

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081319\
 Data File : VN057254.D
 Acq On : 13 Aug 2019 18:36
 Operator : JC/SP
 Sample : VN0813WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:58:25 AM

Quant Time: Aug 14 11:16:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 06:25:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1258110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1853581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1652060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	589928	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	622544	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.10%	
35) Dibromofluoromethane	7.58	113	557740	47.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.24%	
50) Toluene-d8	10.09	98	2126899	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.40	95	668953	45.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	200549	18.910	ug/l	98
3) Chloromethane	2.05	50	232327	19.323	ug/l	99
4) Vinyl Chloride	2.18	62	228676	19.580	ug/l	100
5) Bromomethane	2.54	94	173238m	21.046	ug/l	
6) Chloroethane	2.69	64	155435	20.655	ug/l	98
7) Trichlorofluoromethane	3.02	101	352809	19.200	ug/l	99
8) Diethyl Ether	3.41	74	129635	19.468	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	216336	19.606	ug/l	99
10) Methyl Iodide	3.95	142	331602	19.346	ug/l	99
11) Tert butyl alcohol	4.76	59	170521	99.770	ug/l #	83
12) 1,1-Dichloroethene	3.73	96	216987	19.820	ug/l	98
13) Acrolein	3.60	56	116091	94.939	ug/l	98
14) Allyl chloride	4.32	41	322787	19.436	ug/l	100
15) Acrylonitrile	4.97	53	488149	101.379	ug/l	100
16) Acetone	3.81	43	381020	87.567	ug/l	99
17) Carbon Disulfide	4.05	76	559554	18.698	ug/l	99
18) Methyl Acetate	4.31	43	236114	20.360	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	643637	19.689	ug/l	99
20) Methylene Chloride	4.54	84	242978	19.116	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	229346	19.652	ug/l	99
22) Diisopropyl ether	5.94	45	649715	19.897	ug/l	100
23) Vinyl Acetate	5.88	43	2598173	100.410	ug/l	100
24) 1,1-Dichloroethane	5.84	63	395482	19.224	ug/l	98
25) 2-Butanone	6.82	43	603405	97.539	ug/l	99
26) 2,2-Dichloropropane	6.81	77	302453	17.919	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	260745	19.375	ug/l	100
28) Bromochloromethane	7.19	49	180644	19.899	ug/l	100
29) Tetrahydrofuran	7.20	42	400368	101.238	ug/l	99
30) Chloroform	7.36	83	413897	19.260	ug/l	98
31) Cyclohexane	7.65	56	350030	19.468	ug/l	93
32) 1,1,1-Trichloroethane	7.56	97	356528	19.613	ug/l	100
36) 1,1-Dichloropropene	7.79	75	306856	18.935	ug/l	99
37) Ethyl Acetate	6.91	43	264547	20.310	ug/l	97
38) Carbon Tetrachloride	7.77	117	320515	18.619	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081319\
 Data File : VN057254.D
 Acq On : 13 Aug 2019 18:36
 Operator : JC/SP
 Sample : VN0813WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:58:25 AM

Quant Time: Aug 14 11:16:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 06:25:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	364659	19.006	ug/l	99
40) Benzene	8.04	78	949494	19.286	ug/l	99
41) Methacrylonitrile	7.16	41	115011m	21.456	ug/l	
42) 1,2-Dichloroethane	8.12	62	304531	19.303	ug/l	100
43) Isopropyl Acetate	8.16	43	427015	19.906	ug/l	100
44) Trichloroethene	8.83	130	269216	18.864	ug/l	98
45) 1,2-Dichloropropane	9.11	63	245142	19.655	ug/l	98
46) Dibromomethane	9.20	93	161628	19.220	ug/l	98
47) Bromodichloromethane	9.40	83	315469	19.457	ug/l	99
48) Methyl methacrylate	9.19	41	204553	20.608	ug/l	98
49) 1,4-Dioxane	9.19	88	88453	395.435	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1264191	100.361	ug/l	100
52) Toluene	10.15	92	597134	19.523	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	338318	19.508	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	376884	19.283	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	232101	19.414	ug/l	99
56) Ethyl methacrylate	10.43	69	332062	19.798	ug/l	99
57) 1,3-Dichloropropane	10.71	76	383863	19.461	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	383264	92.276	ug/l	100
59) 2-Hexanone	10.75	43	877537	98.187	ug/l	99
60) Dibromochloromethane	10.90	129	254259	18.965	ug/l	97
61) 1,2-Dibromoethane	11.00	107	246856	19.889	ug/l	99
64) Tetrachloroethene	10.63	164	283595	19.435	ug/l	96
65) Chlorobenzene	11.43	112	637765	18.866	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	251185	19.241	ug/l	100
67) Ethyl Benzene	11.51	91	1107429	19.189	ug/l	99
68) m/p-Xylenes	11.62	106	825676	38.345	ug/l	99
69) o-Xylene	11.95	106	402466	19.089	ug/l	100
70) Styrene	11.96	104	631352	19.342	ug/l	99
71) Bromoform	12.13	173	192479	19.242	ug/l #	100
73) Isopropylbenzene	12.25	105	1093779	22.431	ug/l	99
74) N-amyl acetate	12.07	43	305874	21.459	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	308609	22.816	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	254413m	22.758	ug/l	
77) Bromobenzene	12.53	156	286051	22.001	ug/l	96
78) n-propylbenzene	12.59	91	1071951	20.980	ug/l	100
79) 2-Chlorotoluene	12.67	91	684864	21.625	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	888568	21.799	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	89966	20.484	ug/l	99
82) 4-Chlorotoluene	12.77	91	627222	19.495	ug/l	99
83) tert-Butylbenzene	12.99	119	790616	21.525	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	818174	19.695	ug/l	100
85) sec-Butylbenzene	13.17	105	938661	20.744	ug/l	99
86) p-Isopropyltoluene	13.29	119	816698	18.827	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	390541	19.110	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	366513	18.439	ug/l	100
89) n-Butylbenzene	13.62	91	601419	19.766	ug/l	99
90) Hexachloroethane	13.88	117	160999	21.274	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	382519	19.197	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38613	19.595	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081319\
Data File : VN057254.D
Acq On : 13 Aug 2019 18:36
Operator : JC/SP
Sample : VN0813WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:25 AM

Quant Time: Aug 14 11:16:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 14 06:25:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	95743	14.775	ug/l	98
94) Hexachlorobutadiene	15.01	225	170302	20.003	ug/l	99
95) Naphthalene	15.13	128	180197	17.760	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	96390	16.884	ug/l	95

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

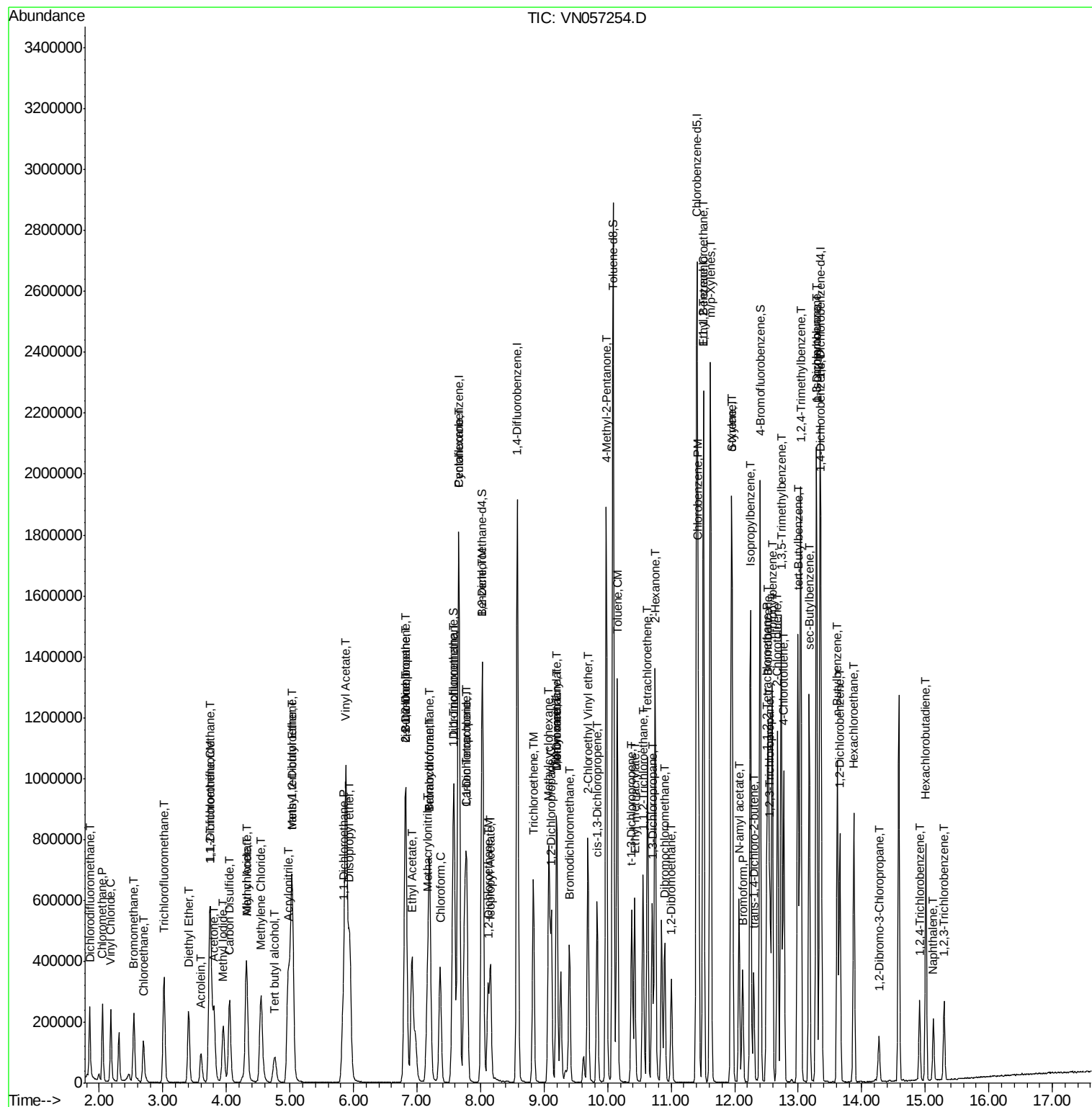
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081319\
 Data File : VN057254.D
 Acq On : 13 Aug 2019 18:36
 Operator : JC/SP
 Sample : VN0813WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

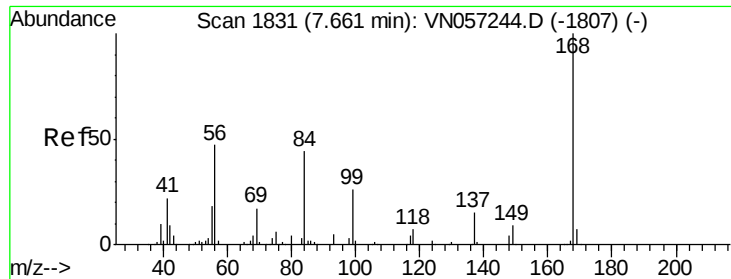
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0813WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:58:25 AM

Quant Time: Aug 14 11:16:34 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 06:25:03 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion:168 Resp: 1258110

Ion Ratio Lower Upper

168 100

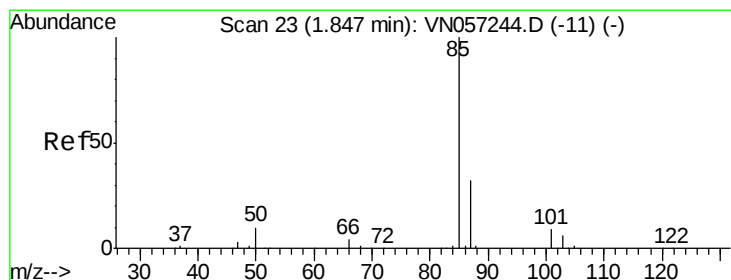
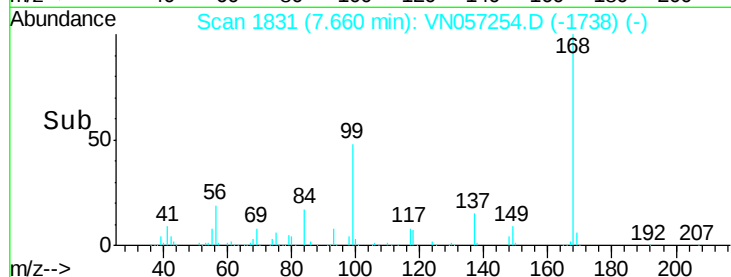
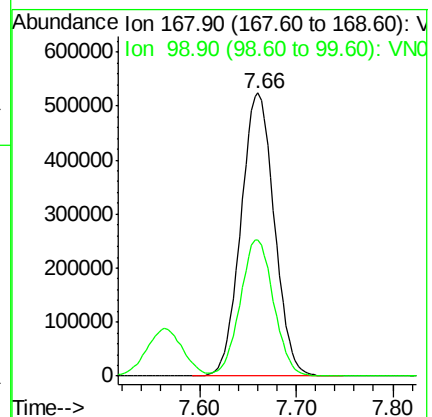
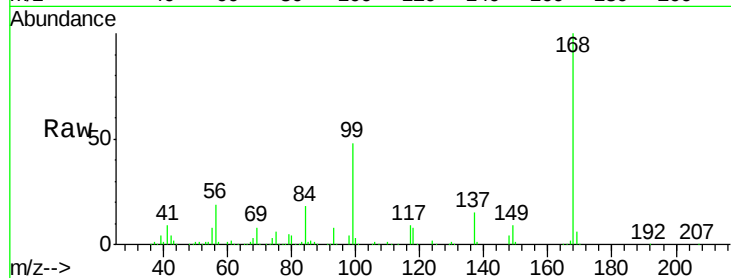
99 48.2 38.6 58.0

Manual Integrations

APPROVED

MMDadoda

8/16/2019 8:58:25 AM



#2

Dichlorodifluoromethane

Concen: 18.910 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057254.D

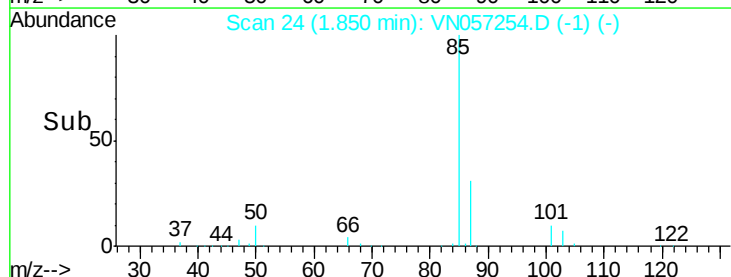
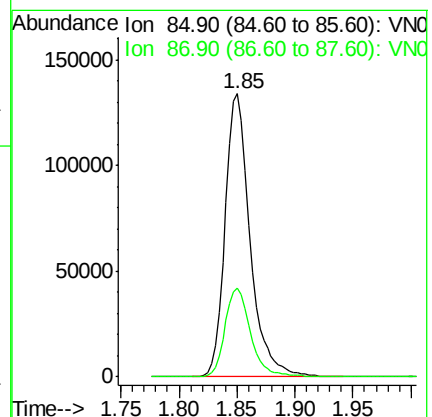
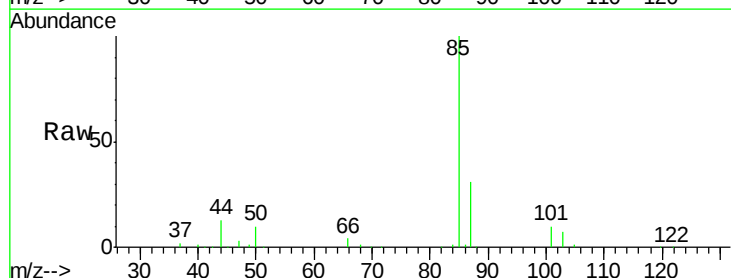
Acq: 13 Aug 2019 18:36

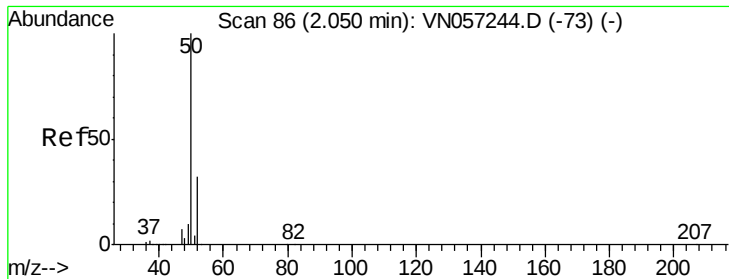
Tgt Ion: 85 Resp: 200549

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.6





#3

Chloromethane

Concen: 19.323 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampled :

VN0813WBSD01

Tot Ion: 50 Resp: 232327

Ion Ratio Lower Upper

50 100

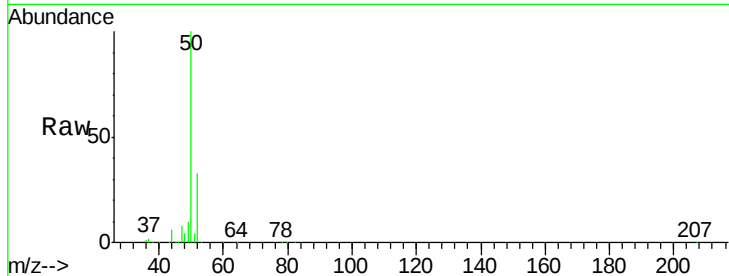
52 32.6 25.6 38.4

Manual Integrations

APPROVED

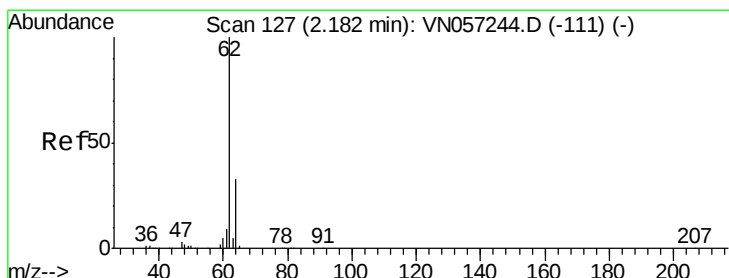
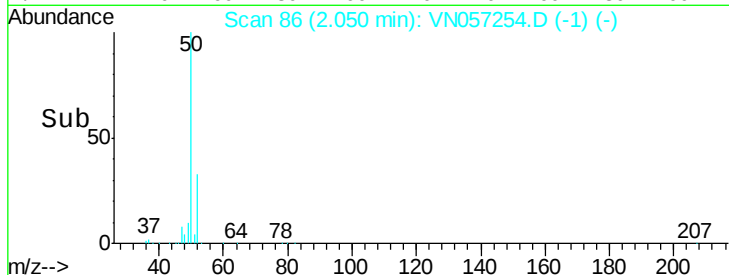
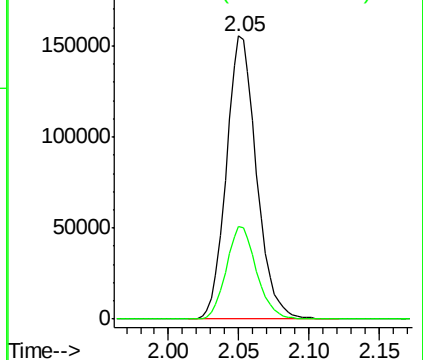
MMDadoda

8/16/2019 8:58:25 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.580 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057254.D

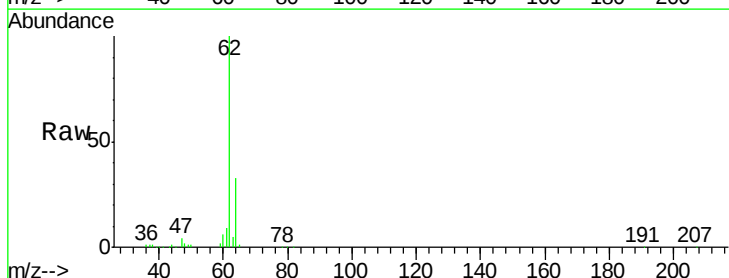
Acq: 13 Aug 2019 18:36

Tgt Ion: 62 Resp: 228676

Ion Ratio Lower Upper

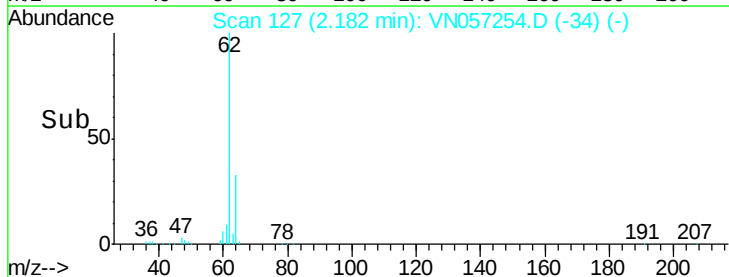
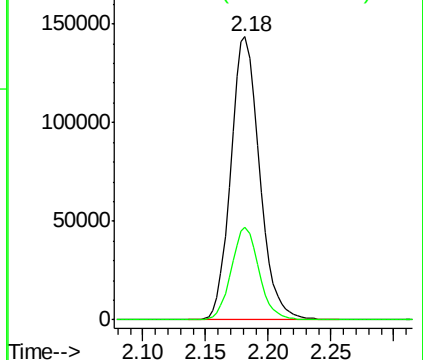
62 100

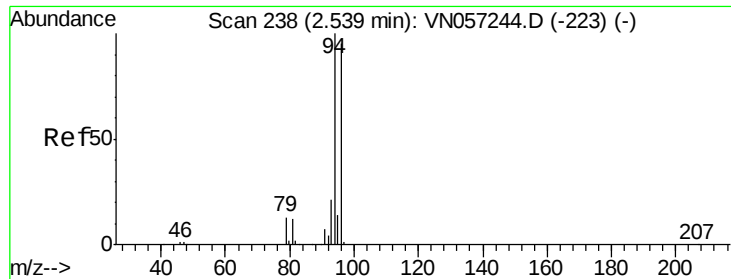
64 32.9 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 21.046 ug/l m

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 94 Resp: 173238

Ion Ratio Lower Upper

94 100

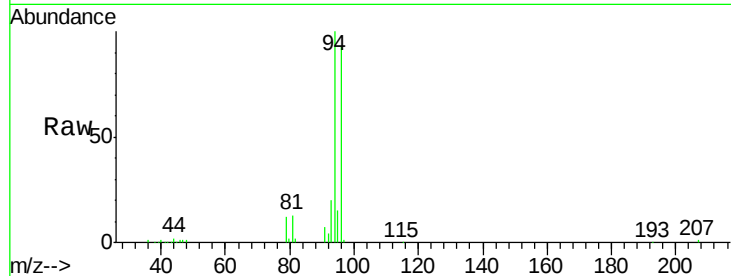
96 93.1 75.7 113.5

Manual Integrations

APPROVED

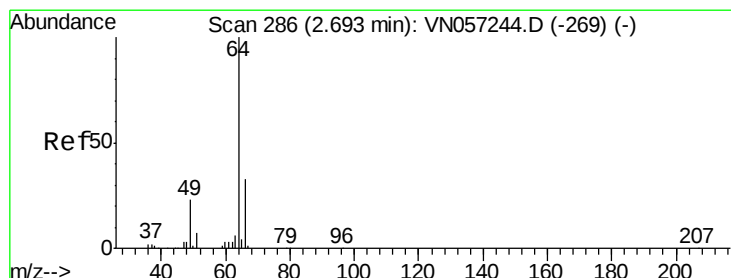
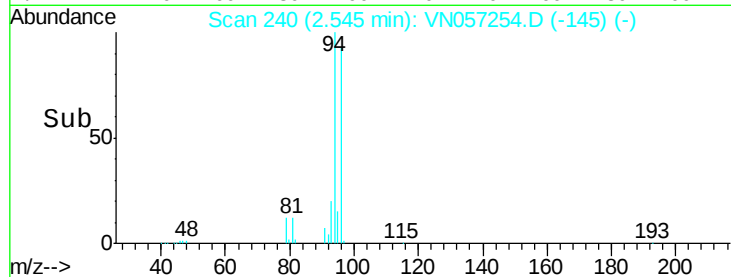
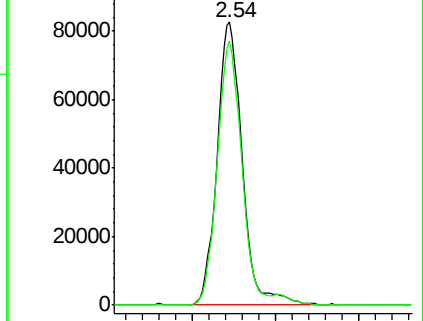
MMDadoda

