

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

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:22:26 AM

Quant Time: Oct 01 08:45:44 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

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

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:22:26 AM

Quant Time: Oct 01 08:45:44 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)
39) Methylcyclohexane	9.07	83	393986	50.980	ug/l	99
40) Benzene	8.03	78	977734	51.398	ug/l	100
41) Methacrylonitrile	7.16	41	129061m	50.000	ug/l	
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) Styrene	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	296074m	52.871	ug/l	
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

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

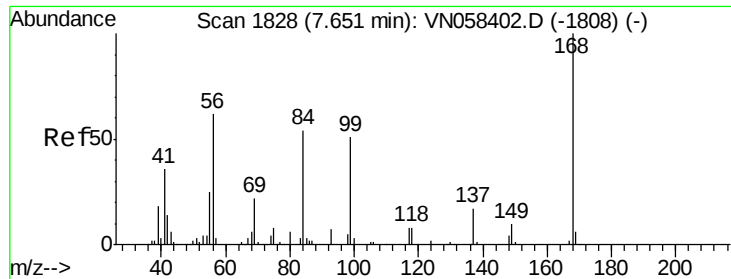
Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM

Quant Time: Oct 01 08:45:44 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)
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

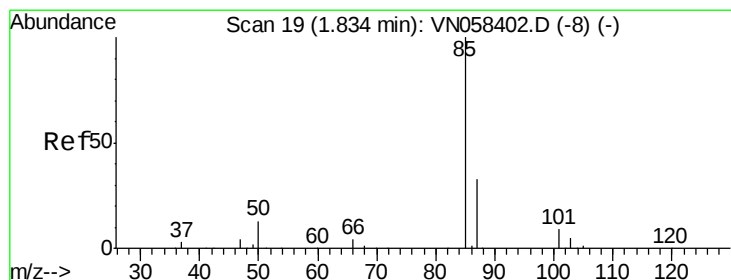
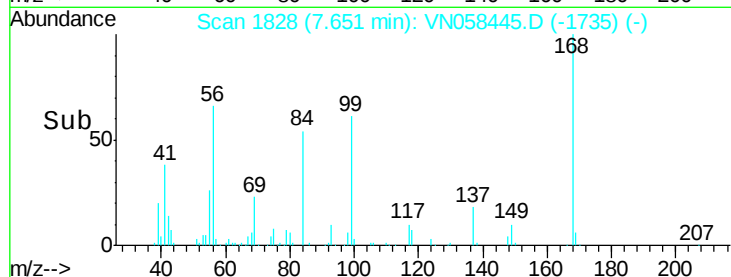
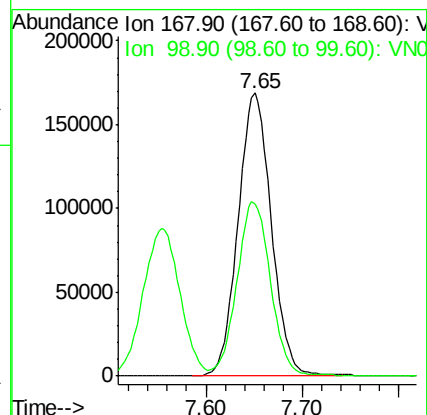
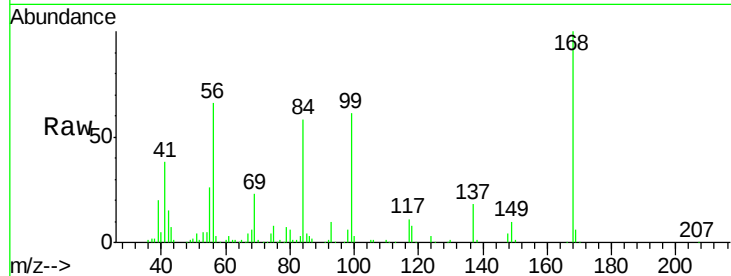
Ion Ratio Lower Upper

168 100

99 60.7 47.7 71.5

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



#2

Dichlorodifluoromethane

Concen: 49.635 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058445.D

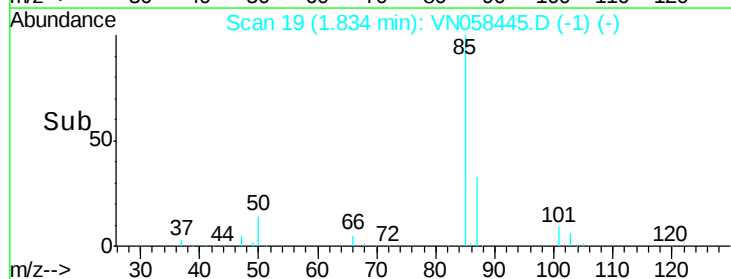
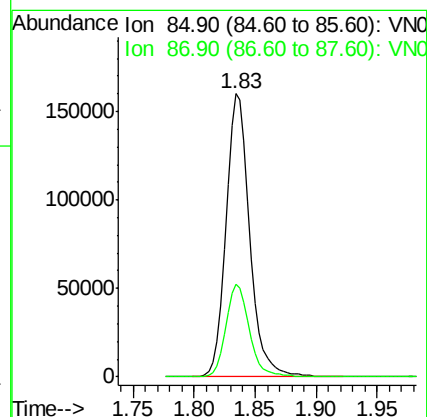
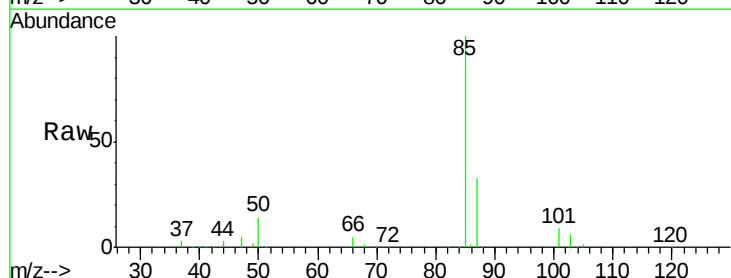
Acq: 30 Sep 2019 18:52

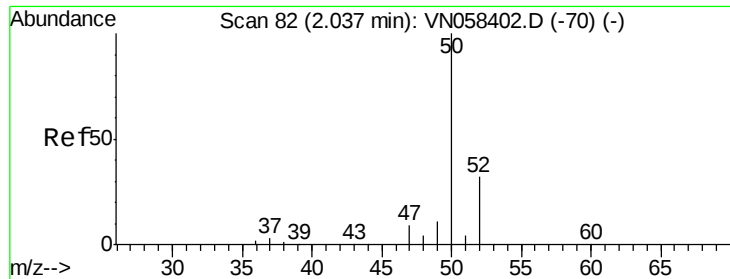
Tgt Ion: 85 Resp: 219612

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

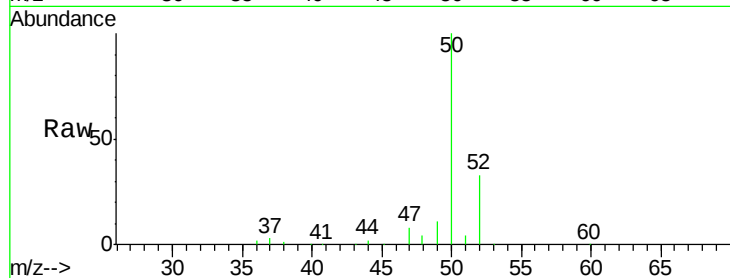
Ion Ratio Lower Upper

50 100

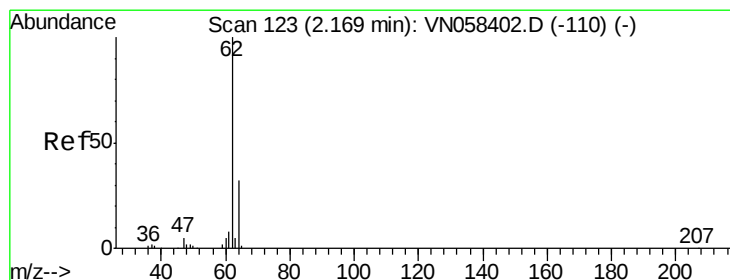
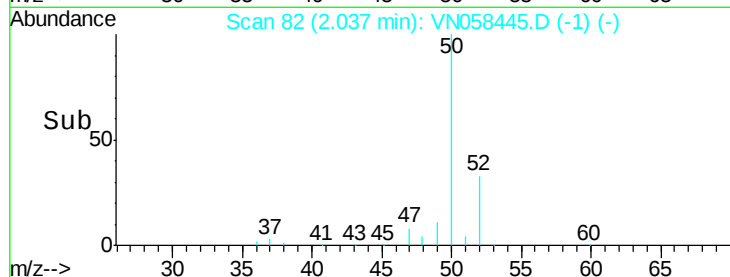
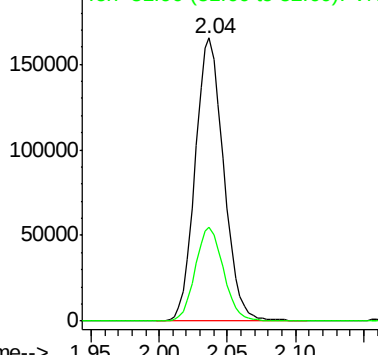
52 33.1 25.9 38.9

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



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

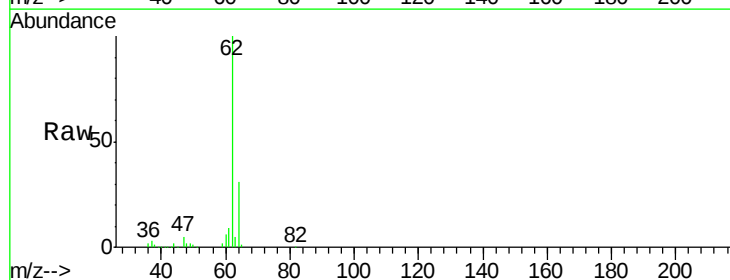
Acq: 30 Sep 2019 18:52

Tgt Ion: 62 Resp: 245661

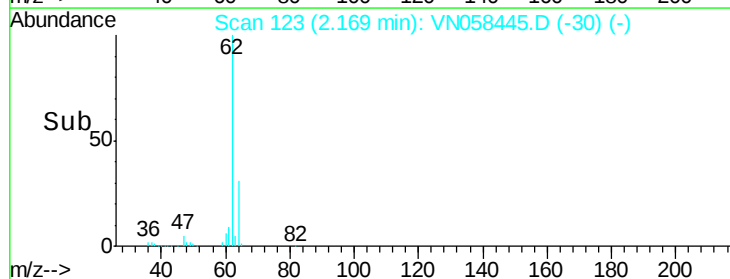
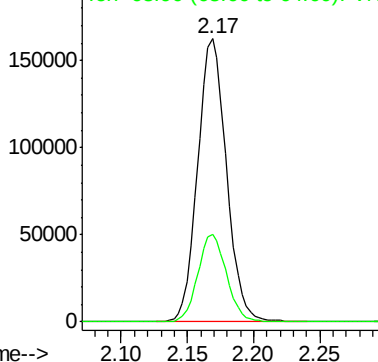
Ion Ratio Lower Upper

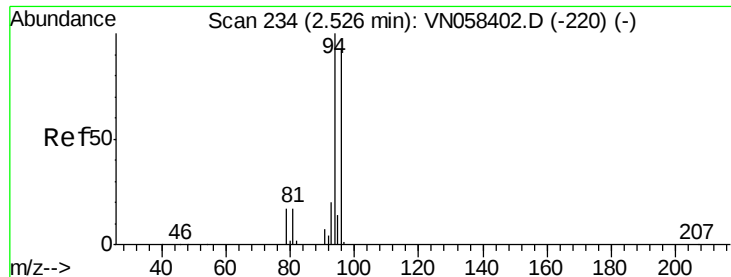
62 100

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

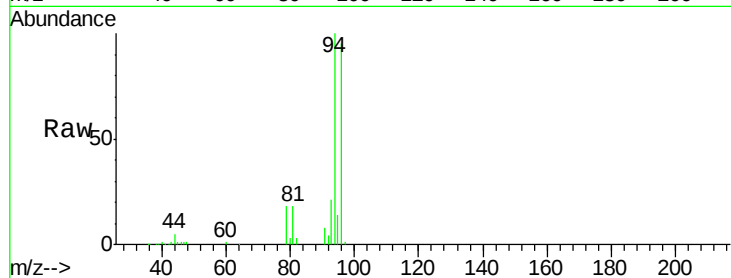
94 100

96 94.8 74.8 112.2

Manual Integrations
APPROVED

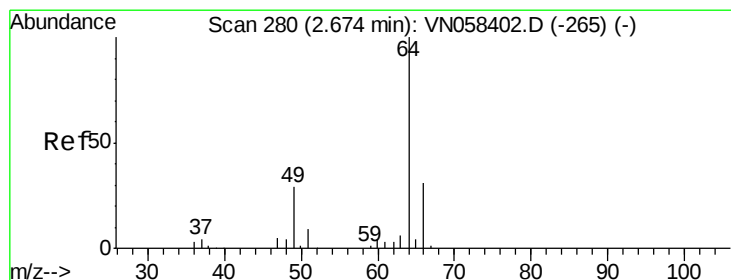
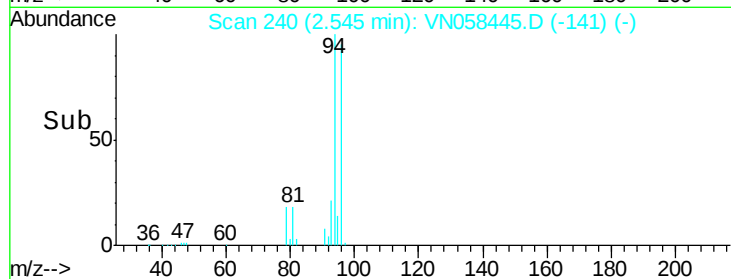
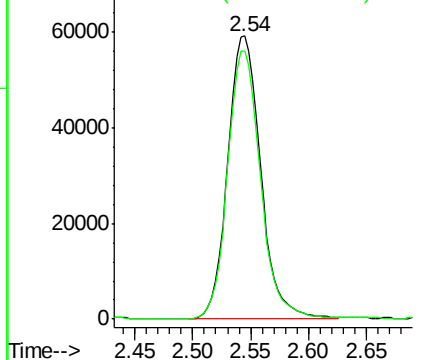
MMDadoda

10/2/2019 9:22:26 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 51.658 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058445.D

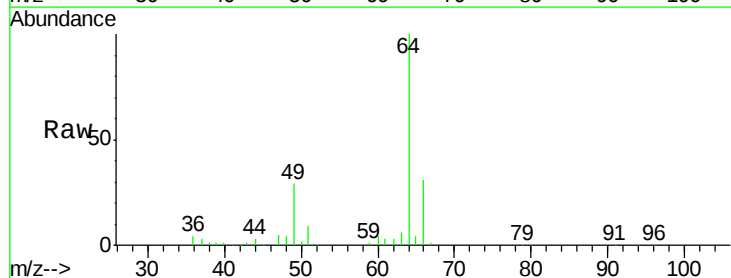
Acq: 30 Sep 2019 18:52

Tgt Ion: 64 Resp: 147491

Ion Ratio Lower Upper

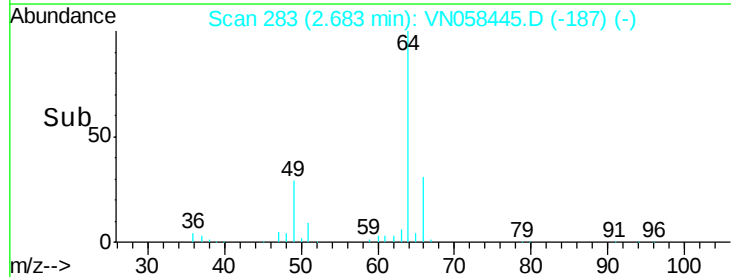
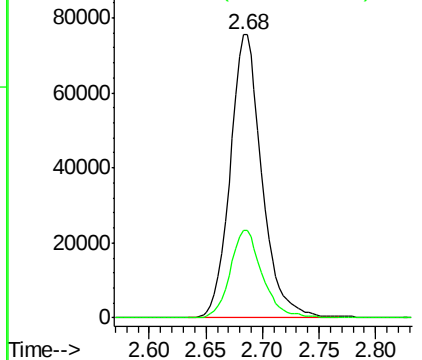
64 100

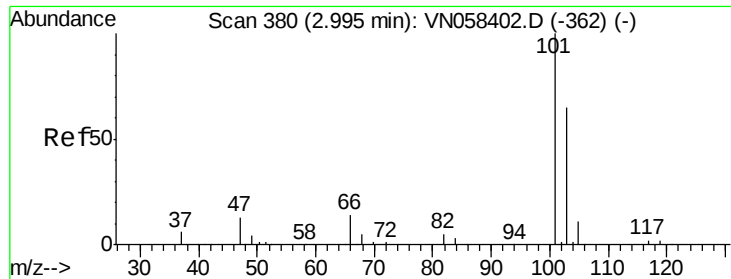
66 31.0 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

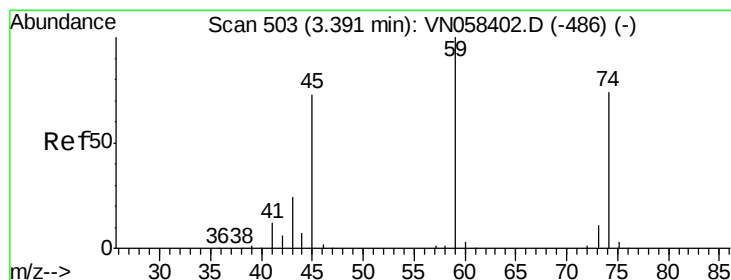
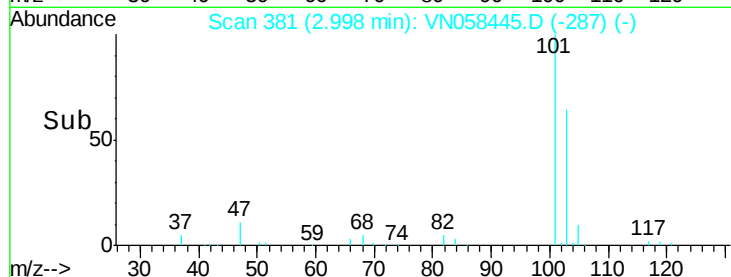
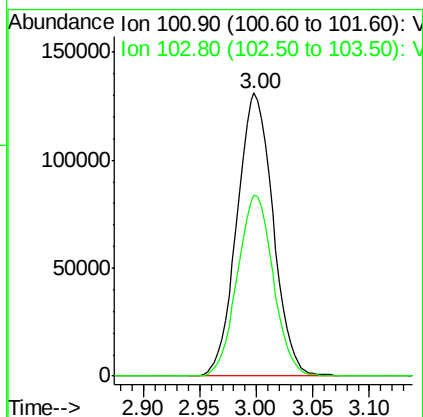
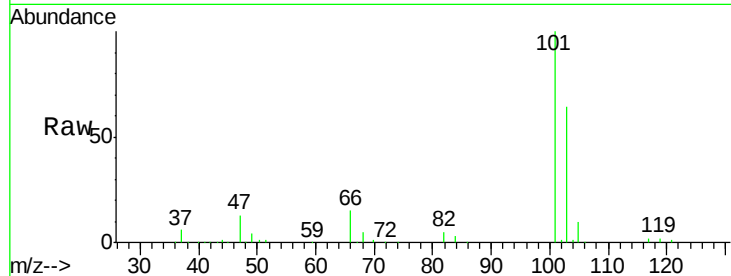
Trichlorofluoromethane
Concen: 50.828 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.3	78.5

Manual Integrations
APPROVED

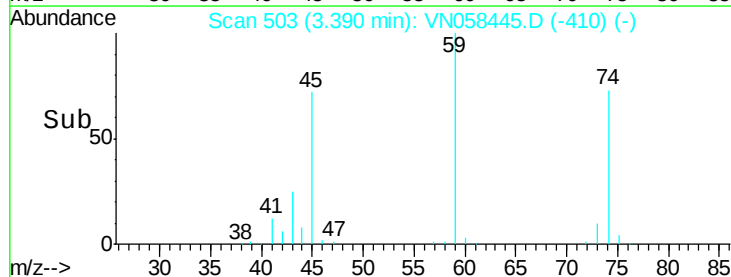
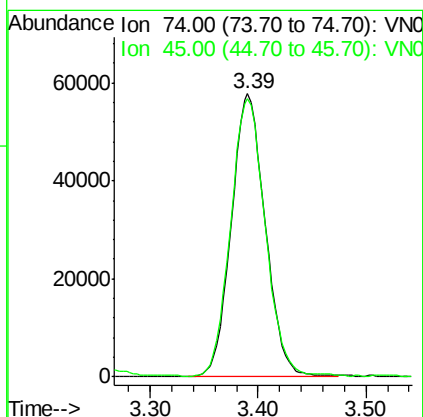
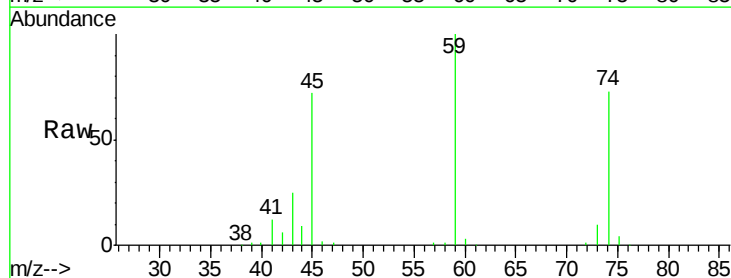
MMDadoda
10/2/2019 9:22:26 AM

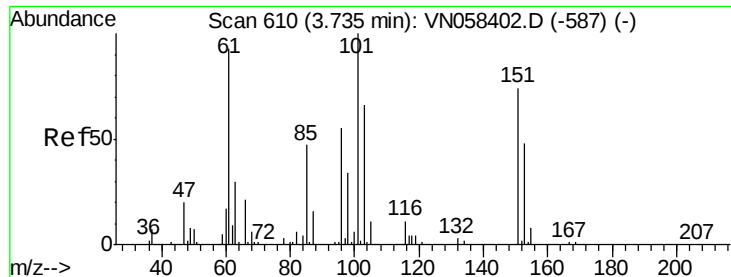


#8

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	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

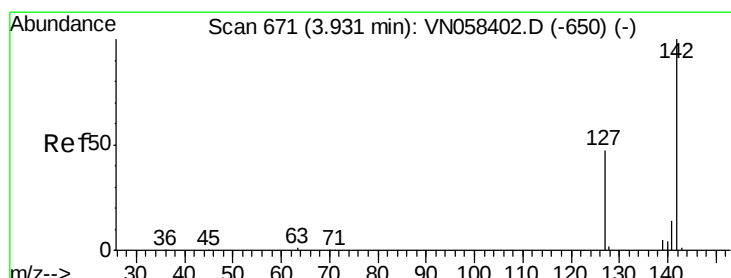
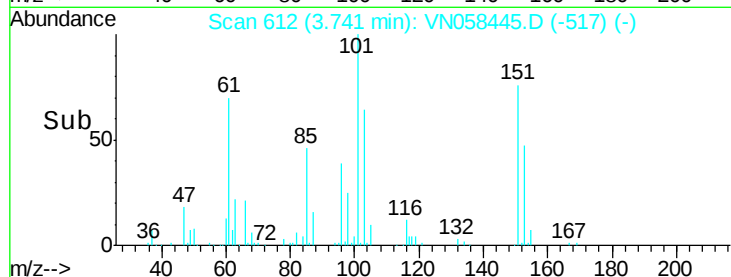
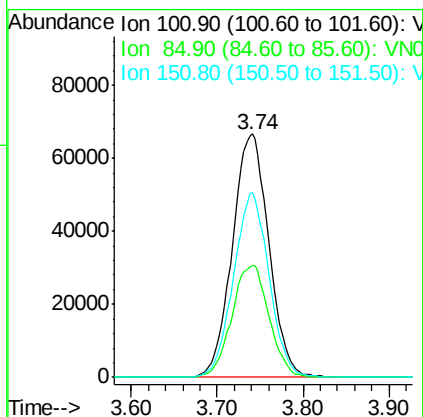
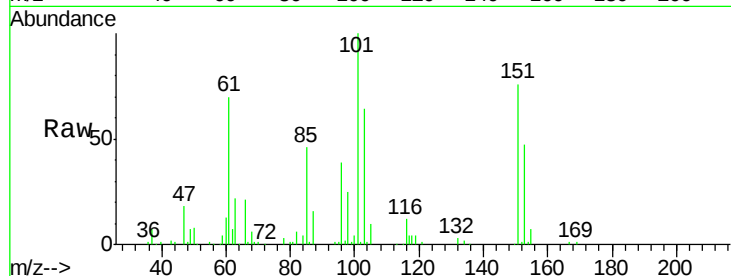
ClientSampleId :

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

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



#10

Methyl Iodide

Concen: 48.086 ug/l

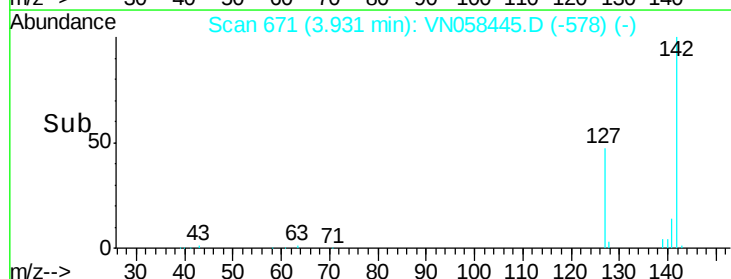
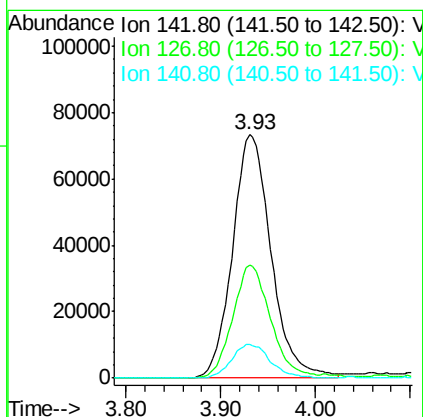
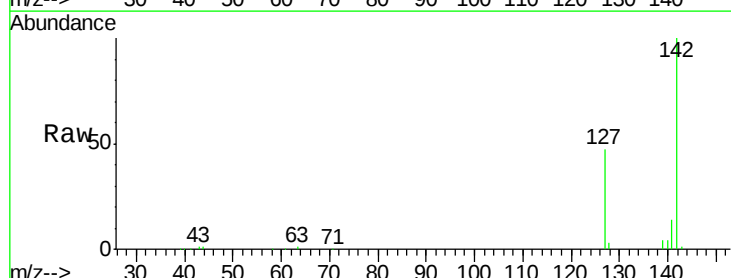
RT: 3.93 min Scan# 671

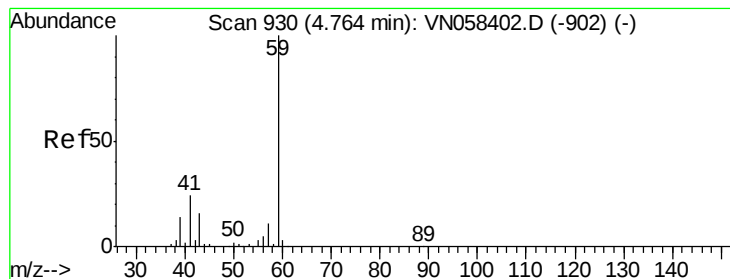
Delta R.T. -0.00 min

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





#11

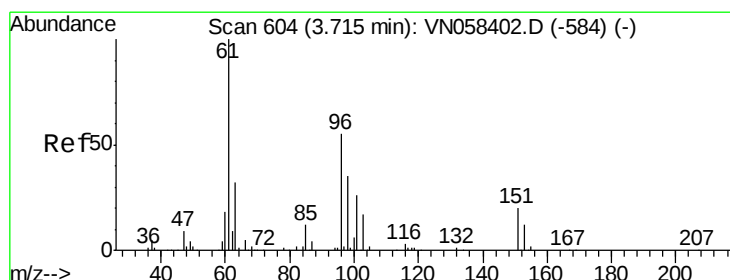
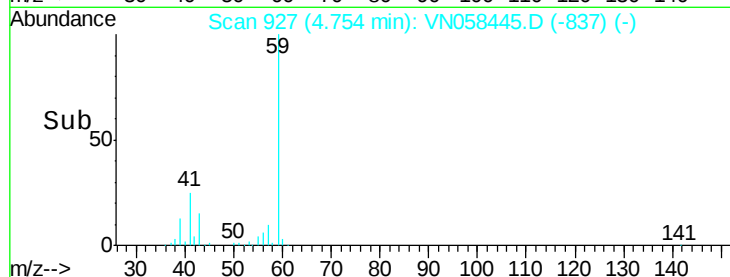
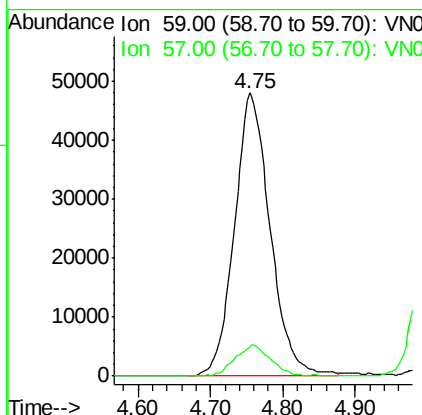
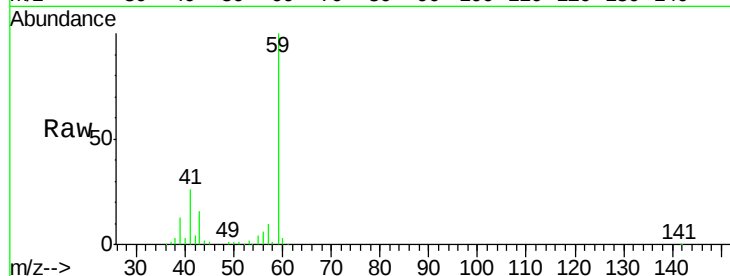
Tert butyl alcohol
 Concen: 250.678 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.0	13.4

Manual Integrations
 APPROVED

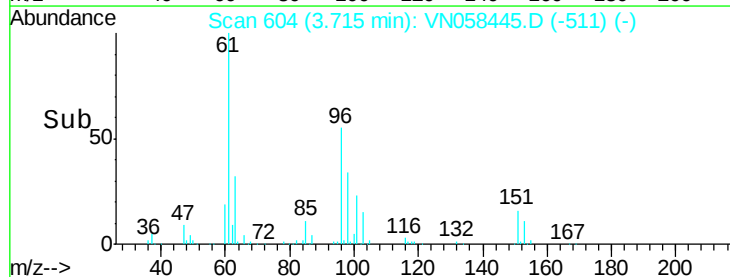
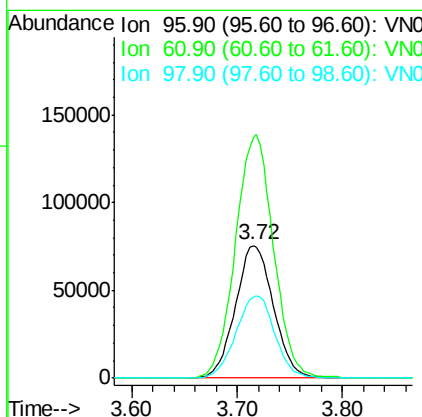
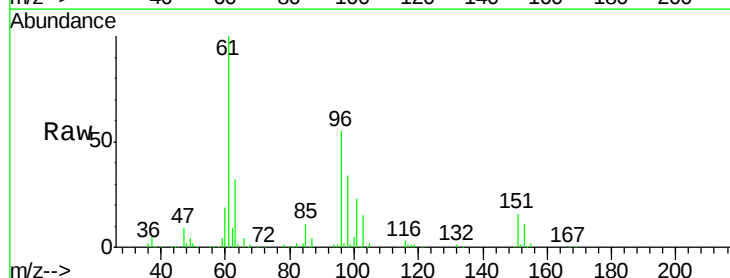
MMDadoda
 10/2/2019 9:22:26 AM

