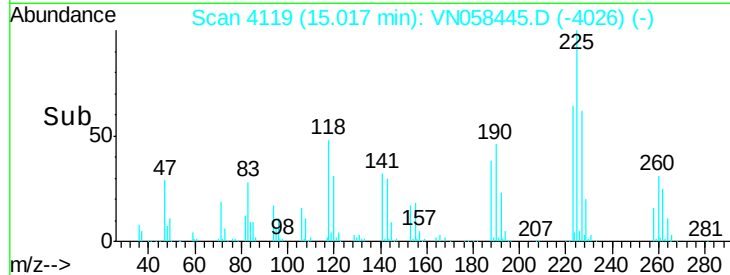
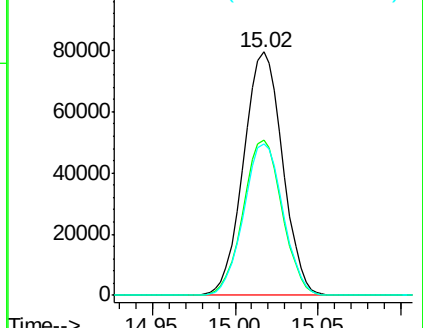
225 100

223 63.7 31.1 93.5

227 62.8 31.4 94.2



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: 47.979 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

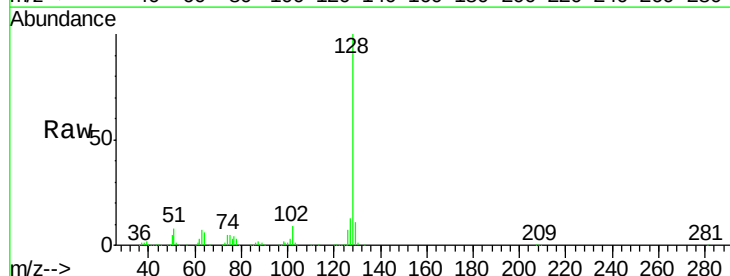
Tgt Ion:128 Resp: 718706

Ion Ratio Lower Upper

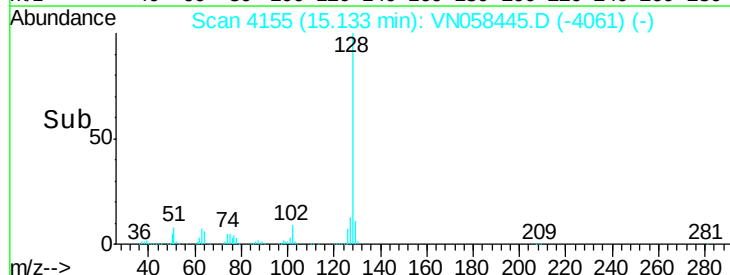
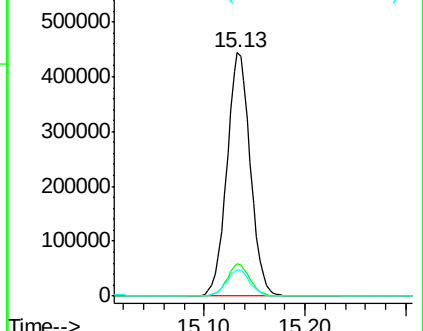
128 100

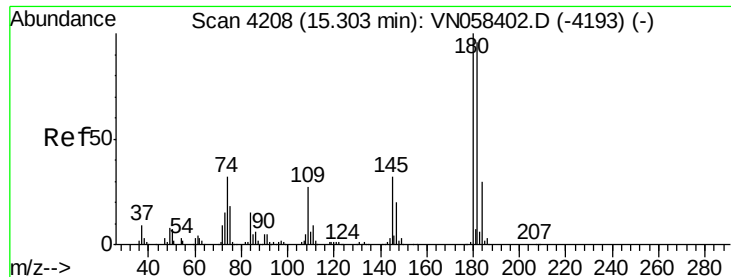
127 13.0 10.2 15.4

129 10.9 8.3 12.5



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: 48.826 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

SA-MW184S-20190924MS

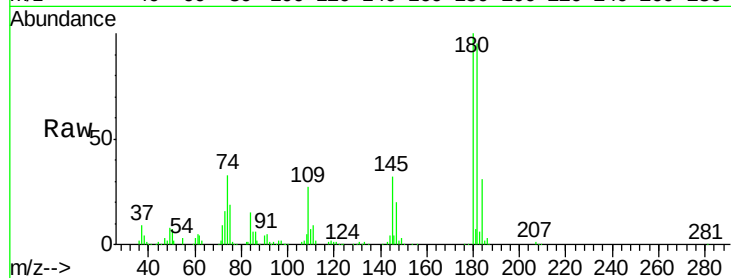
Tot Ion:180 Resp: 250387

Ion Ratio Lower Upper

180 100

182 96.6 48.3 144.9

145 32.8 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