8/16/2019 8:58:25 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.655 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.00 min

Lab File: VN057254.D

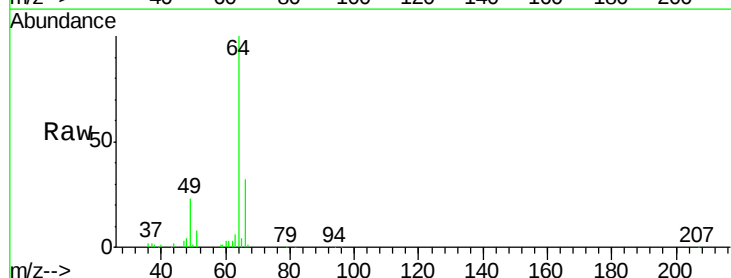
Acq: 13 Aug 2019 18:36

Tgt Ion: 64 Resp: 155435

Ion Ratio Lower Upper

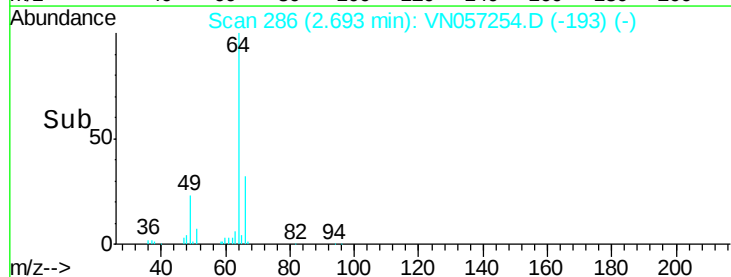
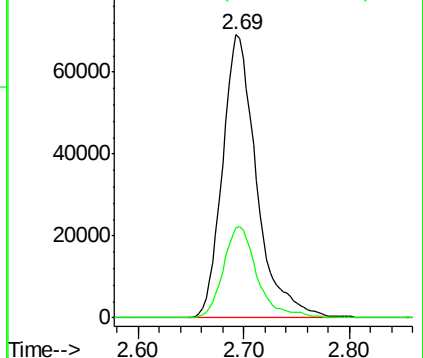
64 100

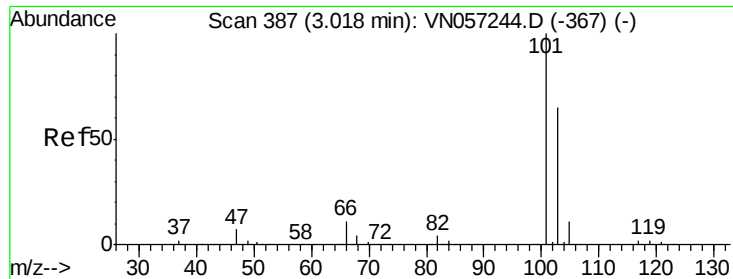
66 31.7 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

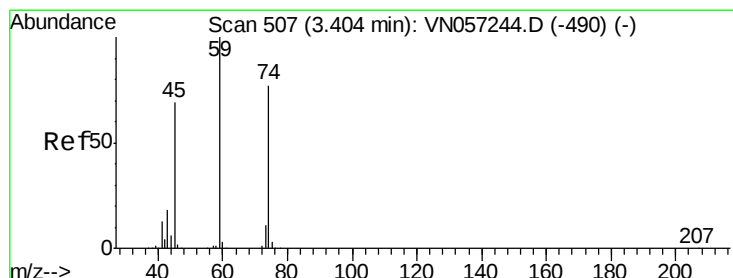
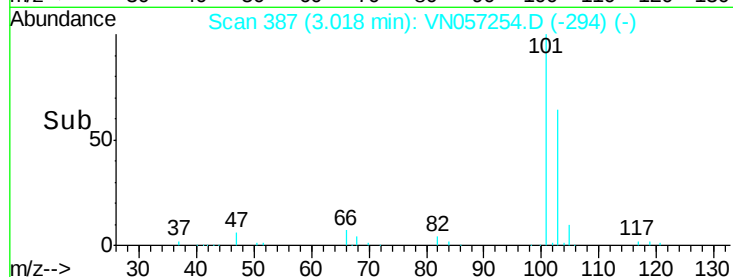
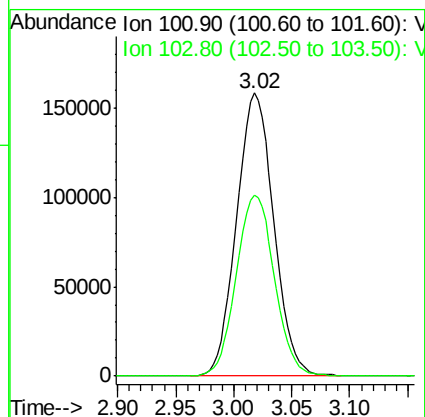
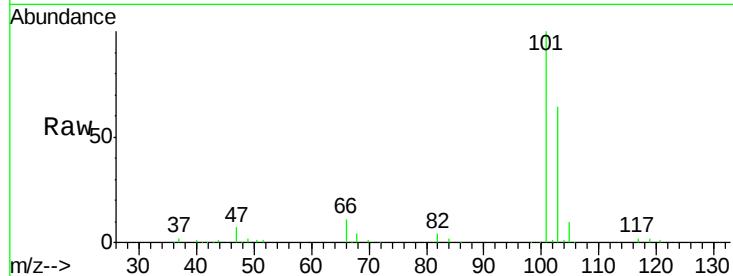
Trichlorofluoromethane
Concen: 19.200 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion:101 Resp: 352809
Ion Ratio Lower Upper
101 100
103 64.0 51.8 77.6

Manual Integrations
APPROVED

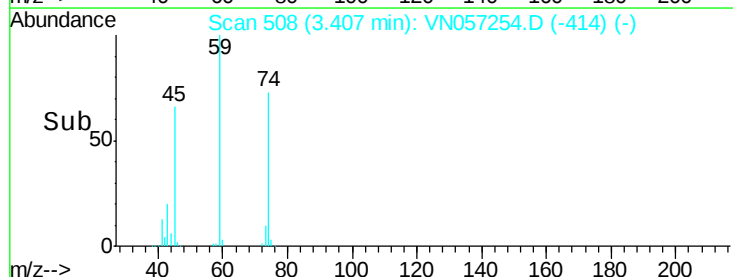
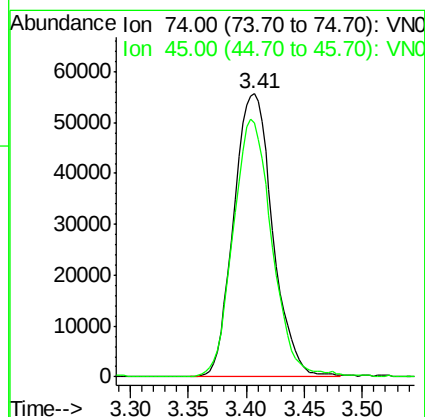
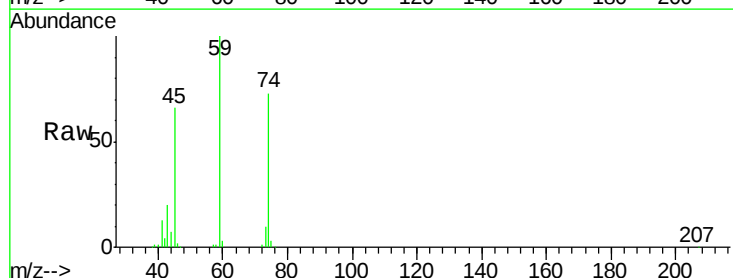
MMDadoda
8/16/2019 8:58:25 AM

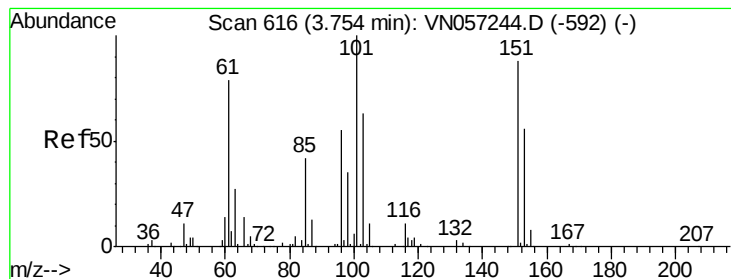


#8

Diethyl Ether
Concen: 19.468 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion: 74 Resp: 129635
Ion Ratio Lower Upper
74 100
45 90.9 45.1 135.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.606 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

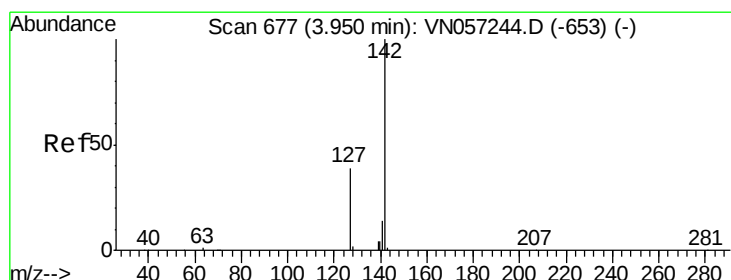
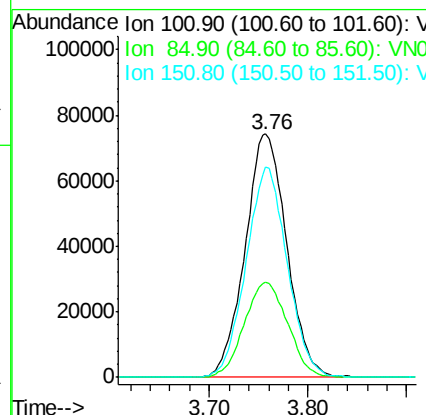
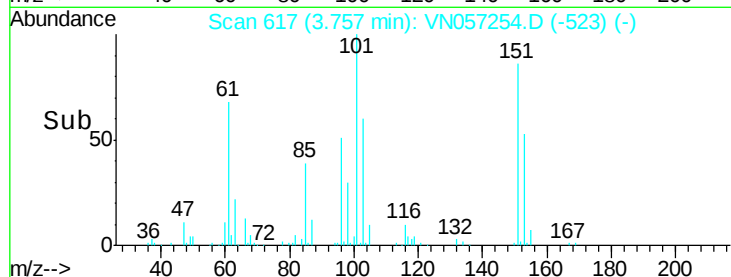
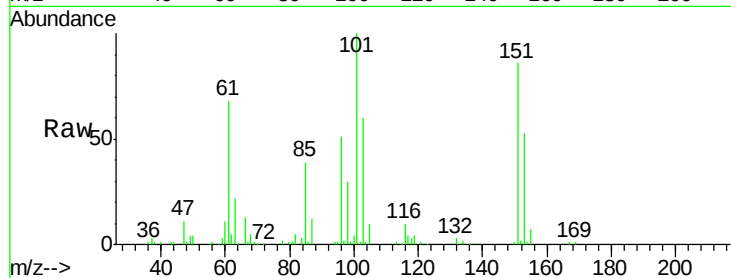
ClientSampleId :

VN0813WBSD01

Tot Ion:	101	Resp:	216336
Ion Ratio	Lower	Upper	
101	100		
85	40.7	32.7	49.1
151	85.7	70.1	105.1

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:25 AM



#10

Methyl Iodide

Concen: 19.346 ug/l

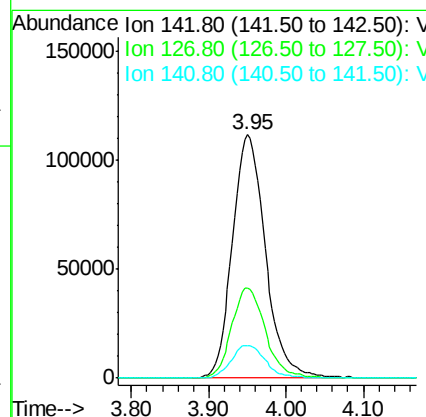
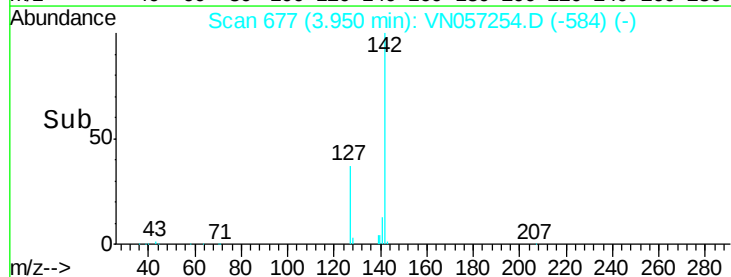
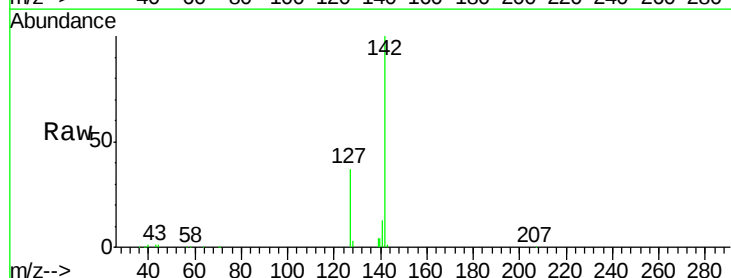
RT: 3.95 min Scan# 677

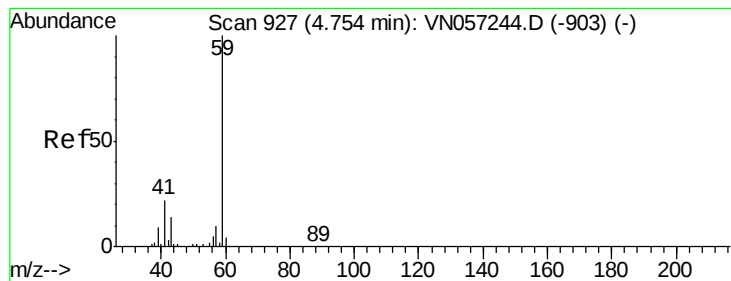
Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Tgt Ion:	142	Resp:	331602
Ion Ratio	Lower	Upper	
142	100		
127	37.8	30.7	46.1
141	13.9	11.0	16.6





#11

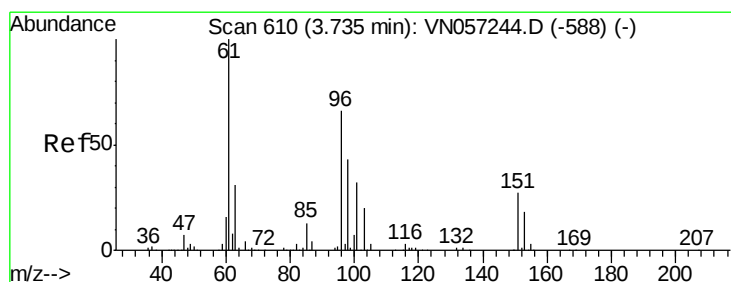
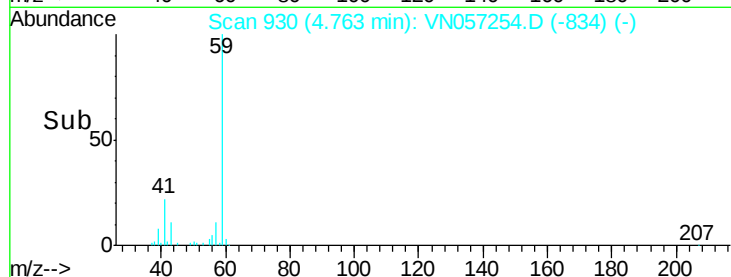
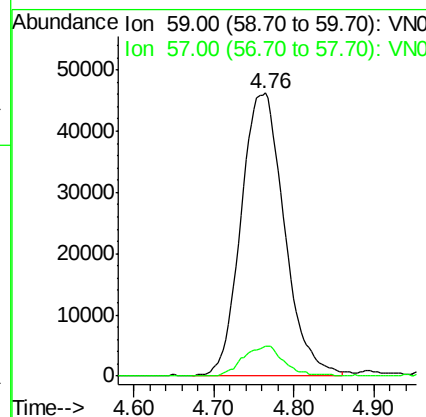
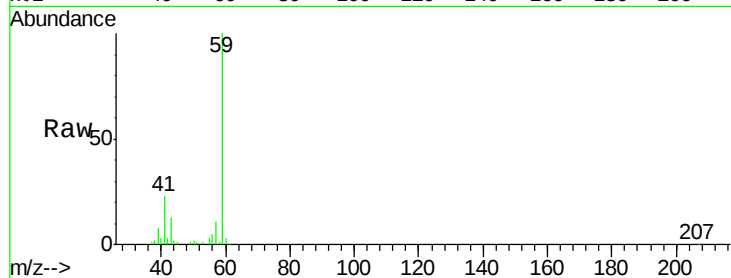
Tert butyl alcohol
 Concen: 99.770 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	170521		
57	9.8		3.4	5.2#

Manual Integrations
 APPROVED

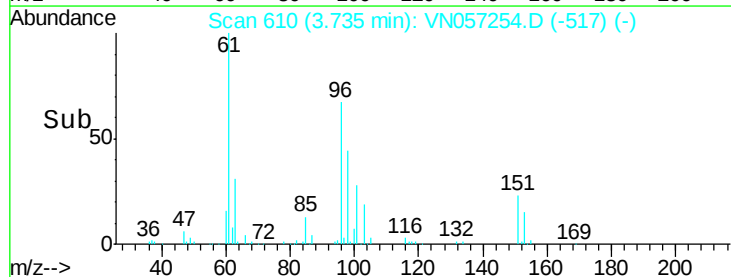
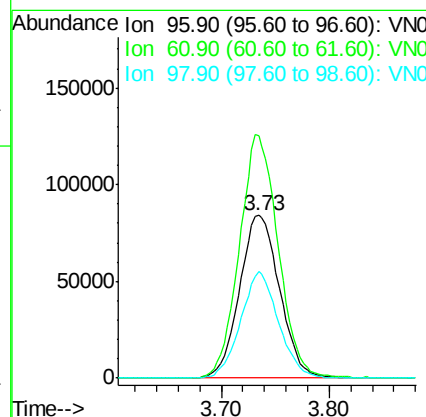
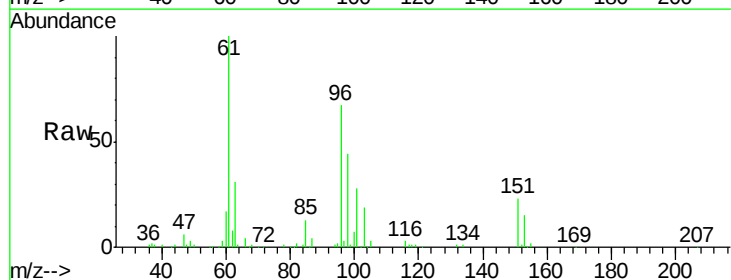
MMDadoda
 8/16/2019 8:58:25 AM

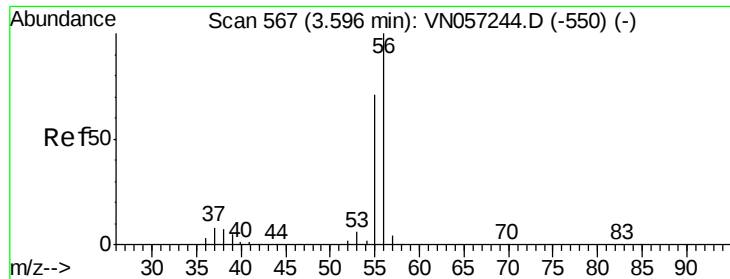


#12

1,1-Dichloroethene
 Concen: 19.820 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	216987		
61	148.9		121.1	181.7
98	66.0		52.0	78.0





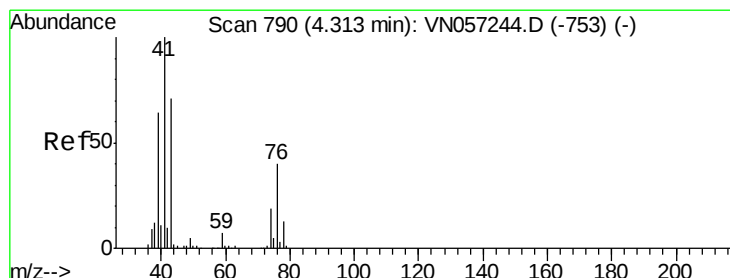
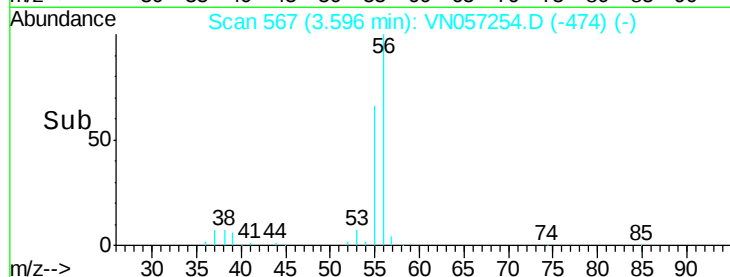
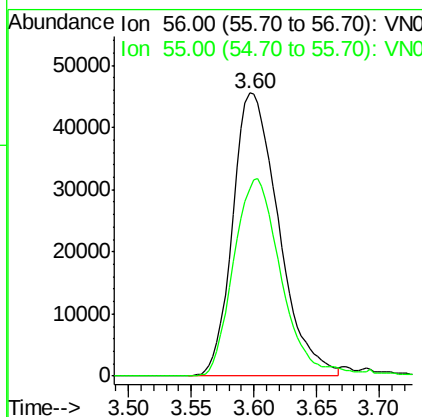
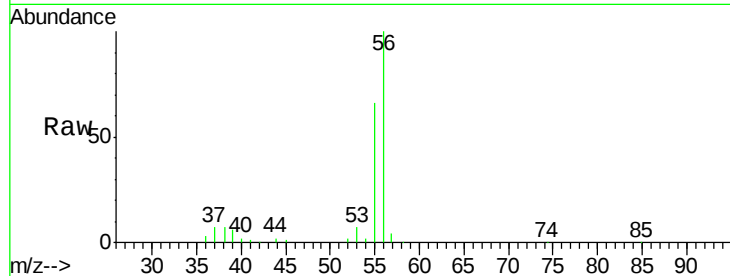
#13
 Acrolein
 Concen: 94.939 ug/l
 RT: 3.60 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	72.0	56.6	84.8	

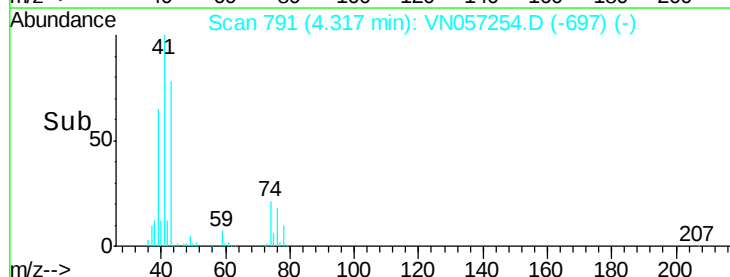
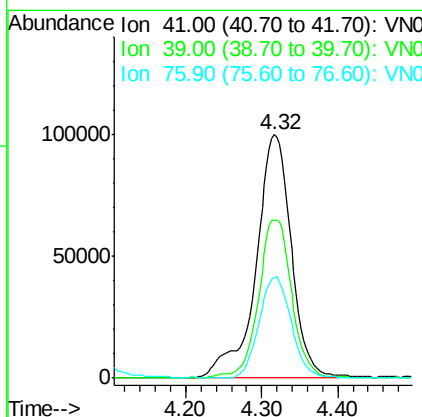
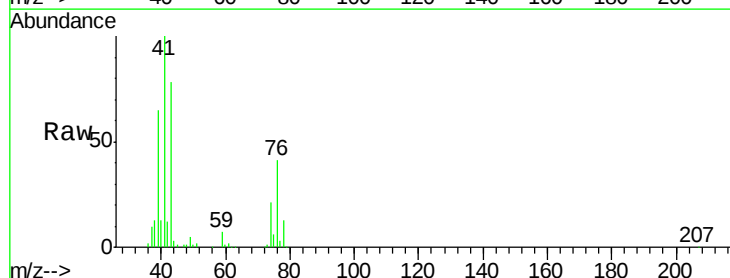
Manual Integrations
 APPROVED