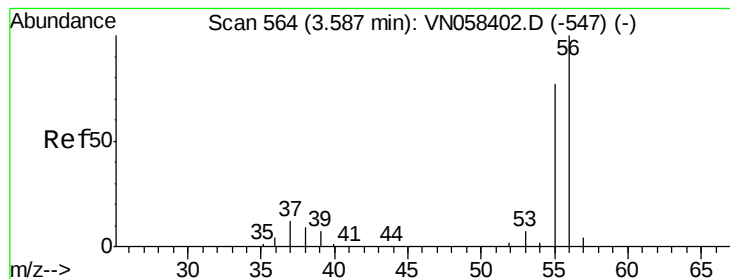


#12

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	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

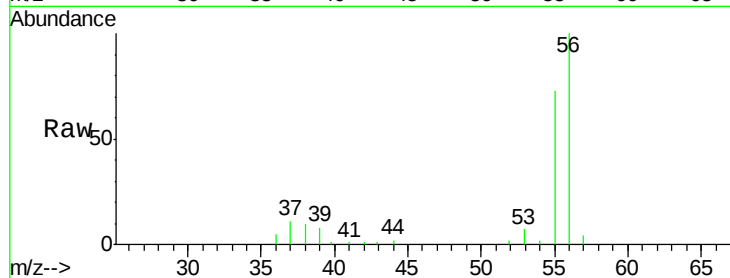
Ion Ratio Lower Upper

56 100

55 72.5 58.3 87.5

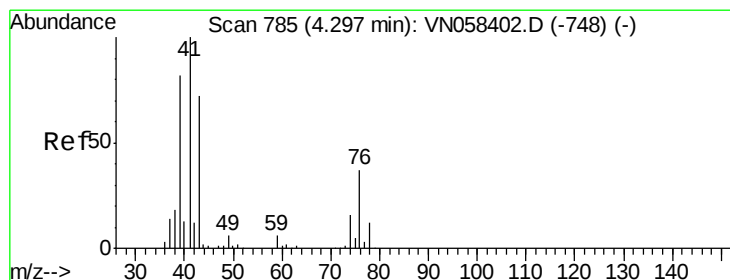
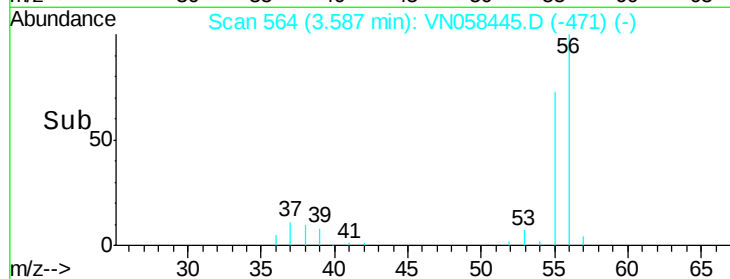
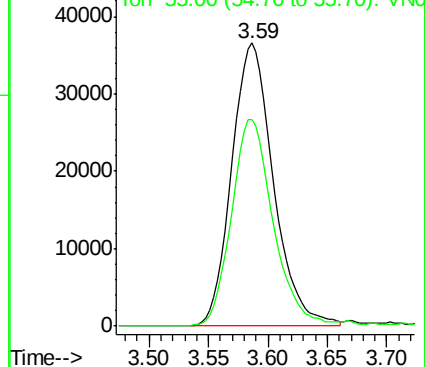
Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



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

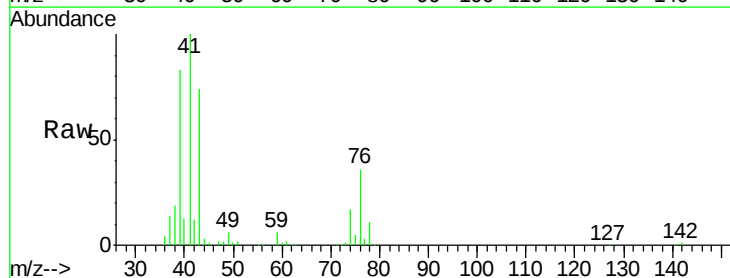
Tgt Ion: 41 Resp: 349156

Ion Ratio Lower Upper

41 100

39 77.9 62.3 93.5

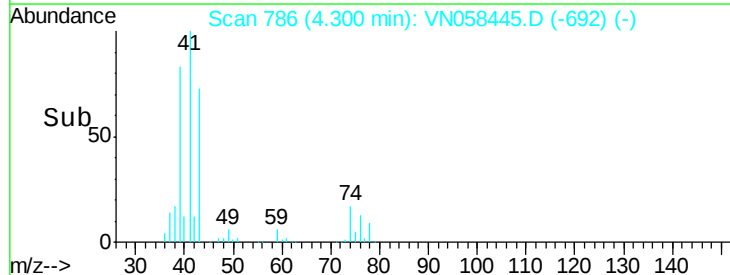
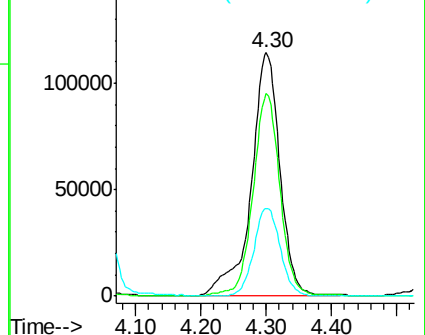
76 32.9 26.9 40.3

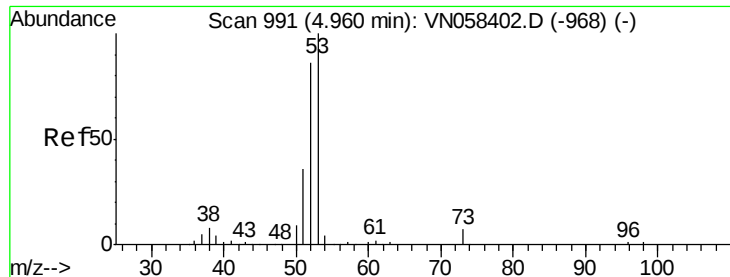


Abundance Ion 41.00 (40.70 to 41.70): VN0

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

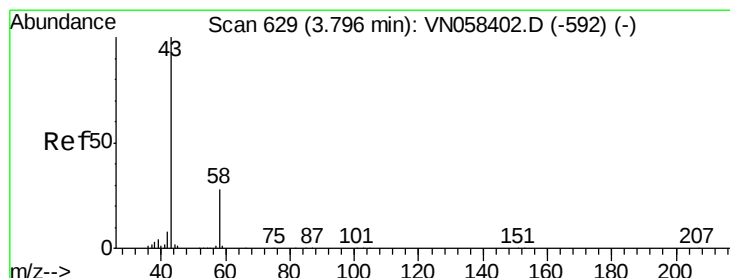
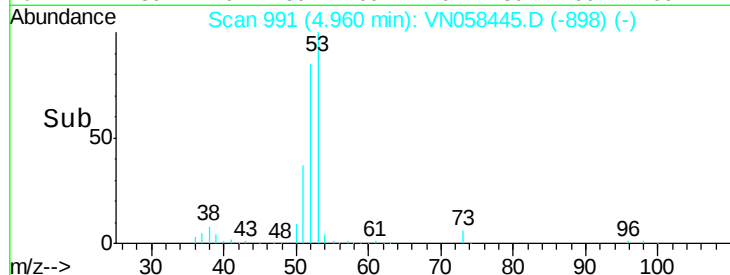
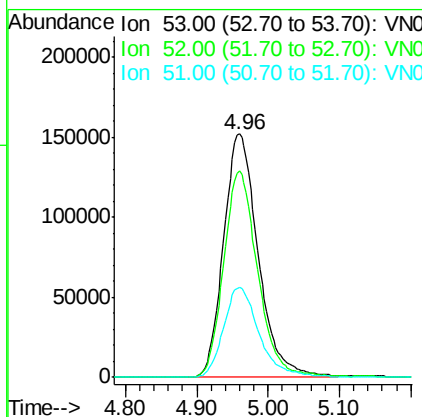
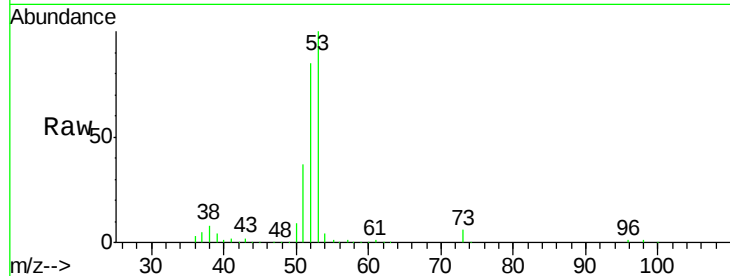
ClientSampleId :

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

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



#16

Acetone

Concen: 218.856 ug/l

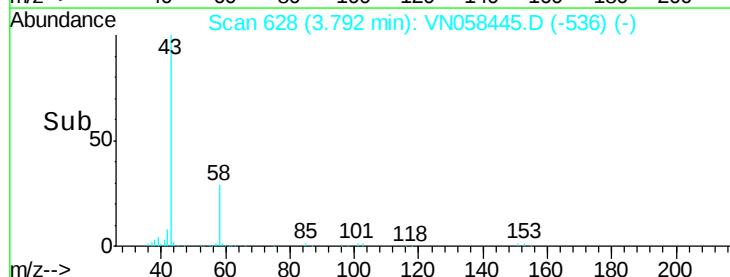
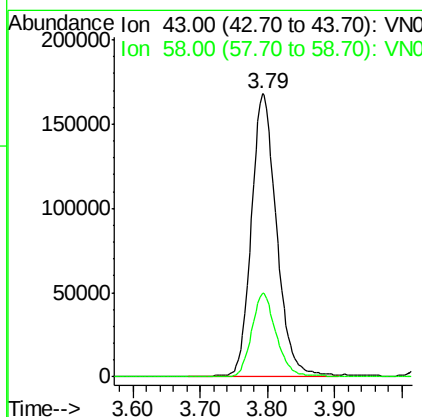
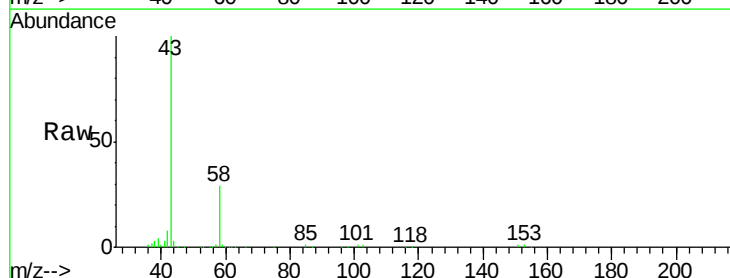
RT: 3.79 min Scan# 628

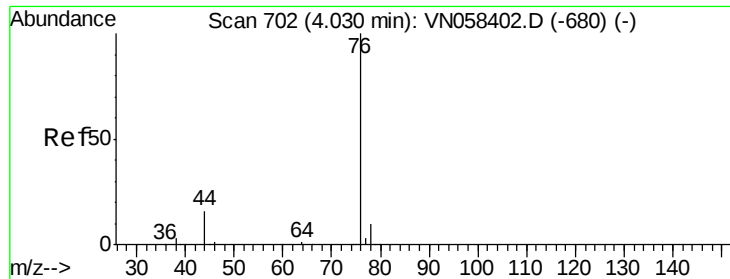
Delta R.T. -0.00 min

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





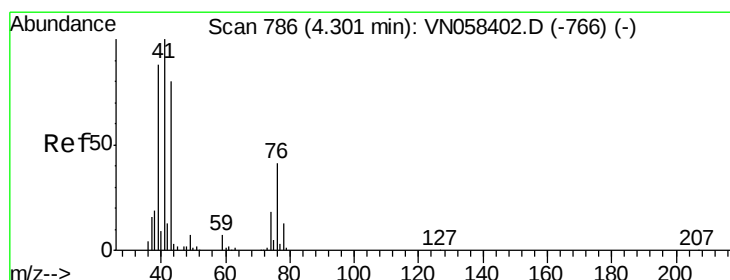
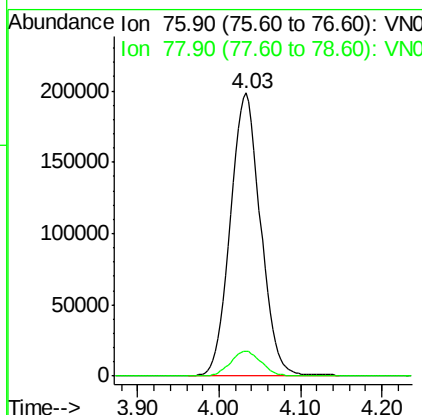
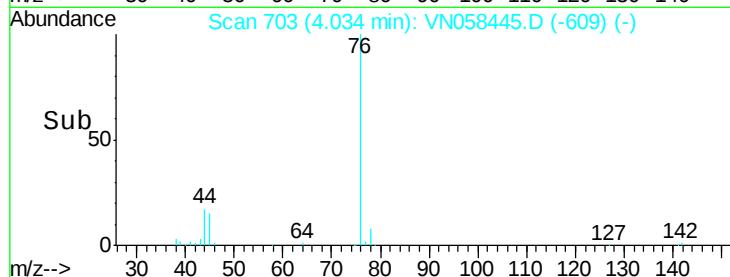
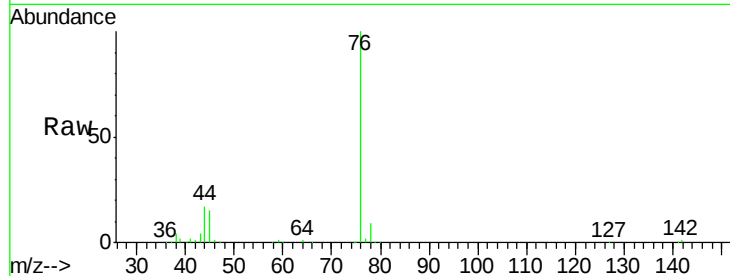
#17
Carbon Disulfide
Concen: 51.357 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

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

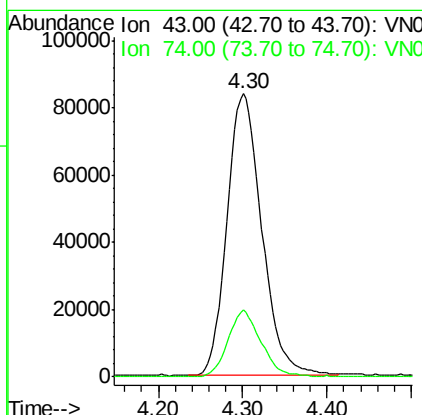
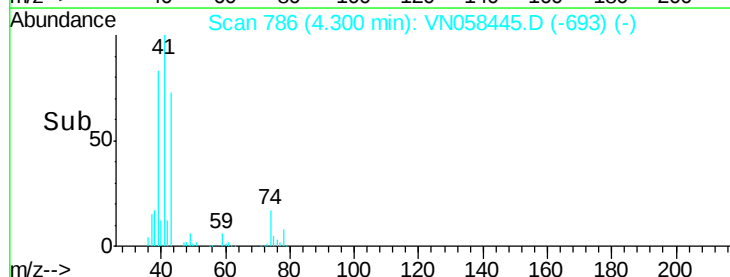
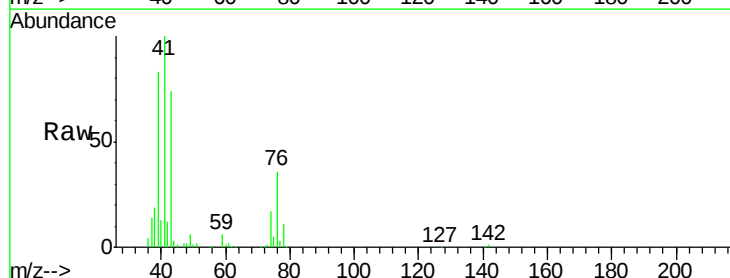
Manual Integrations
APPROVED

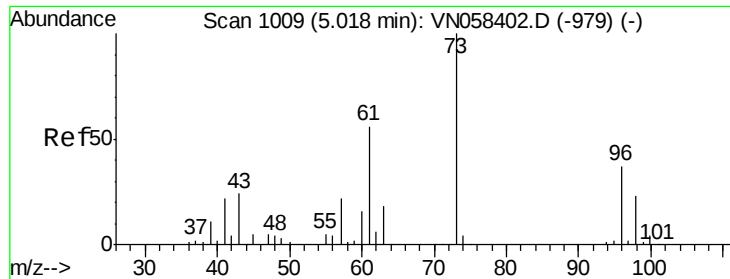
MMDadoda
10/2/2019 9:22:26 AM



#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





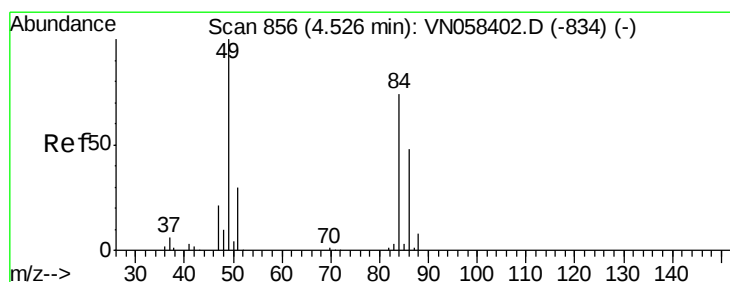
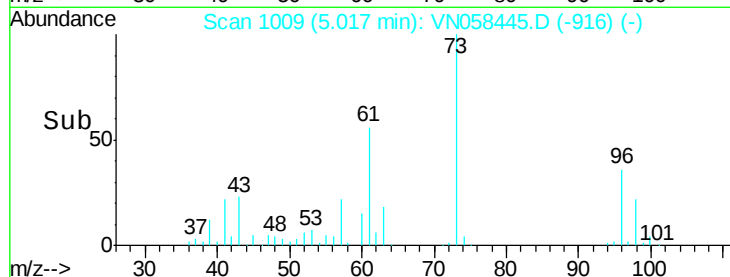
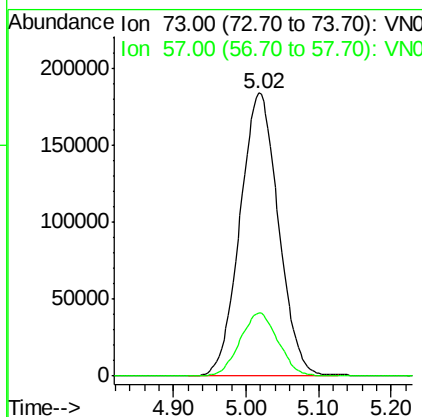
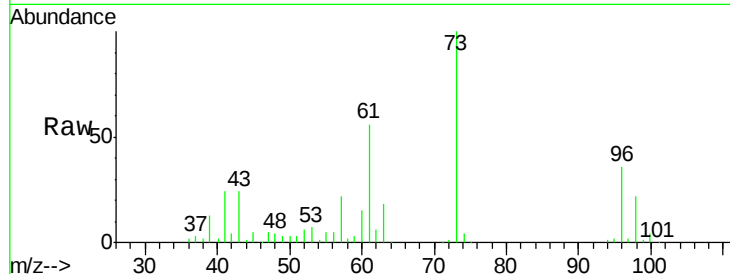
#19
Methvl tert-butvl Ether
Concen: 50.575 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

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

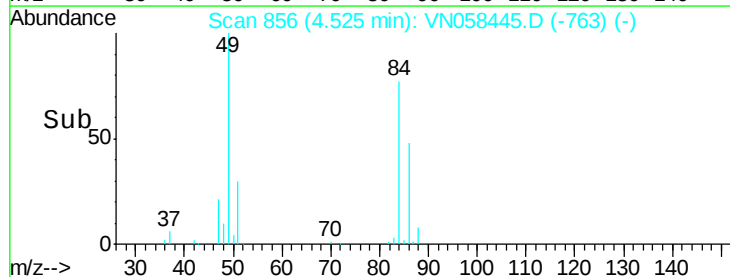
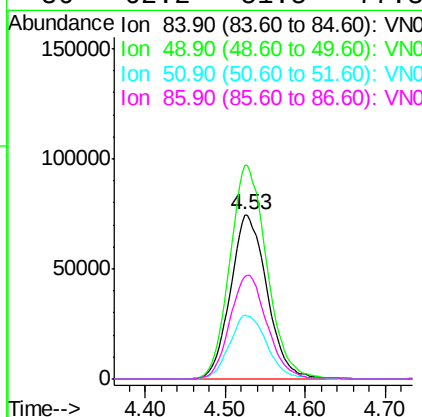
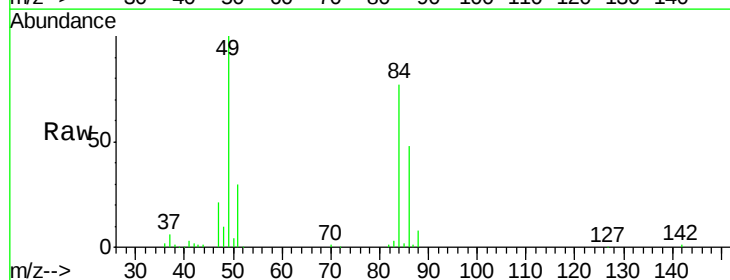
Manual Integrations
APPROVED

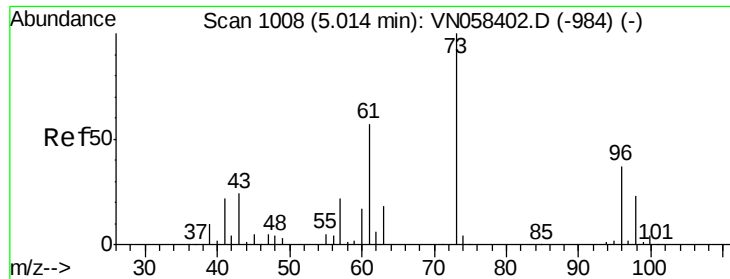
MMDadoda
10/2/2019 9:22:26 AM



#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

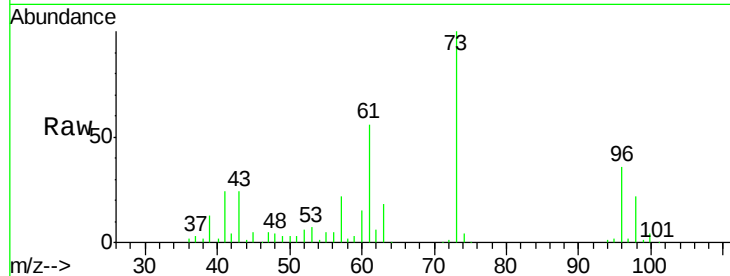
ClientSampleId :

SA-MW184S-20190924MS

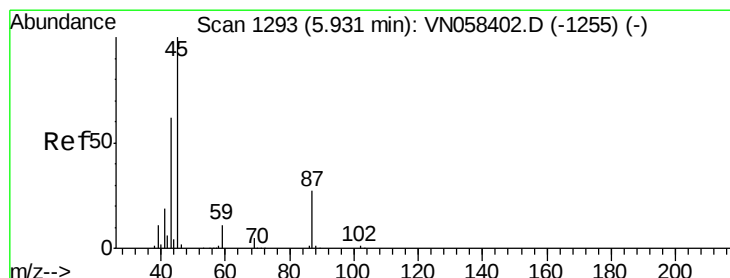
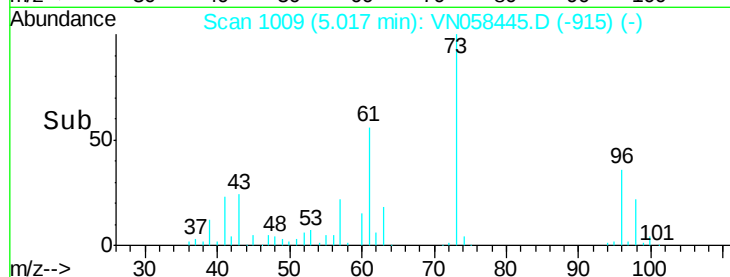
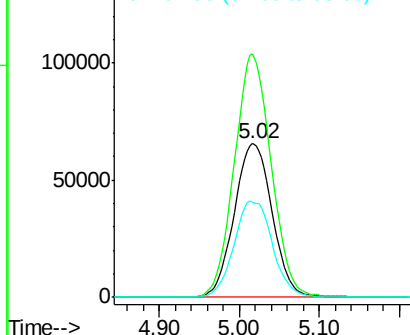
Tot Ion:	96	Resp:	210652
Ion	Ratio	Lower	Upper
96	100		
61	158.7	121.9	182.9
98	62.1	49.3	73.9

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



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



#22

Diisopropyl ether

Concen: 51.205 ug/l

RT: 5.93 min Scan# 1292

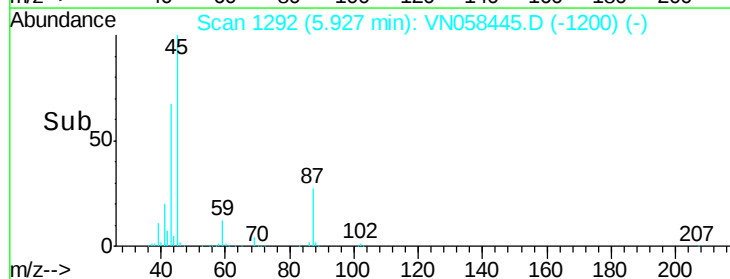
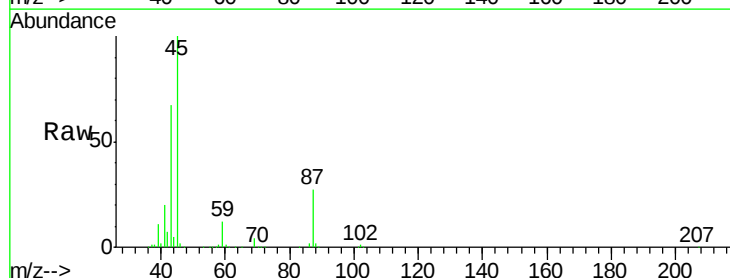
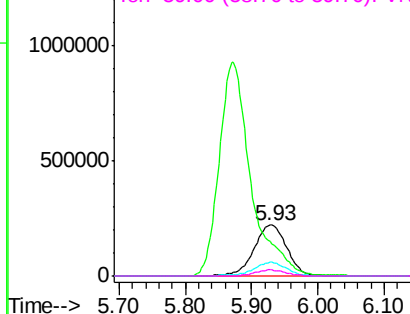
Delta R.T. -0.00 min

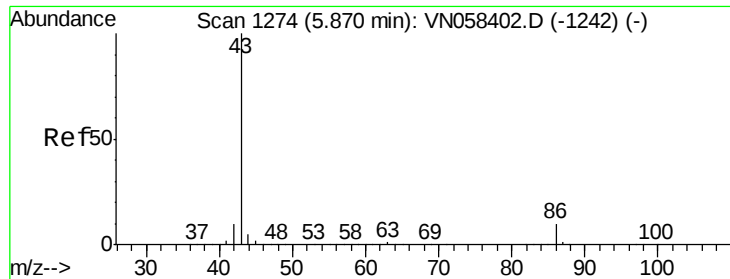
Lab File: VN058445.D

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): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#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

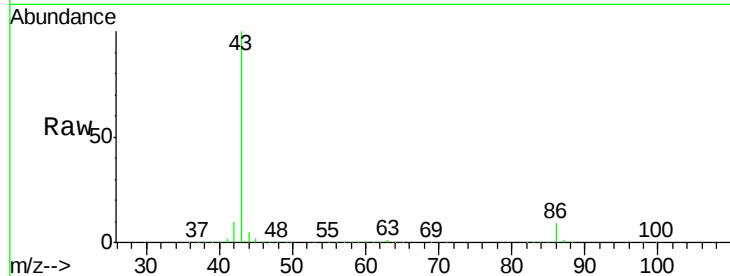
Ion Ratio Lower Upper

43 100

86 9.4 7.7 11.5

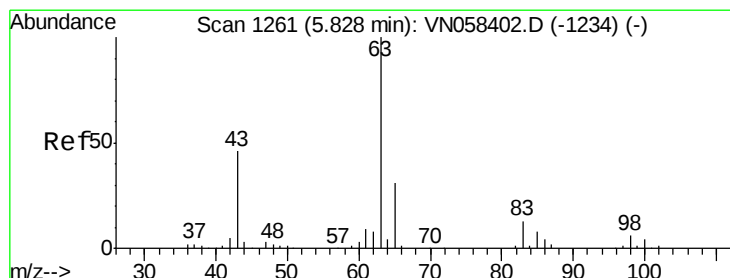
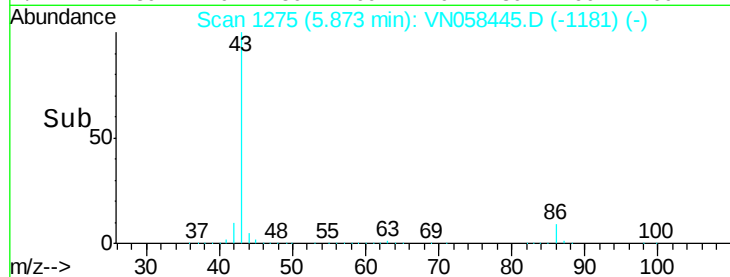
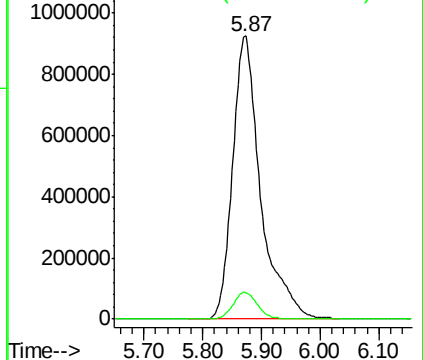
Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#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

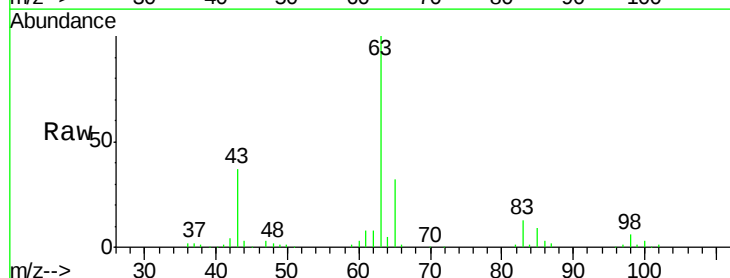
Tgt Ion: 63 Resp: 435631

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

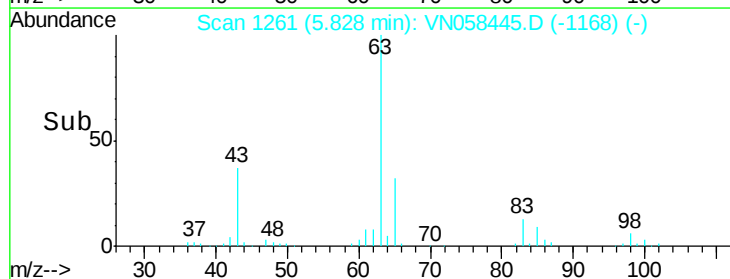
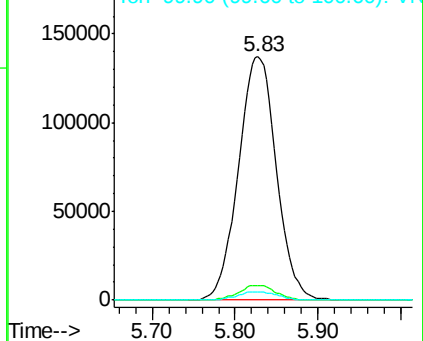
100 3.5 2.0 5.8