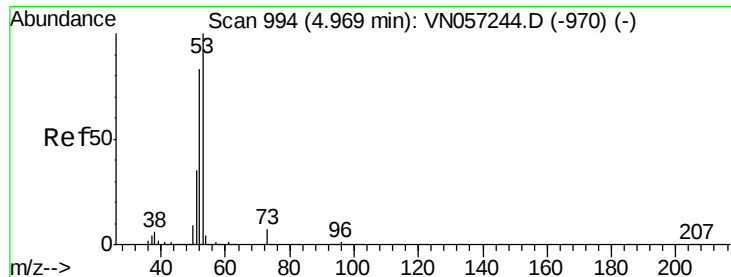
MMDadoda
 8/16/2019 8:58:25 AM



#14
 Allyl chloride
 Concen: 19.436 ug/l
 RT: 4.32 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.7	48.5	72.7	
76	37.9	29.8	44.8	





#15

Acrylonitrile

Concen: 101.379 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

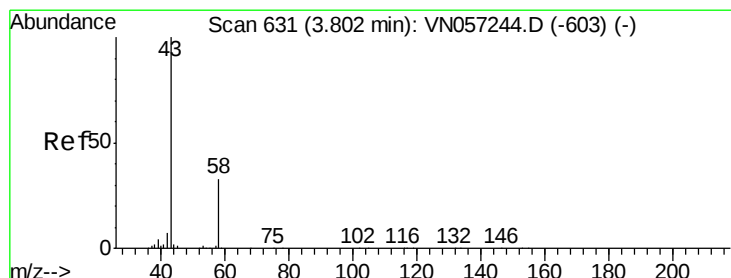
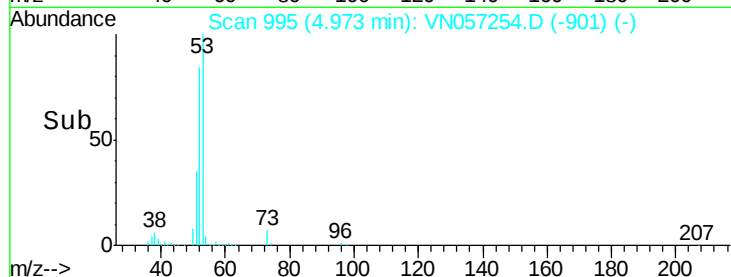
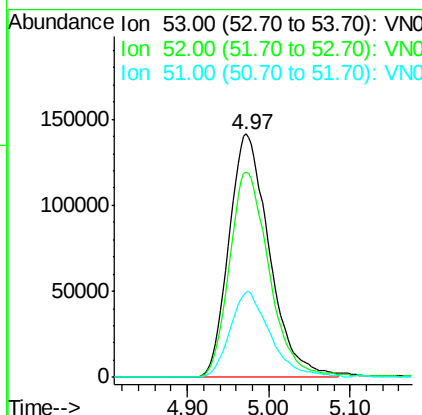
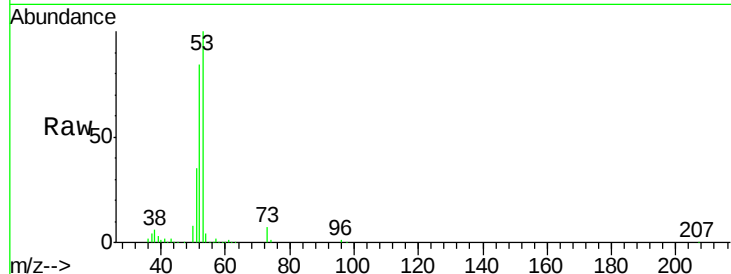
ClientSampleId :

VN0813WBSD01

Tot Ion:	53	Resp:	488149
Ion Ratio		Lower	Upper
53	100		
52	82.8	65.9	98.9
51	35.1	27.8	41.6

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:25 AM



#16

Acetone

Concen: 87.567 ug/l

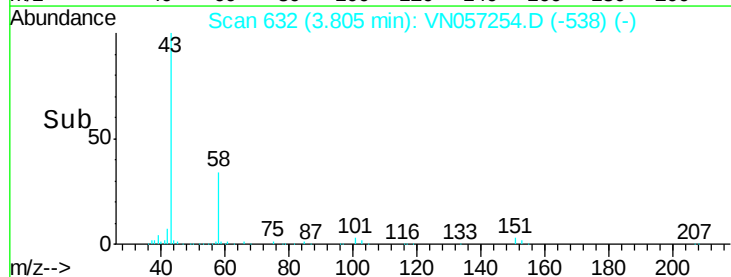
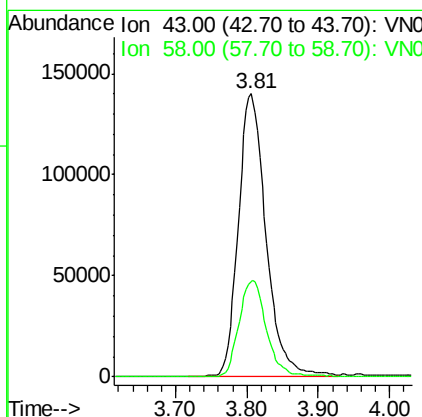
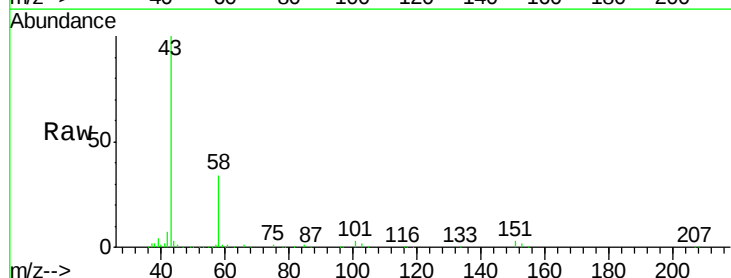
RT: 3.81 min Scan# 632

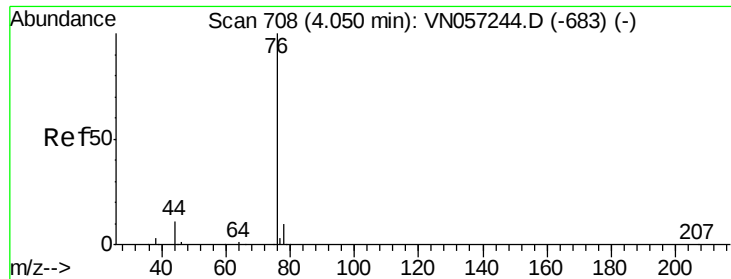
Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Tgt Ion:	43	Resp:	381020
Ion Ratio		Lower	Upper
43	100		
58	33.8	26.7	40.1





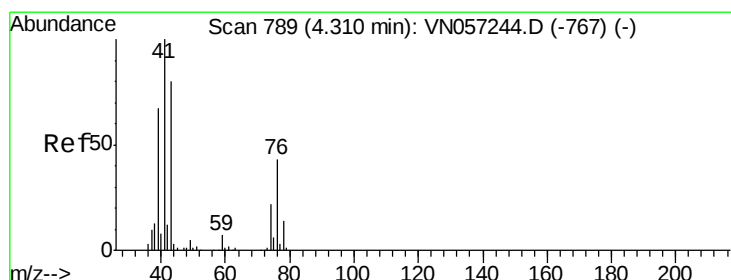
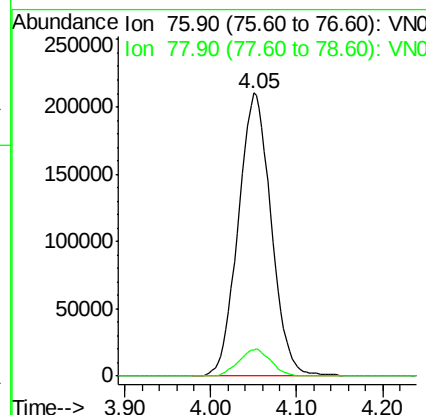
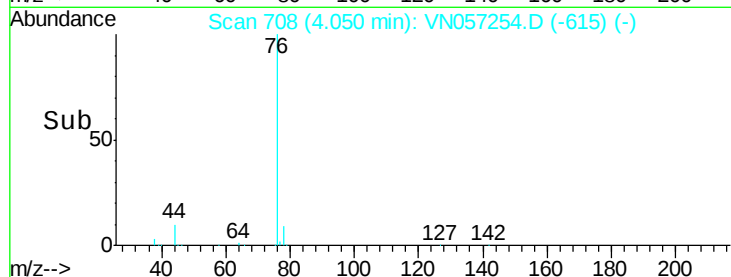
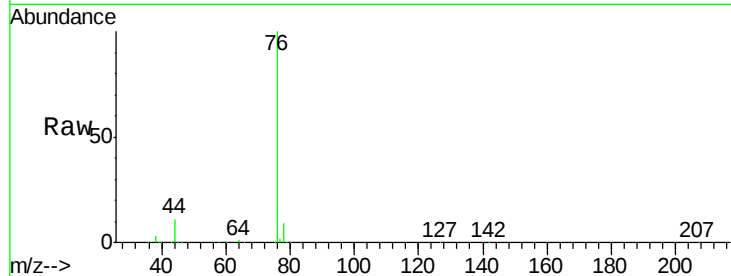
#17
Carbon Disulfide
Concen: 18.698 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.7	11.5

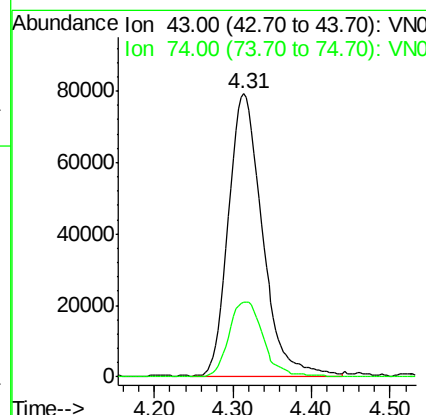
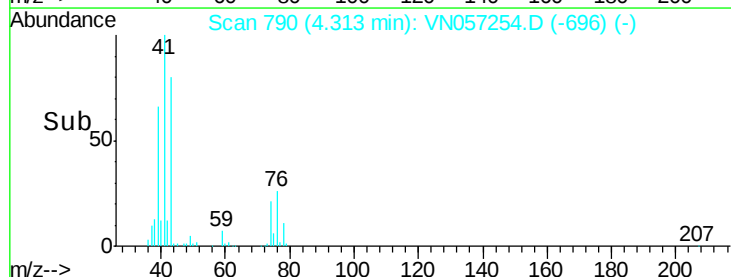
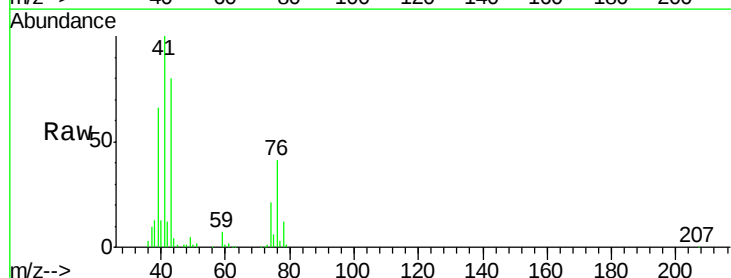
Manual Integrations
APPROVED

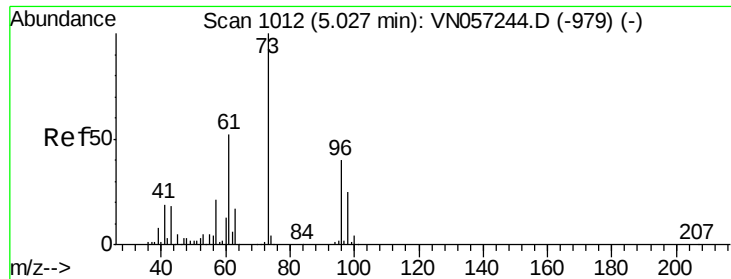
MMDadoda
8/16/2019 8:58:25 AM



#18
Methyl Acetate
Concen: 20.360 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.0	20.6	31.0





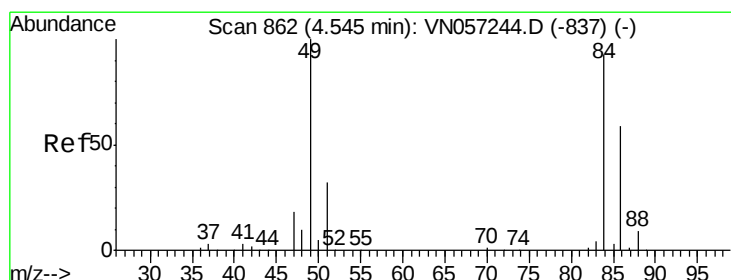
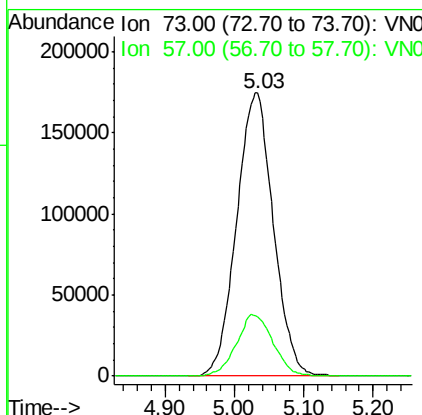
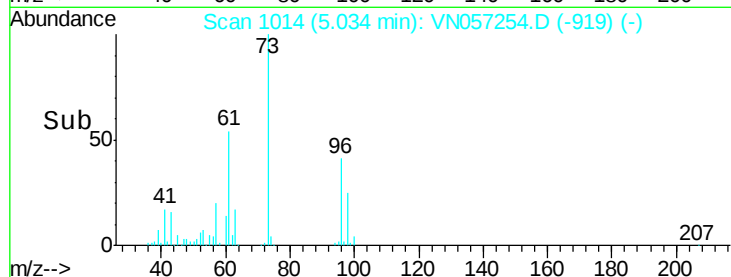
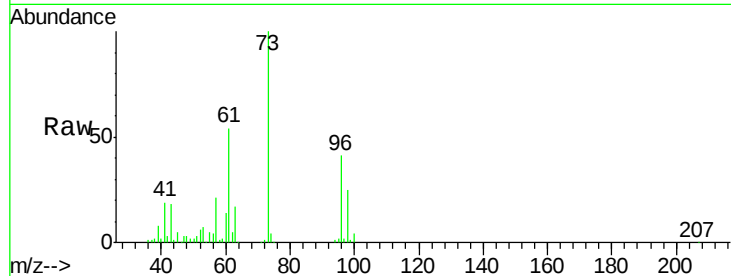
#19
Methvl tert-butvl Ether
Concen: 19.689 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion: 73 Resp: 643637
Ion Ratio Lower Upper
73 100
57 21.0 17.1 25.7

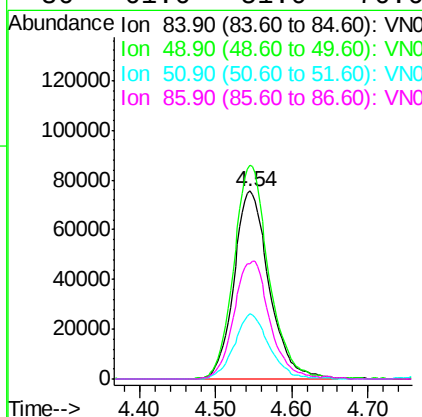
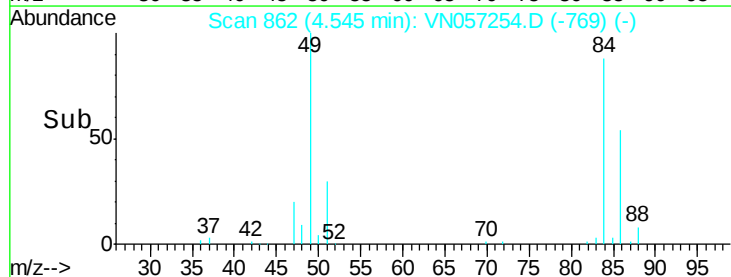
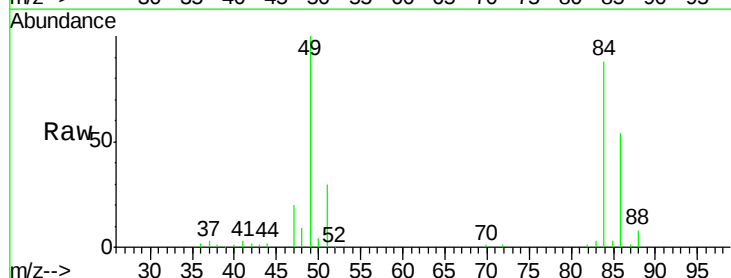
Manual Integrations
APPROVED

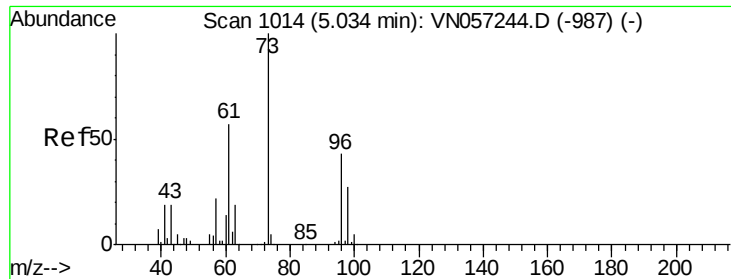
MMDadoda
8/16/2019 8:58:25 AM



#20
Methylene Chloride
Concen: 19.116 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion: 84 Resp: 242978
Ion Ratio Lower Upper
84 100
49 113.7 85.9 128.9
51 34.6 27.1 40.7
86 61.6 51.0 76.6





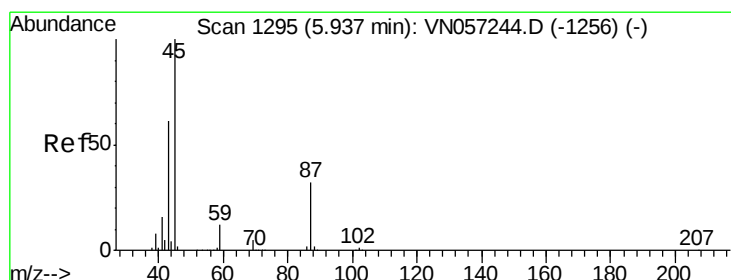
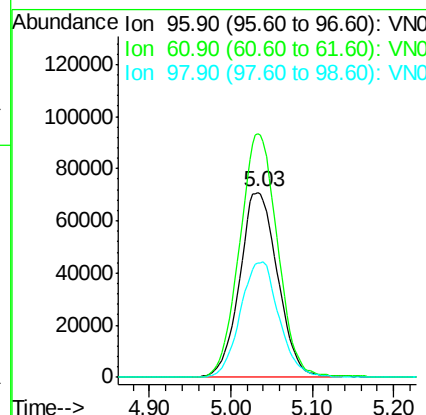
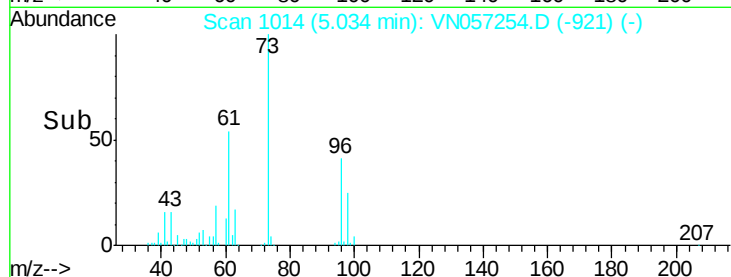
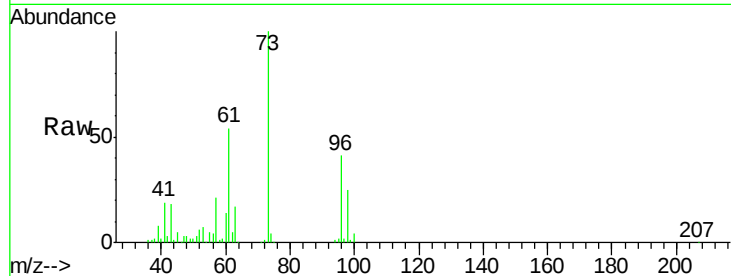
#21
trans-1,2-Dichloroethene
Concen: 19.652 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.7	104.6	156.8
98	61.6	49.7	74.5

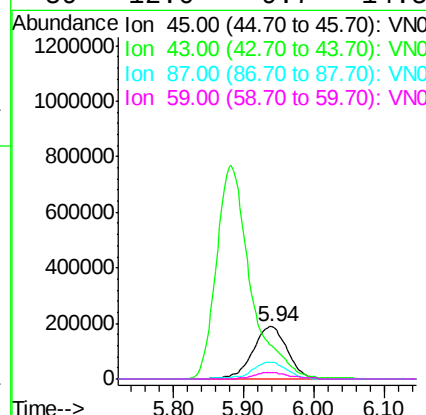
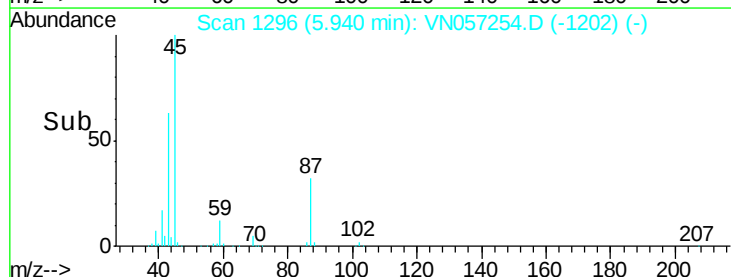
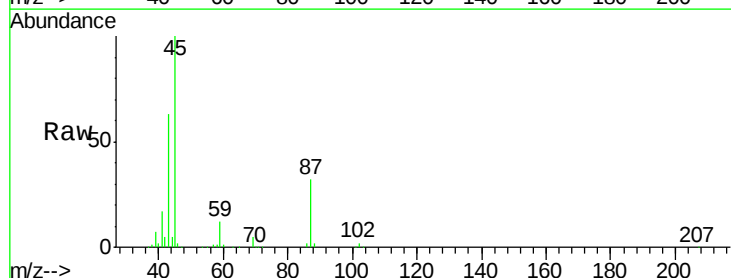
Manual Integrations
APPROVED

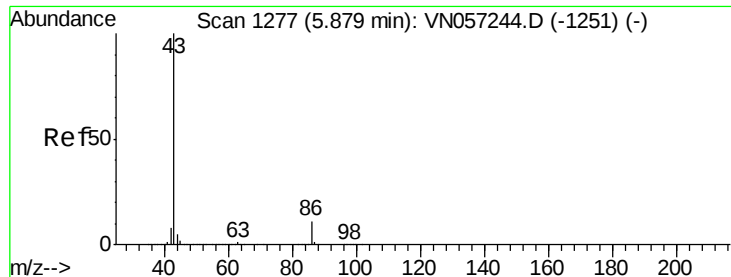
MMDadoda
8/16/2019 8:58:25 AM



#22
Diisopropyl ether
Concen: 19.897 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.2	48.9	73.3
87	32.1	25.5	38.3
59	12.0	9.7	14.5





#23

Vinyl Acetate

Concen: 100.410 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Tot Ion: 43 Resp: 2598173

Ion Ratio Lower Upper

43 100

86 11.6 9.2 13.8

Instrument :

MSVOA_N

ClientSampleId :

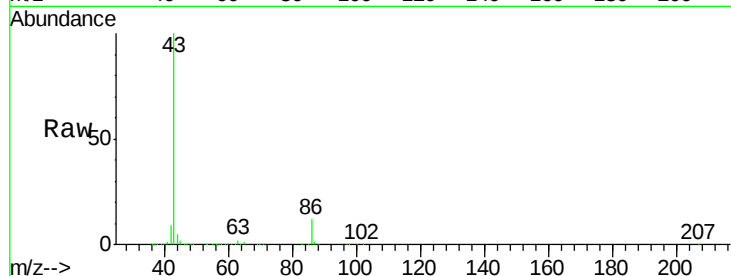
VN0813WBSD01

Manual Integrations

APPROVED

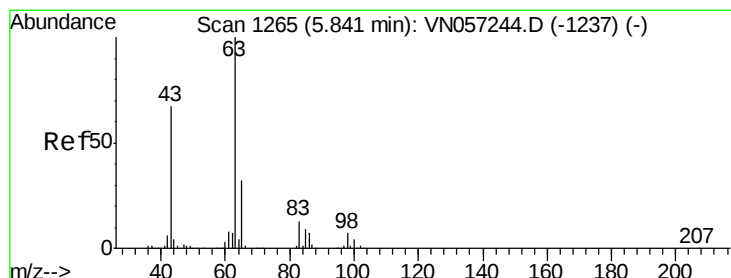
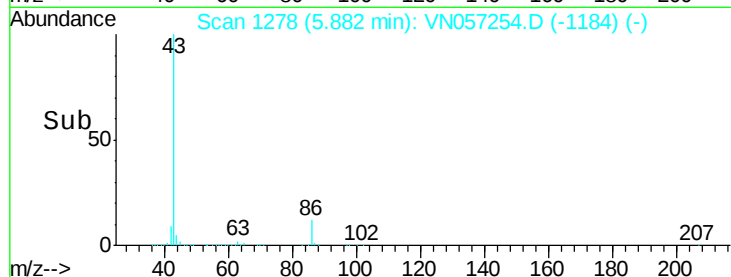
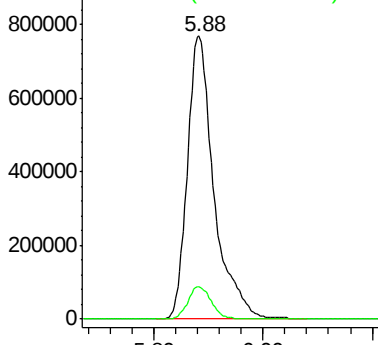
MMDadoda

8/16/2019 8:58:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.224 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

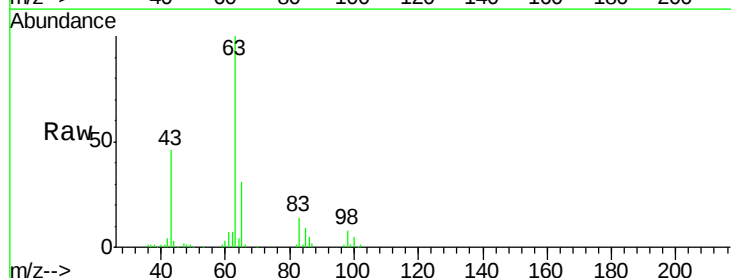
Tgt Ion: 63 Resp: 395482

Ion Ratio Lower Upper

63 100

98 7.6 3.3 9.9

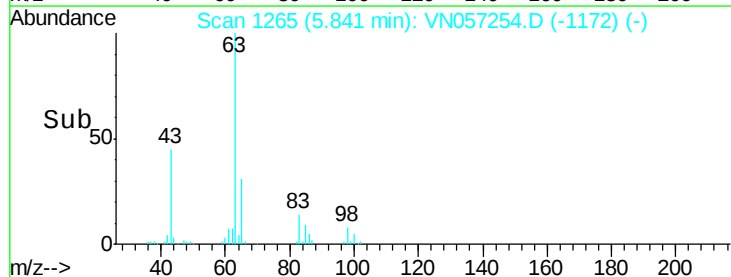
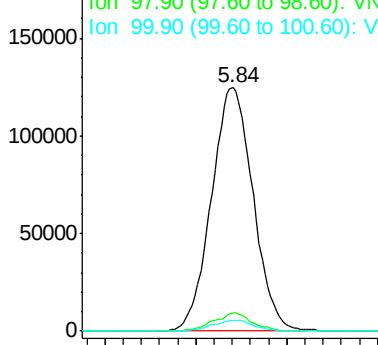
100 4.5 2.1 6.2

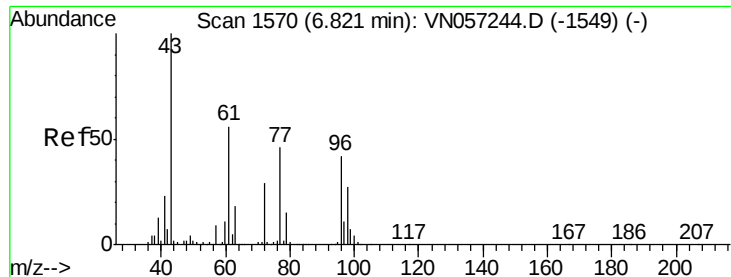


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 97.539 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 43 Resp: 603405

Ion Ratio Lower Upper

43 100

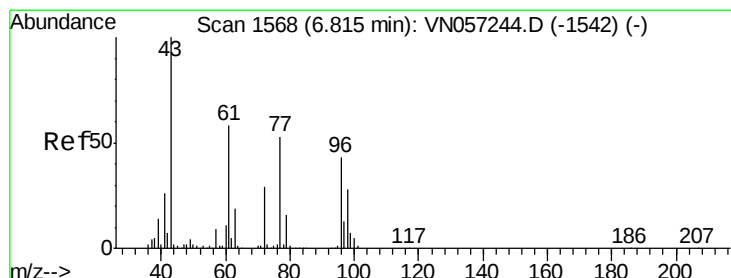
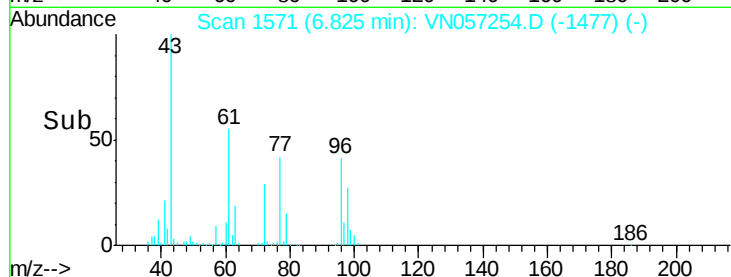
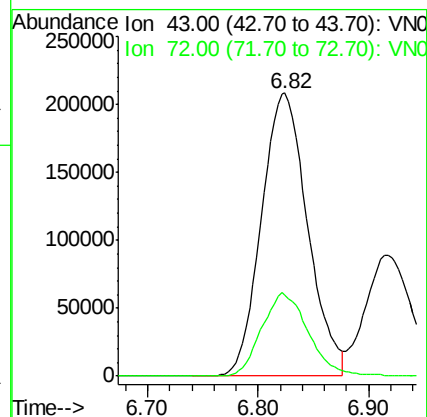
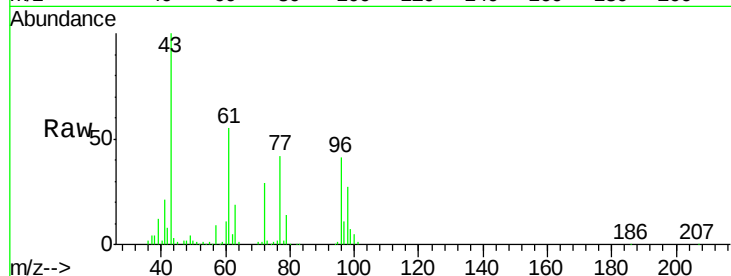
72 28.6 23.1 34.7

Manual Integrations

APPROVED

MMDadoda

8/16/2019 8:58:25 AM



#26

2,2-Dichloropropane

Concen: 17.919 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN057254.D

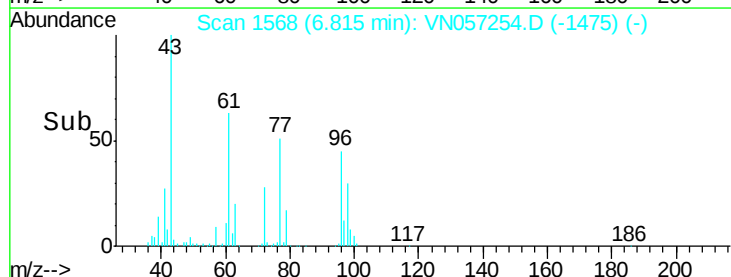
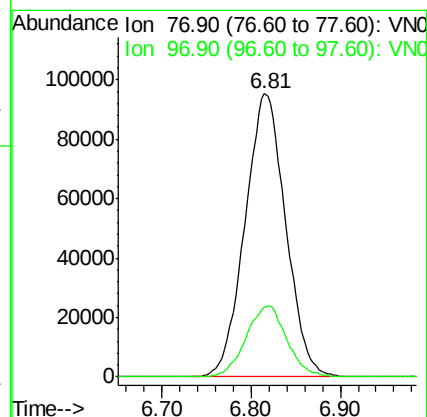
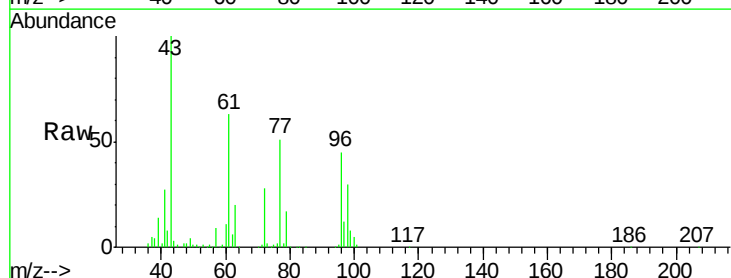
Acq: 13 Aug 2019 18:36

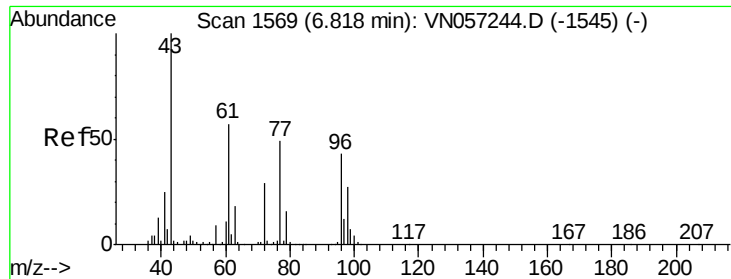
Tgt Ion: 77 Resp: 302453

Ion Ratio Lower Upper

77 100

97 25.1 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 19.375 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN057254.D

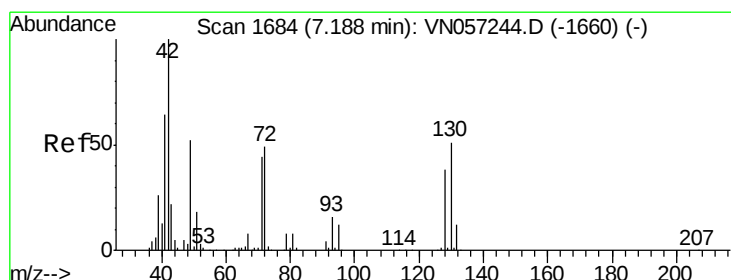
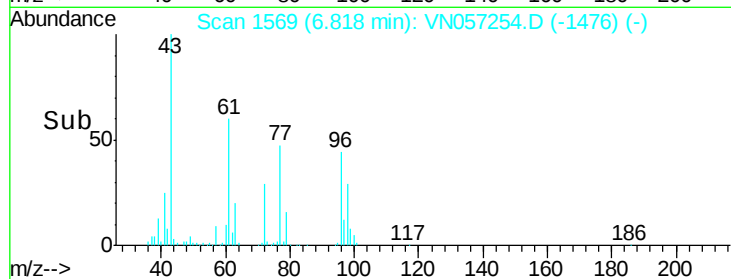
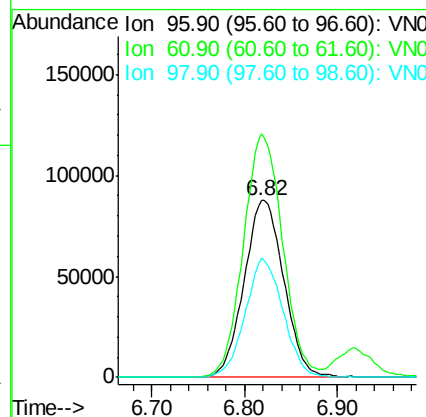
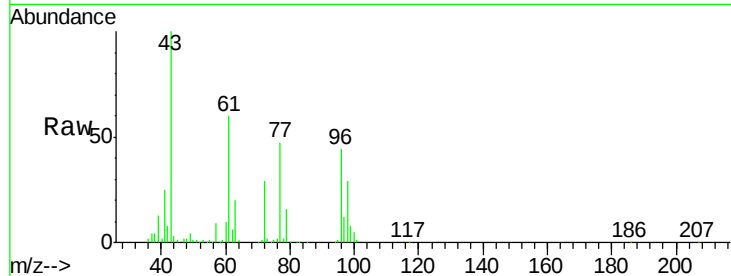
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	260745		
61	135.9	0.0	271.0	
98	64.0	0.0	129.2	

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:25 AM



#28

Bromochloromethane

Concen: 19.899 ug/l

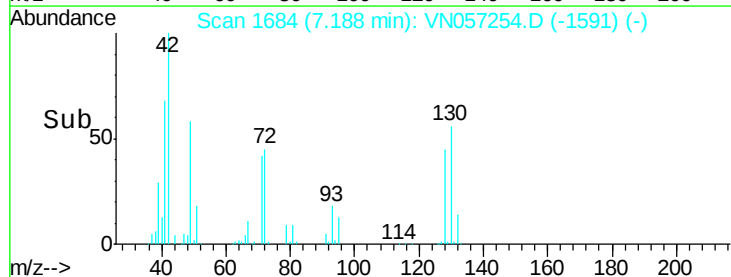
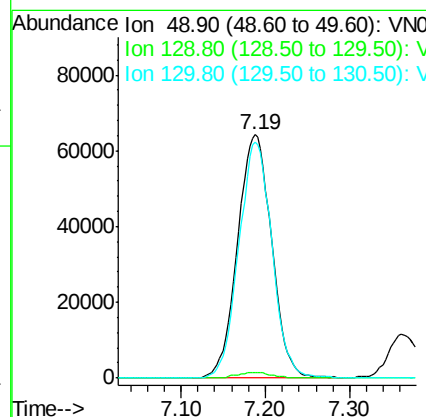
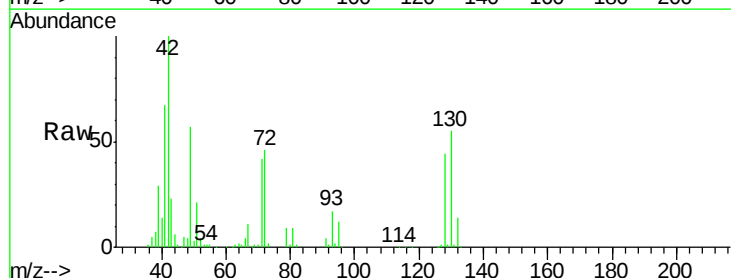
RT: 7.19 min Scan# 1684

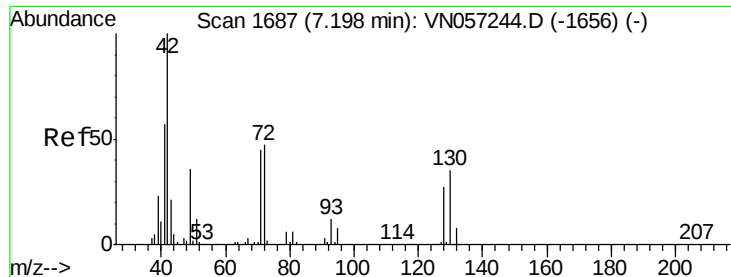
Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	180644		
129	2.3	0.0	3.0	
130	94.5	75.6	113.4	





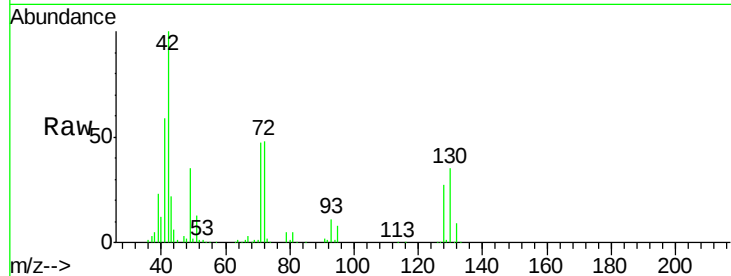
#29
Tetrahydrofuran
Concen: 101.238 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

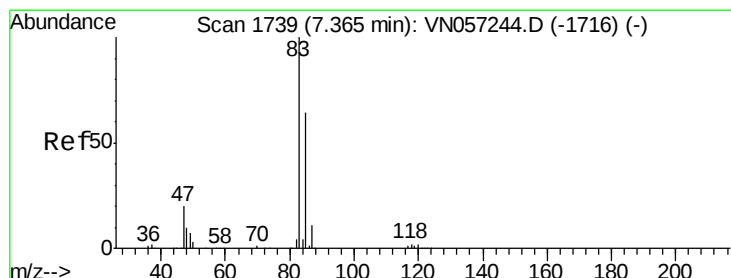
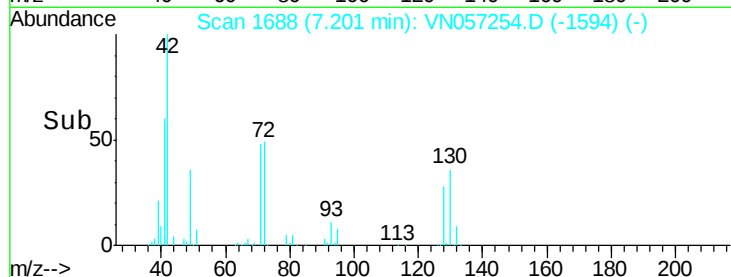
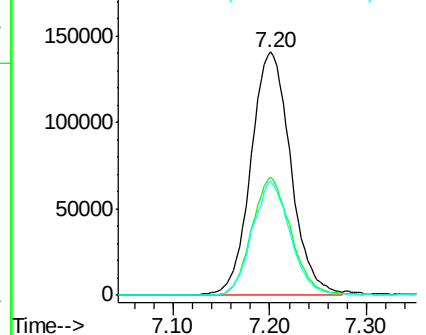
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.6	56.4
71	44.9	35.6	53.4

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:25 AM

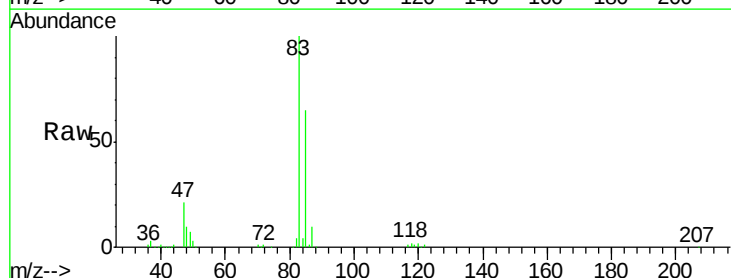


Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

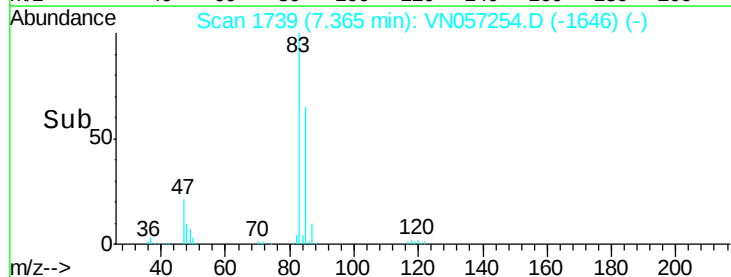
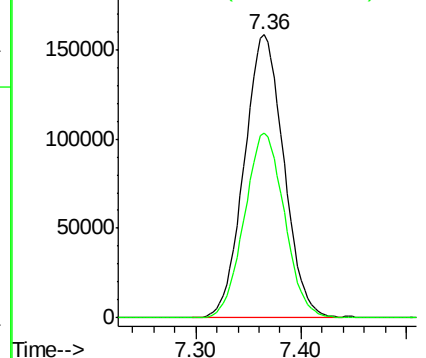


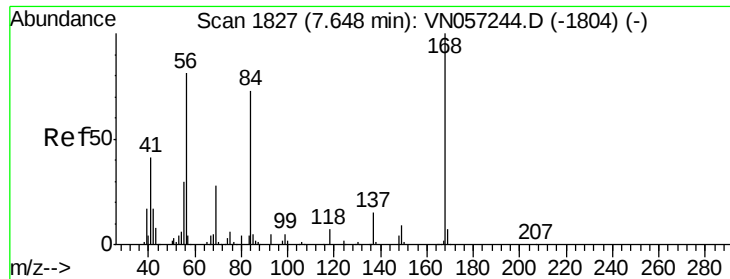
#30
Chloroform
Concen: 19.260 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.3	76.9



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO





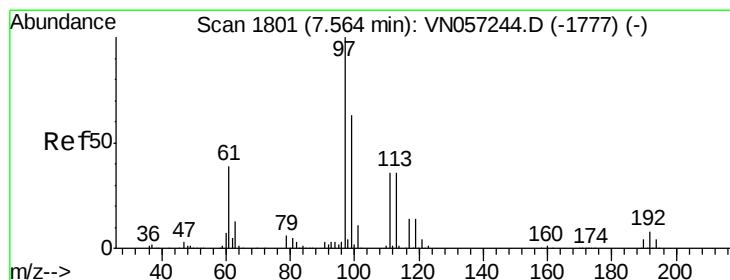
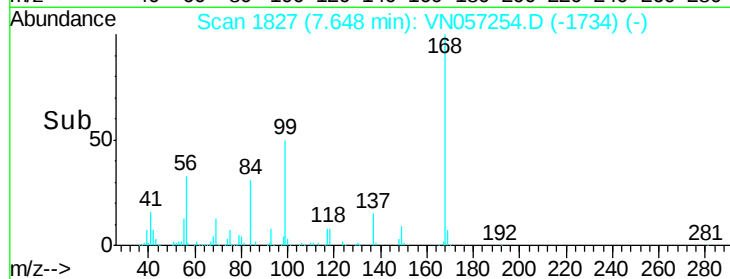
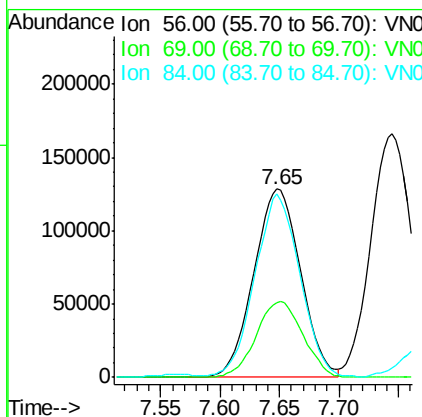
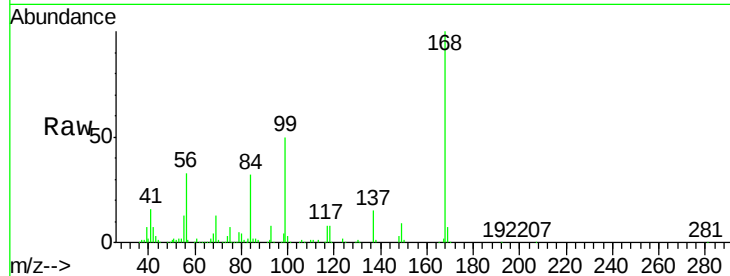
#31
Cyclohexane
Concen: 19.468 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		350030		
69	39.9	27.8	41.8		
84	95.9	72.0	108.0		