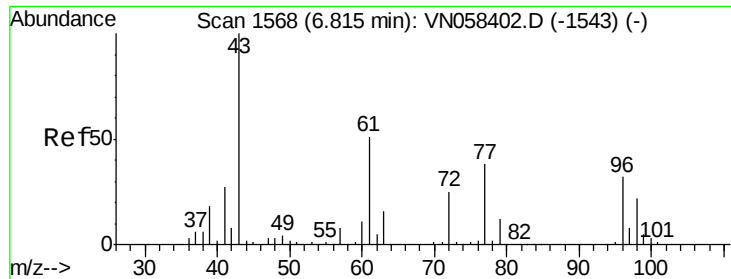


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





#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

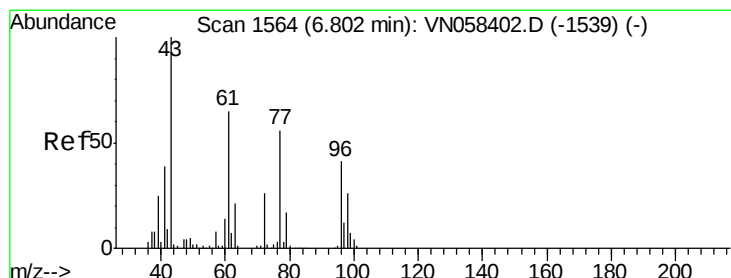
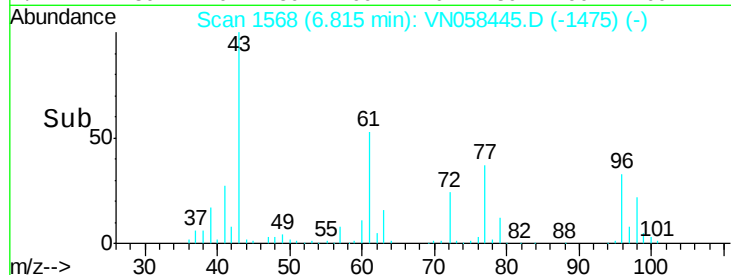
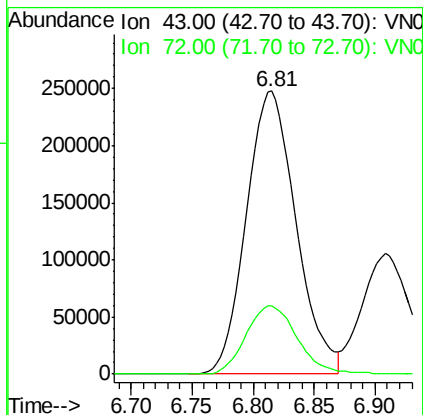
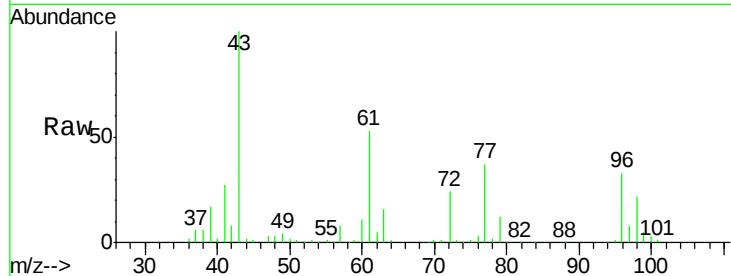
Ion Ratio Lower Upper

43 100

72 24.1 20.2 30.4

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



#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

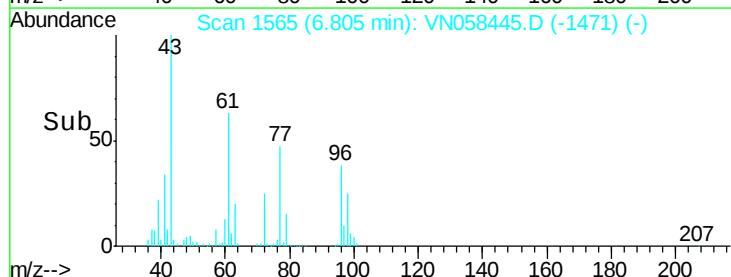
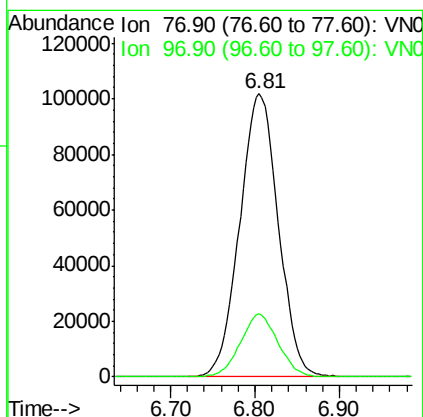
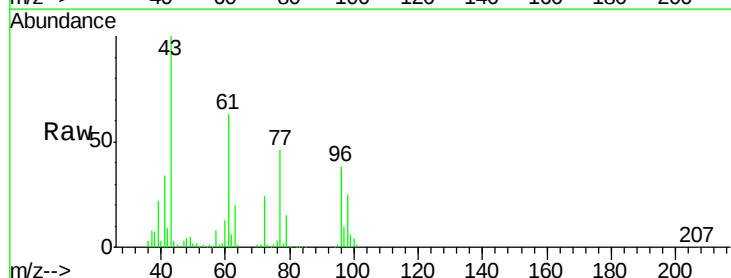
Acq: 30 Sep 2019 18:52

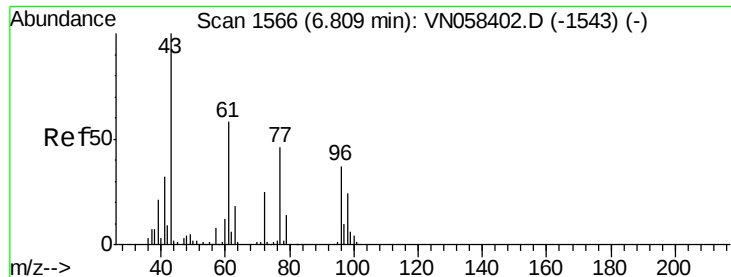
Tgt Ion: 77 Resp: 323905

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

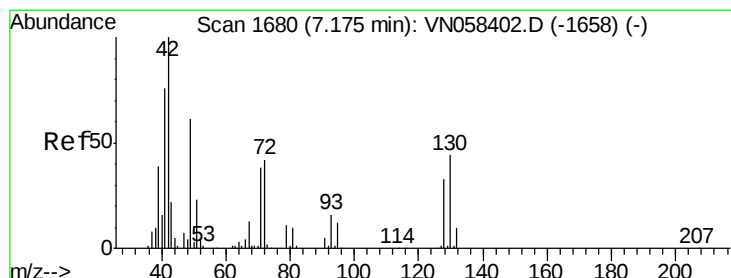
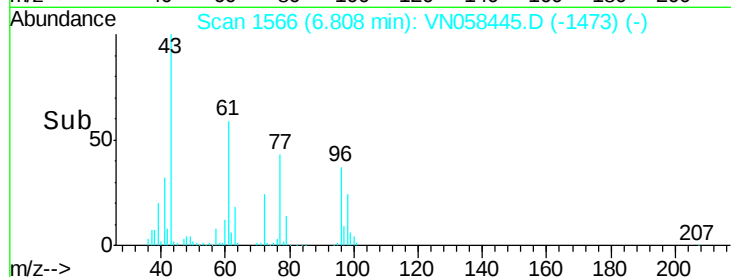
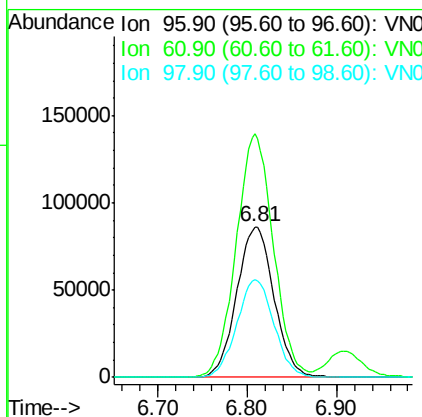
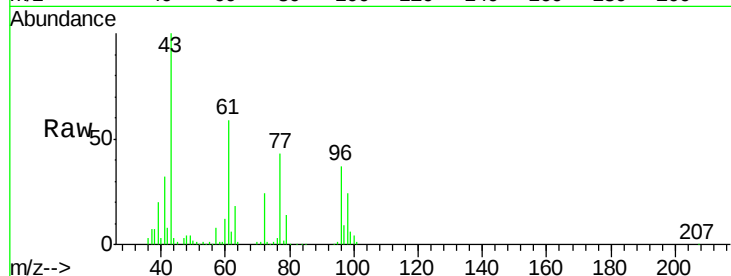
ClientSampleId :

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

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



#28

Bromochloromethane

Concen: 52.569 ug/l

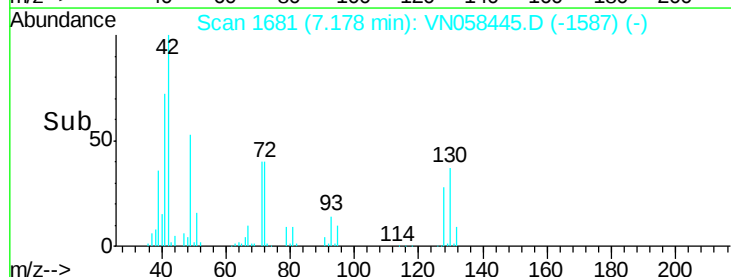
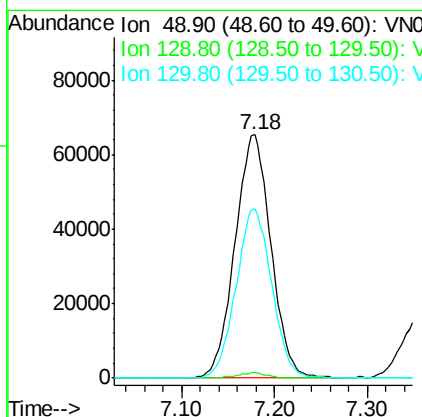
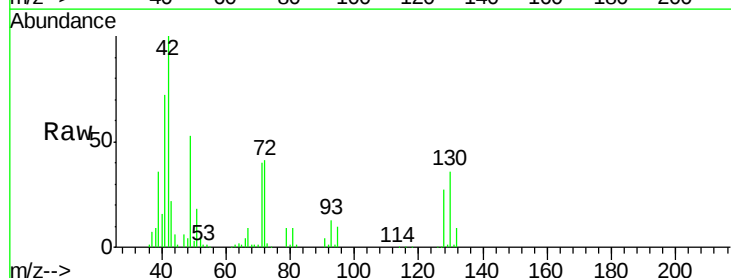
RT: 7.18 min Scan# 1681

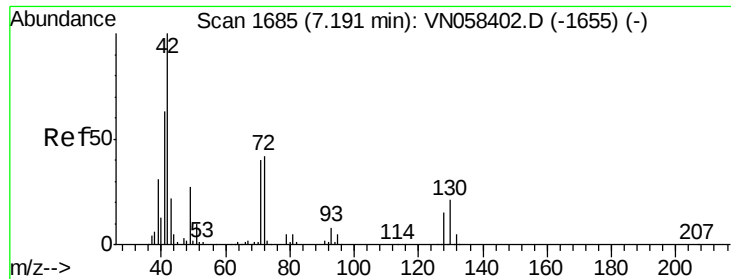
Delta R.T. 0.00 min

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





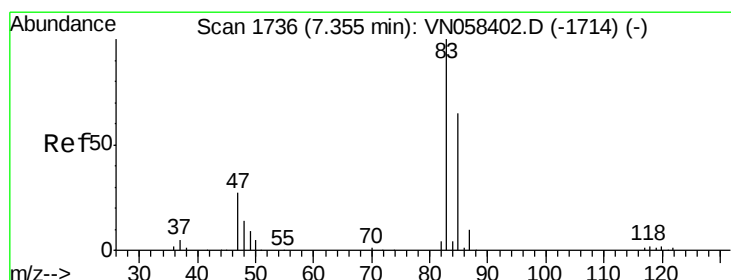
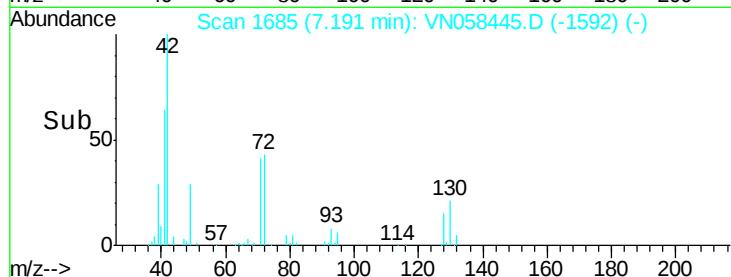
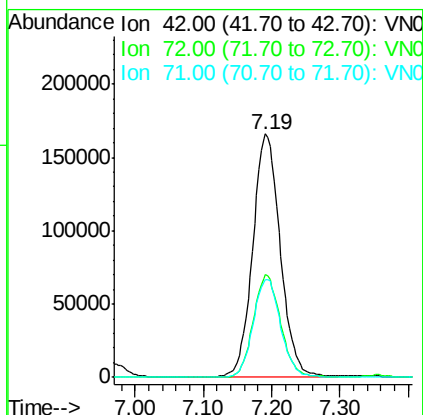
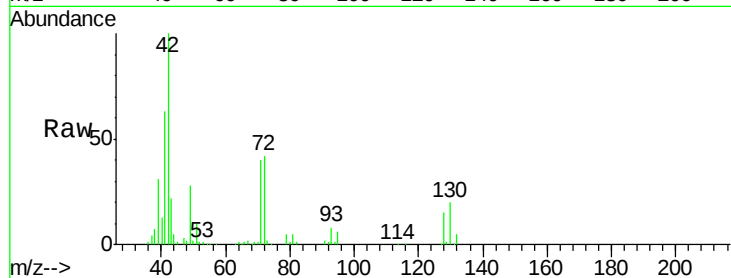
#29
Tetrahydrofuran
Concen: 264.900 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	40.2	31.8	47.6

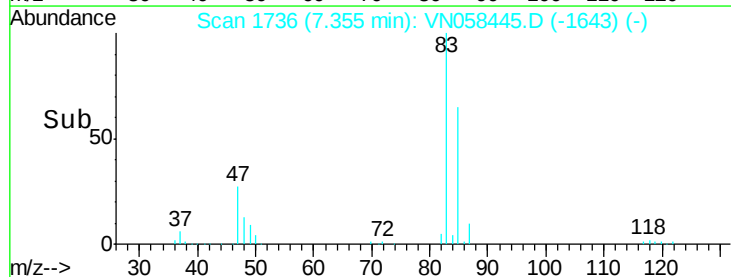
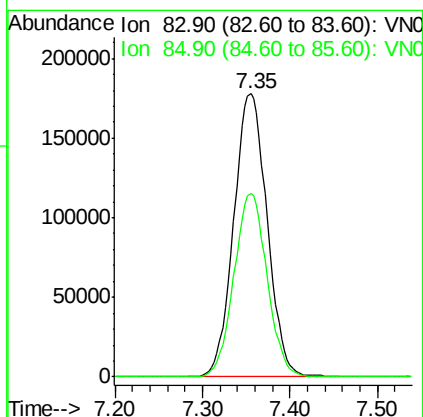
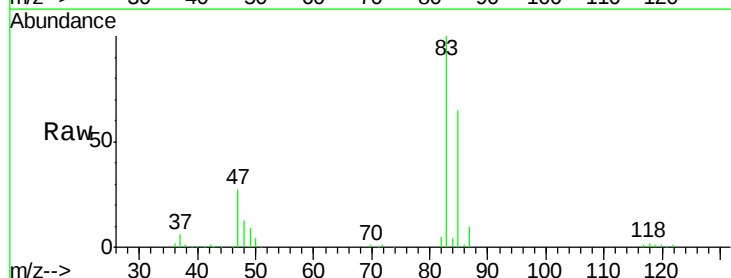
Manual Integrations
APPROVED

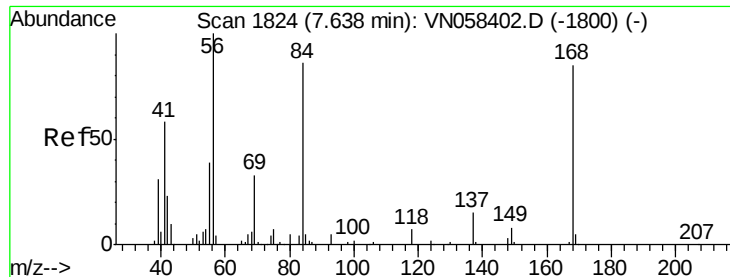
MMDadoda
10/2/2019 9:22:26 AM



#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	Ratio	Lower	Upper
83	100		
85	64.8	52.0	78.0





#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

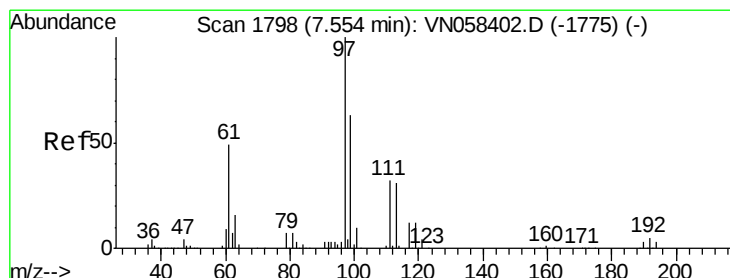
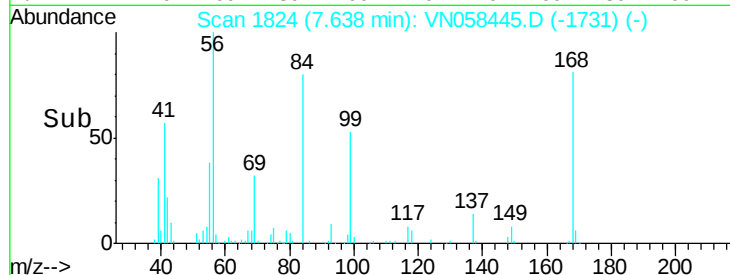
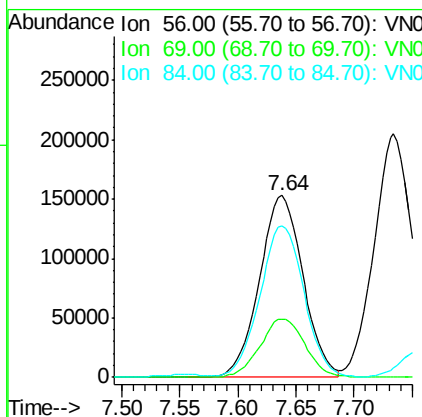
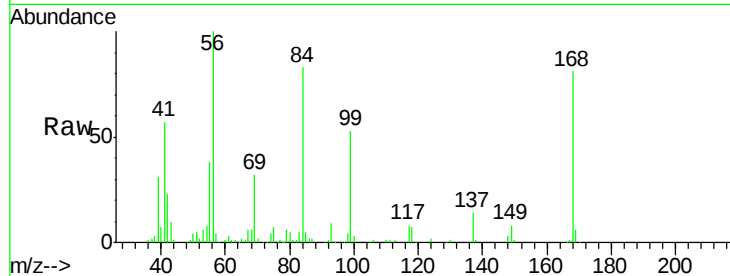
ClientSampleId :

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

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



#32

1,1,1-Trichloroethane

Concen: 53.062 ug/l

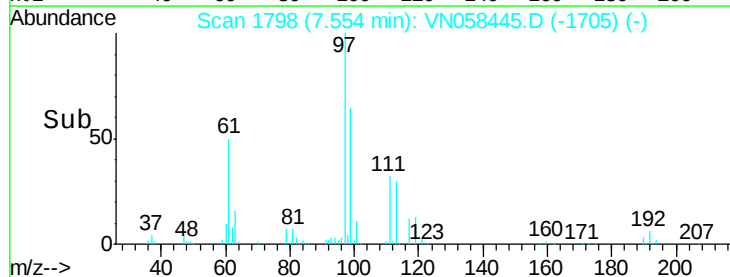
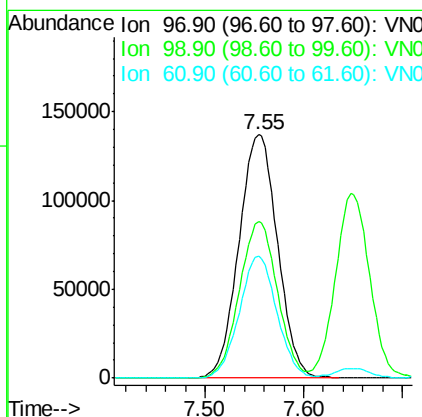
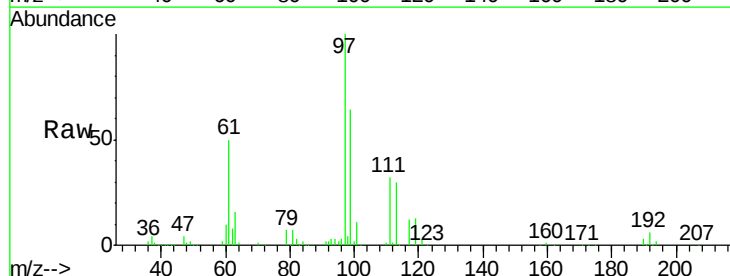
RT: 7.55 min Scan# 1798

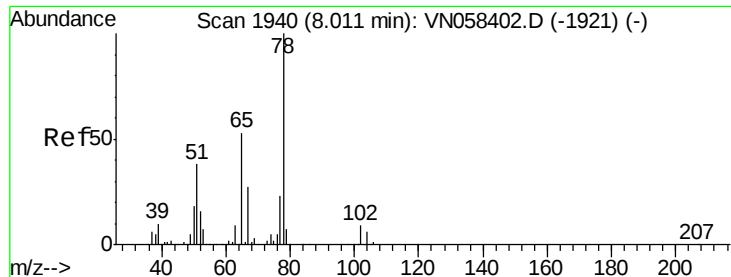
Delta R.T. -0.00 min

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





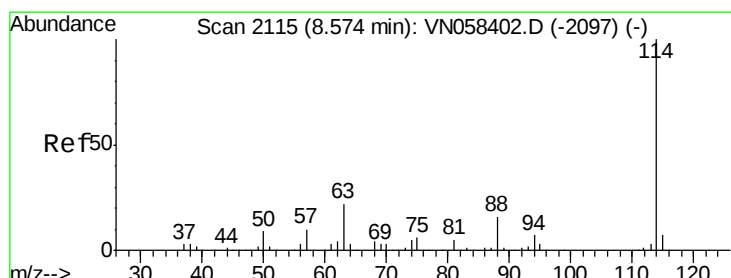
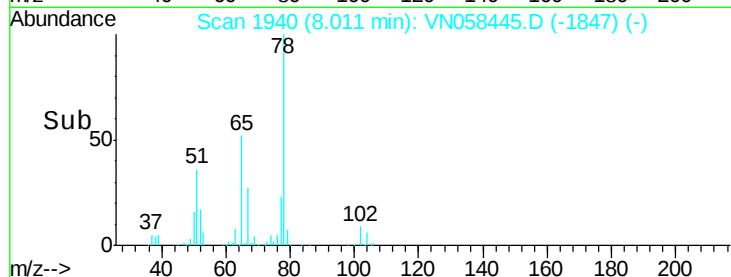
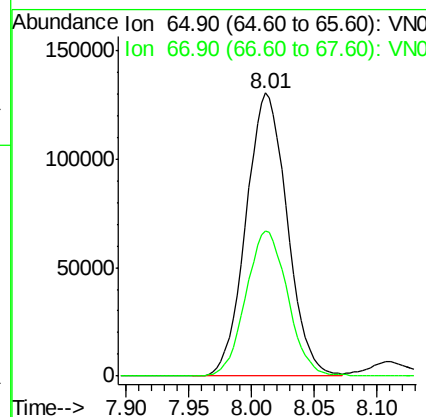
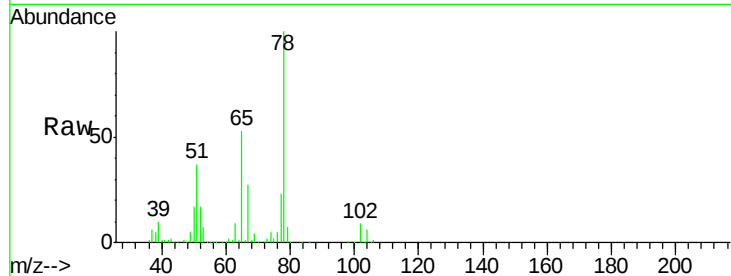
#33
 1,2-Dichloroethane-d4
 Concen: 50.581 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

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

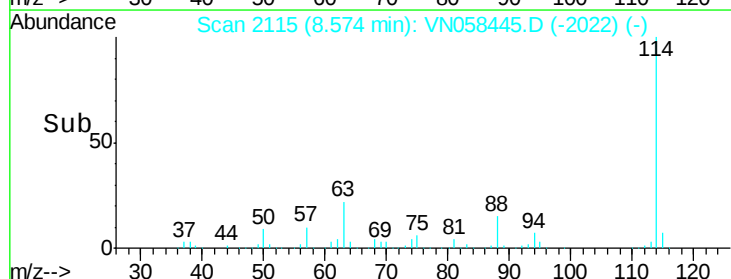
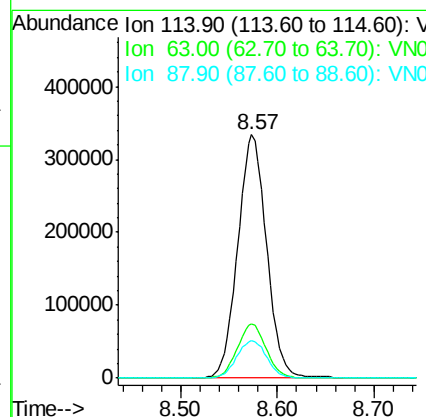
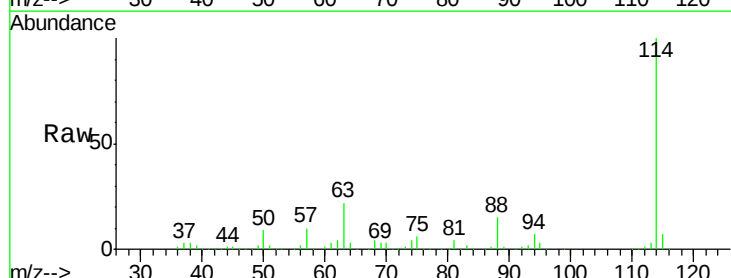
Manual Integrations
 APPROVED

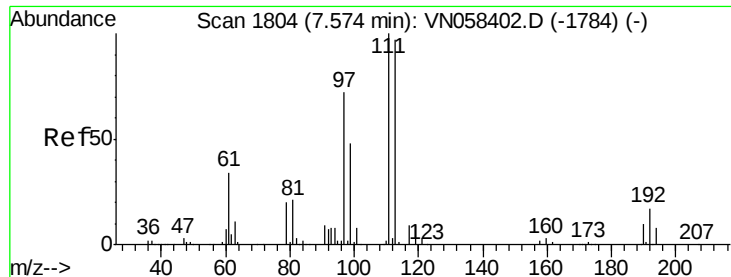
MMDadoda
 10/2/2019 9:22:26 AM



#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	Ratio	Resp	Lower	Upper
114	100	692098		
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

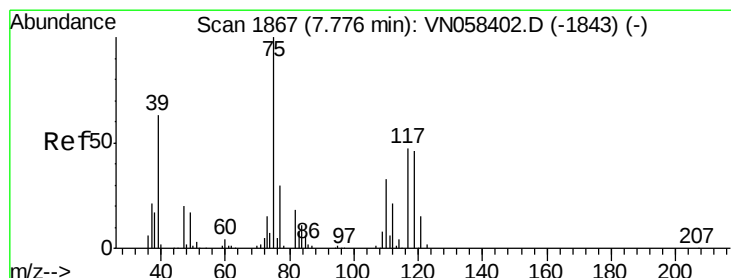
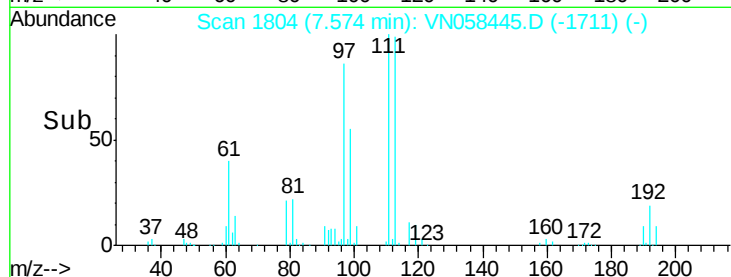
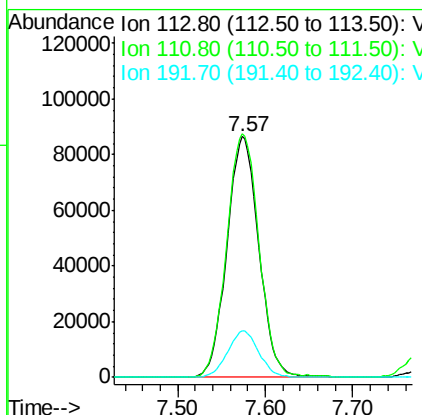
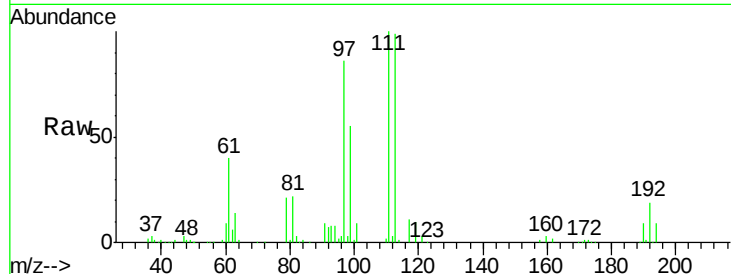
ClientSampleId :

SA-MW184S-20190924MS

Tot Ion:	113	Resp:	218245
Ion Ratio	Lower	Upper	
113	100		
111	102.6	83.4	125.2
192	18.9	14.9	22.3