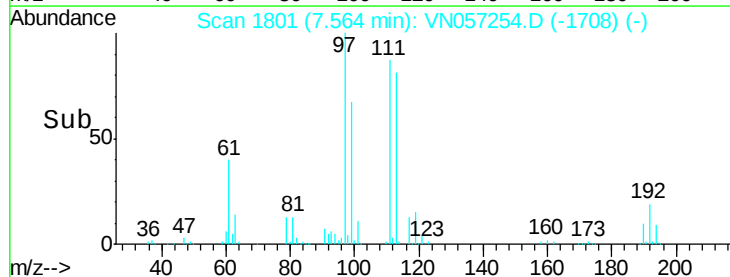
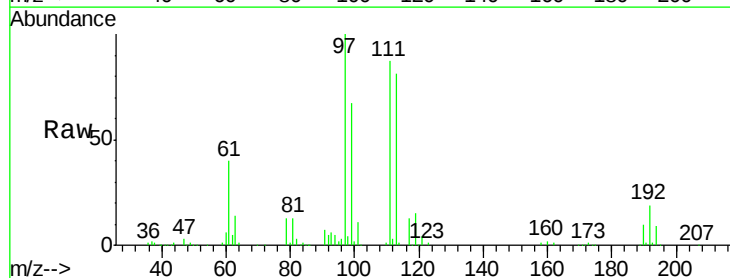
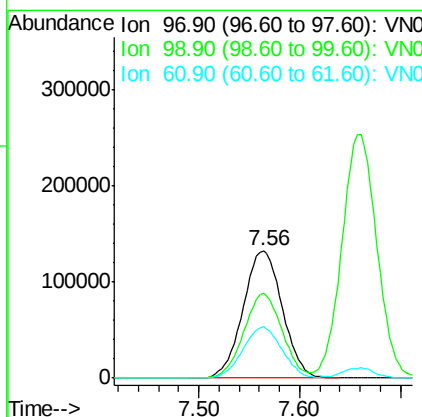
Manual Integrations
APPROVED

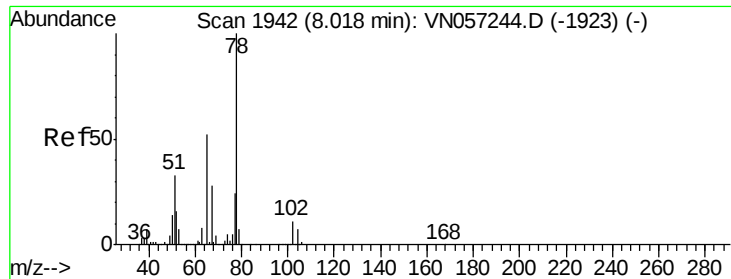
MMDadoda
8/16/2019 8:58:25 AM



#32
1,1,1-Trichloroethane
Concen: 19.613 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		356528		
99	65.0	51.7	77.5		
61	40.3	32.1	48.1		





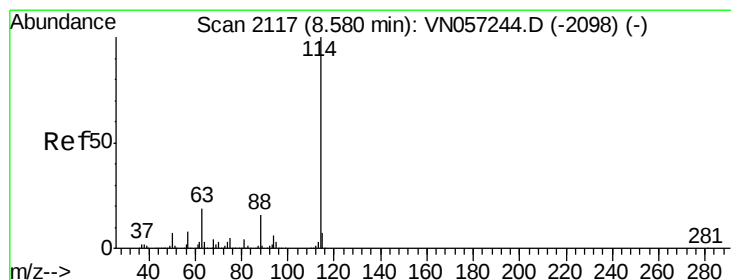
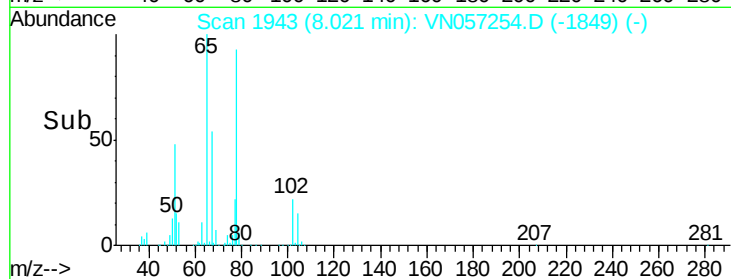
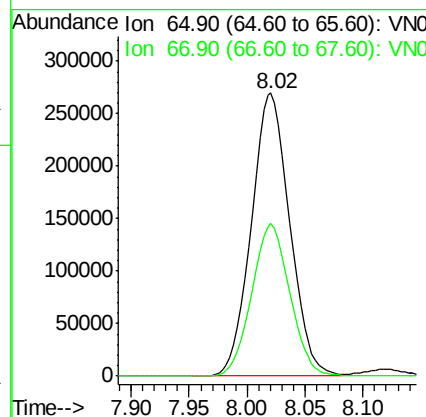
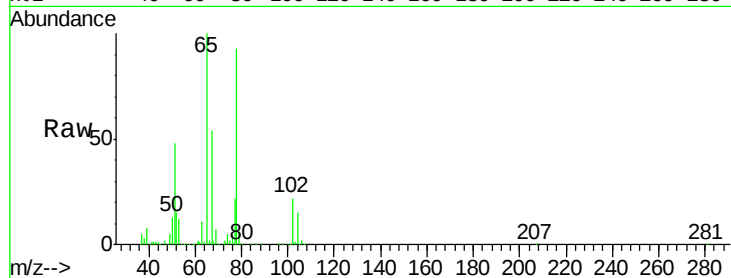
#33
 1,2-Dichloroethane-d4
 Concen: 49.052 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	107.0	

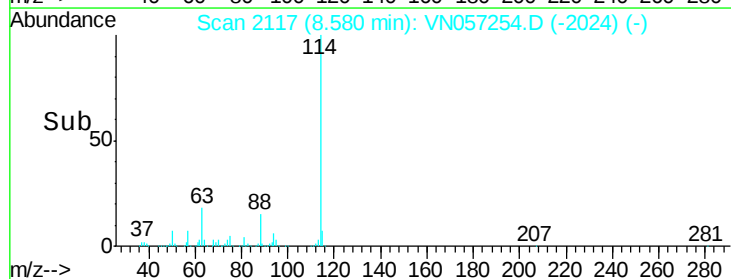
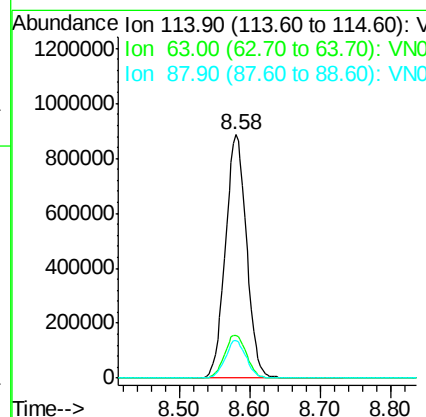
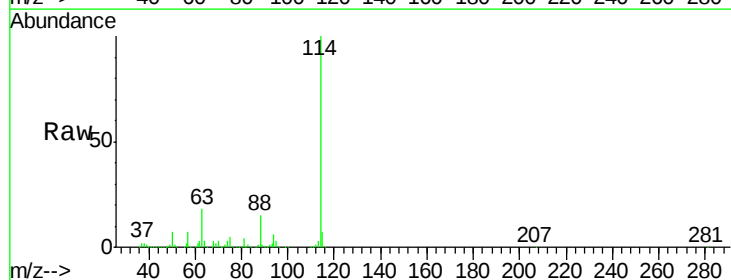
Manual Integrations
 APPROVED

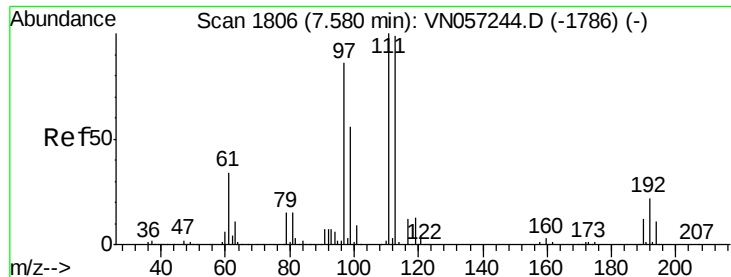
MMDadoda
 8/16/2019 8:58:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.8	0.0	37.0	
88	15.5	0.0	31.0	





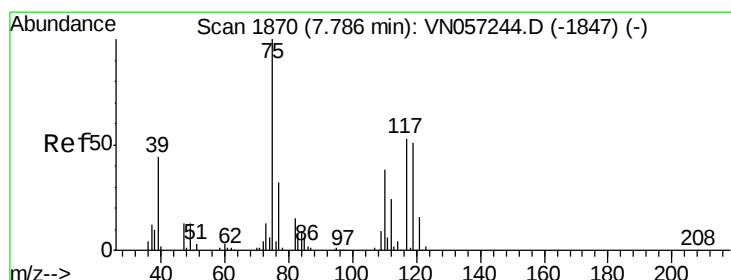
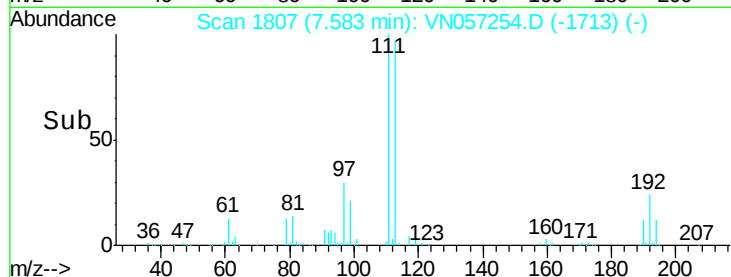
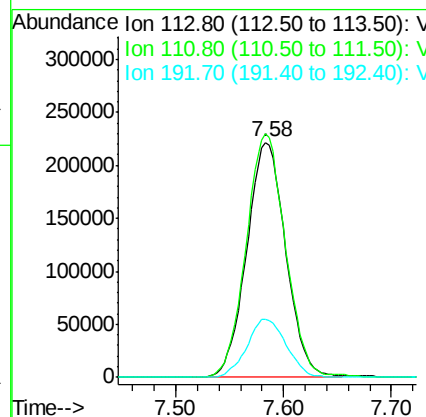
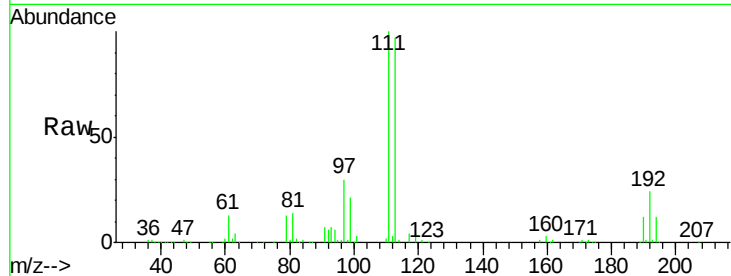
#35
 Dibromofluoromethane
 Concen: 47.124 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	557740		
111	104.8		81.4	122.2
192	25.0		18.8	28.2

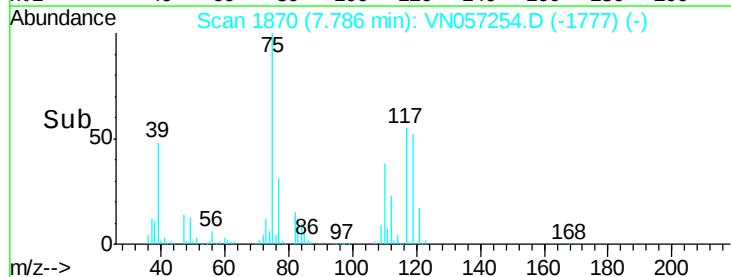
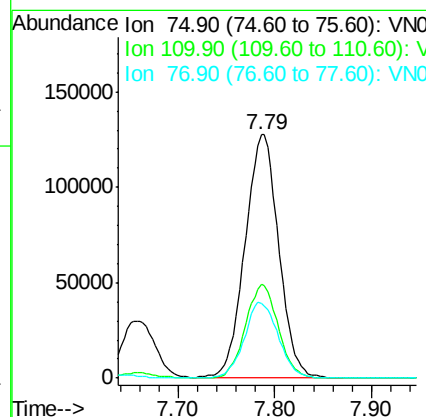
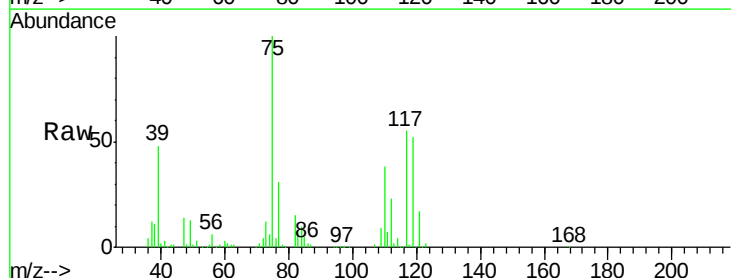
Manual Integrations
 APPROVED

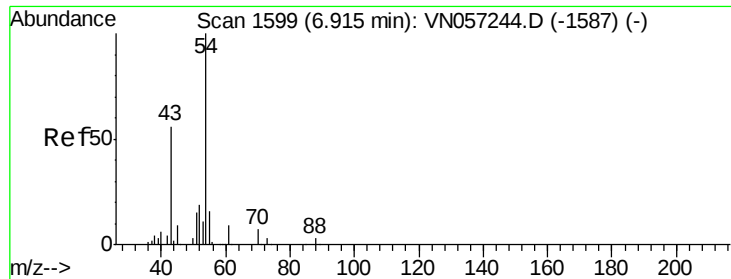
MMDadoda
 8/16/2019 8:58:25 AM



#36
 1,1-Dichloropropene
 Concen: 18.935 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	306856		
110	37.6		19.1	57.1
77	31.6		25.2	37.8





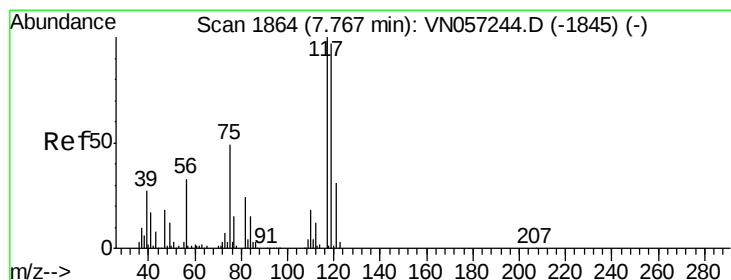
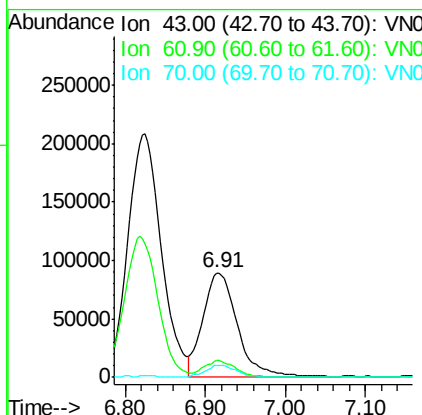
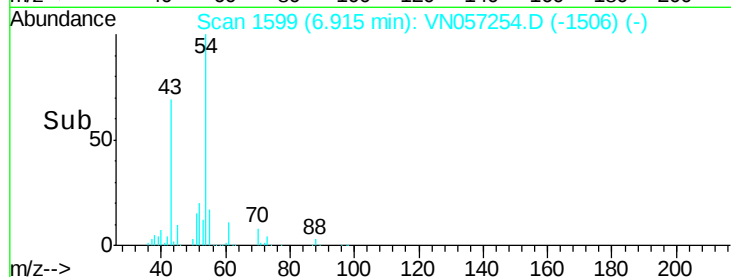
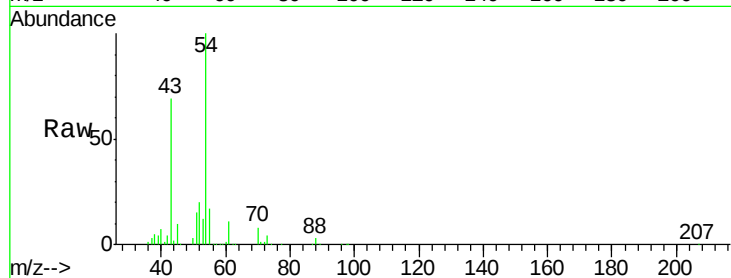
#37
Ethyl Acetate
Concen: 20.310 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.7	19.1
70	10.6	9.0	13.4

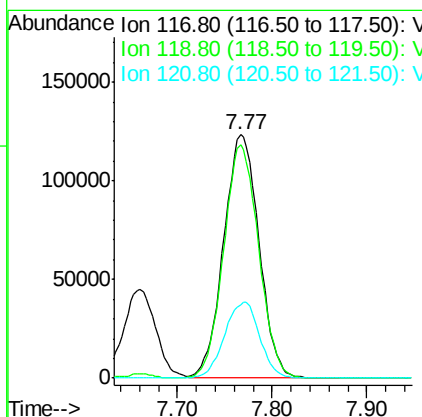
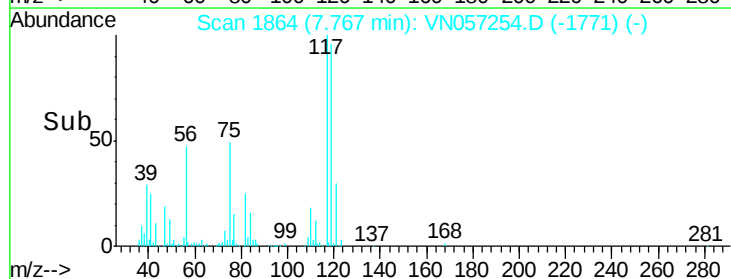
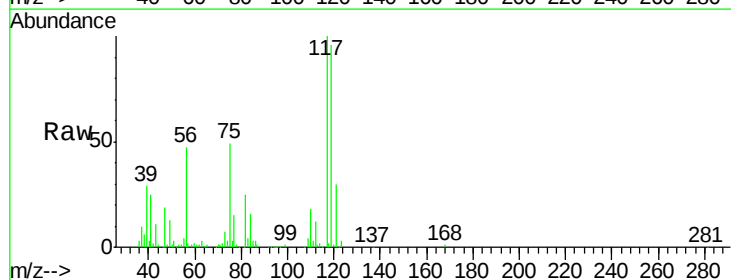
Manual Integrations
APPROVED

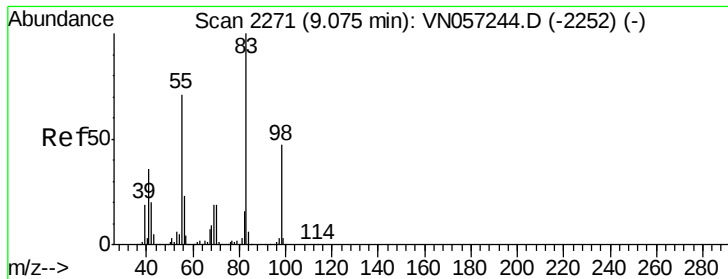
MMDadoda
8/16/2019 8:58:25 AM



#38
Carbon Tetrachloride
Concen: 18.619 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.8	116.6
121	30.2	24.9	37.3





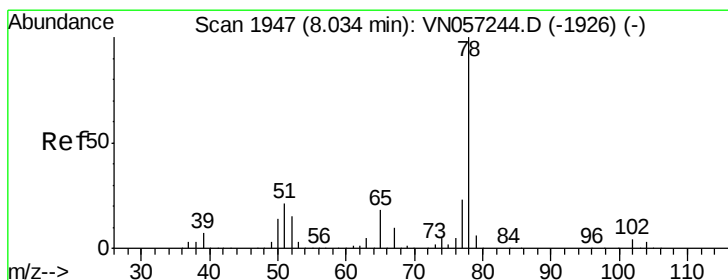
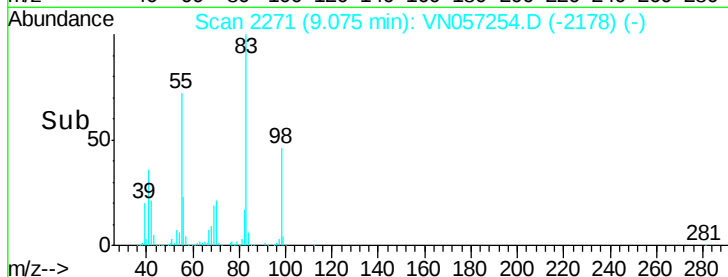
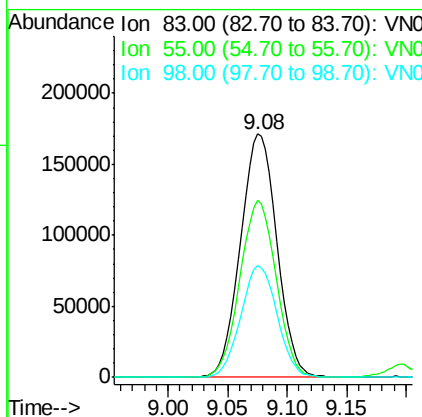
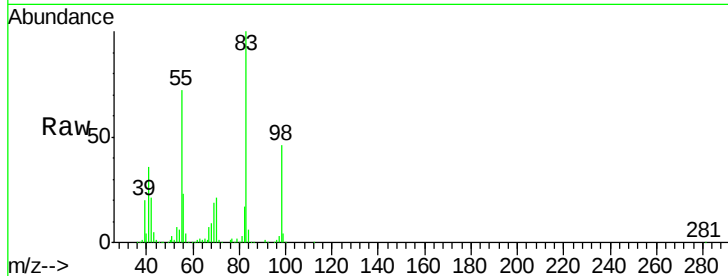
#39
Methvlcvclohexane
Concen: 19.006 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	83	Resp	364659
Ion Ratio	Lower	Upper	
83	100		
55	72.5	57.0	85.4
98	45.9	37.2	55.8

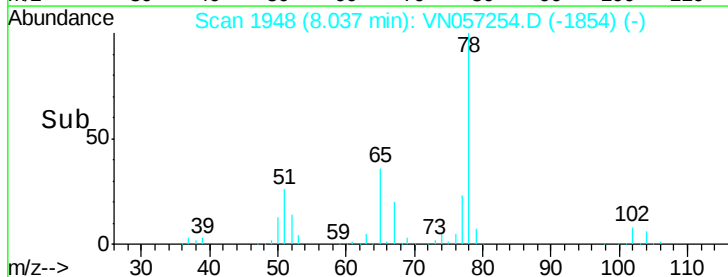
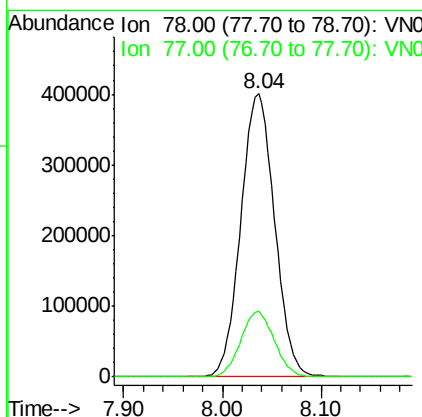
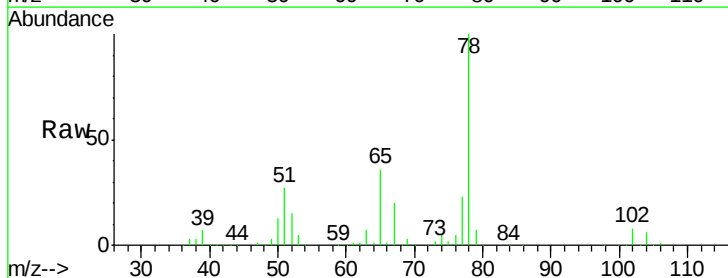
Manual Integrations
APPROVED