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



#36

1,1-Dichloropropene

Concen: 50.164 ug/l

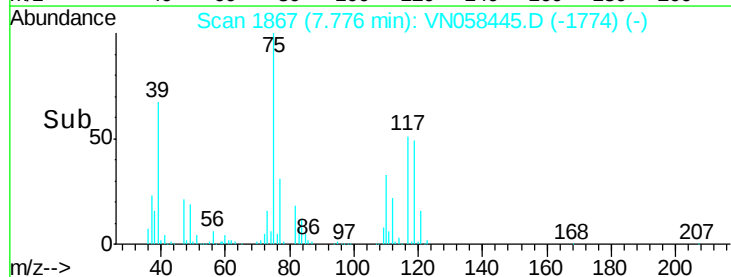
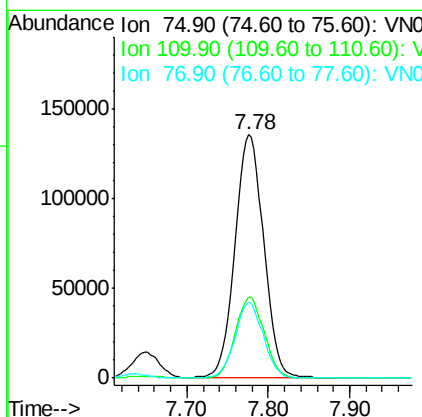
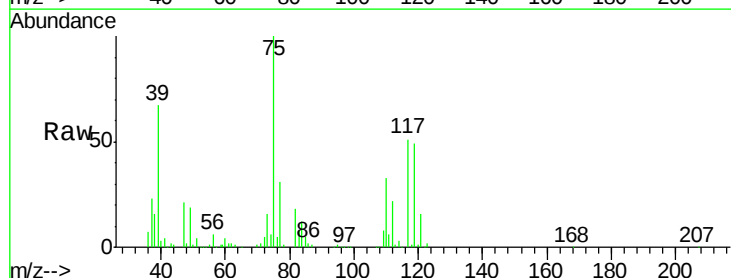
RT: 7.78 min Scan# 1867

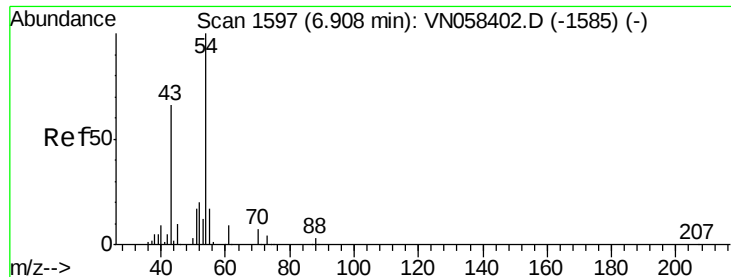
Delta R.T. -0.00 min

Lab File: VN058445.D

Acq: 30 Sep 2019 18:52

Tgt Ion:	75	Resp:	331978
Ion Ratio	Lower	Upper	
75	100		
110	33.2	16.4	49.2
77	30.8	24.3	36.5





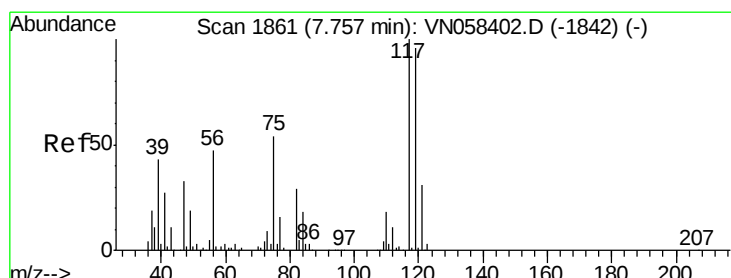
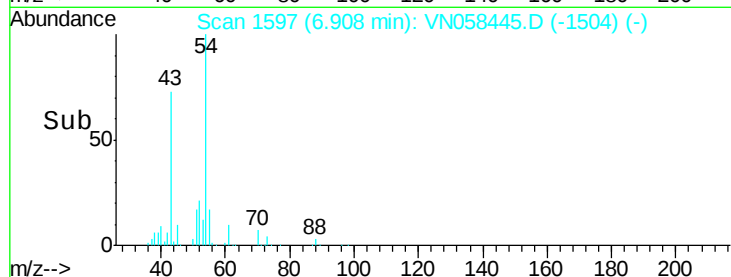
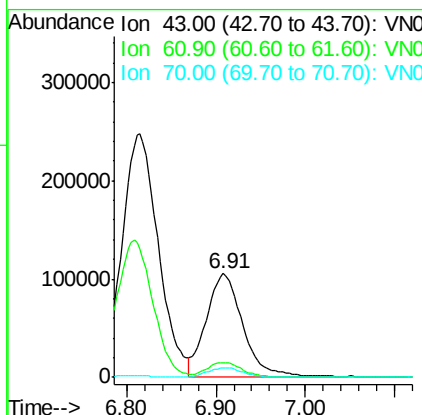
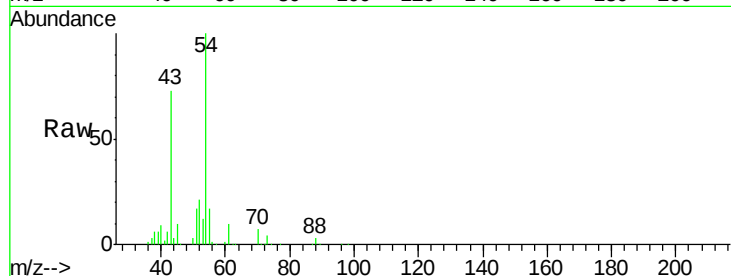
#37
Ethyl Acetate
Concen: 52.730 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

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

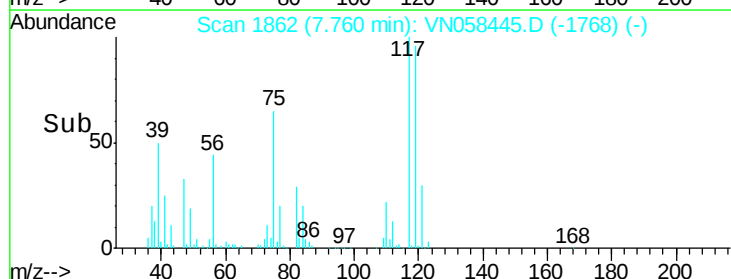
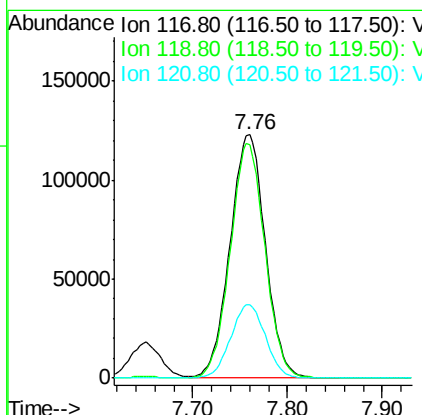
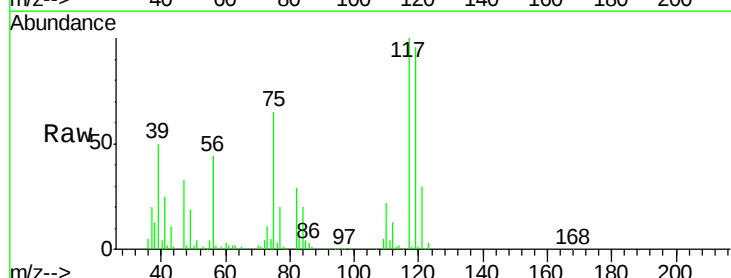
Manual Integrations
APPROVED

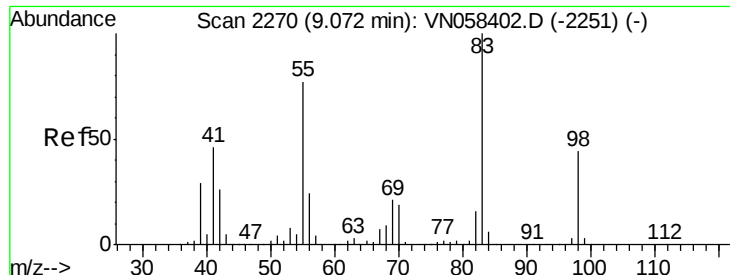
MMDadoda
10/2/2019 9:22:26 AM



#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	Ratio	Resp	Lower	Upper
117	100			
119	95.7	76.6	115.0	
121	30.3	24.7	37.1	





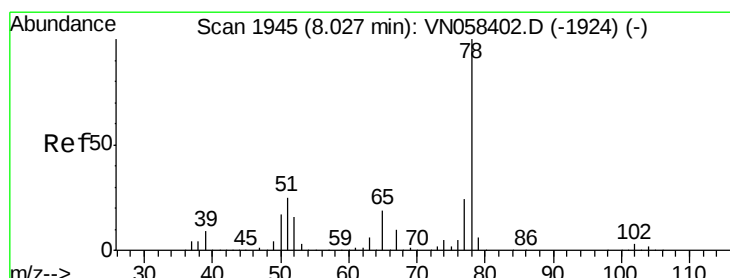
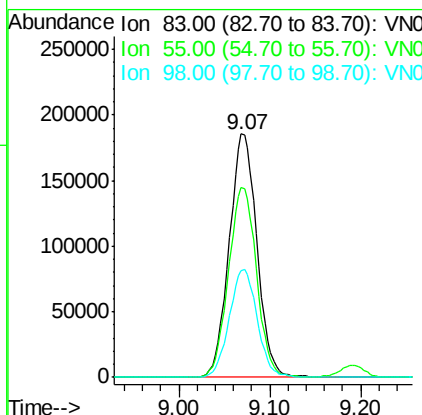
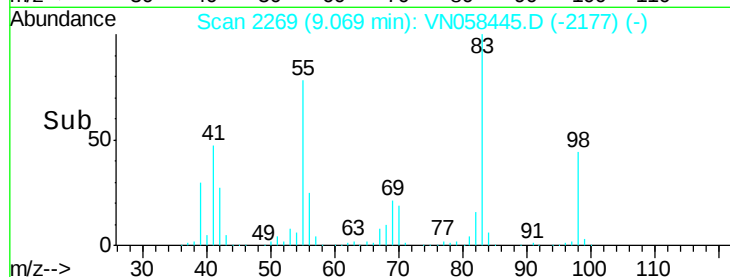
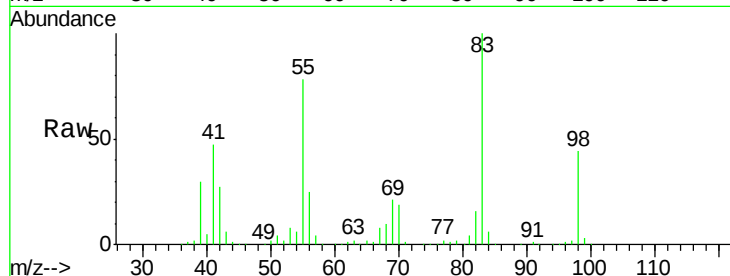
#39
Methvlcvclohexane
Concen: 50.980 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

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

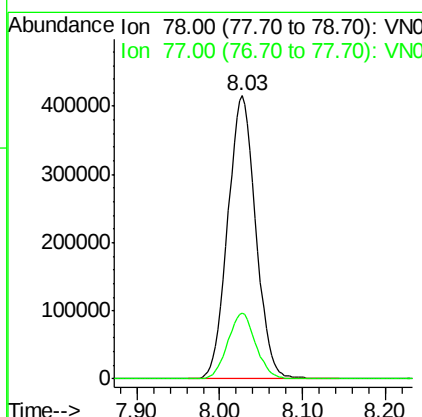
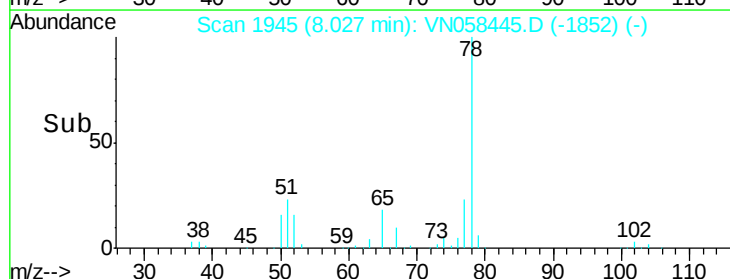
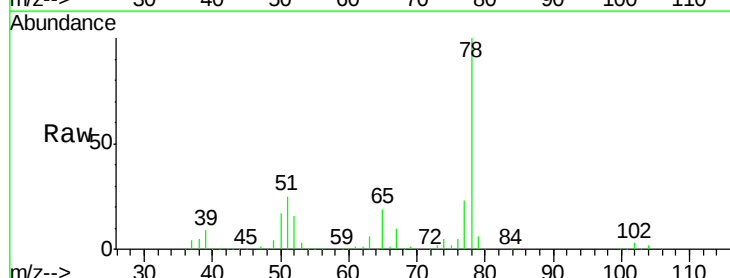
Manual Integrations
APPROVED

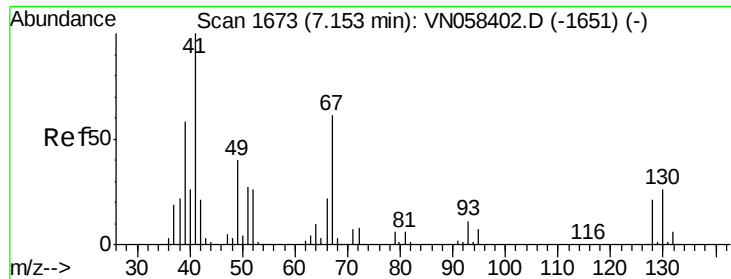
MMDadoda
10/2/2019 9:22:26 AM



#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	Ratio	Resp	Lower	Upper
78	100	977734		
77	23.4		18.9	28.3





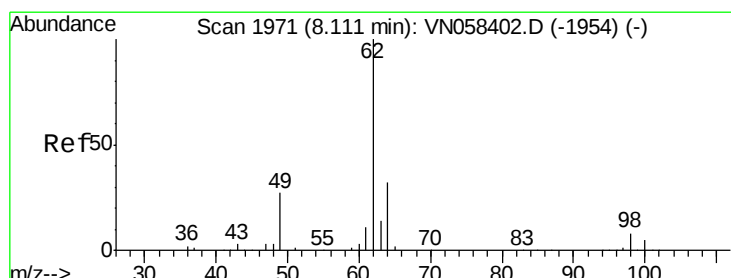
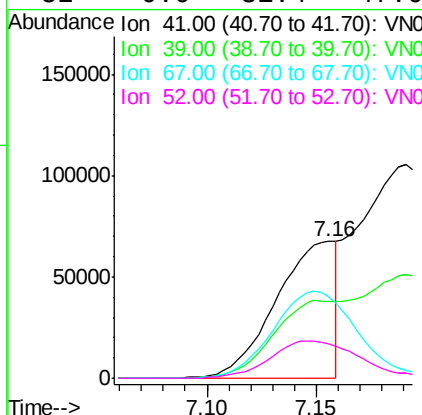
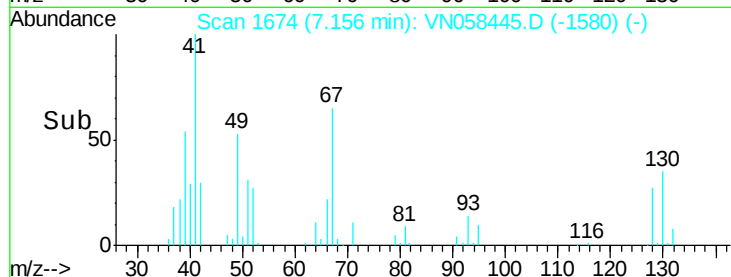
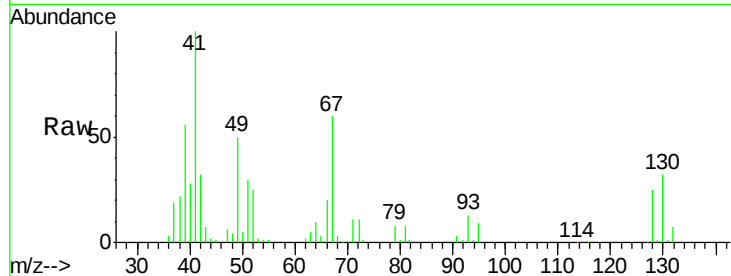
#41
Methacrylonitrile
Concen: 50.000 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.4#
67	0.0	70.2	105.4#
52	0.0	31.4	47.0#

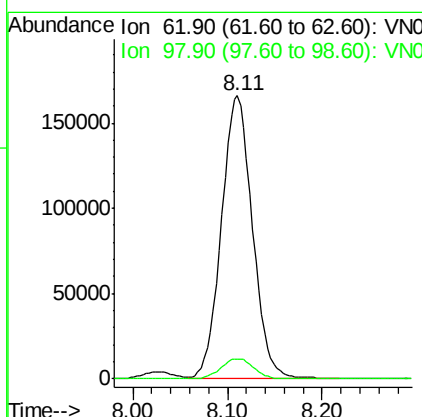
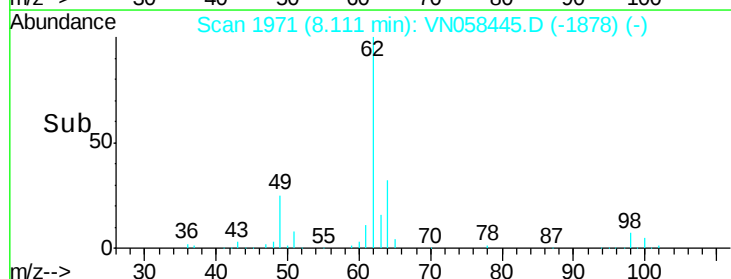
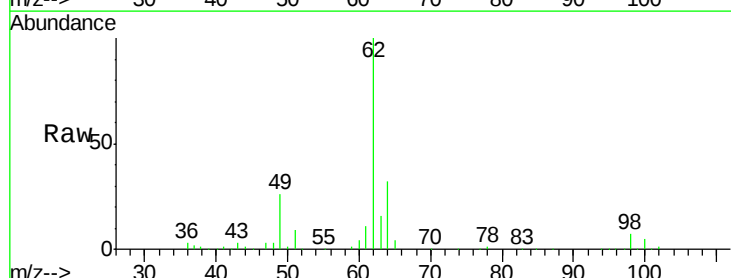
Manual Integrations
APPROVED

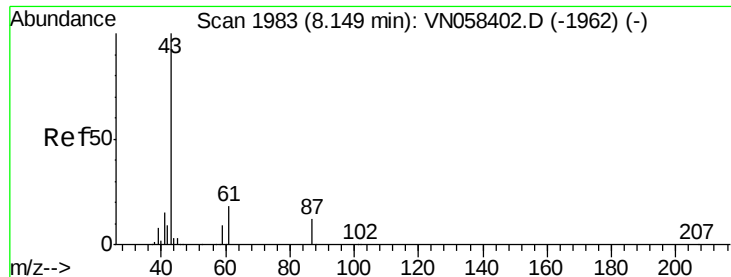
MMDadoda
10/2/2019 9:22:26 AM



#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	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.6





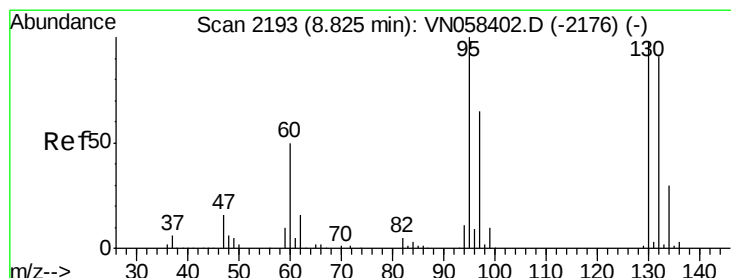
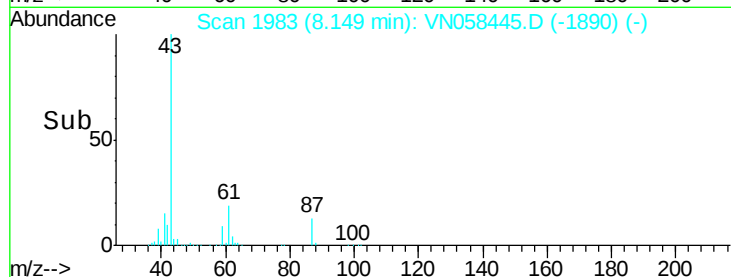
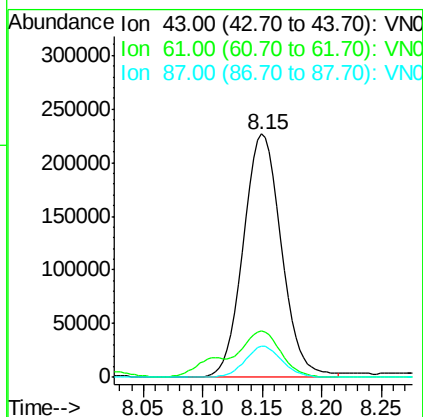
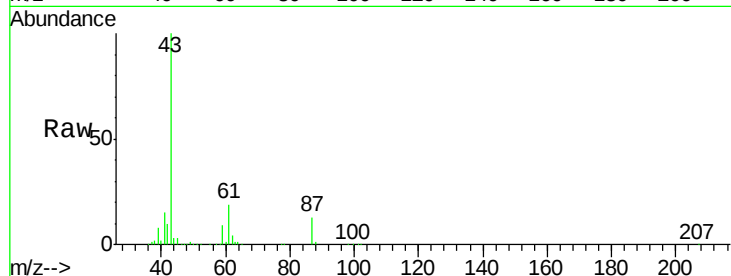
#43
Isopropyl Acetate
Concen: 47.600 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	14.8	22.2
87	12.5	9.7	14.5

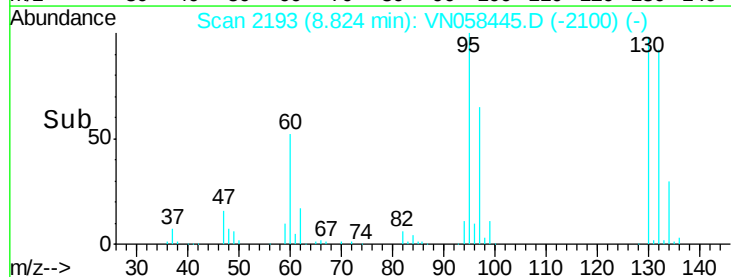
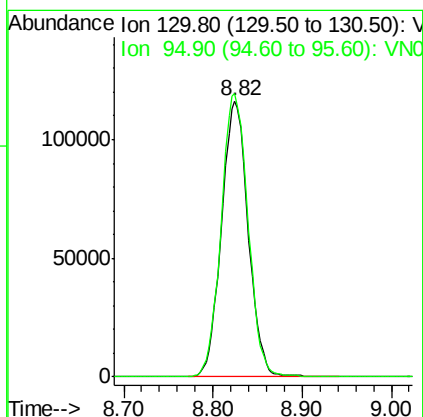
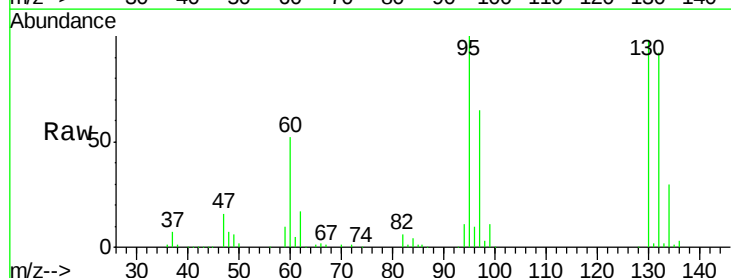
Manual Integrations
APPROVED

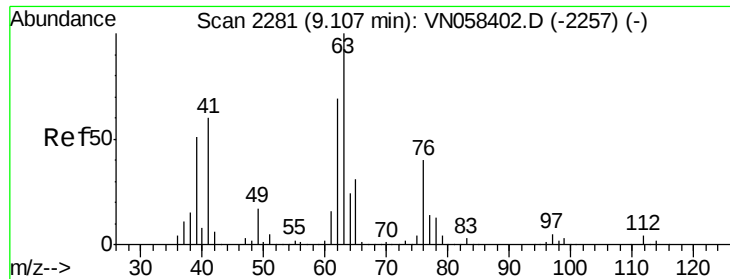
MMDadoda
10/2/2019 9:22:26 AM



#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	Ratio	Lower	Upper
130	100		
95	102.5	0.0	204.2





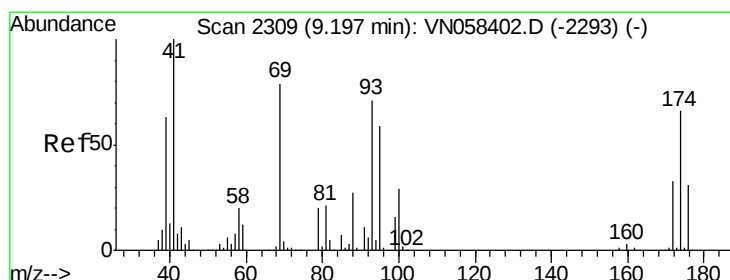
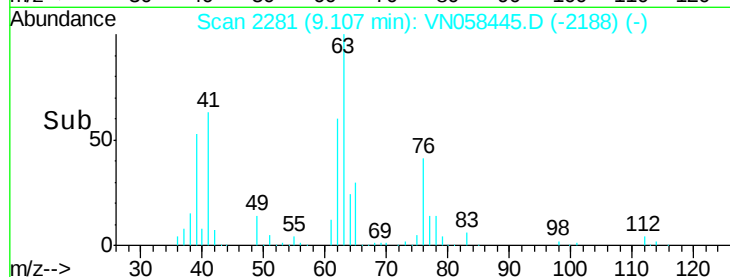
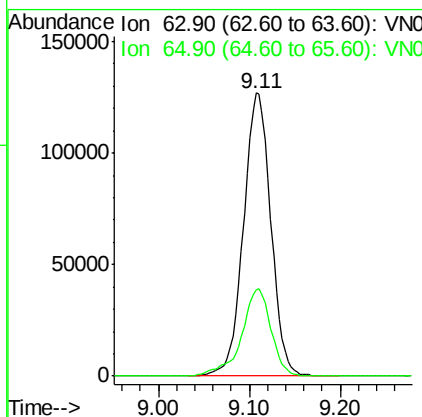
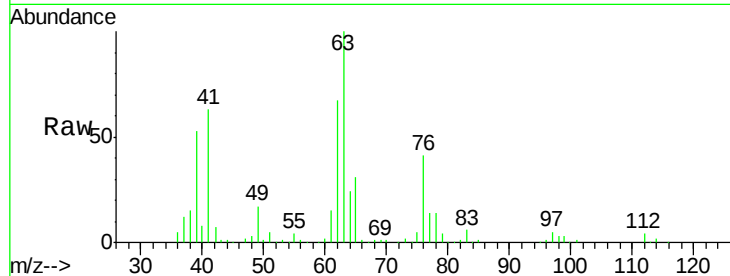
#45
 1,2-Dichloropropane
 Concen: 51.880 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.0	37.4

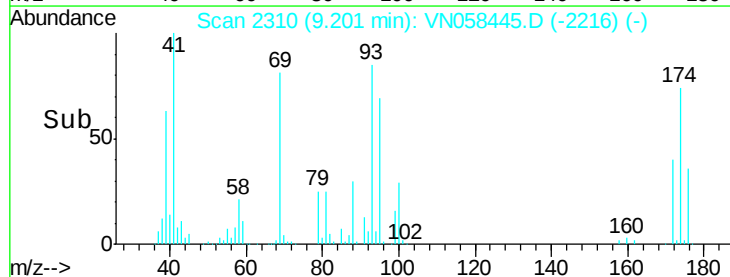
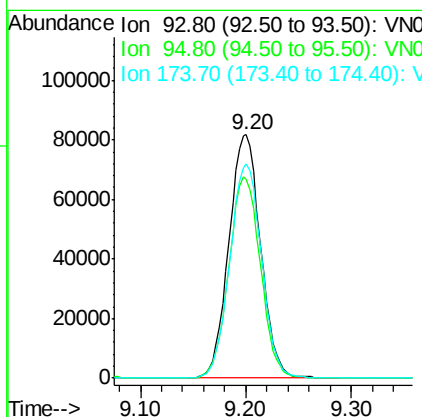
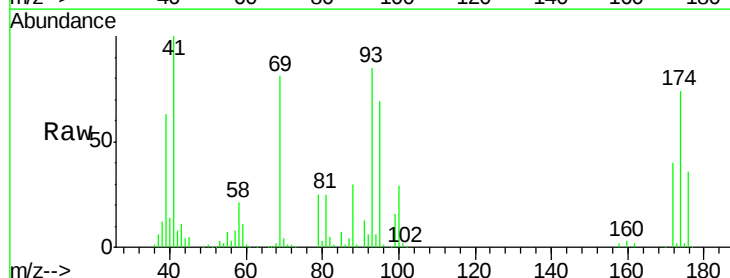
Manual Integrations
 APPROVED

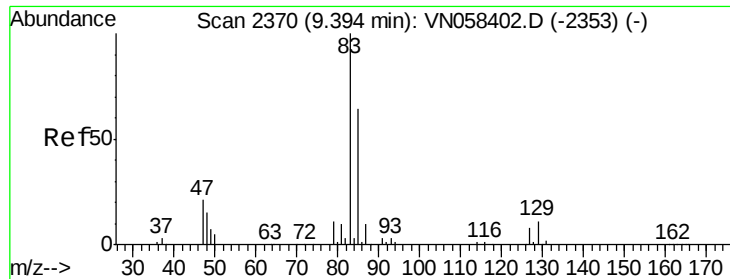
MMDadoda
 10/2/2019 9:22:26 AM



#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	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

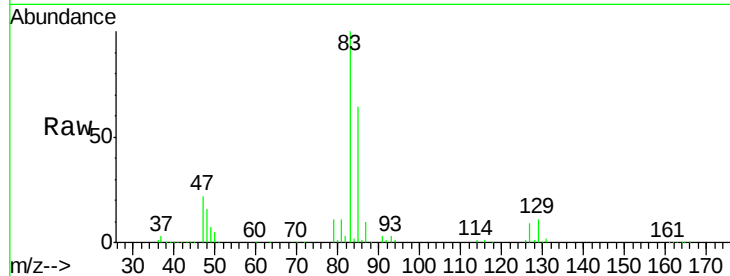
ClientSampleId :

SA-MW184S-20190924MS

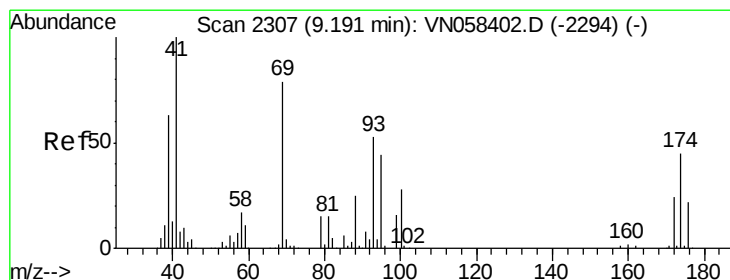
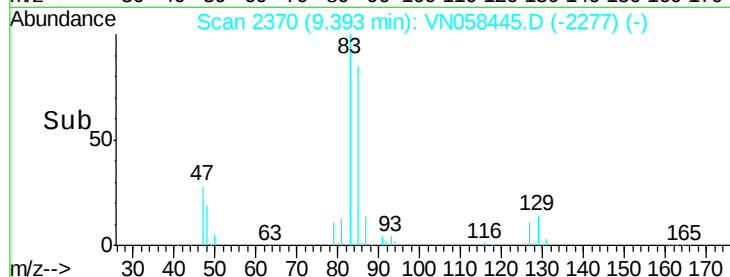
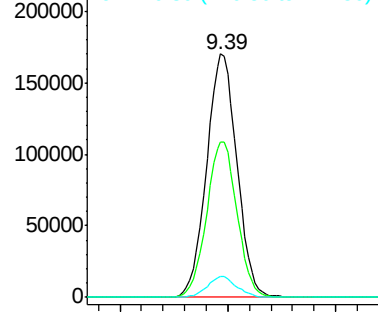
Tot Ion:	83	Resp:	333837
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.2	76.8
127	8.6	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