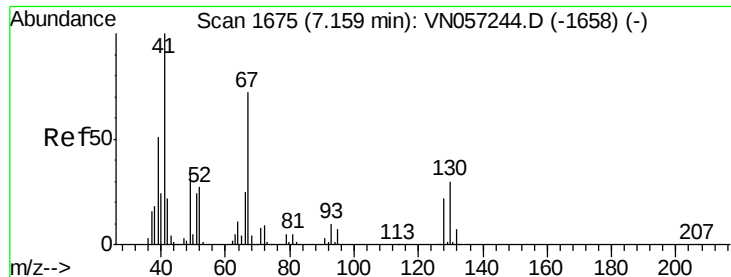
MMDadoda
8/16/2019 8:58:25 AM



#40
Benzene
Concen: 19.286 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion	78	Resp	949494
Ion Ratio	Lower	Upper	
78	100		
77	23.1	18.2	27.4





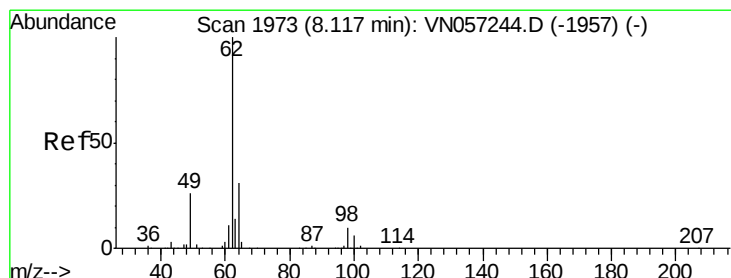
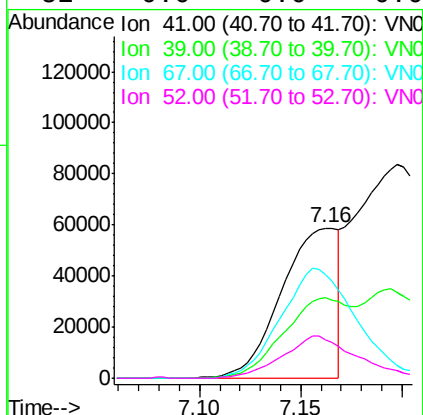
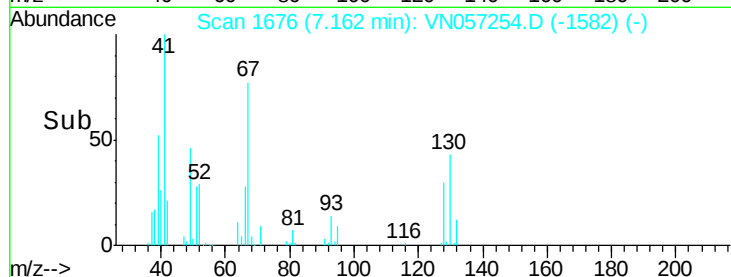
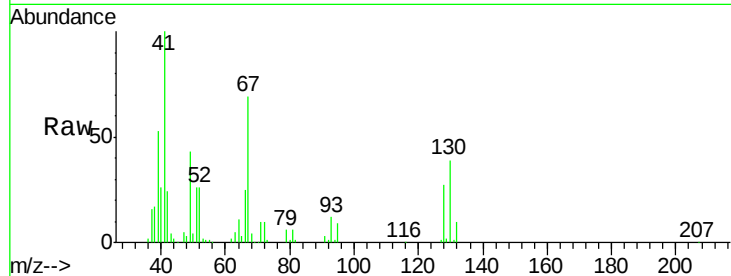
#41
Methacrylonitrile
Concen: 21.456 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	41	Resp	115011
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

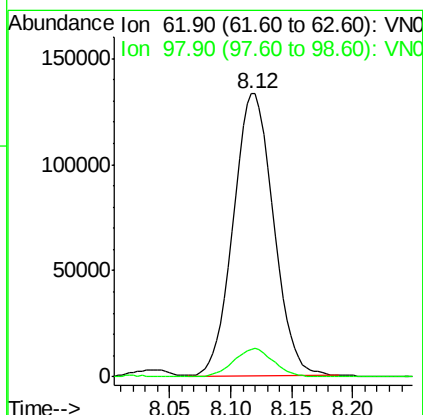
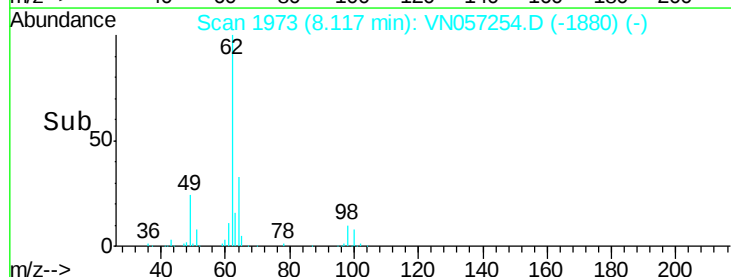
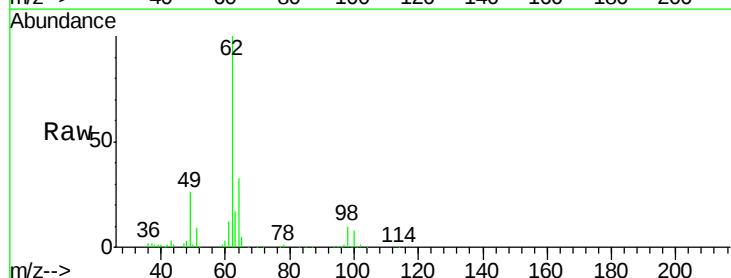
Manual Integrations
APPROVED

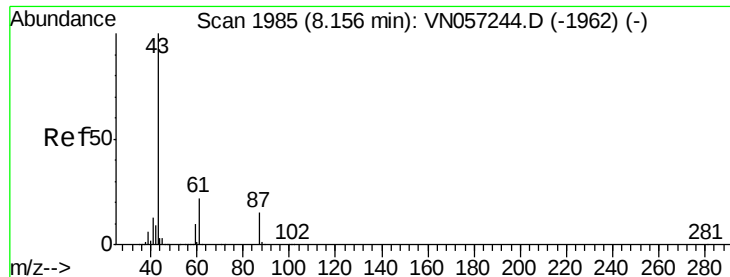
MMDadoda
8/16/2019 8:58:25 AM



#42
1,2-Dichloroethane
Concen: 19.303 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion	62	Resp	304531
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	20.0





#43

Isopropyl Acetate

Concen: 19.906 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

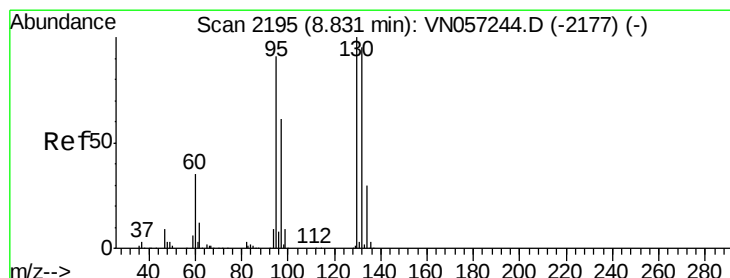
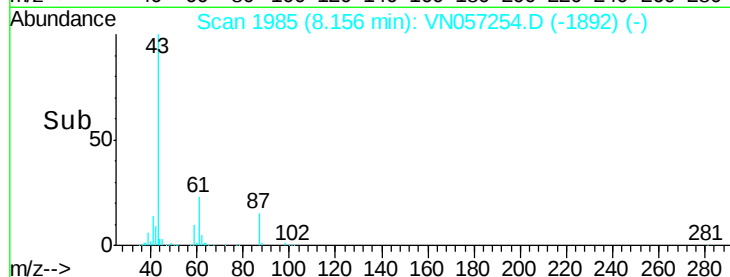
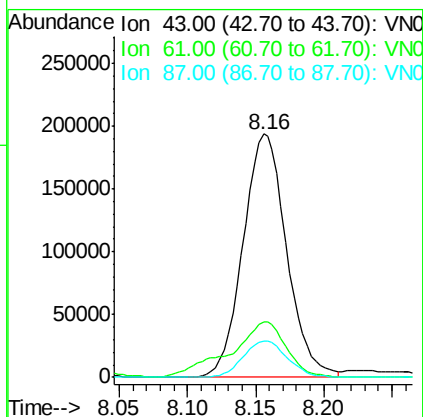
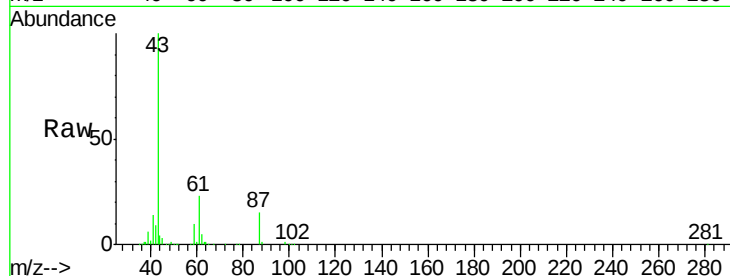
ClientSampleId :

VN0813WBSD01

Tot Ion	43	Resp	427015
Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.5	35.3
87	15.3	12.1	18.1

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:25 AM



#44

Trichloroethene

Concen: 18.864 ug/l

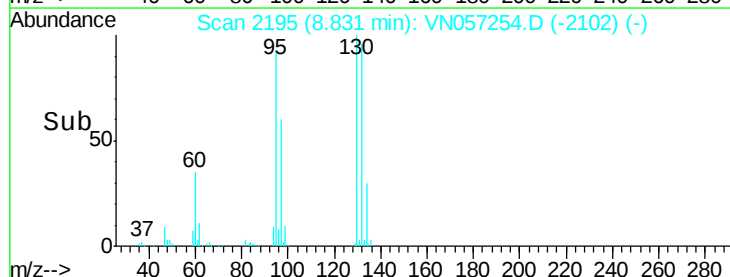
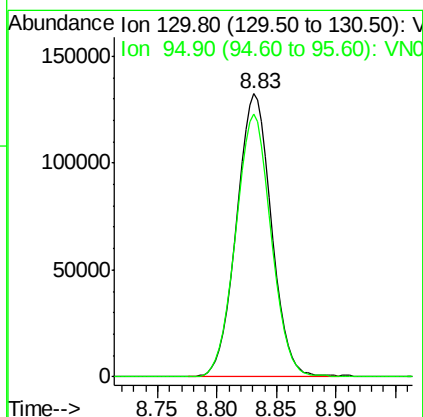
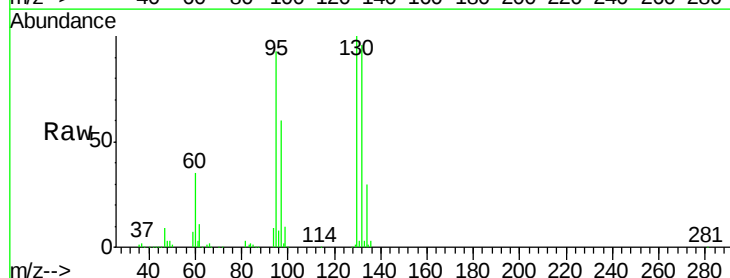
RT: 8.83 min Scan# 2195

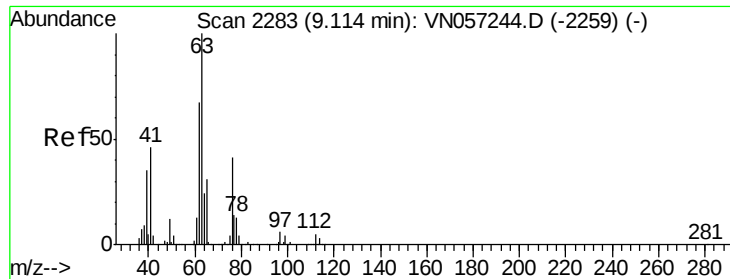
Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Tgt Ion	130	Resp	269216
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	181.8





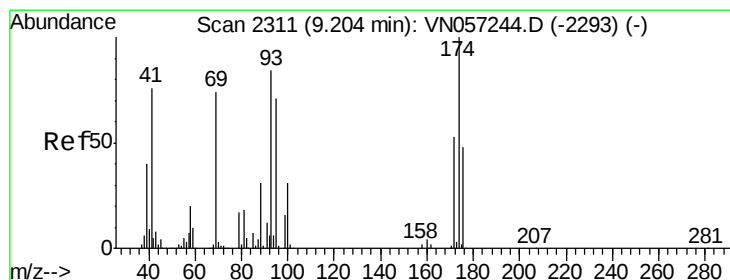
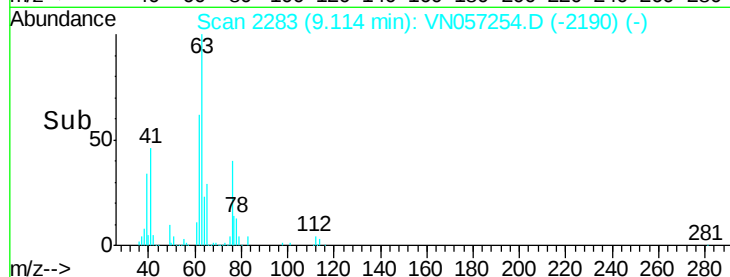
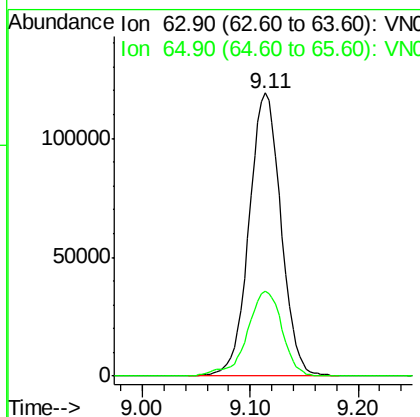
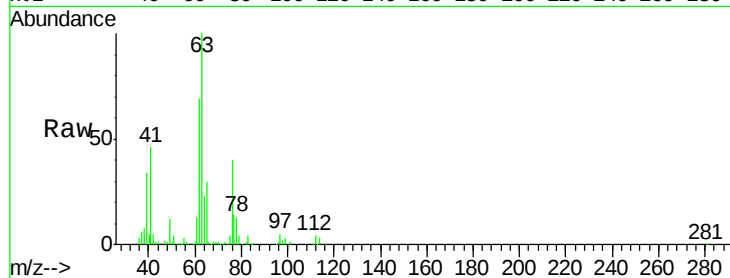
#45
 1,2-Dichloropropane
 Concen: 19.655 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	245142		
65	29.9	25.0	37.4	

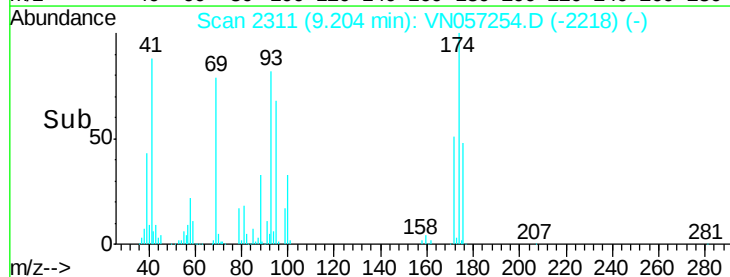
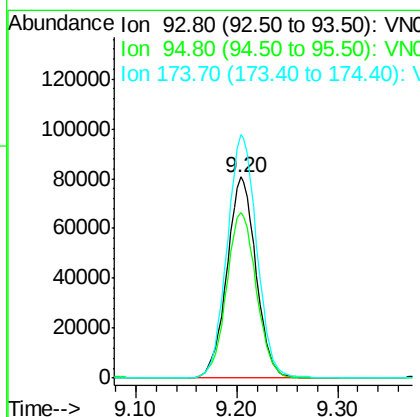
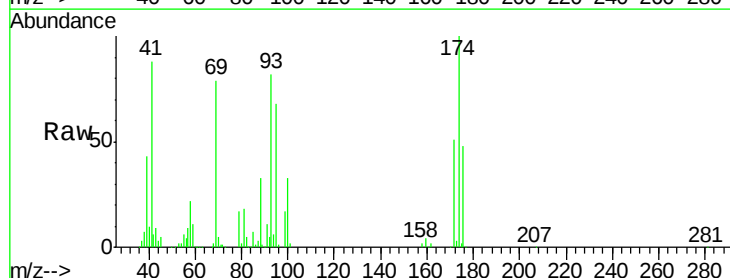
Manual Integrations
 APPROVED

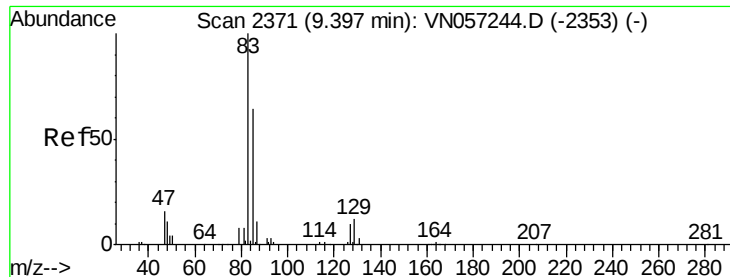
MMDadoda
 8/16/2019 8:58:25 AM



#46
 Dibromomethane
 Concen: 19.220 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	161628		
95	84.7	67.0	100.4	
174	123.9	96.2	144.2	





#47

Bromodichloromethane

Concen: 19.457 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

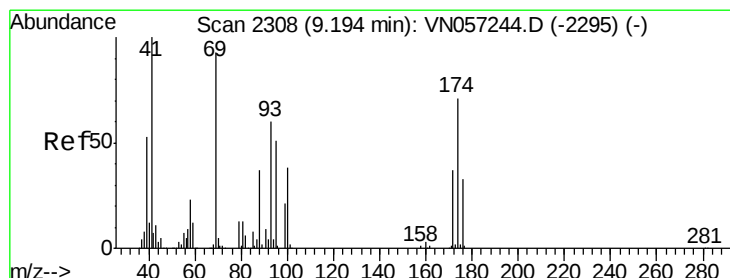
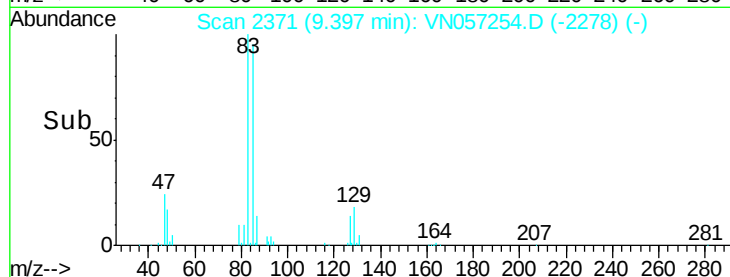
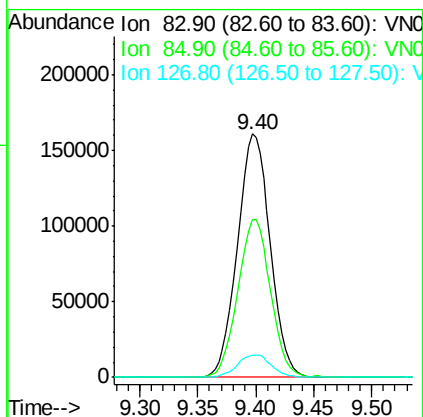
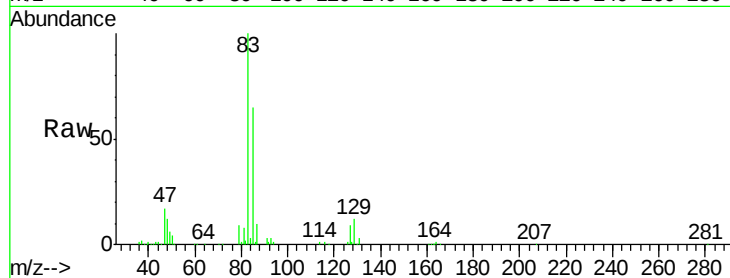
ClientSampleId :

VN0813WBSD01

Tot Ion:	83	Resp:	315469
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.0
127	9.3	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:25 AM



#48

Methyl methacrylate

Concen: 20.608 ug/l

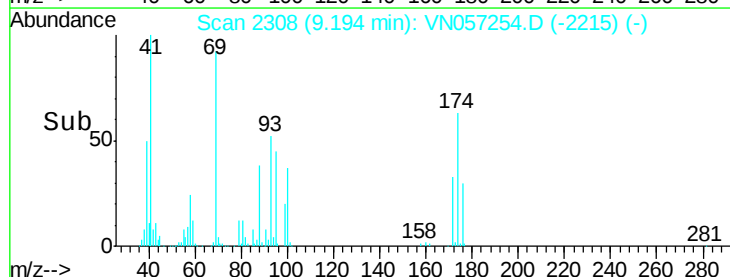
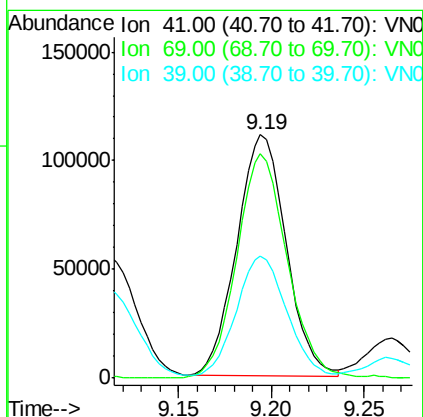
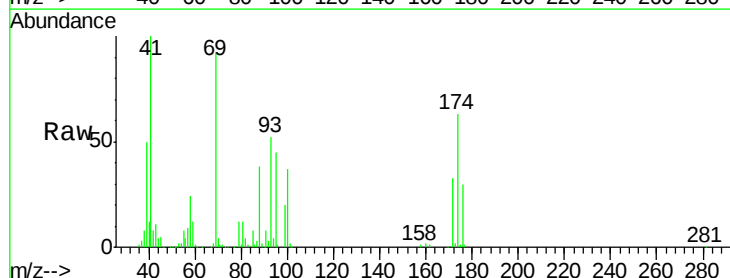
RT: 9.19 min Scan# 2308

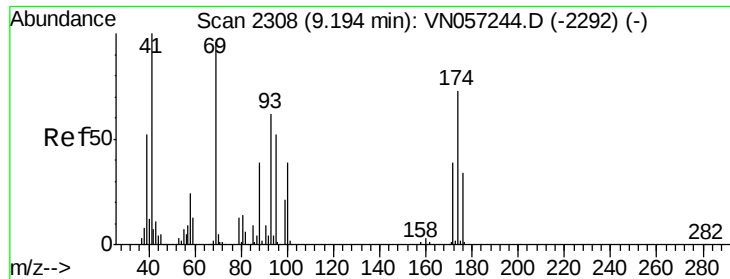
Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Tgt Ion:	41	Resp:	204553
Ion	Ratio	Lower	Upper
41	100		
69	95.5	75.7	113.5
39	52.0	43.3	64.9





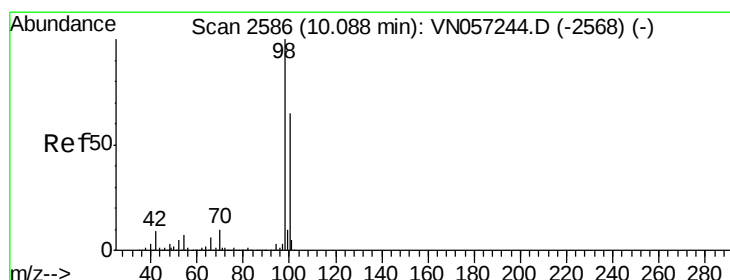
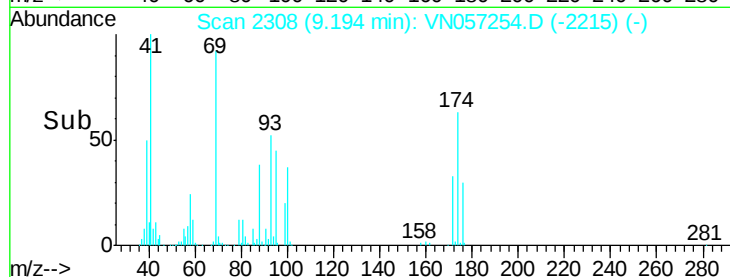
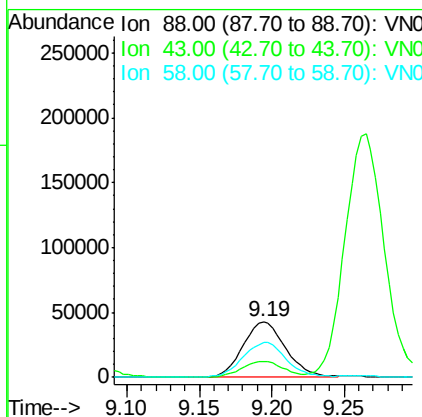
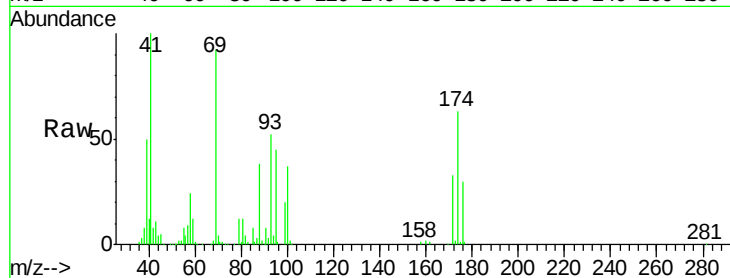
#49
1,4-Dioxane
Concen: 395.435 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	88	Resp	88453
Ion Ratio	Lower	Upper	
88	100		
43	27.6	20.7	31.1
58	63.8	52.0	78.0

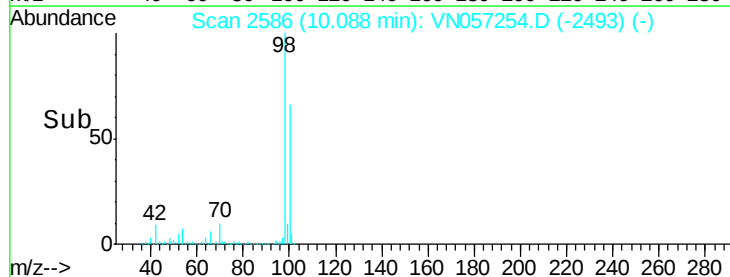
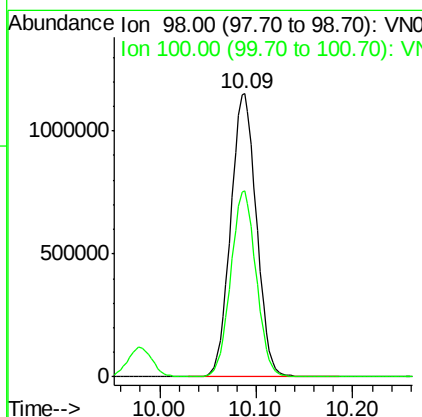
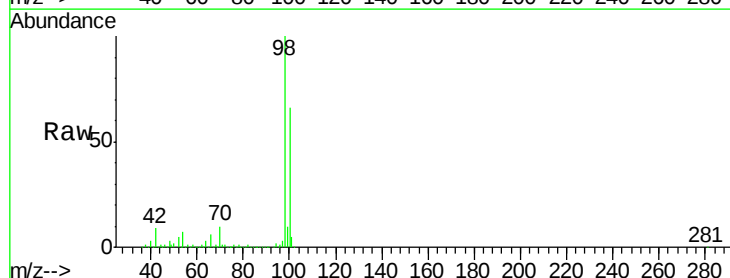
Manual Integrations
APPROVED

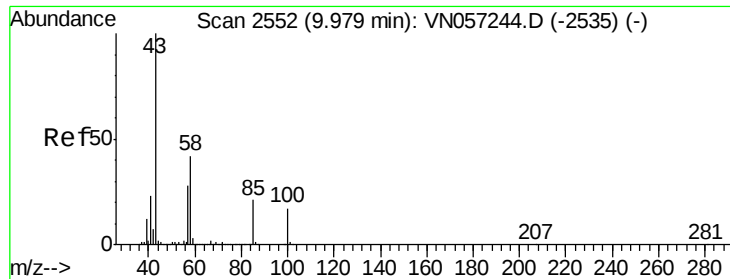
MMDadoda
8/16/2019 8:58:25 AM



#50
Toluene-d8
Concen: 49.270 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion	98	Resp	2126899
Ion Ratio	Lower	Upper	
98	100		
100	64.8	51.8	77.6





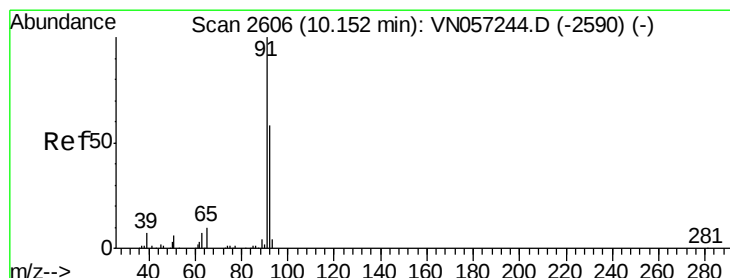
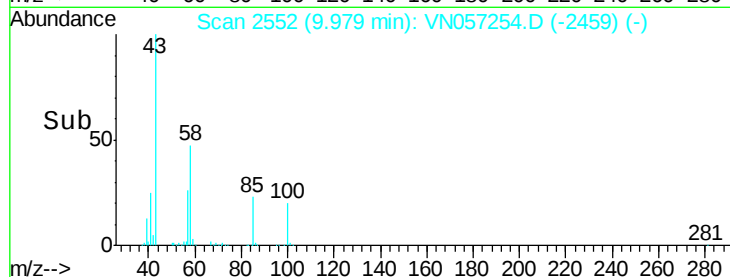
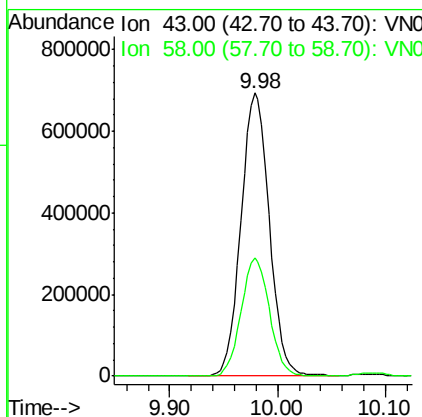
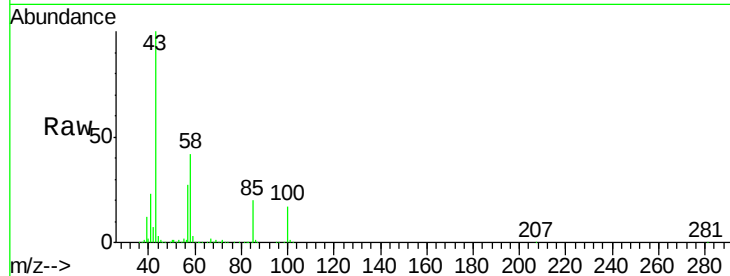
#51
 4-Methyl-2-Pentanone
 Concen: 100.361 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion: 43 Resp: 1264191
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.7 50.5

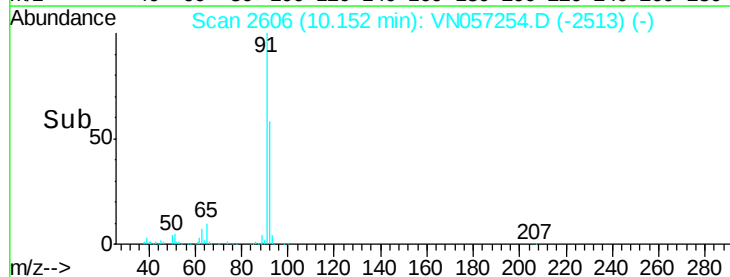
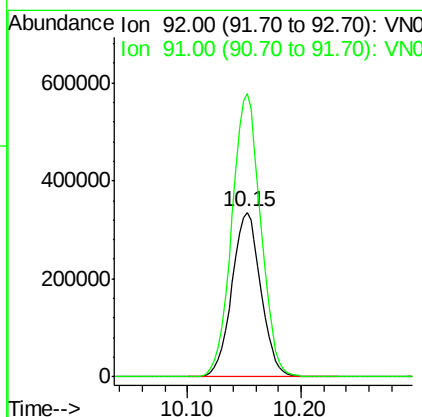
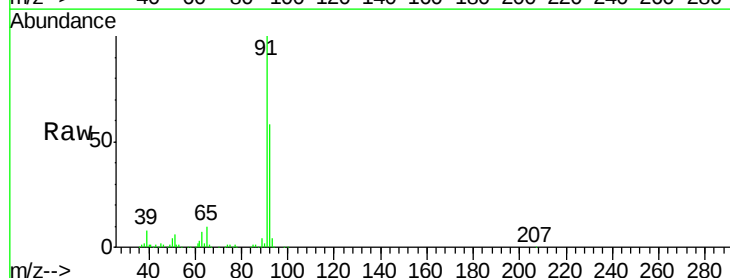
Manual Integrations
 APPROVED

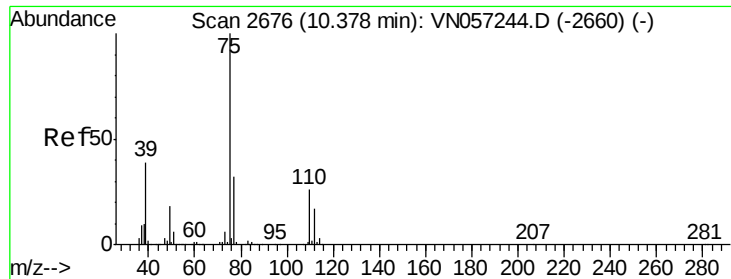
MMDadoda
 8/16/2019 8:58:25 AM



#52
 Toluene
 Concen: 19.523 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion: 92 Resp: 597134
 Ion Ratio Lower Upper
 92 100
 91 171.7 138.2 207.2





#53

t-1,3-Dichloropropene

Concen: 19.508 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 75 Resp: 338318

Ion Ratio Lower Upper

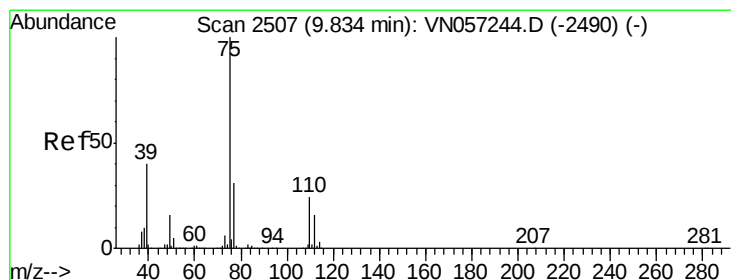
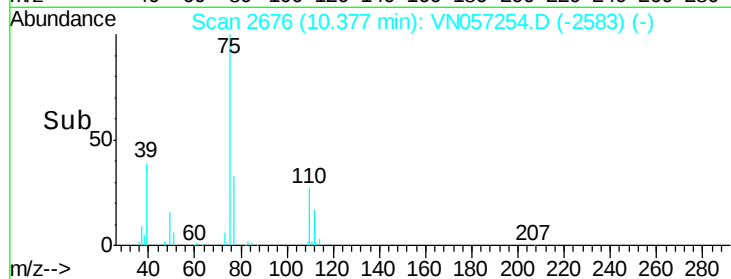
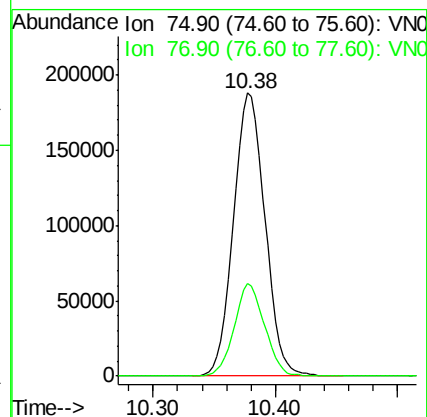
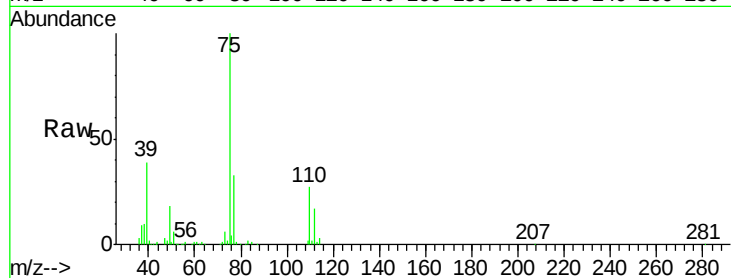
75 100

77 32.9 25.3 37.9

Manual Integrations
APPROVED

MMDadoda

8/16/2019 8:58:25 AM



#54

cis-1,3-Dichloropropene

Concen: 19.283 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

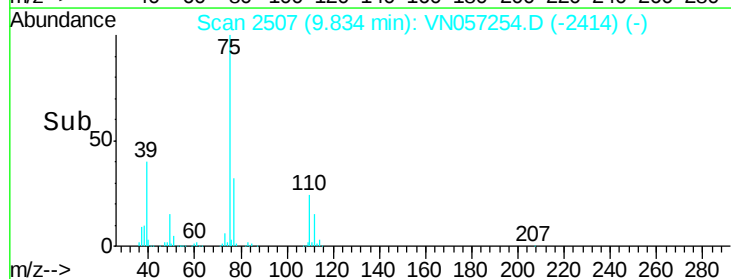
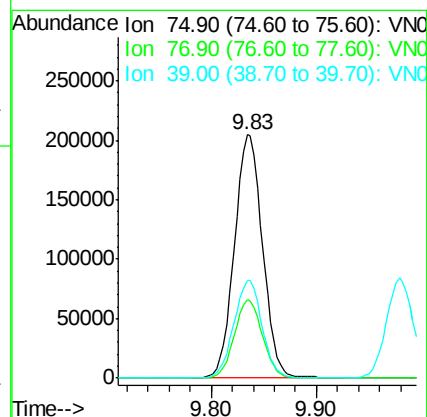
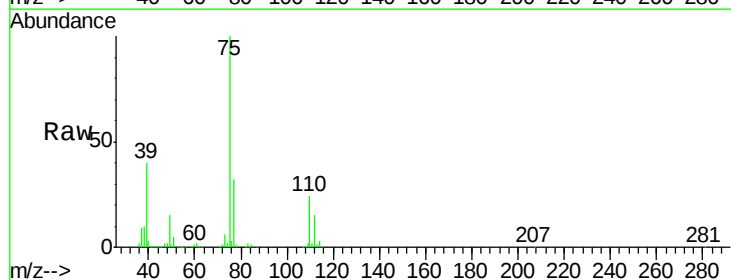
Tgt Ion: 75 Resp: 376884

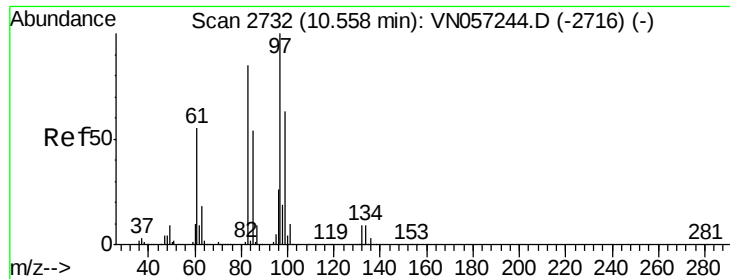
Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.6

39 40.0 32.3 48.5





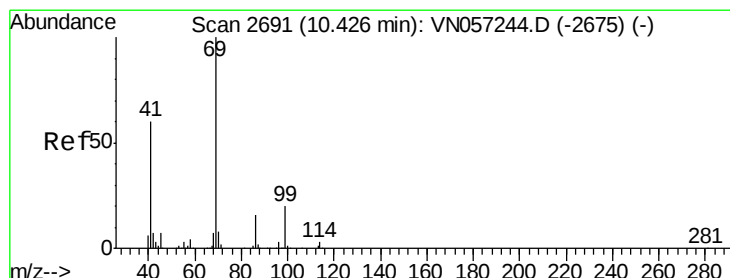
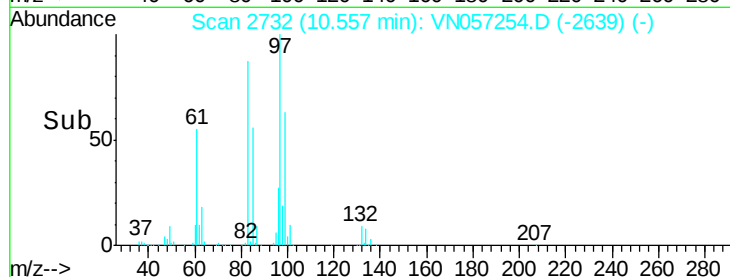
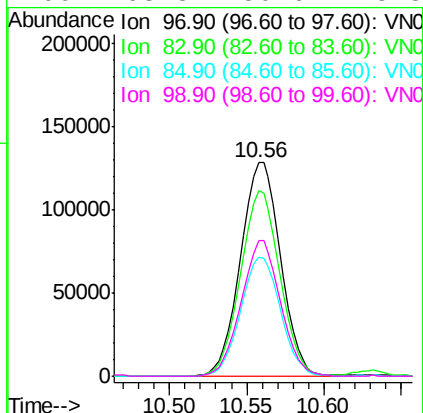
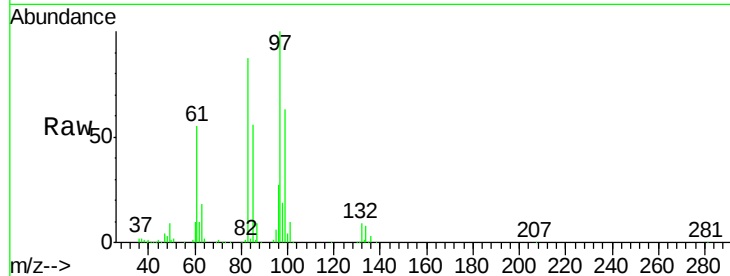
#55
 1,1,2-Trichloroethane
 Concen: 19.414 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		232101		
83	86.6	68.4	102.6		
85	55.6	43.0	64.6		
99	63.3	50.6	75.8		

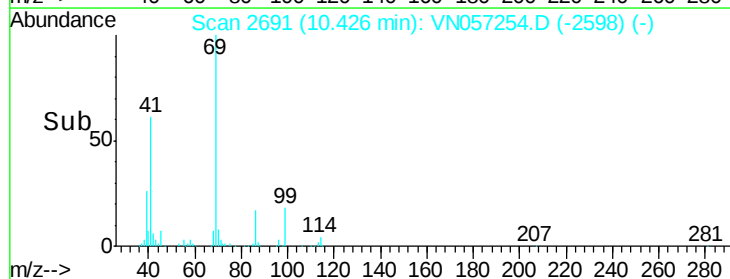
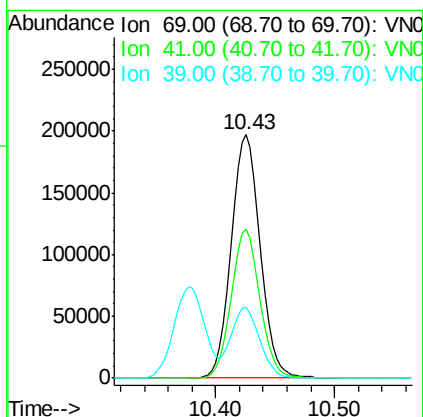
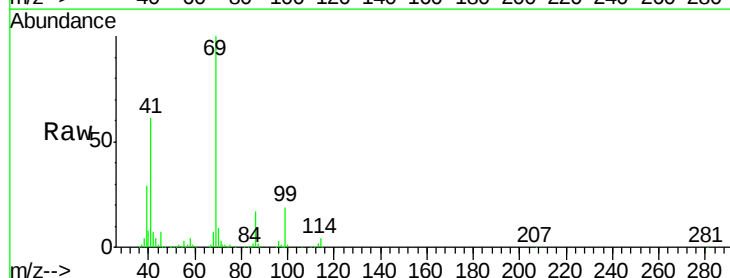
Manual Integrations
 APPROVED

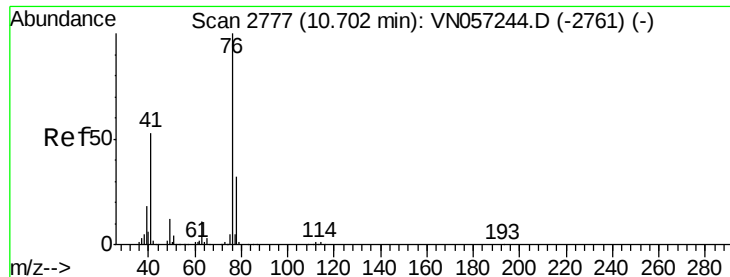
MMDadoda
 8/16/2019 8:58:25 AM



#56
 Ethyl methacrylate
 Concen: 19.798 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		332062		
41	59.4	47.6	71.4		
39	28.5	23.4	35.0		





#57

1,3-Dichloropropane

Concen: 19.461 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 76 Resp: 383863

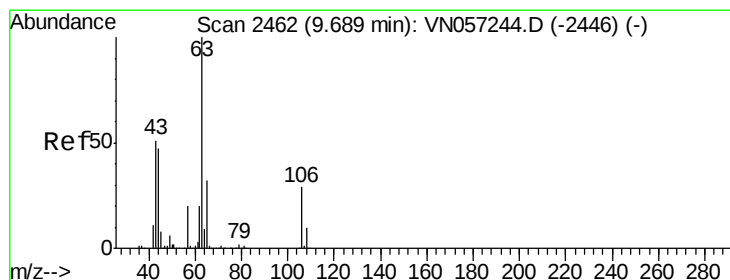
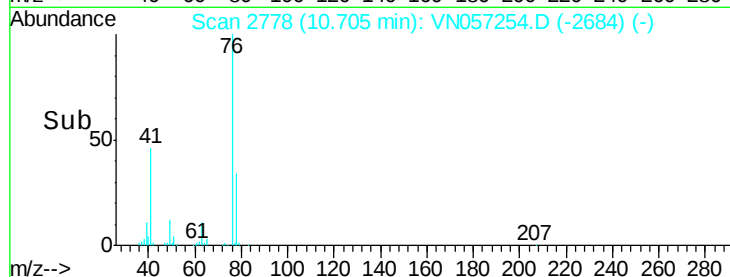
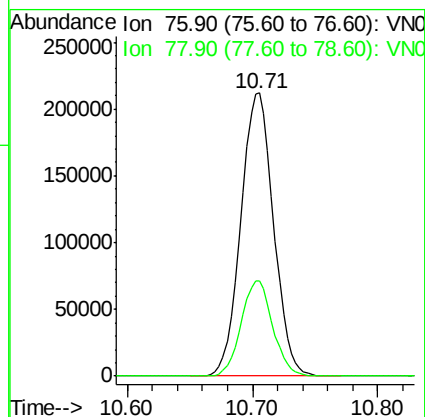
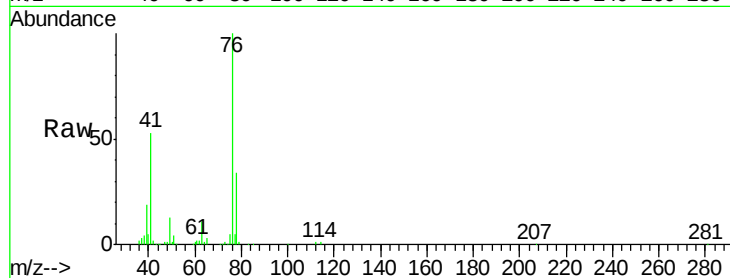
Ion Ratio Lower Upper