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



#48

Methyl methacrylate

Concen: 51.819 ug/l

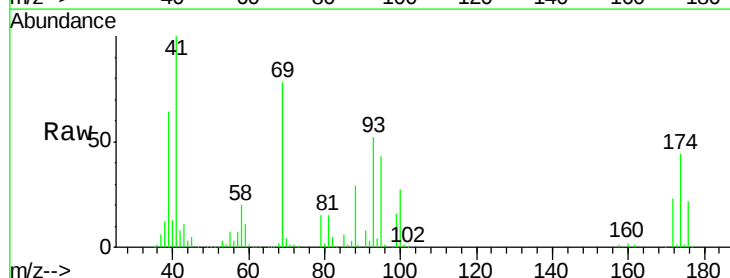
RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

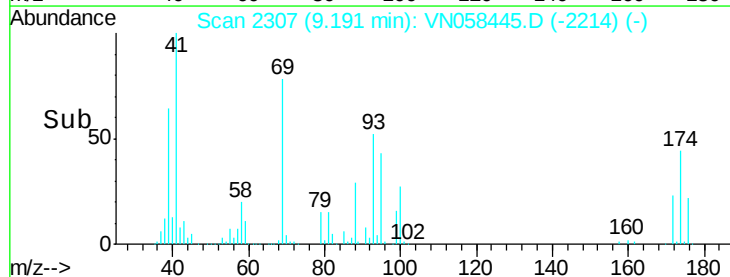
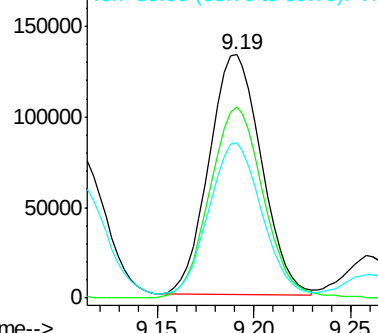
Lab File: VN058445.D

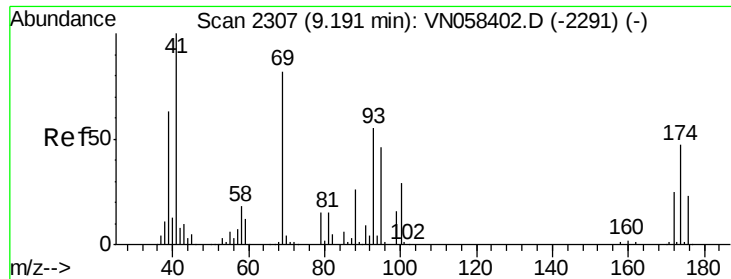
Acq: 30 Sep 2019 18:52

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): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





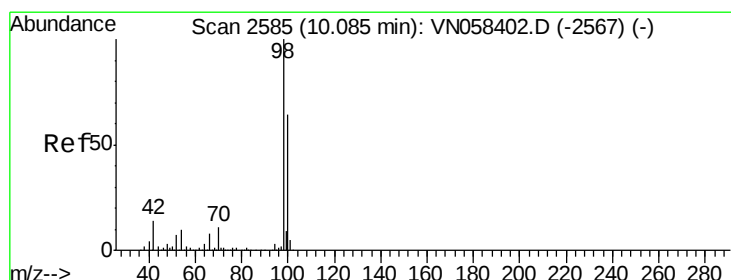
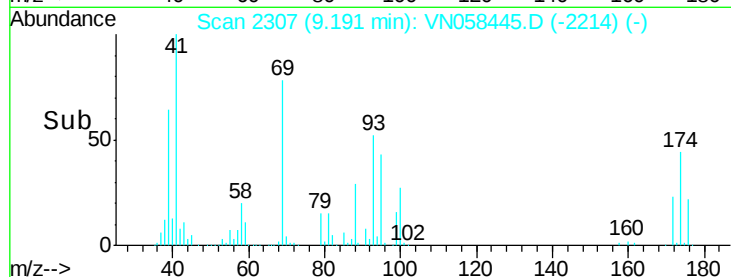
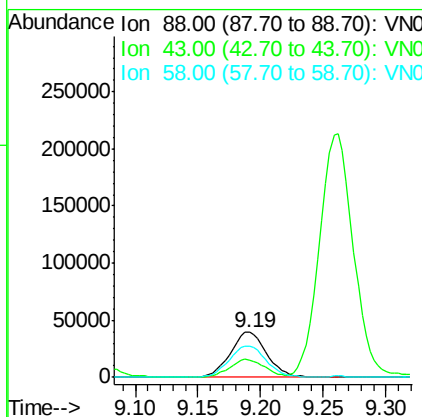
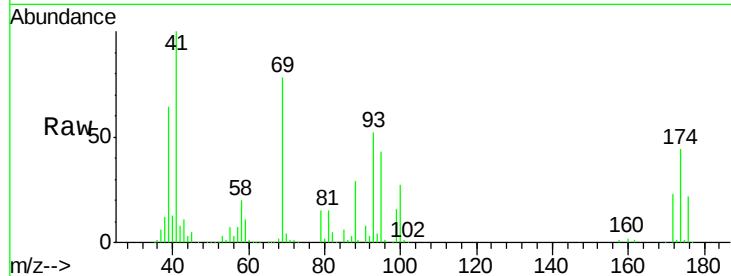
#49
 1,4-Dioxane
 Concen: 1250.345 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

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

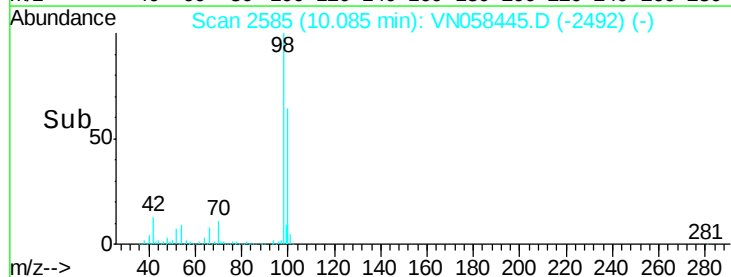
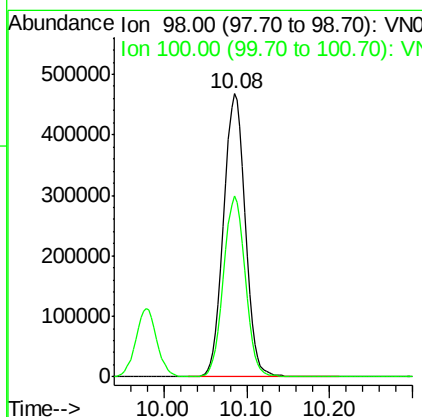
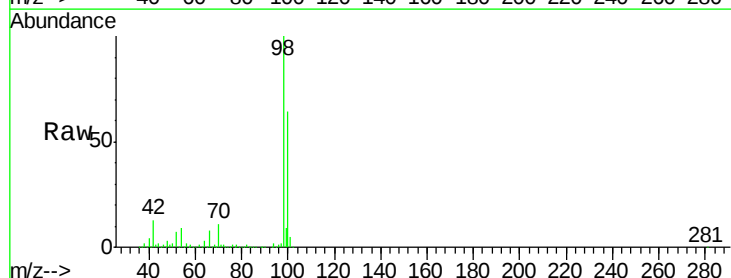
Manual Integrations
 APPROVED

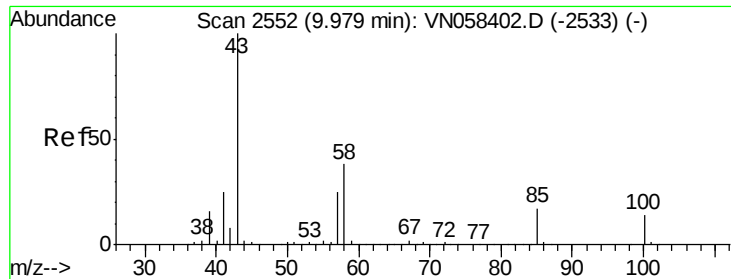
MMDadoda
 10/2/2019 9:22:26 AM



#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

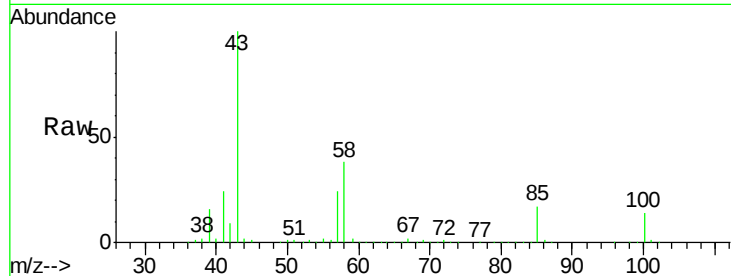
43 100

58 37.5 30.2 45.2

Manual Integrations
APPROVED

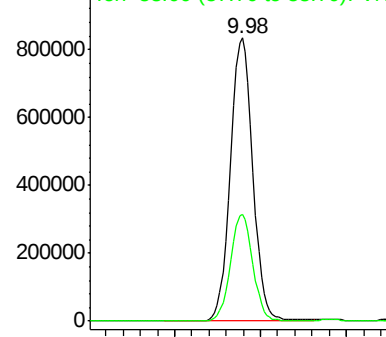
MMDadoda

10/2/2019 9:22:26 AM

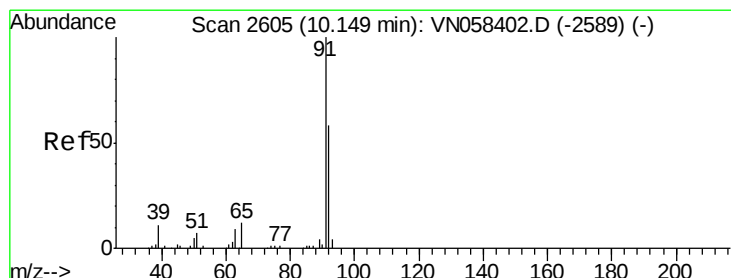
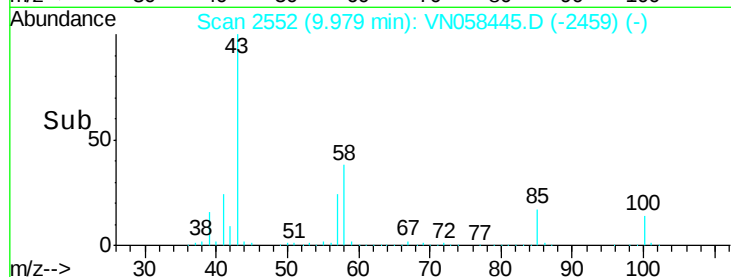


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 50.717 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058445.D

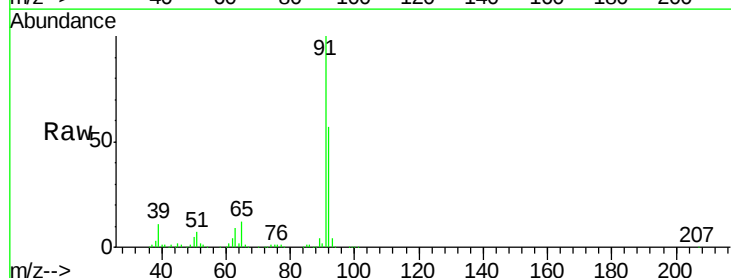
Acq: 30 Sep 2019 18:52

Tgt Ion: 92 Resp: 607256

Ion Ratio Lower Upper

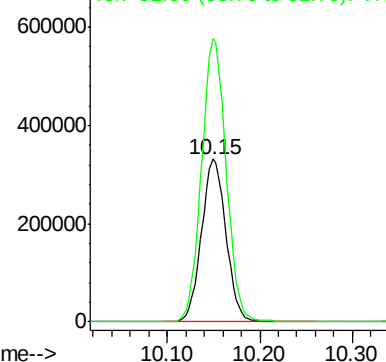
92 100

91 175.2 140.2 210.4

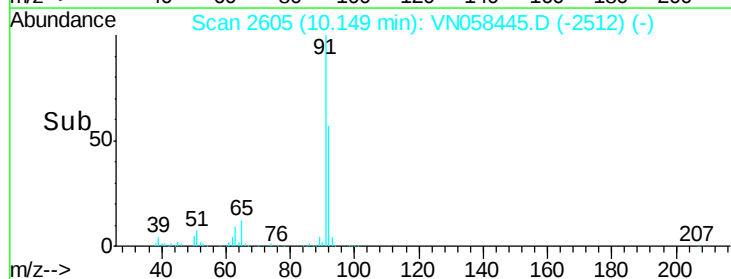


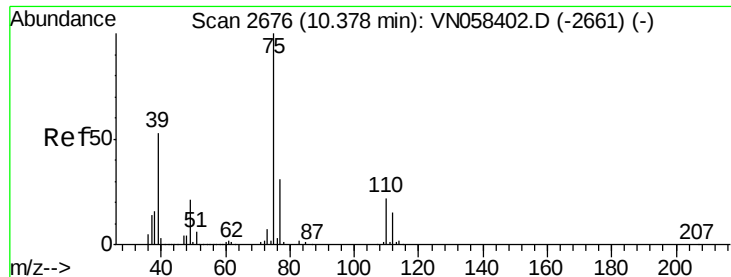
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





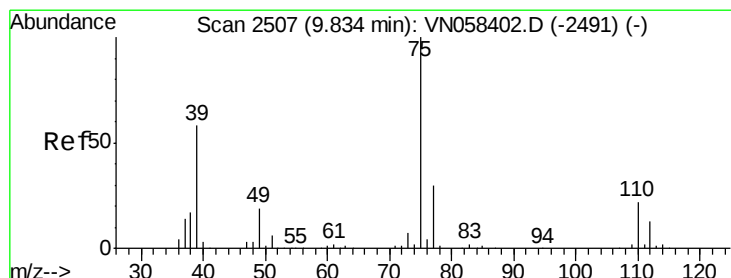
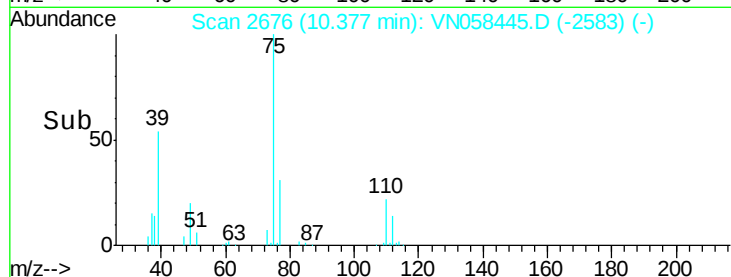
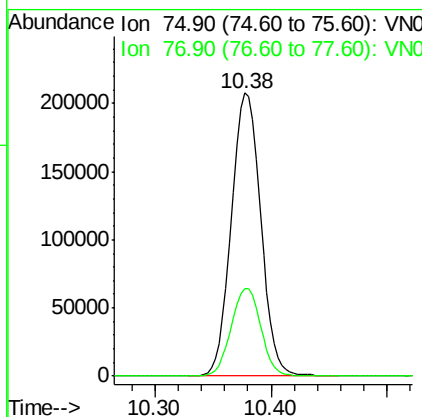
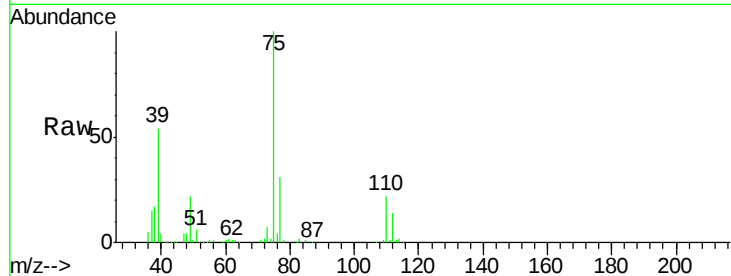
#53
t-1,3-Dichloropropene
Concen: 54.637 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

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

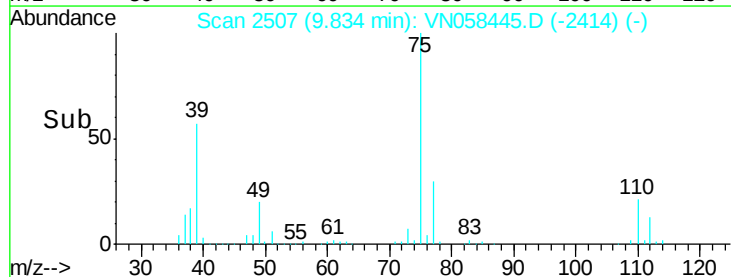
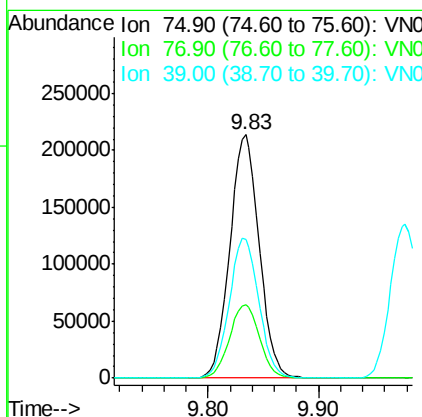
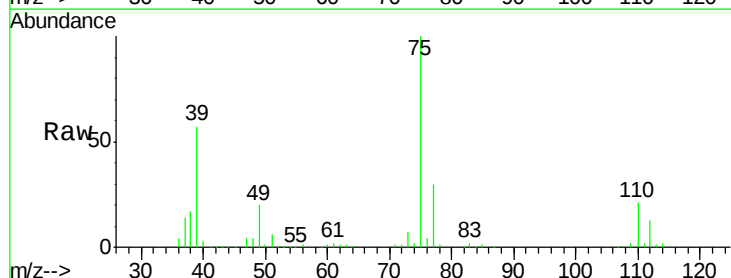
Manual Integrations
APPROVED

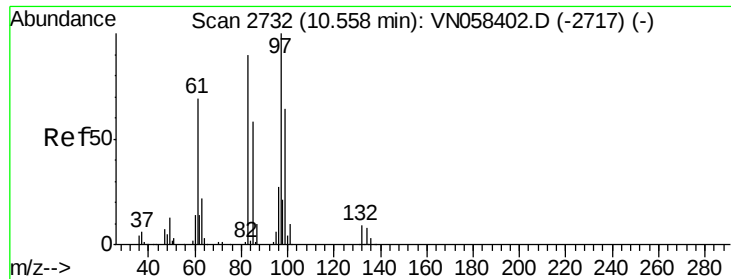
MMDadoda
10/2/2019 9:22:26 AM



#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





#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

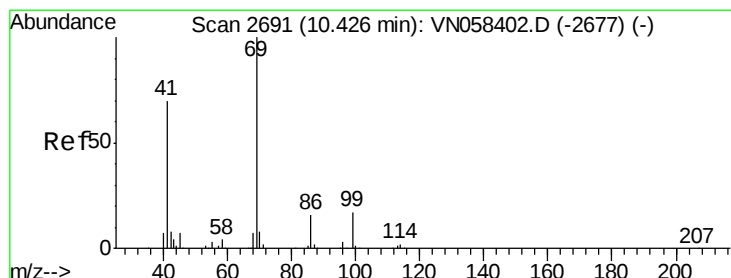
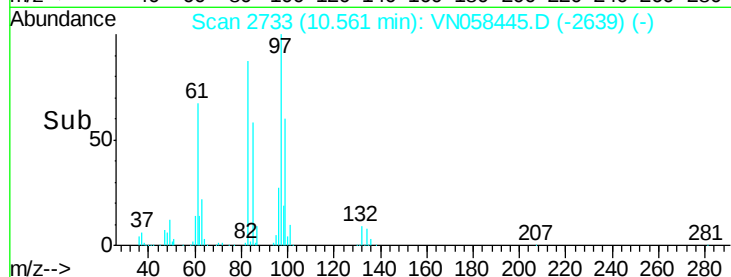
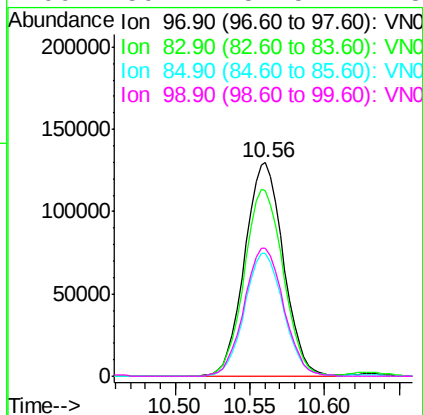
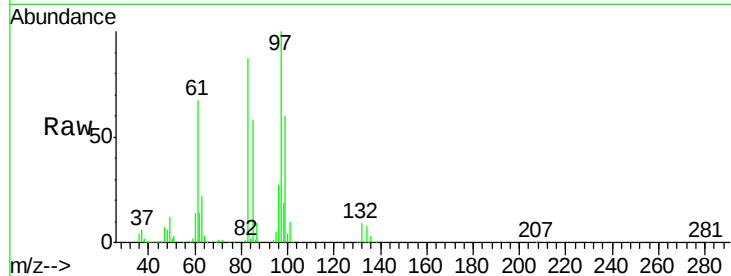
ClientSampleId :

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

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



#56

Ethyl methacrylate

Concen: 55.335 ug/l

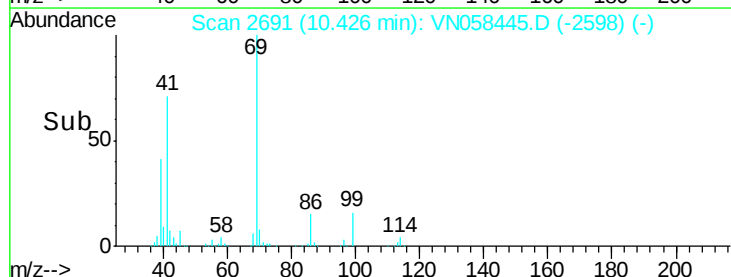
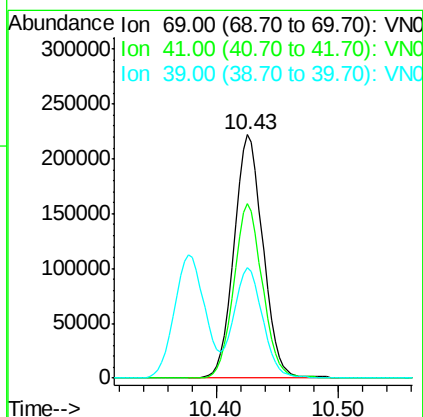
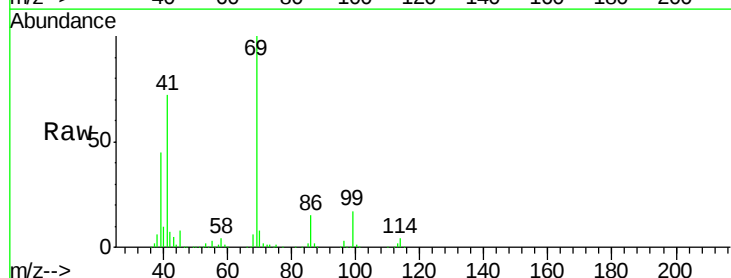
RT: 10.43 min Scan# 2691

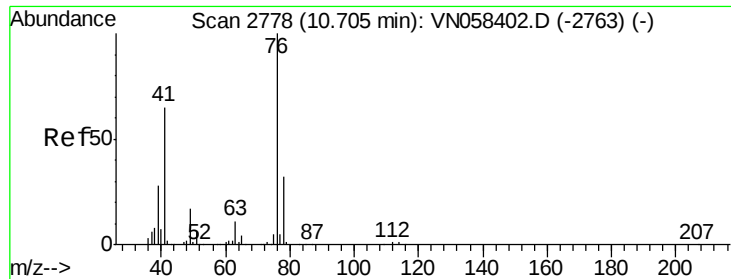
Delta R.T. -0.00 min

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





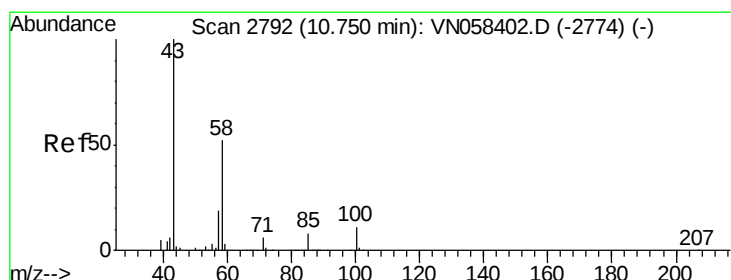
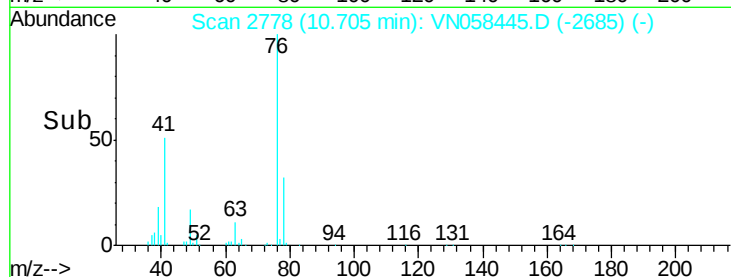
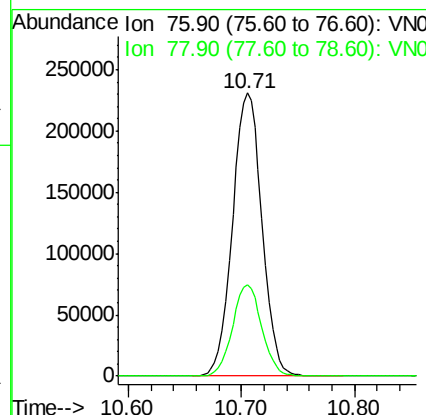
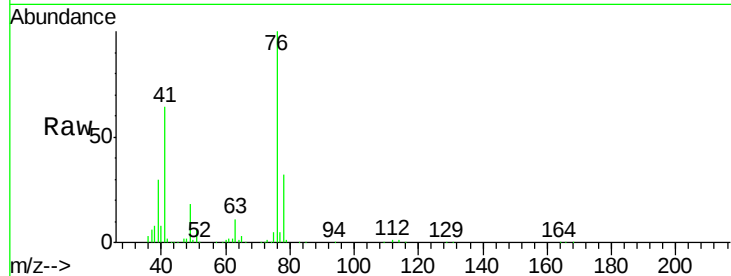
#57
 1,3-Dichloropropane
 Concen: 53.668 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

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

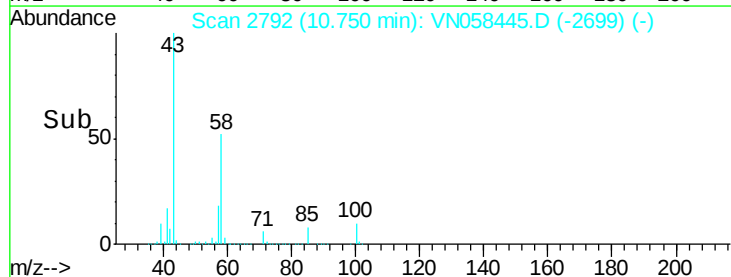
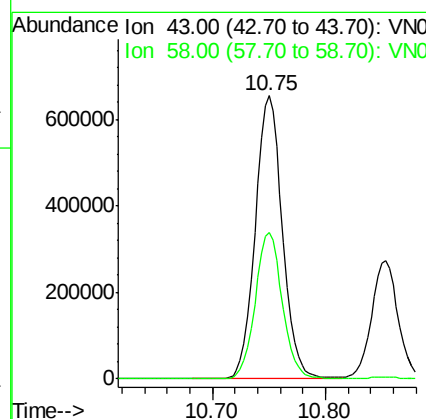
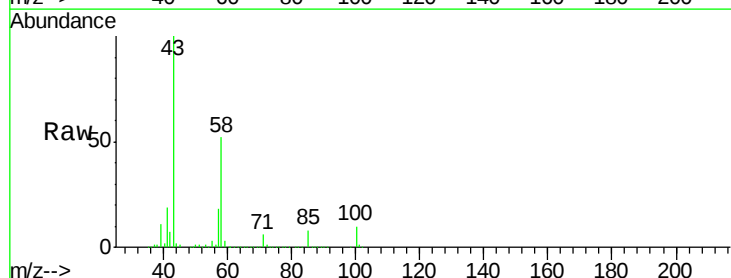
Manual Integrations
 APPROVED

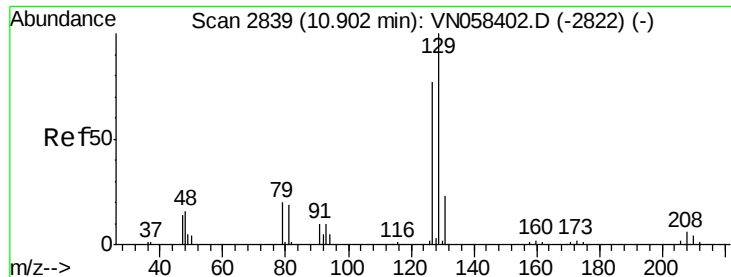
MMDadoda
 10/2/2019 9:22:26 AM



#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





#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

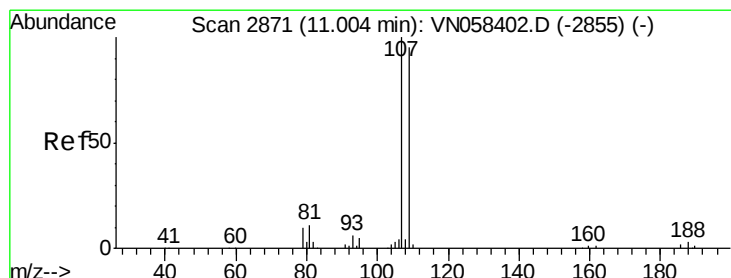
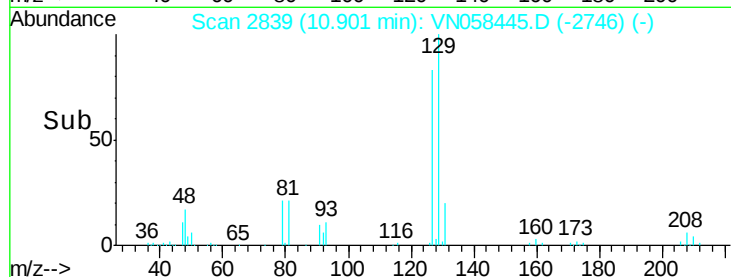
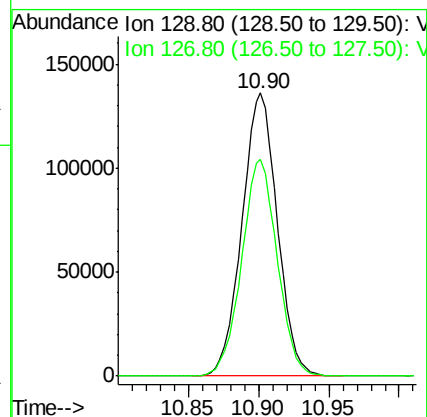
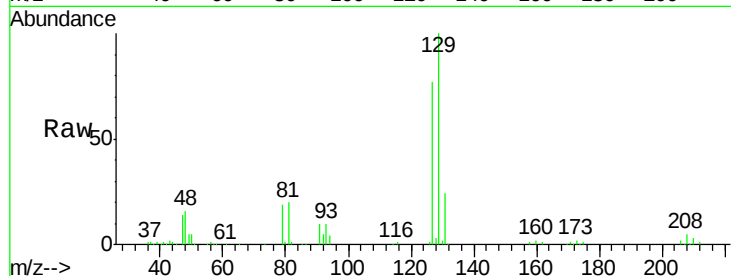
Ion Ratio Lower Upper

129 100

127 77.1 38.3 114.8

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



#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

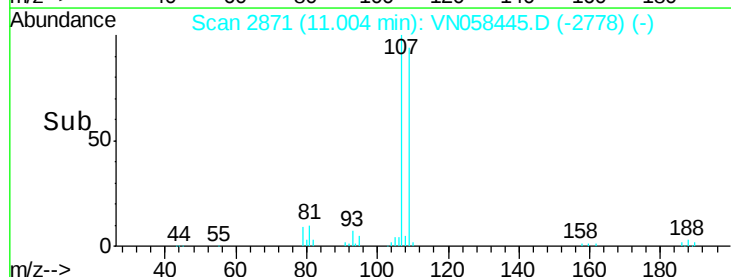
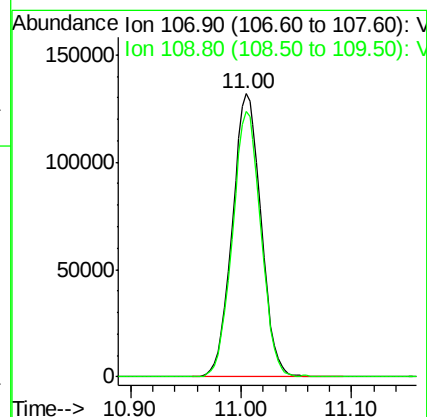
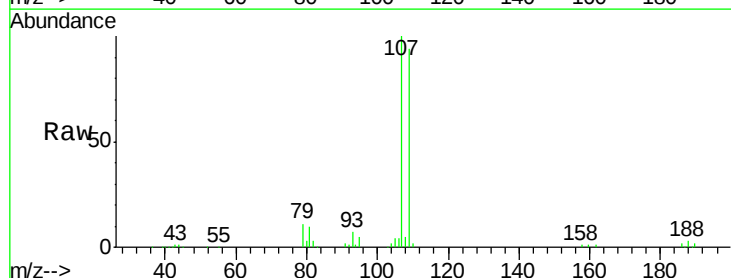
Acq: 30 Sep 2019 18:52

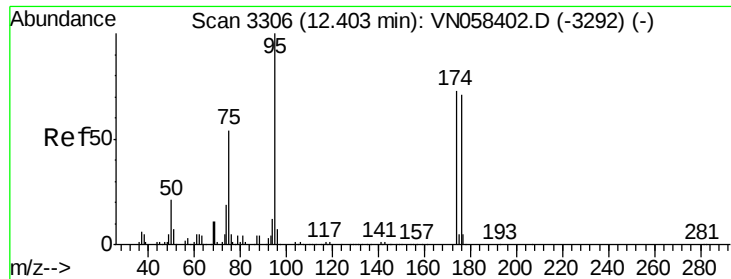
Tgt Ion:107 Resp: 238004

Ion Ratio Lower Upper

107 100

109 92.8 75.3 112.9





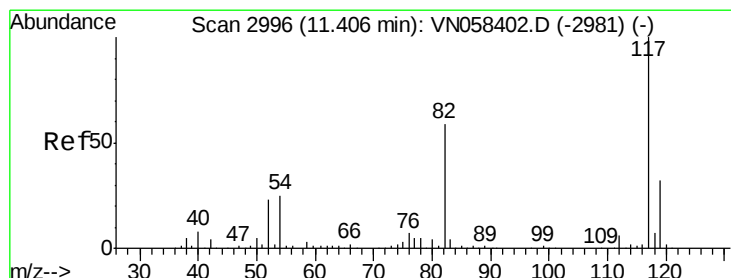
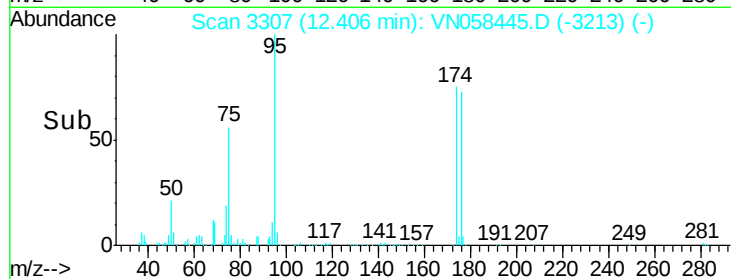
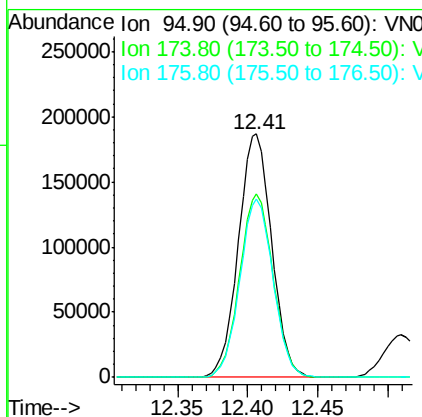
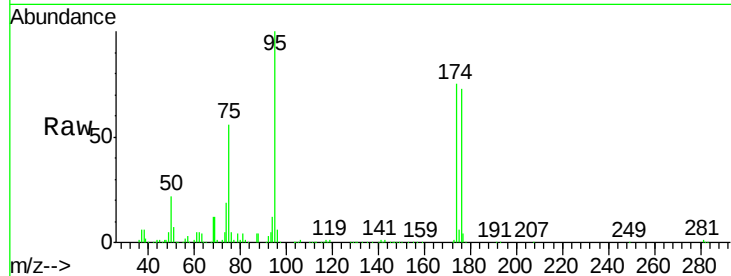
#62
4-Bromofluorobenzene
Concen: 51.577 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	309896		
174	75.6	0.0	150.6	
176	73.0	0.0	146.2	

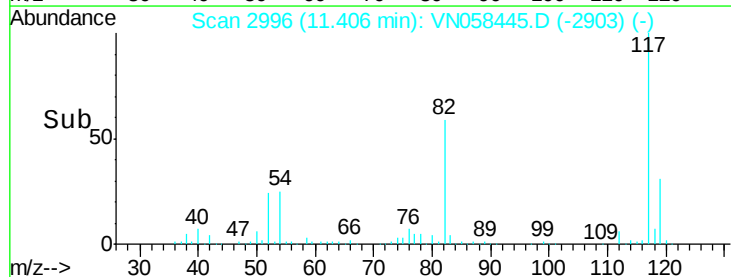
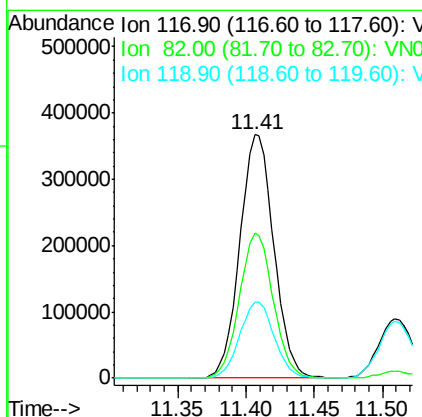
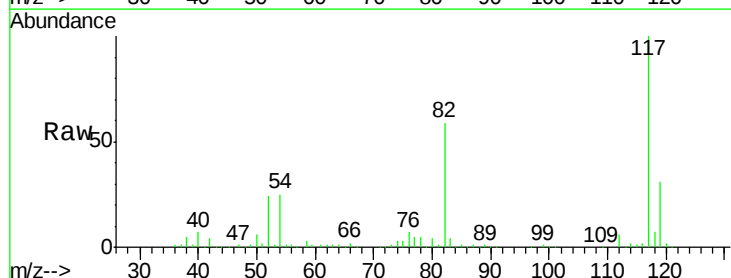
Manual Integrations
APPROVED

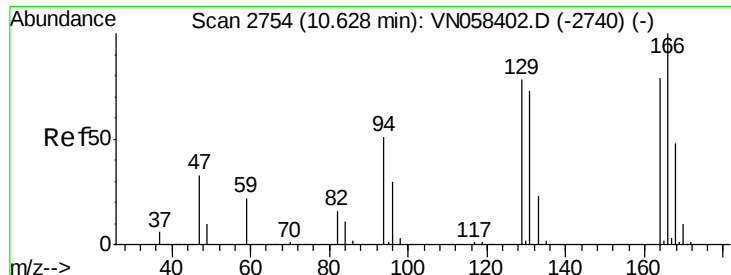
MMDadoda
10/2/2019 9:22:26 AM



#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	Ratio	Resp	Lower	Upper
117	100	636624		
82	59.4	47.4	71.0	
119	31.2	25.5	38.3	





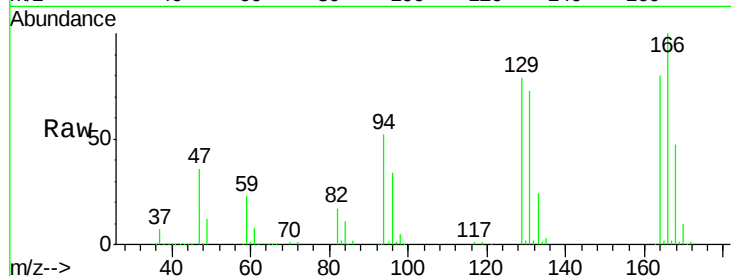
#64
Tetrachloroethene
Concen: 47.452 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

Tot Ion	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

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



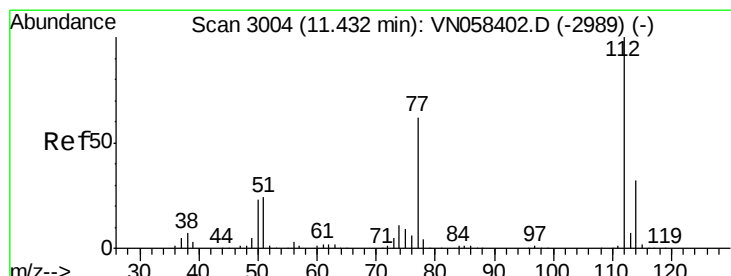
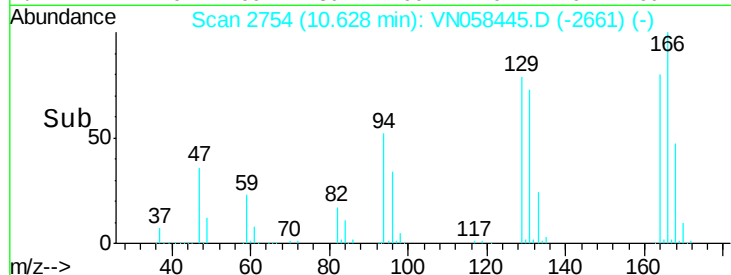
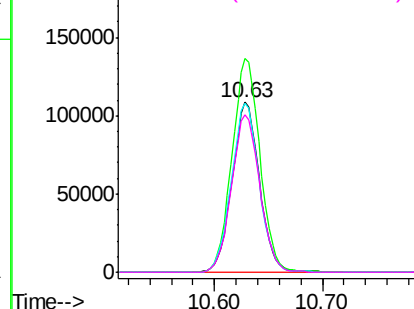
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

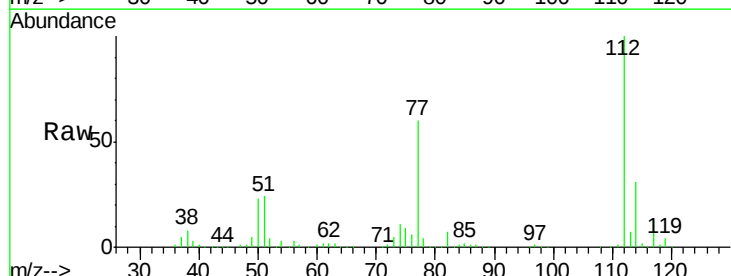
Ion 128.80 (128.50 to 129.50): V

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

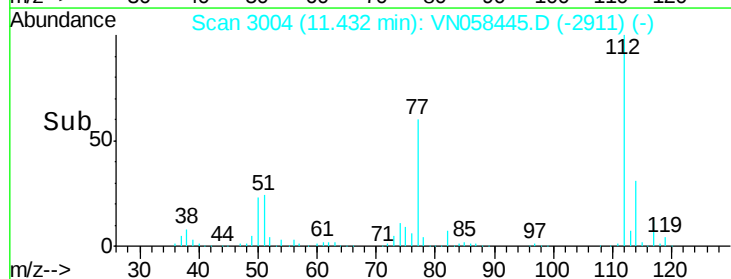
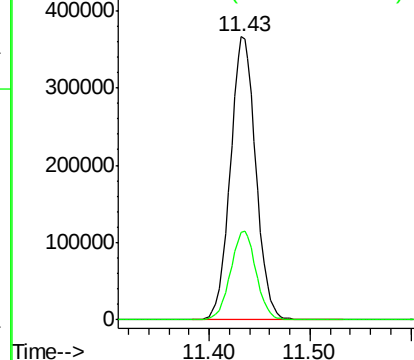
Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.4	38.2

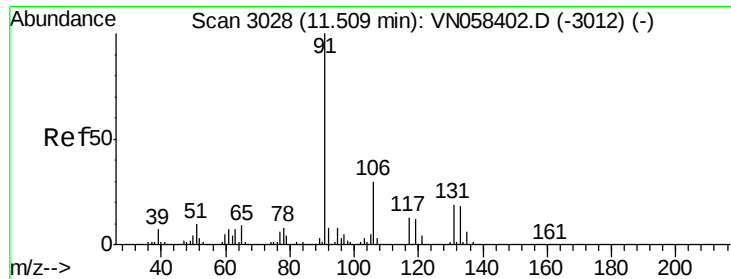


Abundance

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

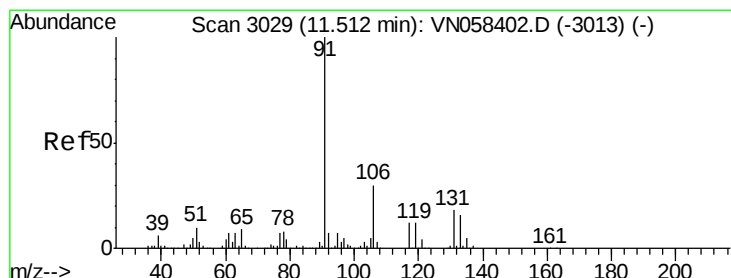
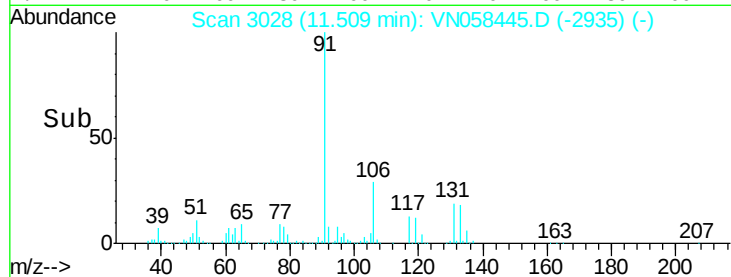
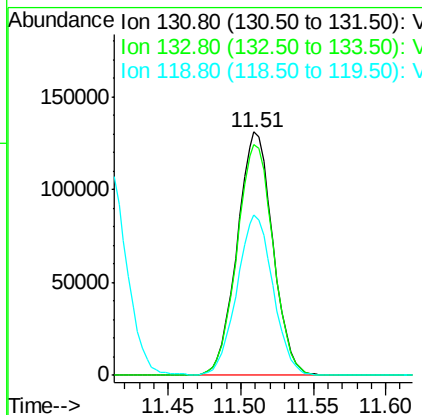
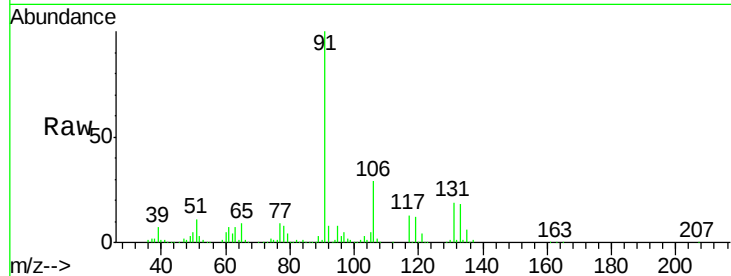
ClientSampleId :

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

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



#67

Ethyl Benzene

Concen: 52.078 ug/l

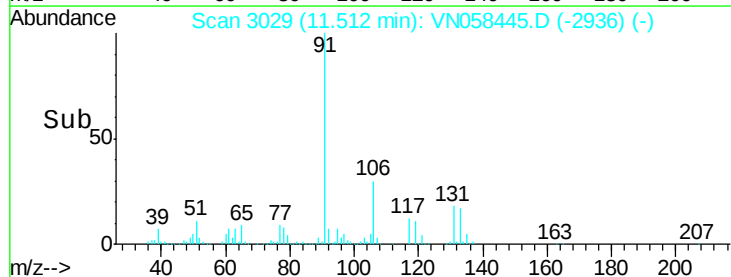
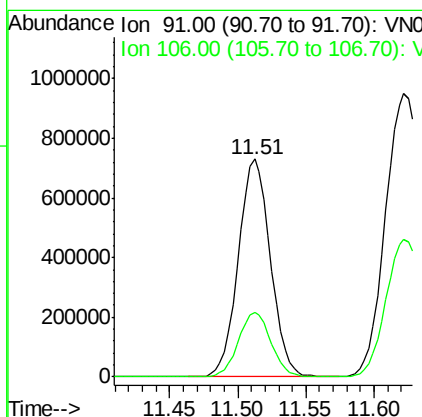
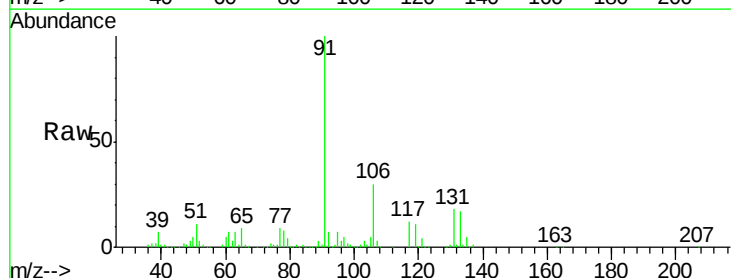
RT: 11.51 min Scan# 3029

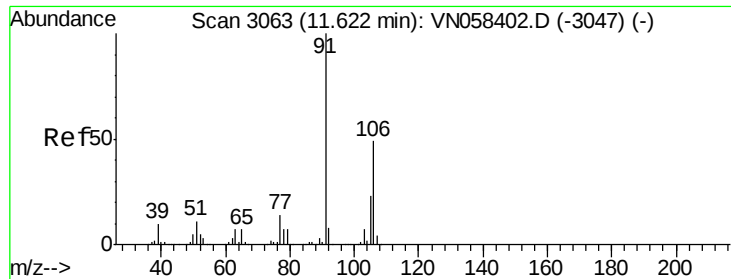
Delta R.T. -0.00 min

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





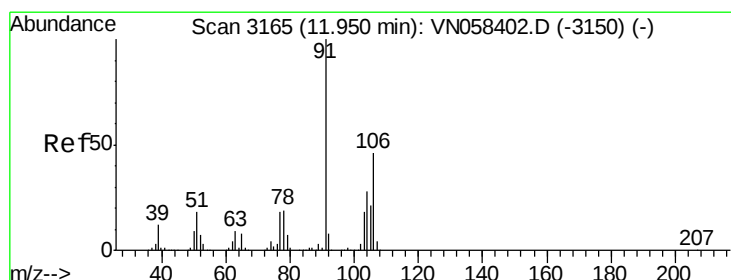
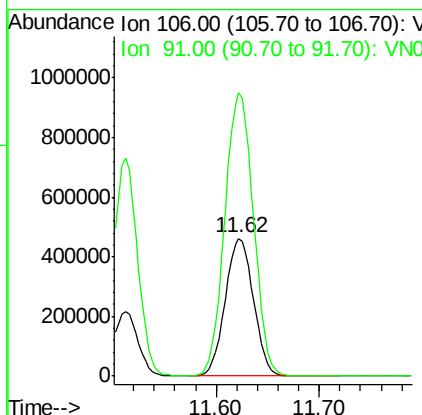
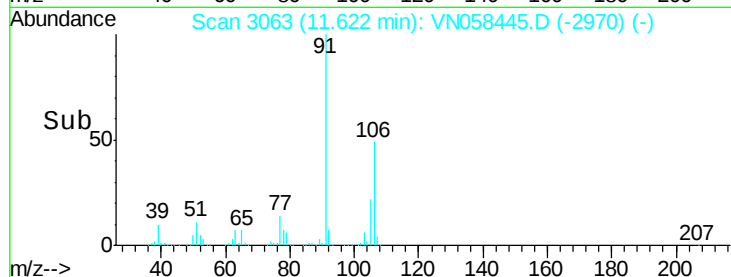
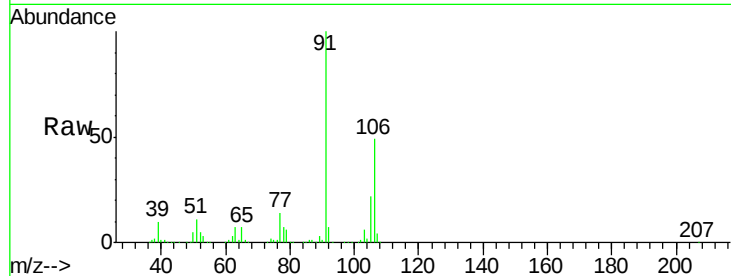
#68
m/p-Xylenes
Concen: 102.005 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

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

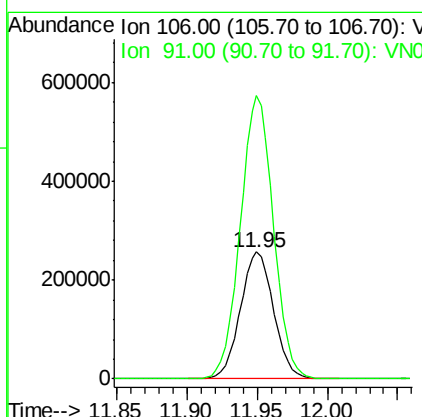
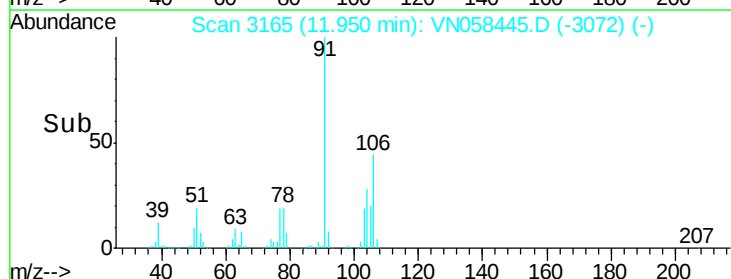
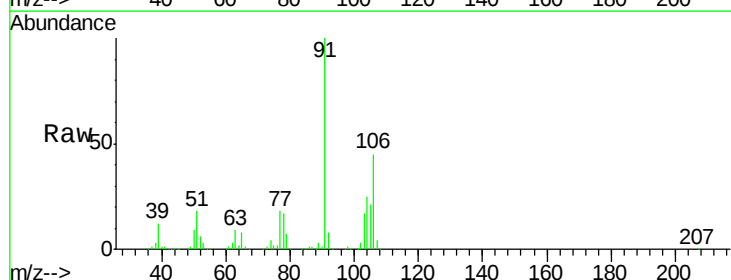
Manual Integrations
APPROVED

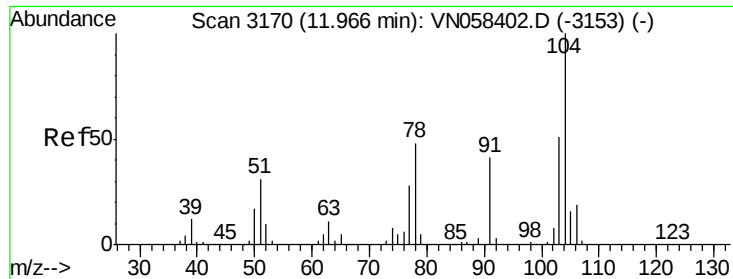
MMDadoda
10/2/2019 9:22:26 AM



#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





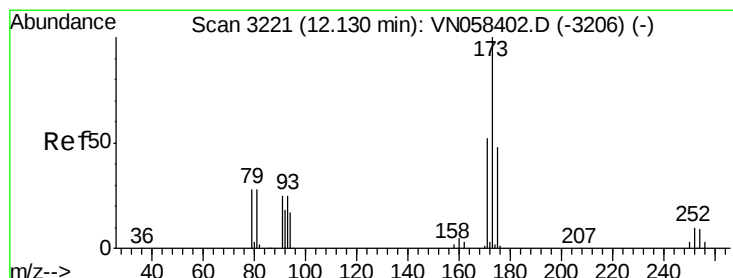
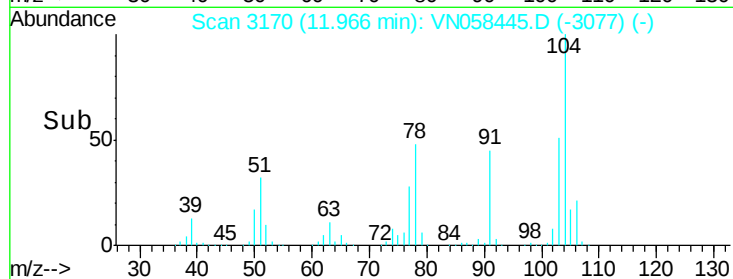
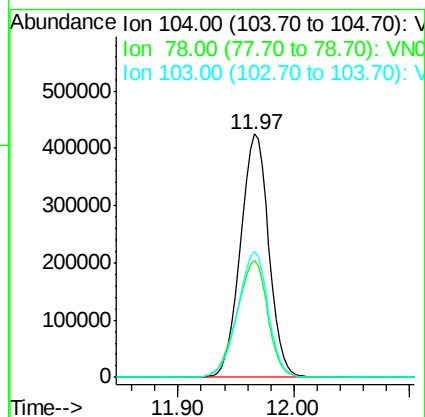
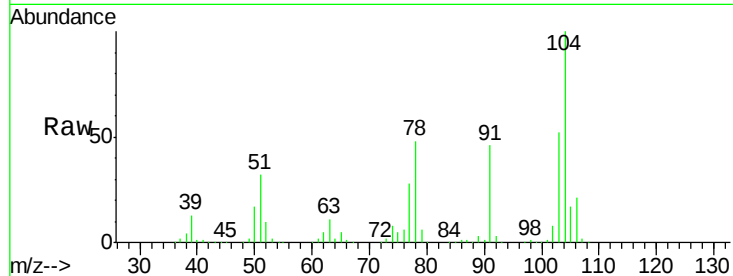
#70
Stvrene
Concen: 53.286 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

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

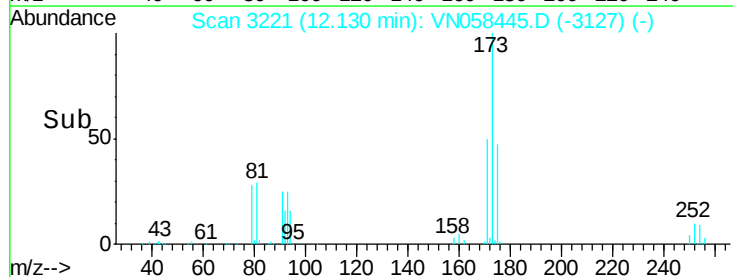
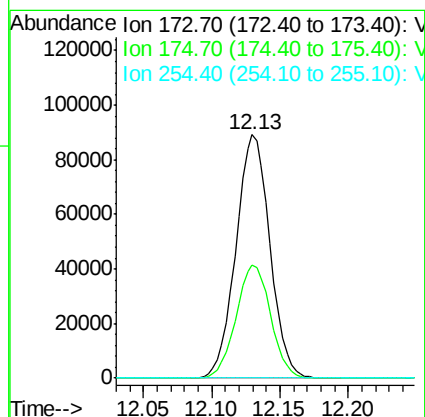
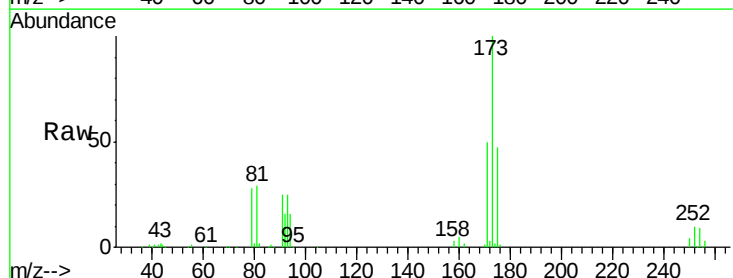
Manual Integrations
APPROVED

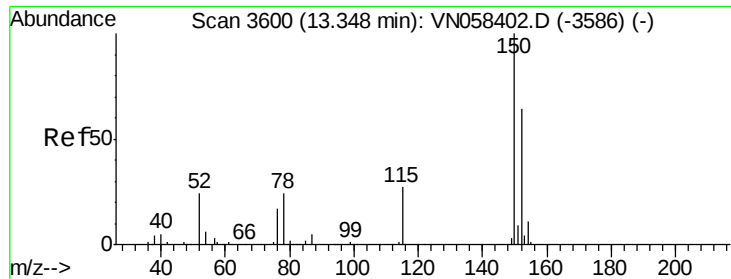
MMDadoda
10/2/2019 9:22:26 AM



#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	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

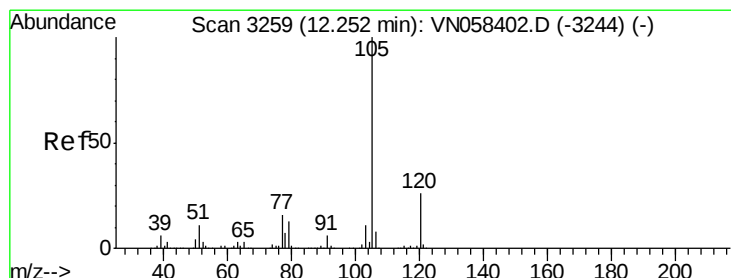
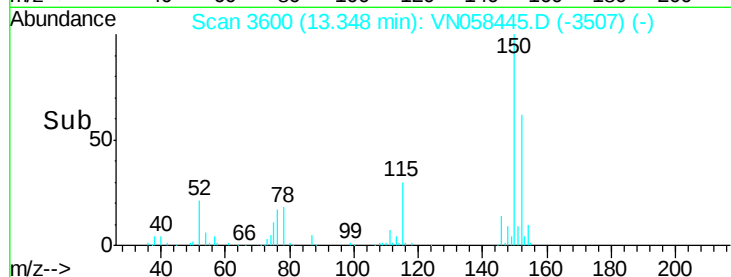
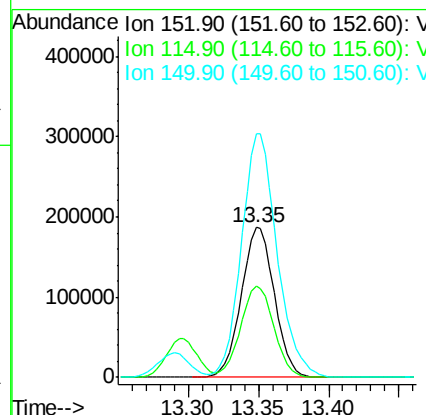
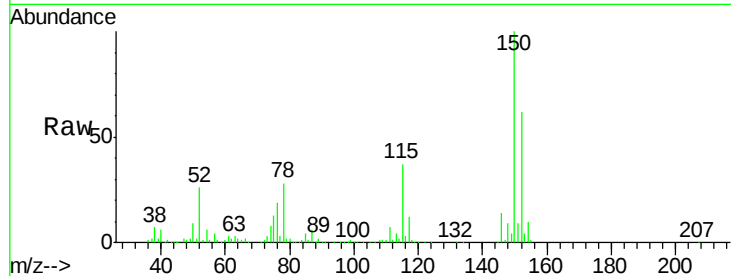
ClientSampleId :

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

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



#73

Isopropylbenzene

Concen: 51.616 ug/l

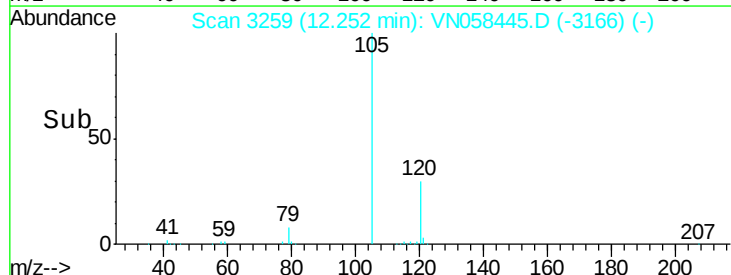
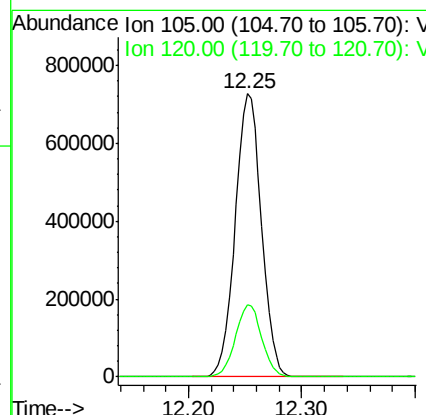
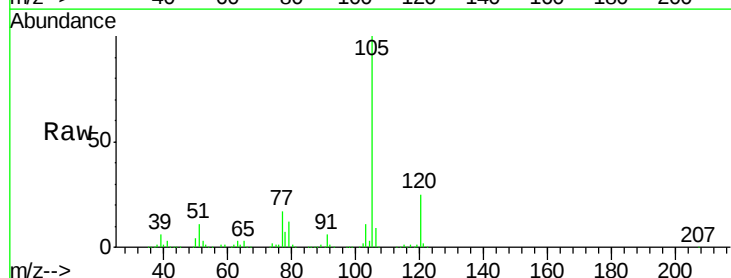
RT: 12.25 min Scan# 3259

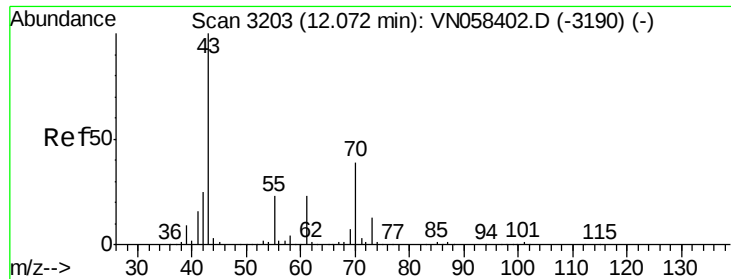
Delta R.T. -0.00 min

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





#74

N-amvl 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

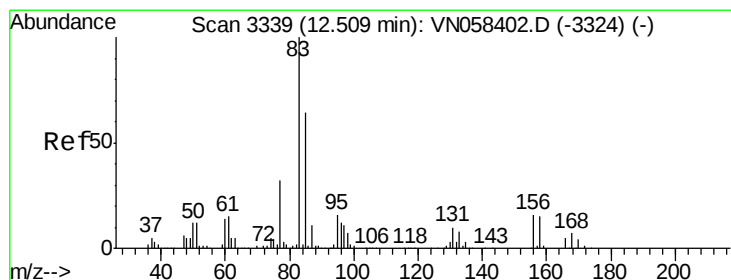
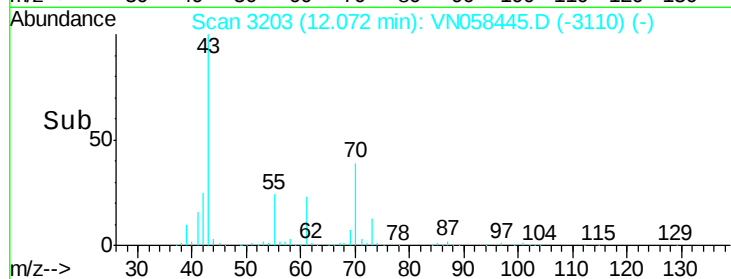
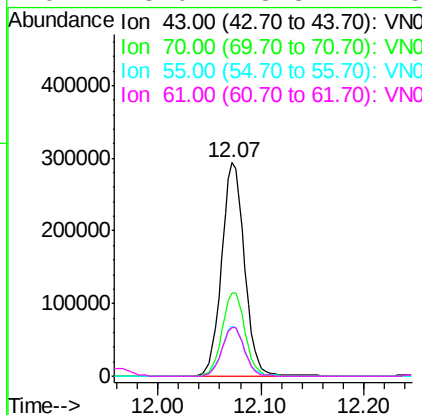
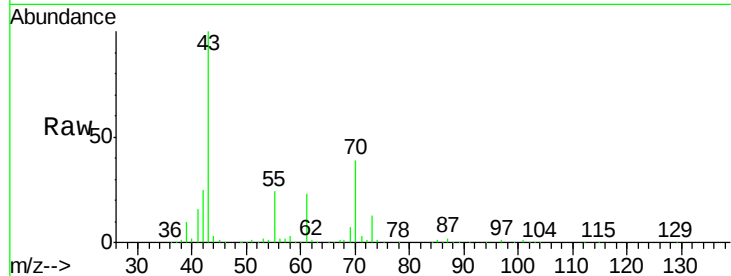
ClientSampleId :

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

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 51.273 ug/l

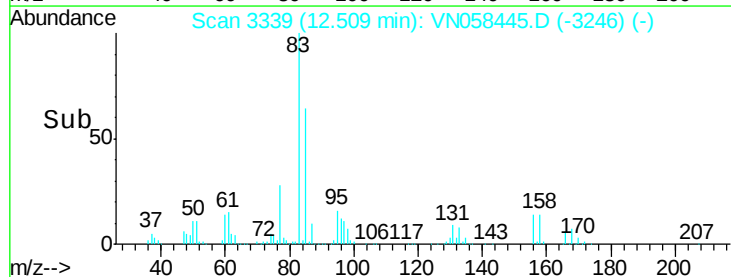
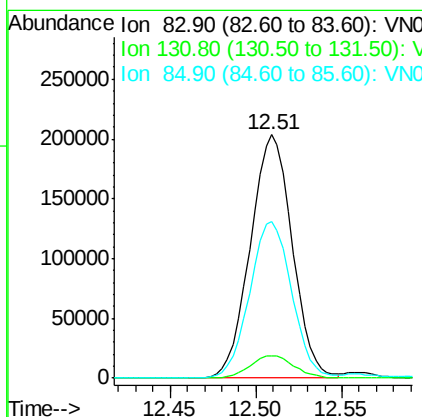
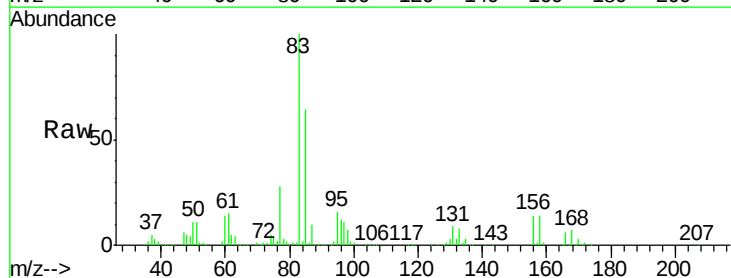
RT: 12.51 min Scan# 3339

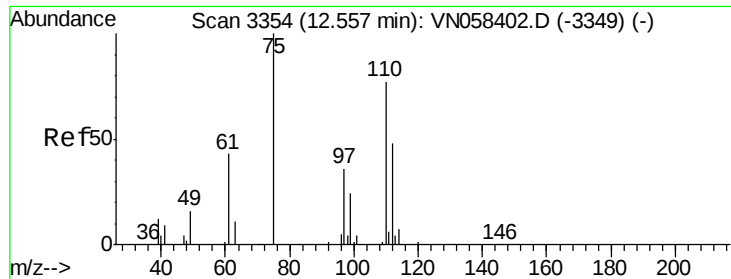
Delta R.T. -0.00 min

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: 52.871 ug/l m

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: 296074

Ion Ratio Lower Upper

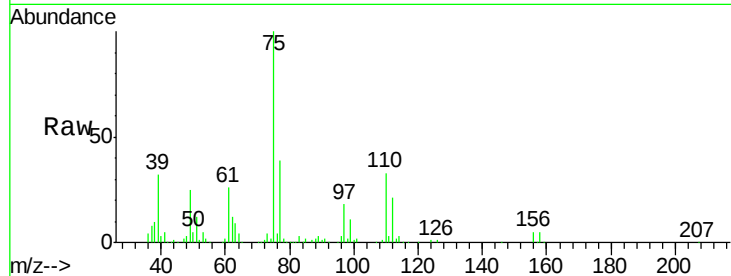
75 100

77 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

10/2/2019 9:22:26 AM



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

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

300000

200000

100000

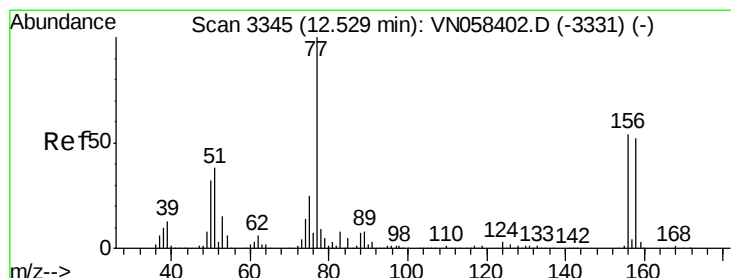
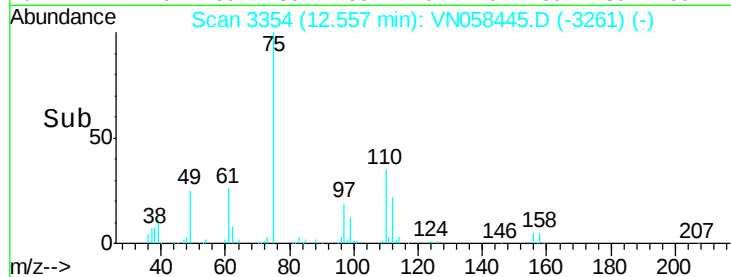
0

12.55

12.56

12.60

Time-->



#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

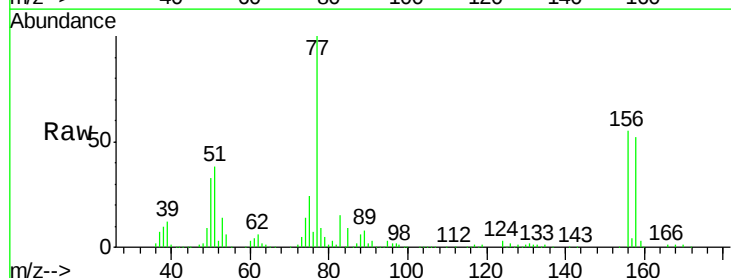
Tgt Ion: 156 Resp: 264529

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) (-)

400000

300000

200000

100000

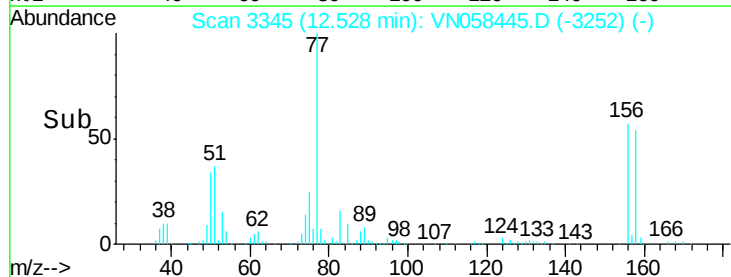
0

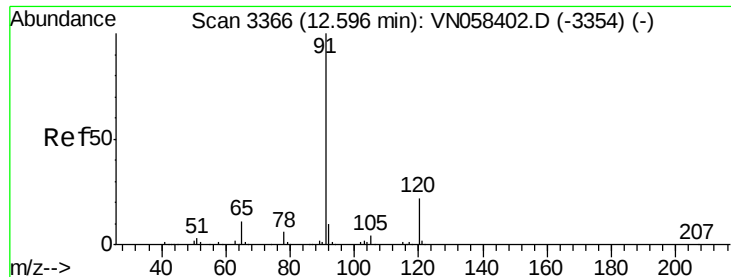
12.50

12.53

12.60

Time-->





#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

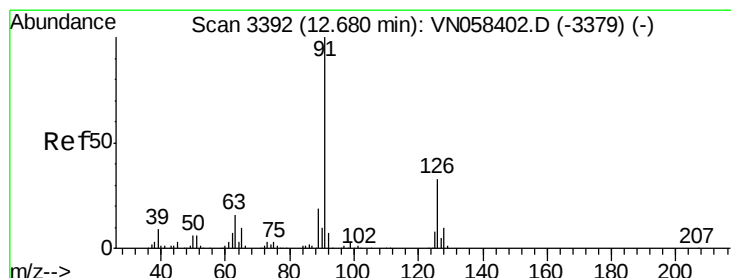
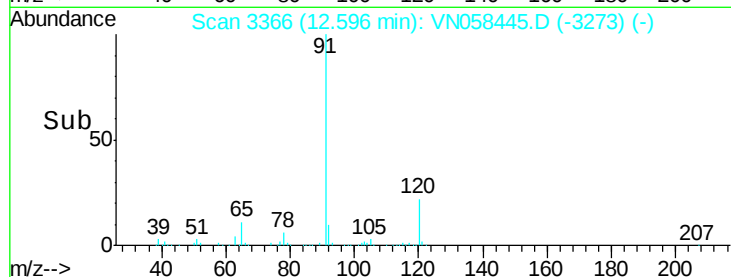
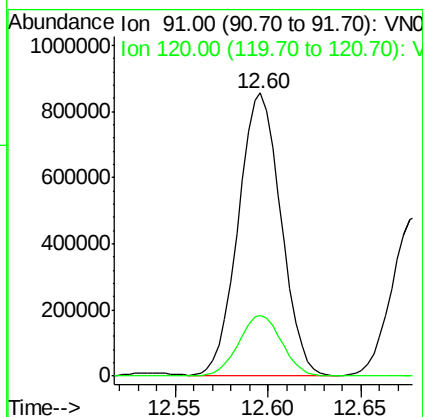
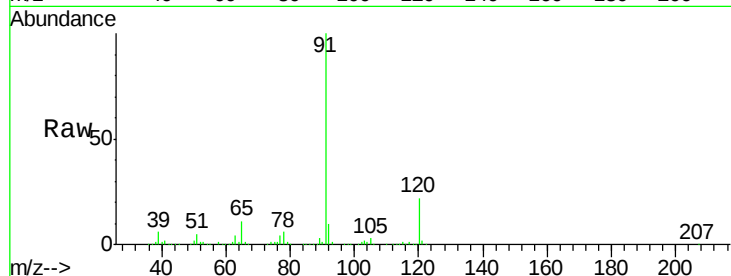
Ion Ratio Lower Upper

91 100

120 21.7 10.9 32.9

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



#79

2-Chlorotoluene

Concen: 50.797 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058445.D

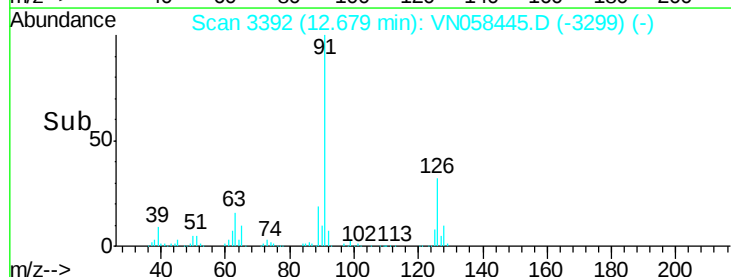
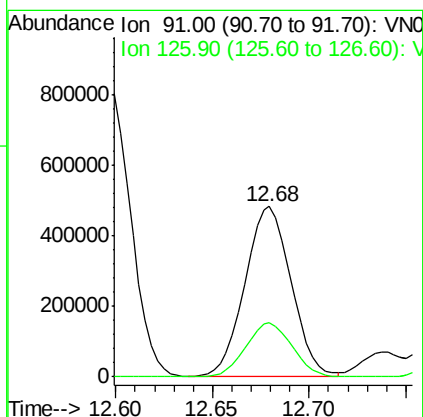
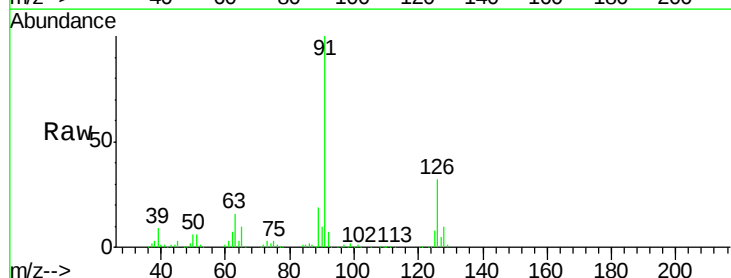
Acq: 30 Sep 2019 18:52

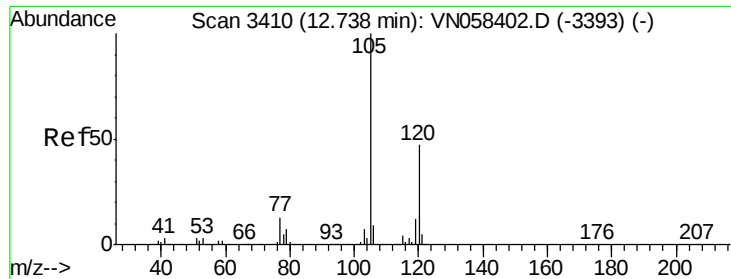
Tgt Ion: 91 Resp: 800355

Ion Ratio Lower Upper

91 100

126 32.0 16.2 48.6





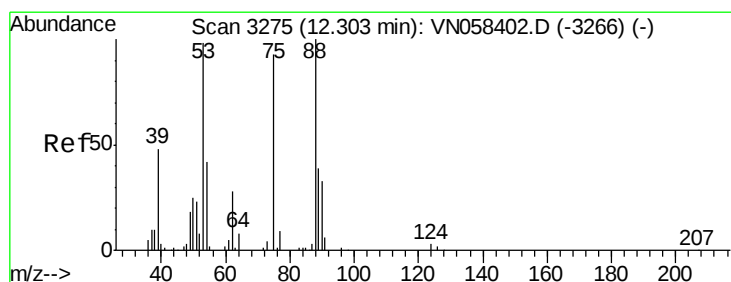
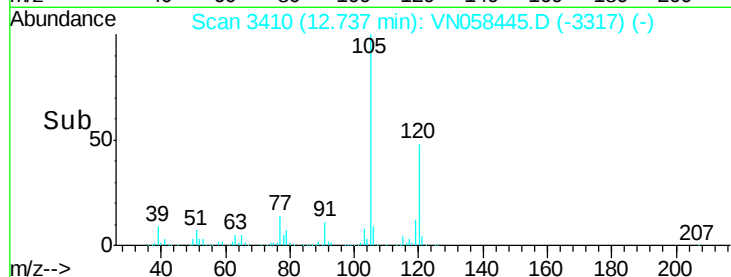
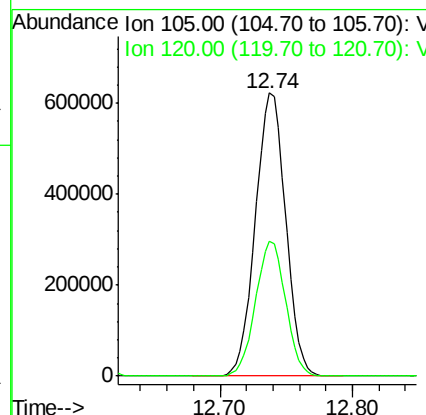
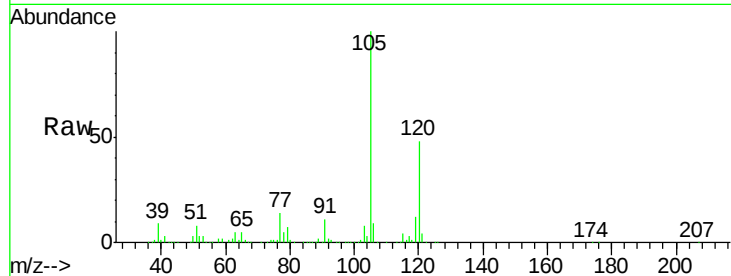
#80
 1,3,5-Trimethylbenzene
 Concen: 52.092 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.5	70.6

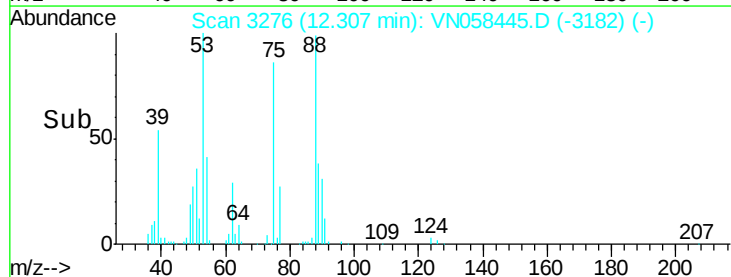
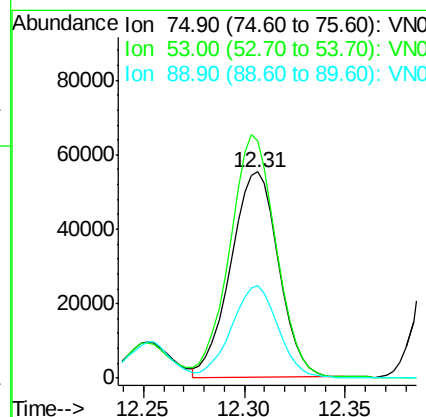
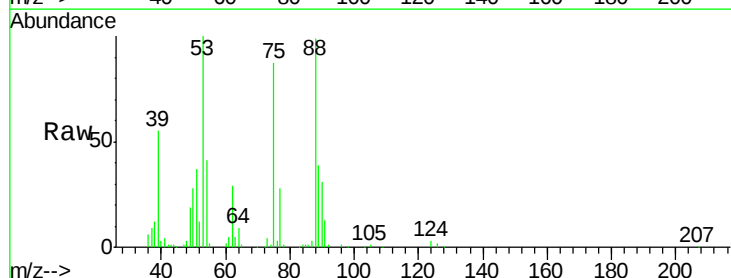
Manual Integrations
 APPROVED

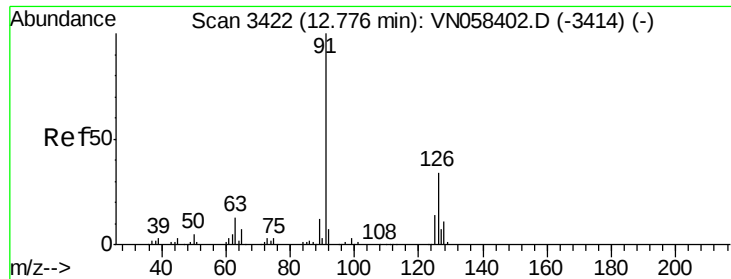
MMDadoda
 10/2/2019 9:22:26 AM



#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	Ratio	Lower	Upper
75	100		
53	113.7	85.4	128.0
89	44.1	35.0	52.4





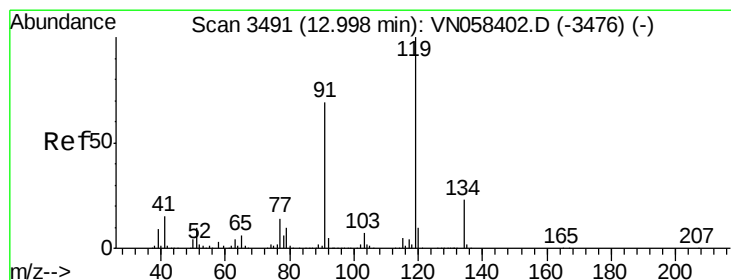
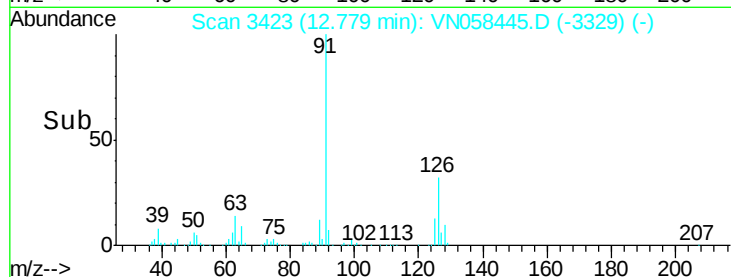
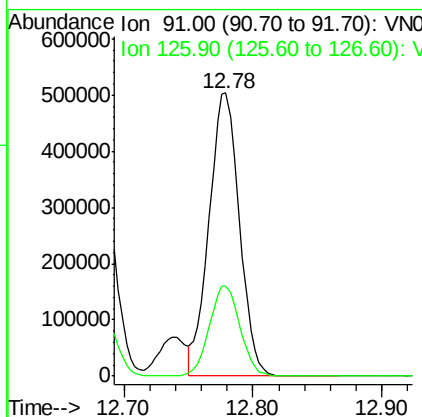
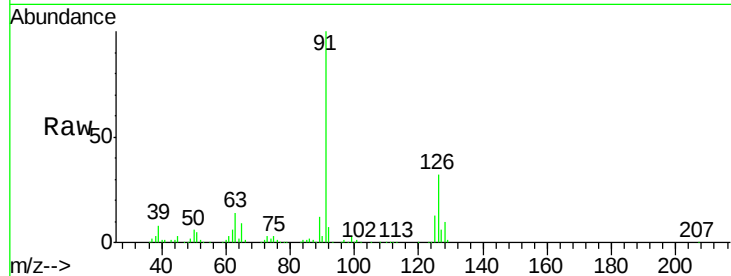
#82
4-Chlorotoluene
Concen: 51.062 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.9	47.7

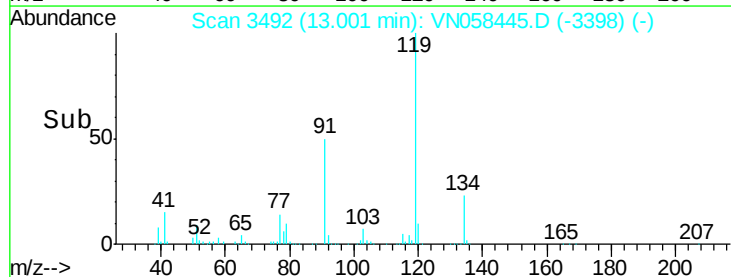
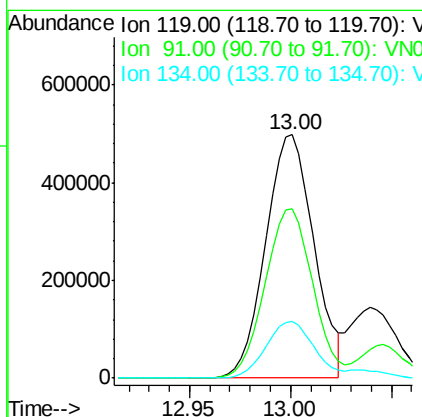
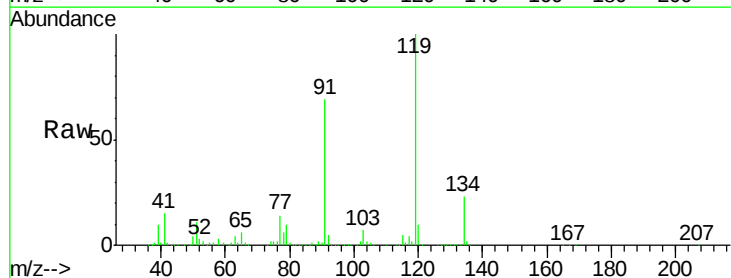
Manual Integrations
APPROVED

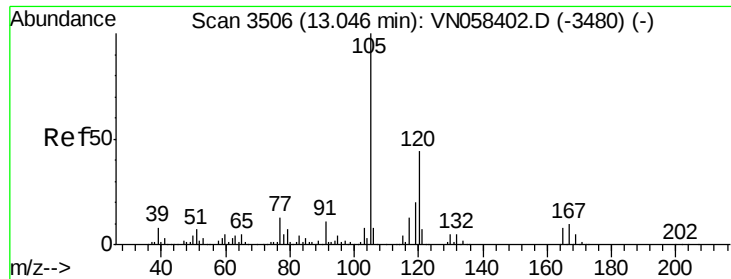
MMDadoda
10/2/2019 9:22:26 AM



#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	Ratio	Lower	Upper
119	100		
91	68.6	34.2	102.6
134	23.4	11.6	34.8





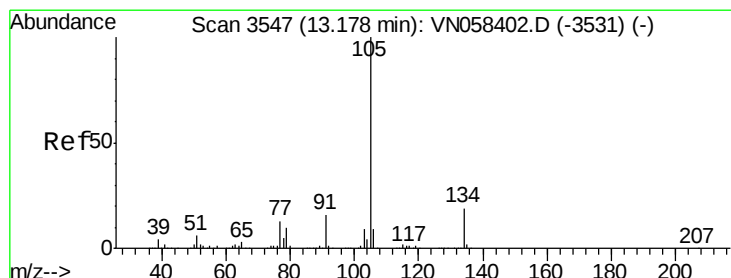
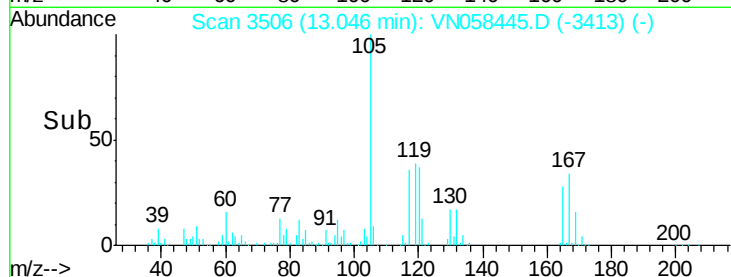
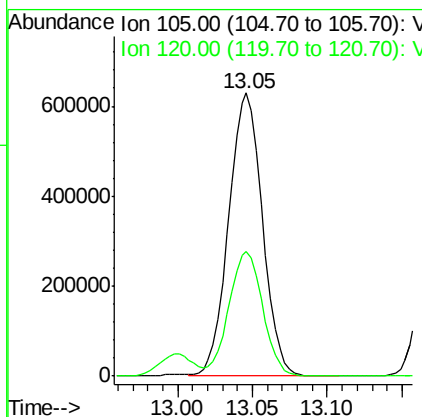
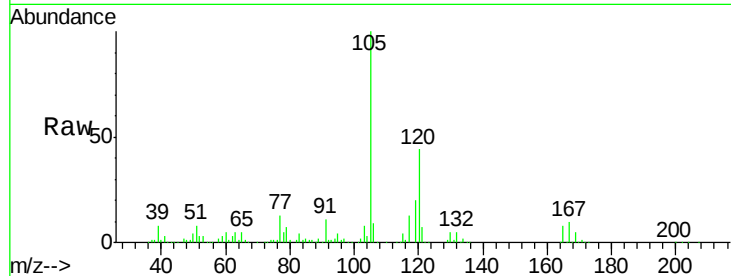
#84
 1,2,4-Trimethylbenzene
 Concen: 51.831 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

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

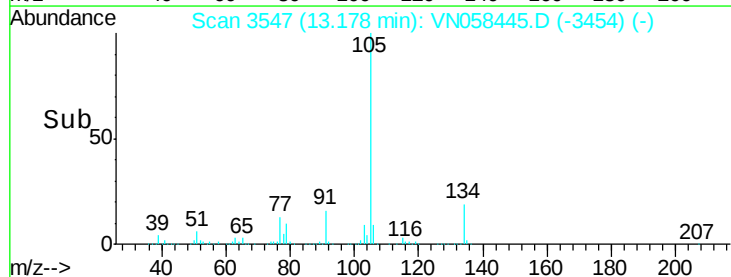
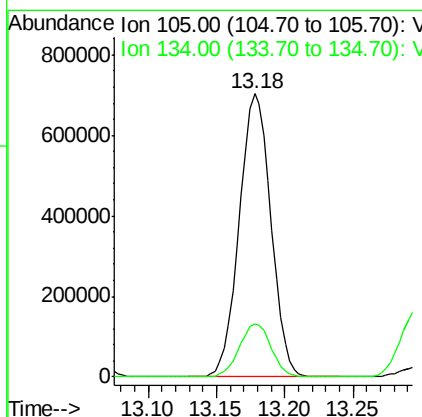
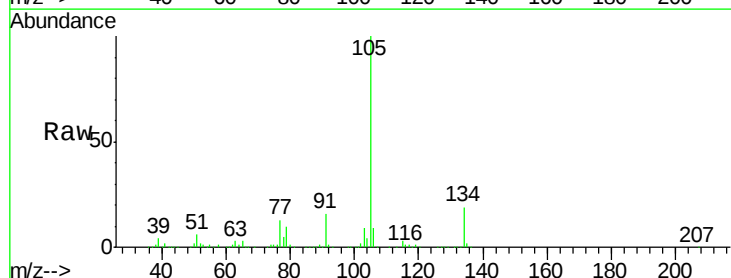
Manual Integrations
 APPROVED

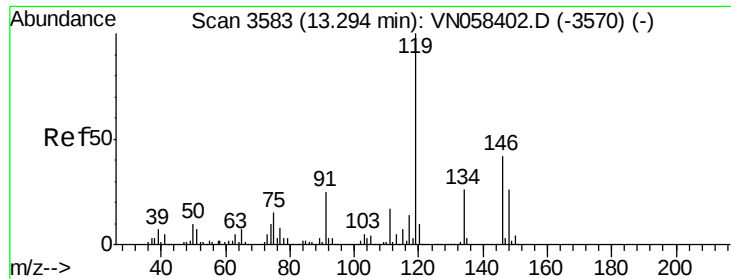
MMDadoda
 10/2/2019 9:22:26 AM



#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





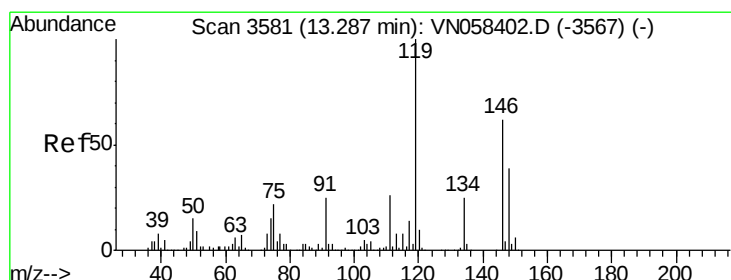
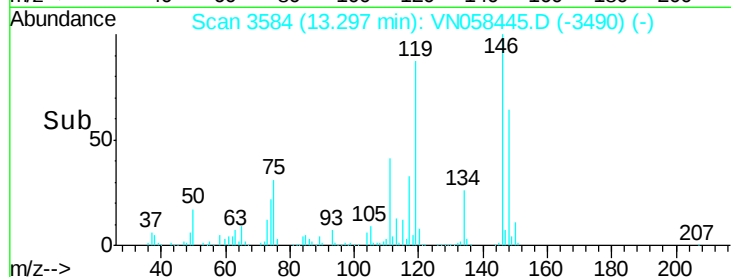
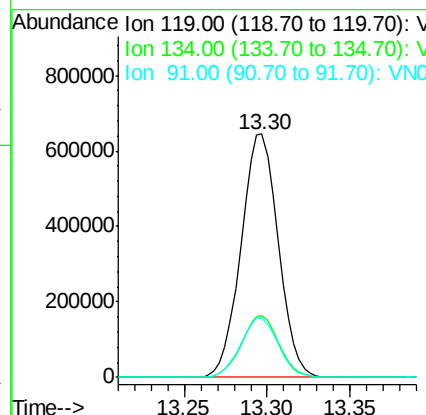
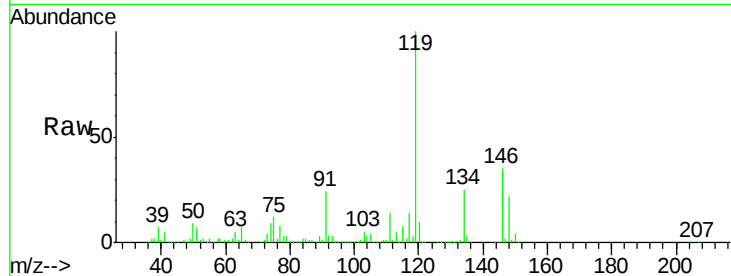
#86
 p-Isopropyltoluene
 Concen: 54.269 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

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

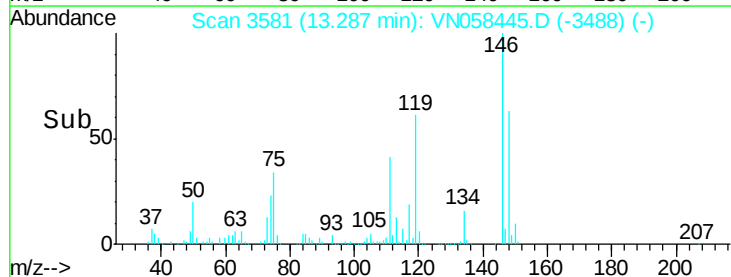
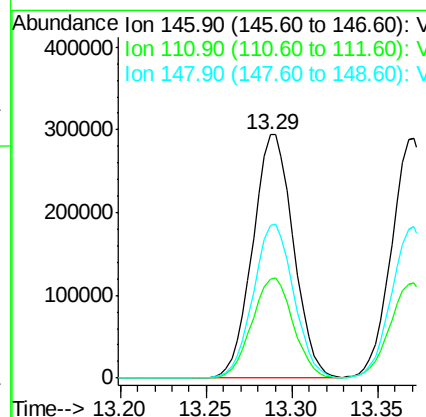
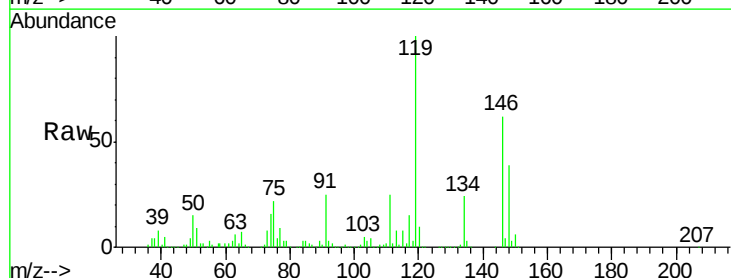
Manual Integrations
 APPROVED

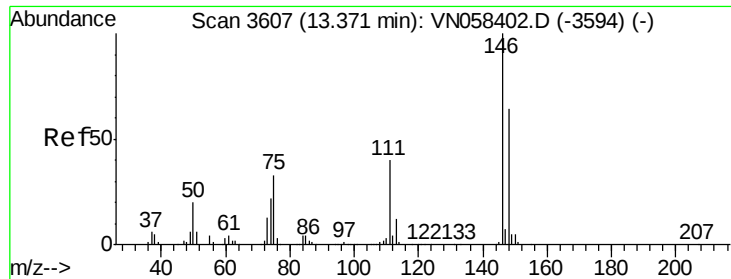
MMDadoda
 10/2/2019 9:22:26 AM



#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	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.4
148	62.8	31.4	94.3





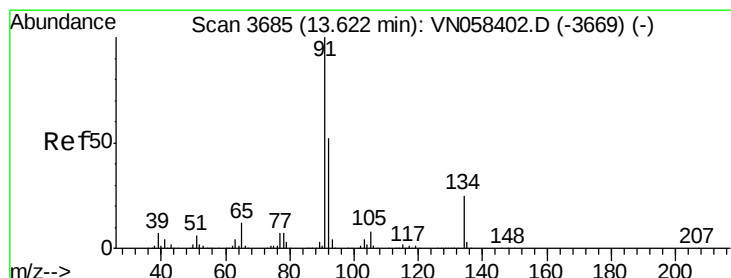
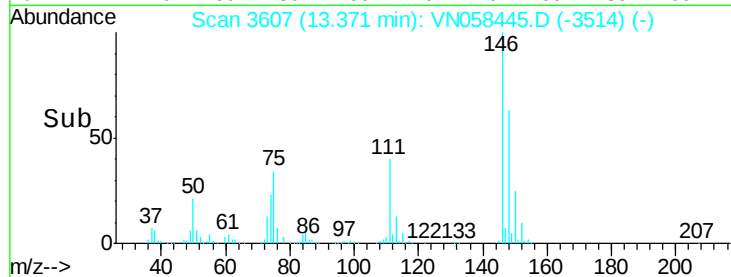
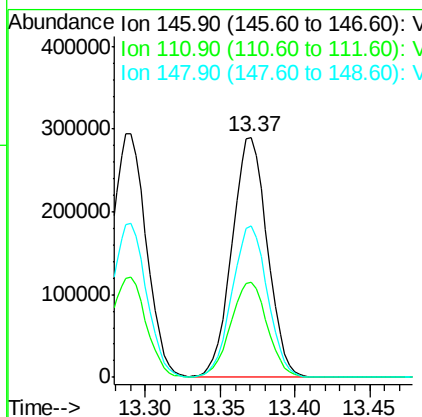
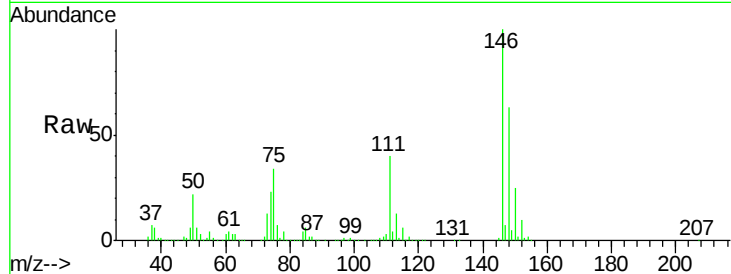
#88
 1,4-Dichlorobenzene
 Concen: 49.761 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

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

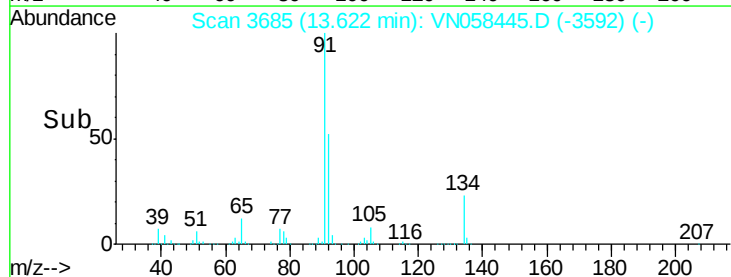
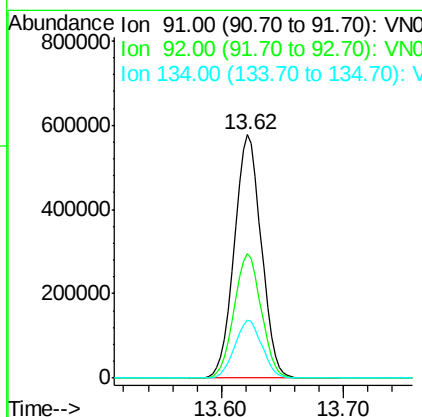
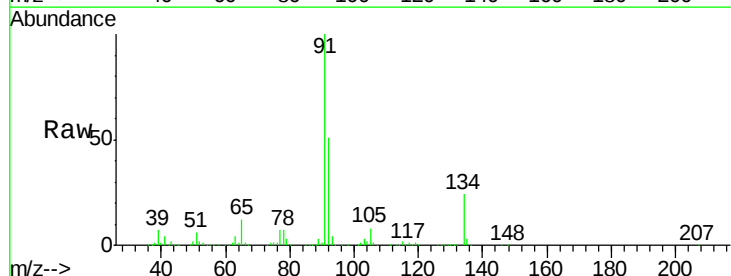
Manual Integrations
 APPROVED

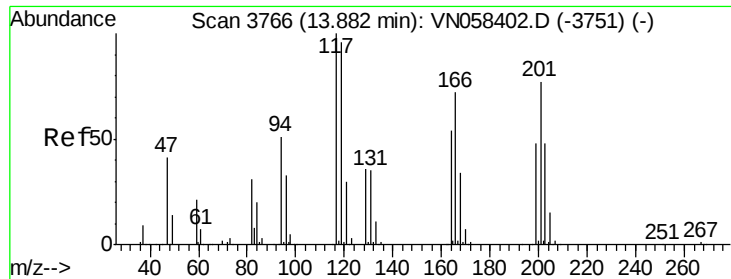
MMDadoda
 10/2/2019 9:22:26 AM



#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





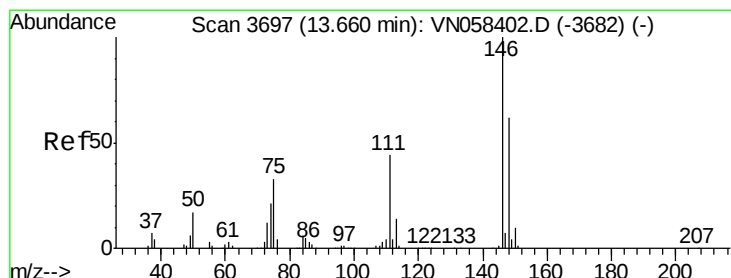
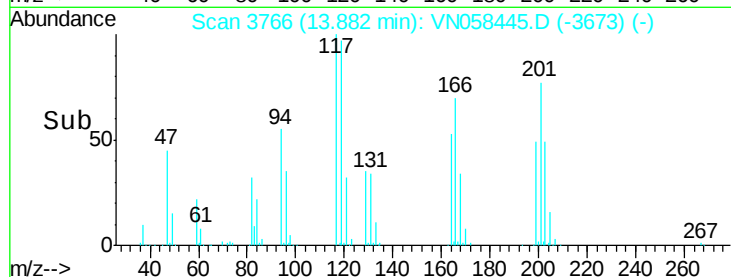
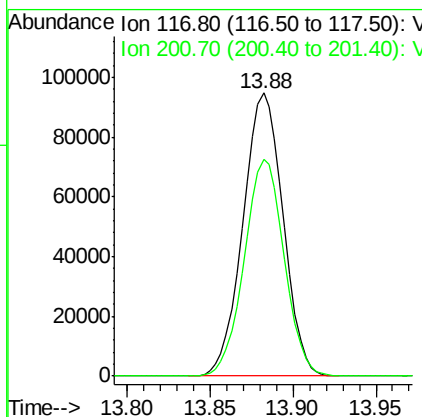
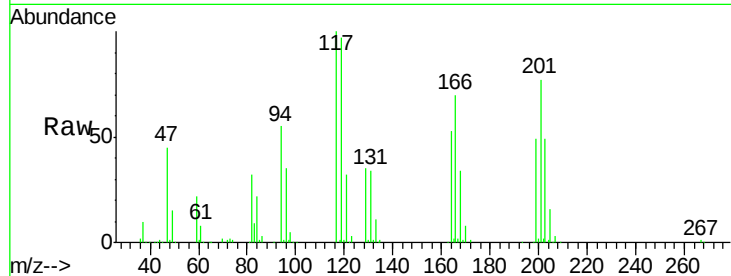
#90
Hexachloroethane
Concen: 57.365 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058445.D
Acq: 30 Sep 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
SA-MW184S-20190924MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	159817		
201	76.0	38.6	116.0	

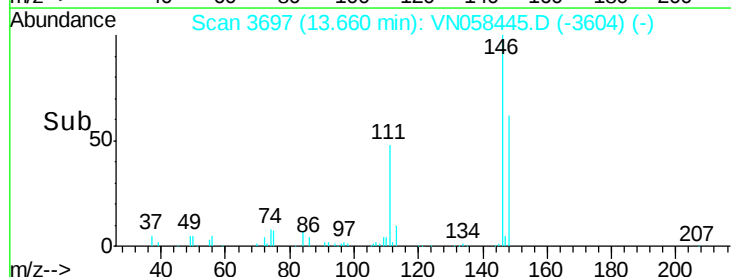
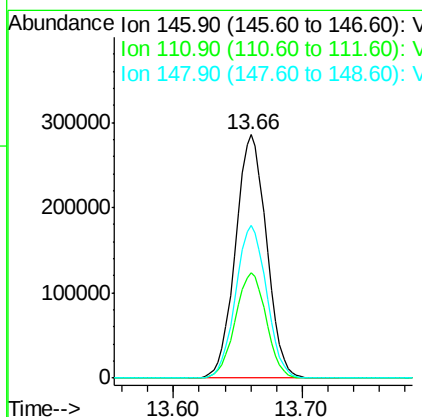
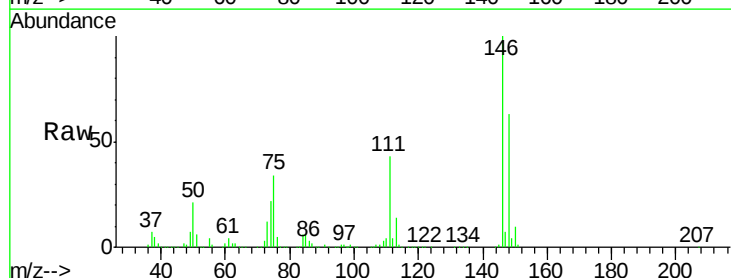
Manual Integrations
APPROVED

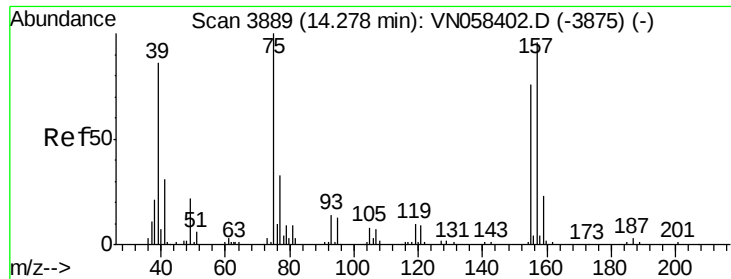
MMDadoda
10/2/2019 9:22:26 AM



#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	Ratio	Resp	Lower	Upper
146	100	477438		
111	43.2	21.8	65.3	
148	62.6	31.5	94.5	





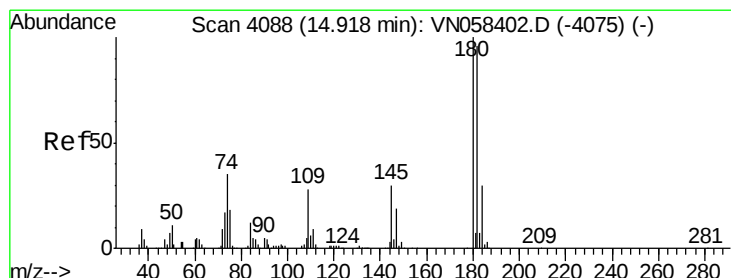
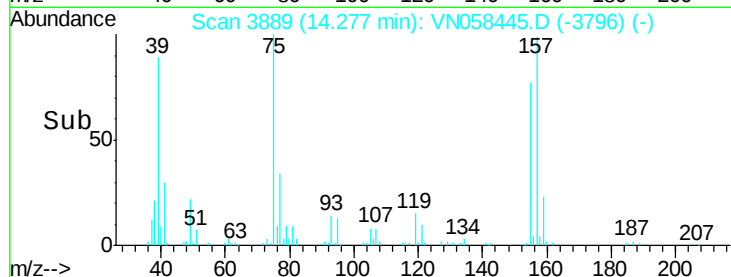
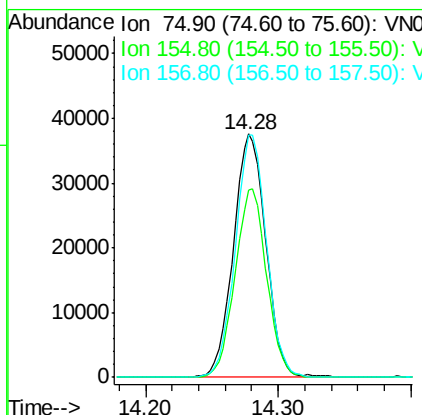
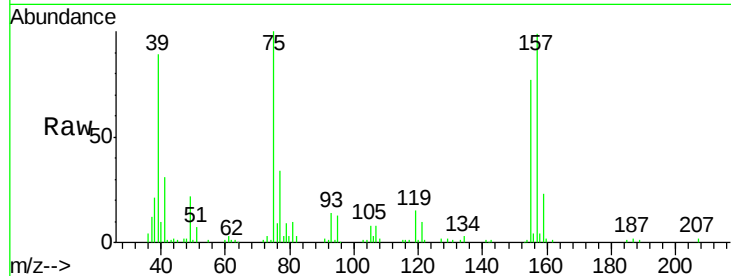
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.961 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	75.3	39.2	117.6
157	95.8	48.7	146.1

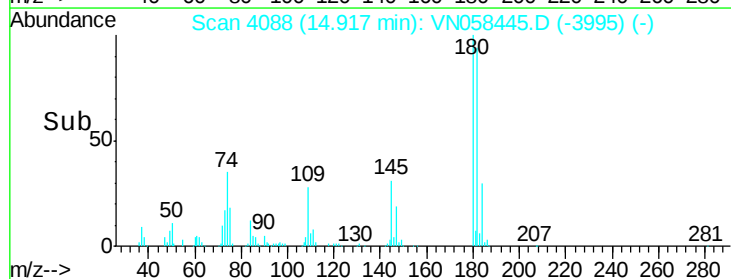
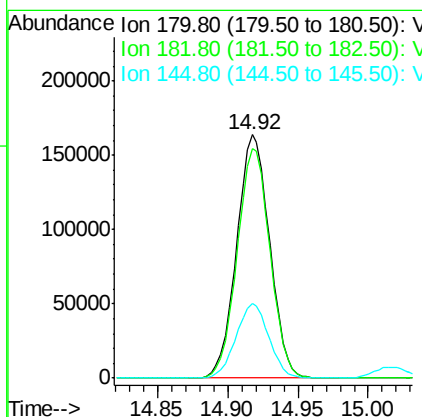
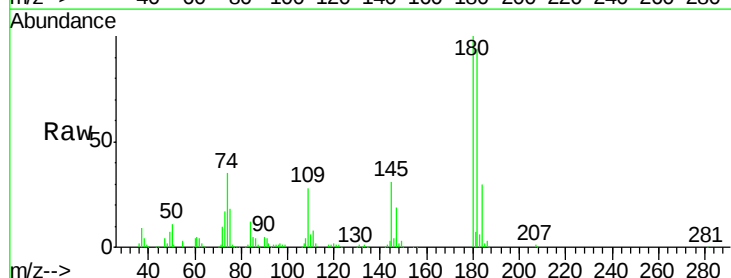
Manual Integrations
 APPROVED

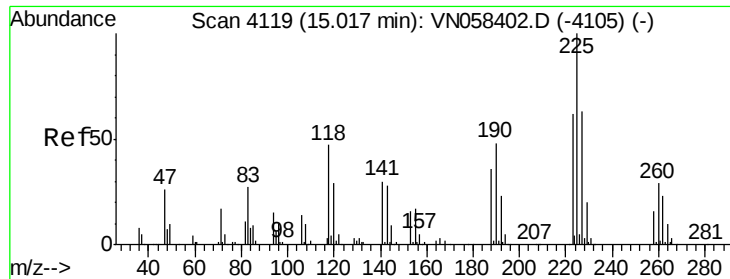
MMDadoda
 10/2/2019 9:22:26 AM



#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	Ratio	Lower	Upper
180	100		
182	94.2	47.4	142.3
145	30.5	15.3	45.9





#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

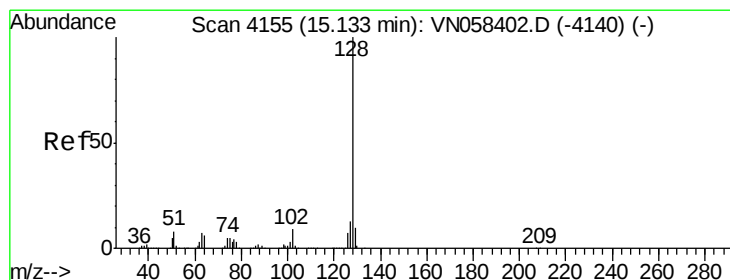
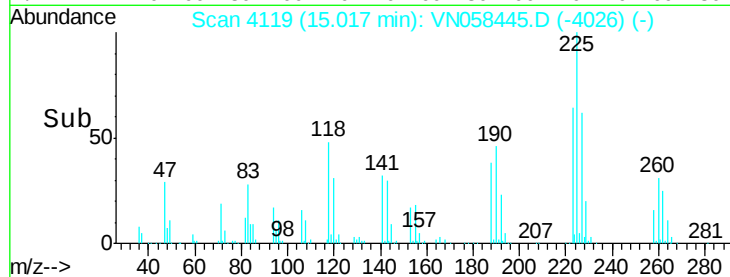
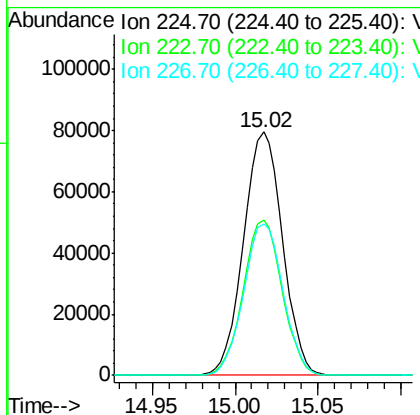
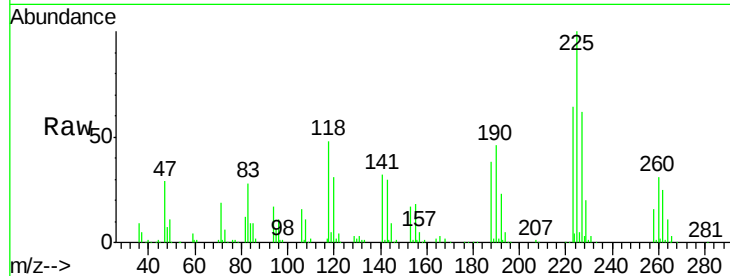
ClientSampleId :

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

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:26 AM



#95

Naphthalene

Concen: 47.979 ug/l

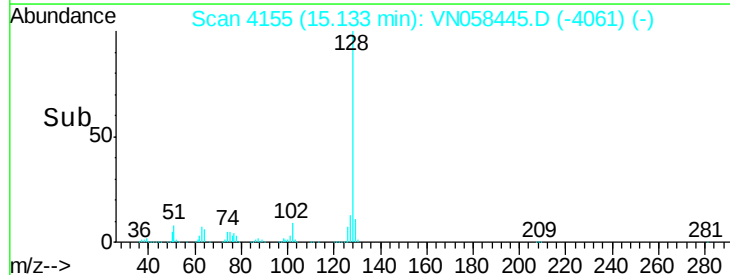
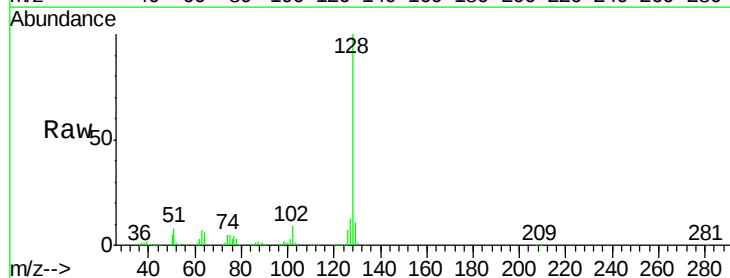
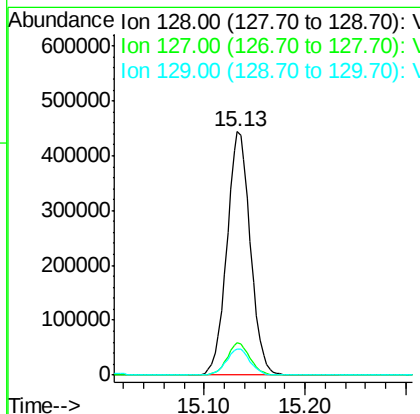
RT: 15.13 min Scan# 4155

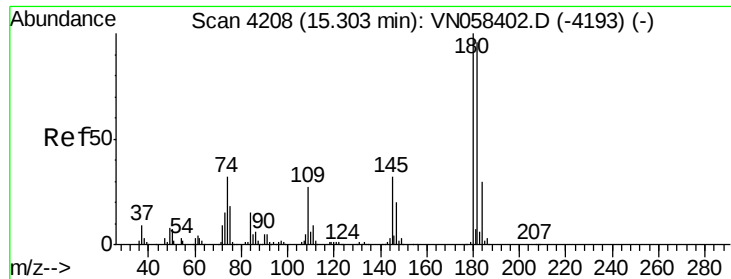
Delta R.T. 0.00 min

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





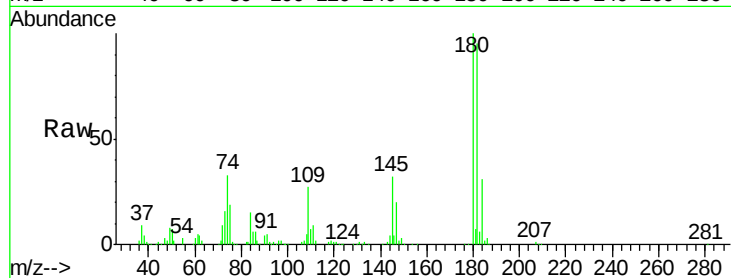
#96
 1,2,3-Trichlorobenzene
 Concen: 48.826 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058445.D
 Acq: 30 Sep 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.6	48.3	144.9
145	32.8	16.1	48.3

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:22:26 AM



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