76 100

78 32.5 26.0 39.0

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:25 AM



#58

2-Chloroethyl Vinyl ether

Concen: 92.276 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057254.D

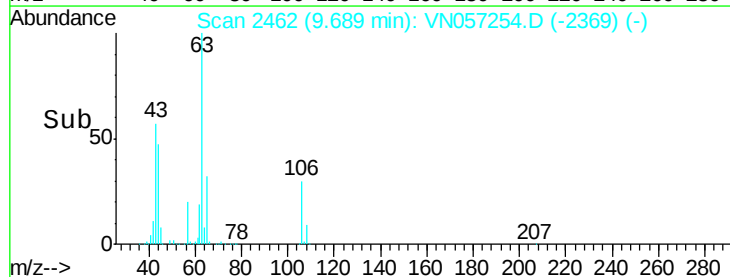
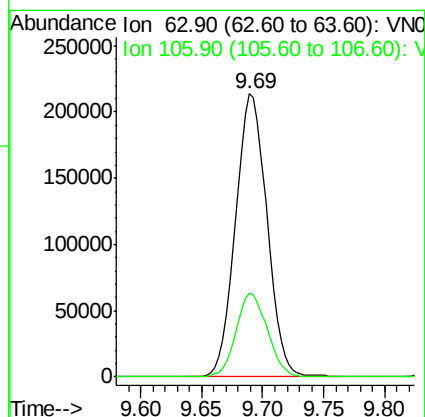
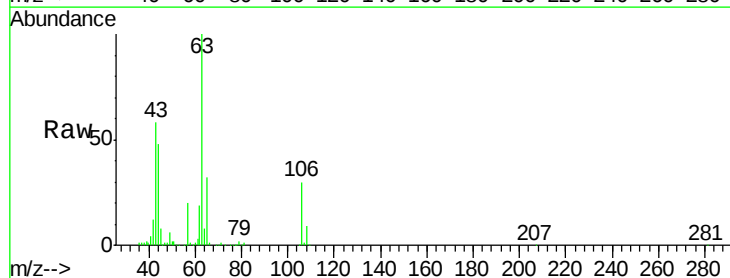
Acq: 13 Aug 2019 18:36

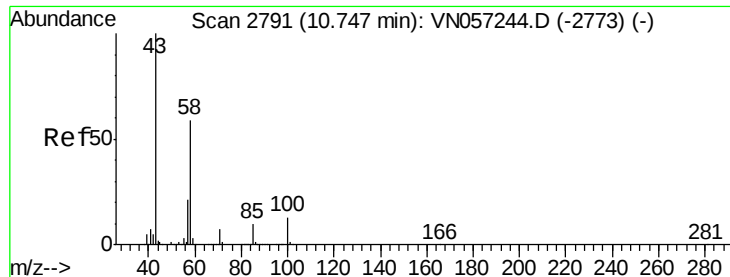
Tgt Ion: 63 Resp: 383264

Ion Ratio Lower Upper

63 100

106 29.4 23.4 35.2





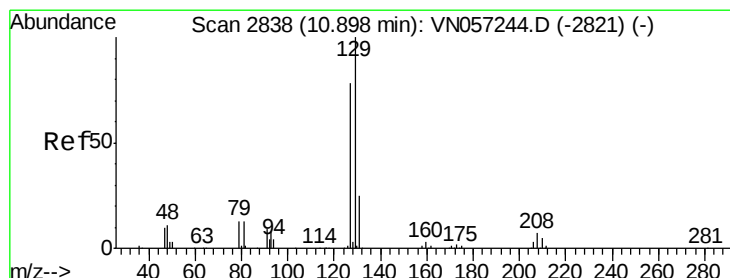
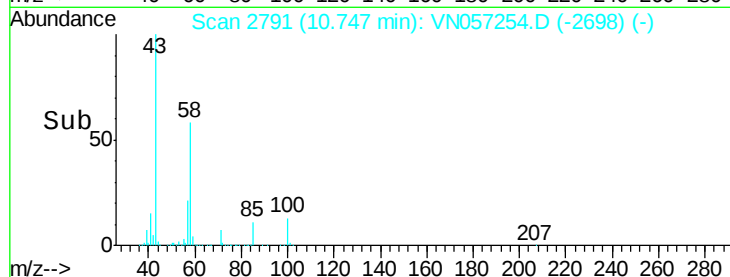
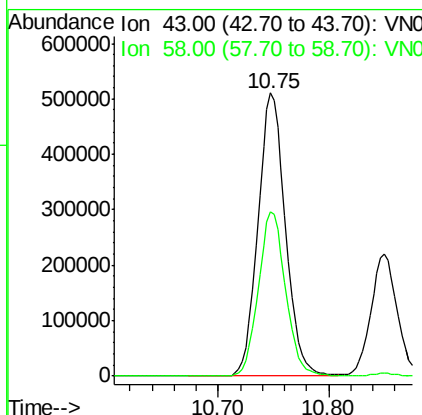
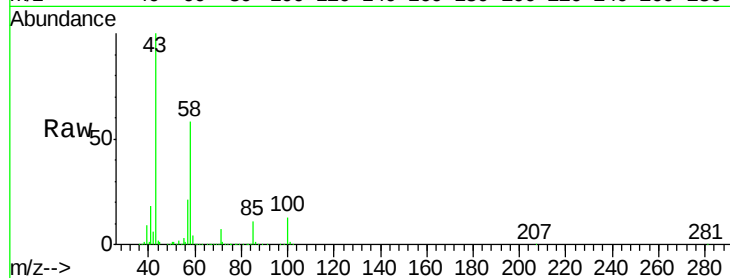
#59
2-Hexanone
Concen: 98.187 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion: 43 Resp: 877537
Ion Ratio Lower Upper
43 100
58 57.8 29.1 87.4

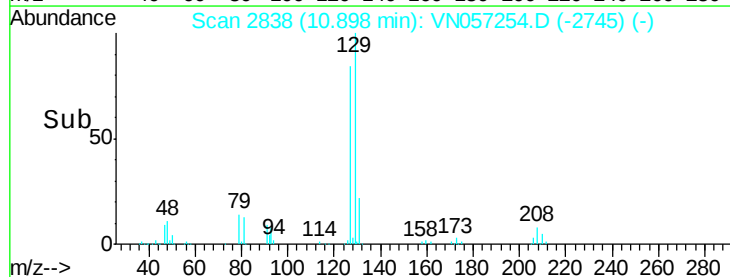
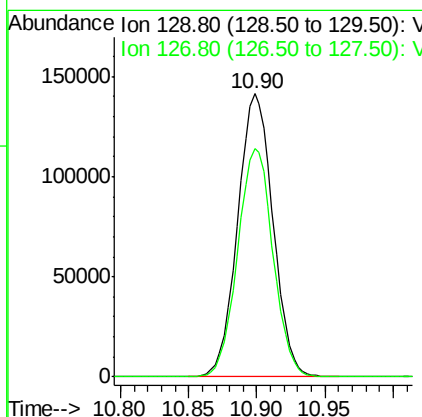
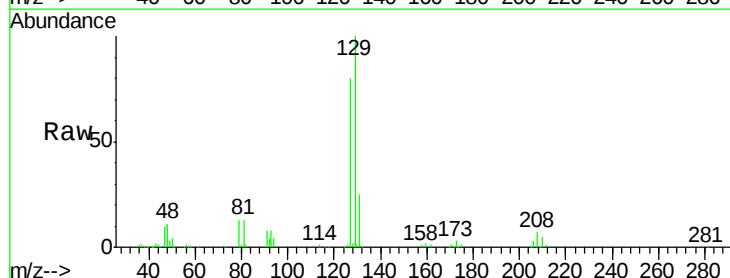
Manual Integrations
APPROVED

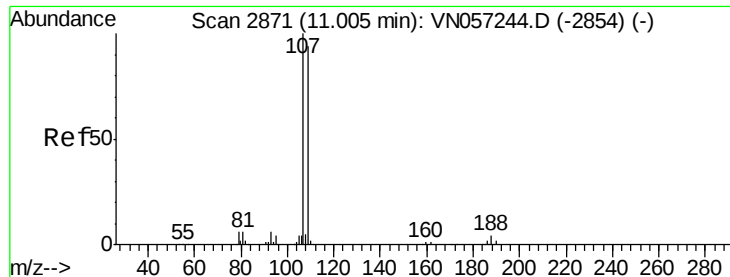
MMDadoda
8/16/2019 8:58:25 AM



#60
Dibromochloromethane
Concen: 18.965 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion: 129 Resp: 254259
Ion Ratio Lower Upper
129 100
127 80.6 38.9 116.6





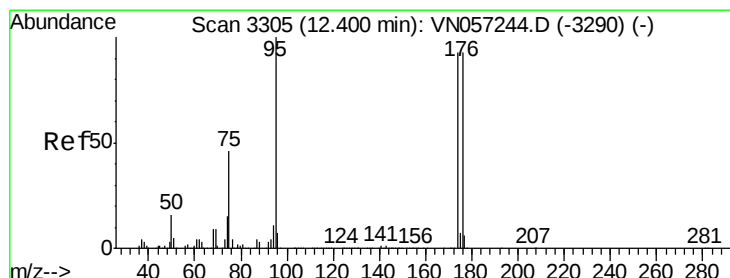
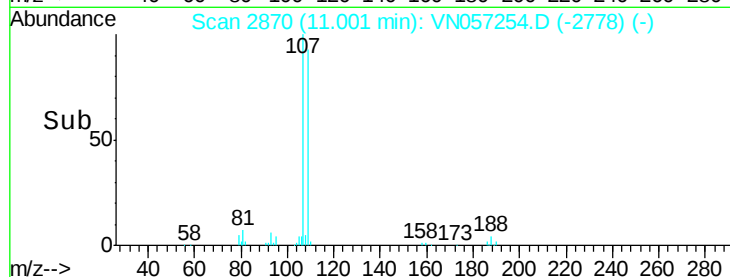
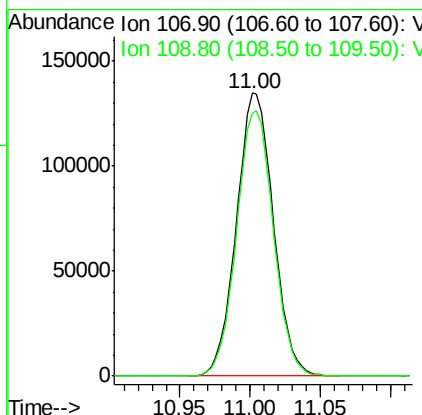
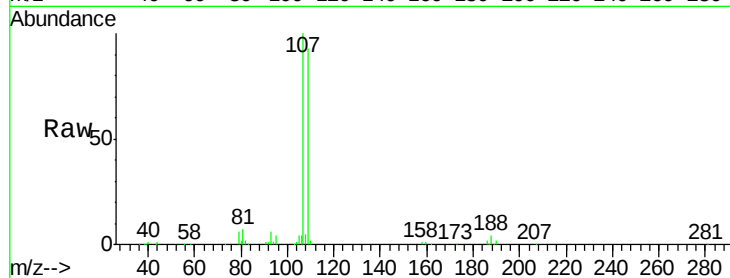
#61
 1,2-Dibromoethane
 Concen: 19.889 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.7	113.5

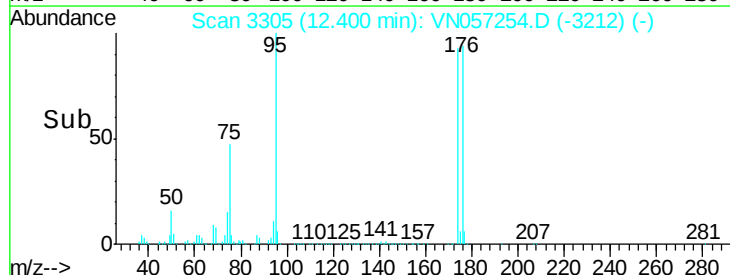
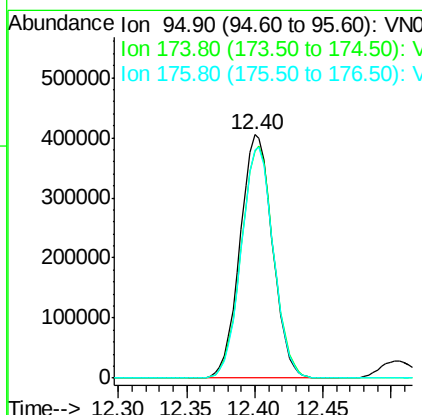
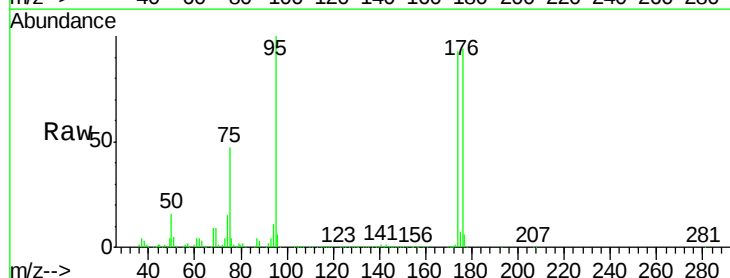
Manual Integrations
 APPROVED

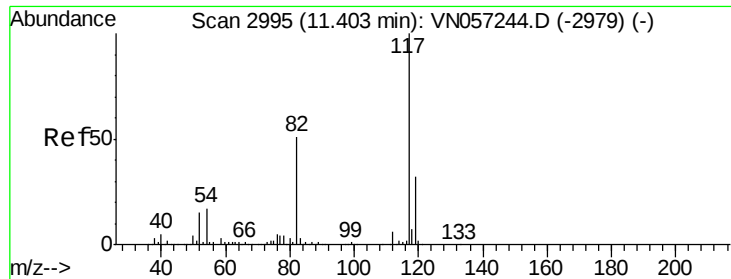
MMDadoda
 8/16/2019 8:58:25 AM



#62
 4-Bromofluorobenzene
 Concen: 45.186 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	187.6
176	94.0	0.0	185.8





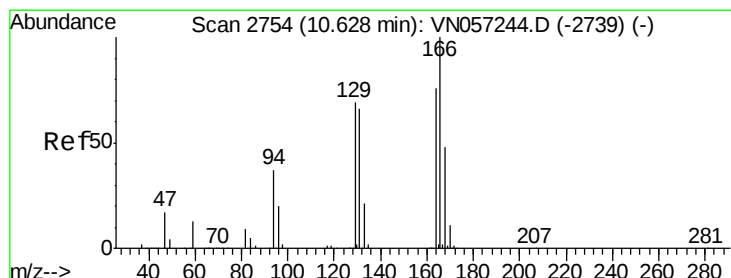
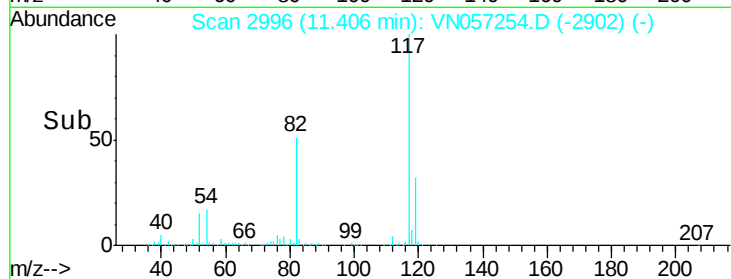
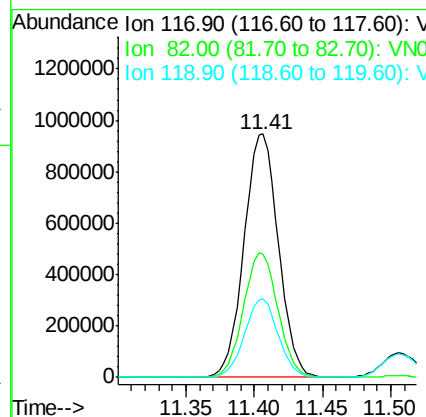
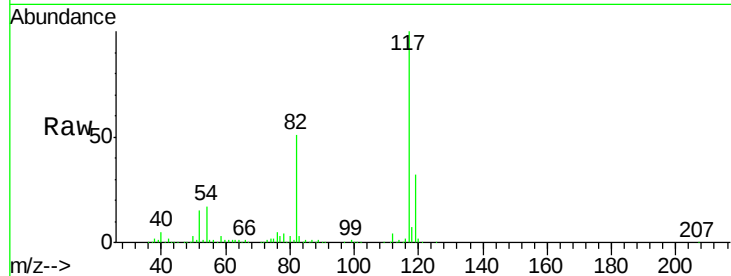
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	40.9	61.3
119	32.1	25.4	38.2

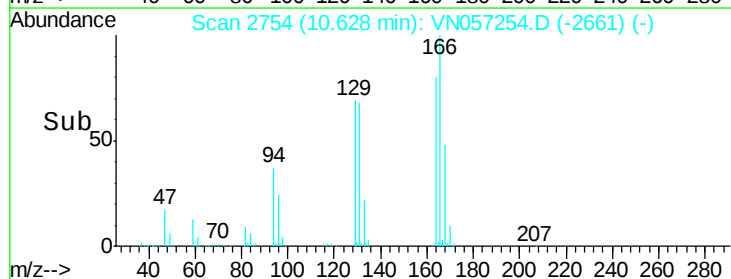
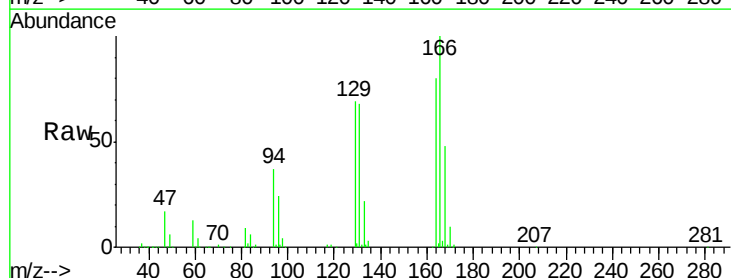
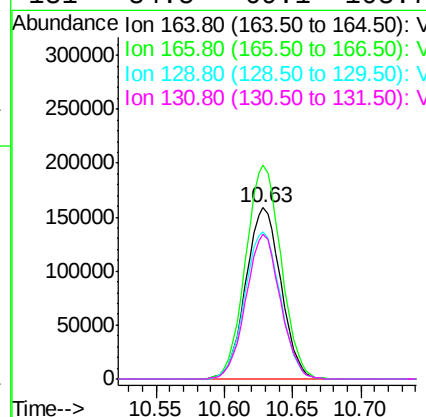
Manual Integrations
APPROVED

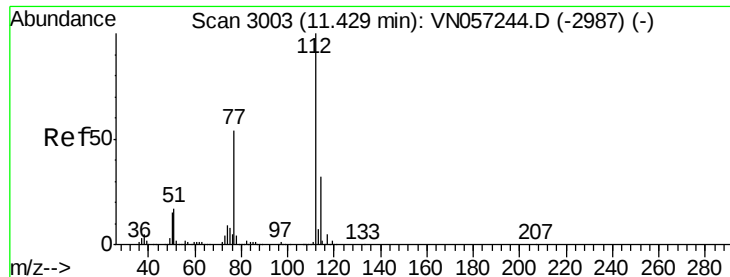
MMDadoda
8/16/2019 8:58:25 AM



#64
Tetrachloroethene
Concen: 19.435 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	104.9	157.3
129	85.9	71.9	107.9
131	84.5	69.1	103.7





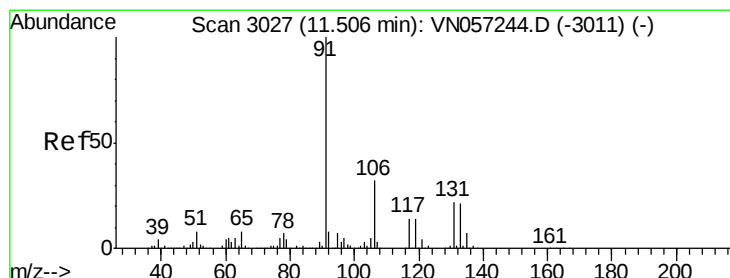
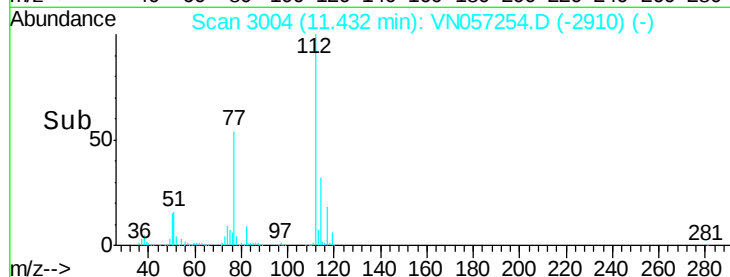
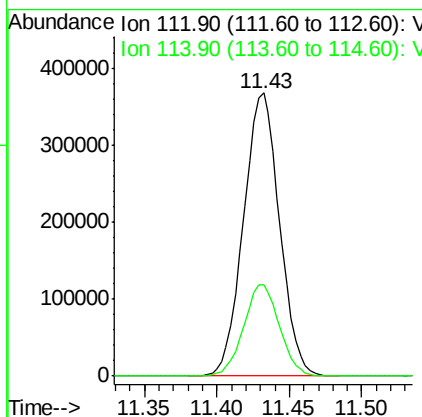
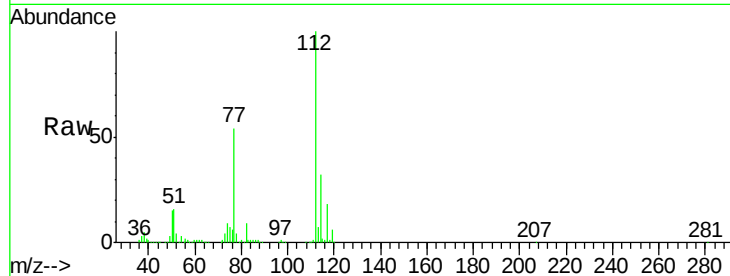
#65
Chlorobenzene
Concen: 18.866 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion:112 Resp: 637765
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2

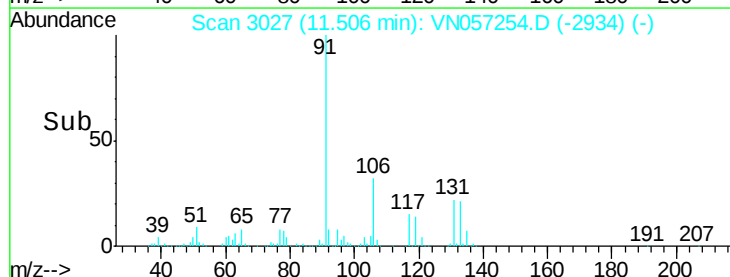
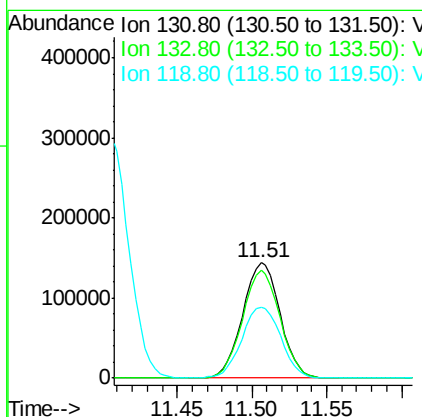
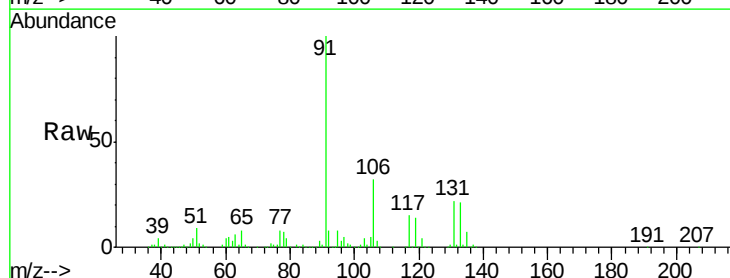
Manual Integrations
APPROVED

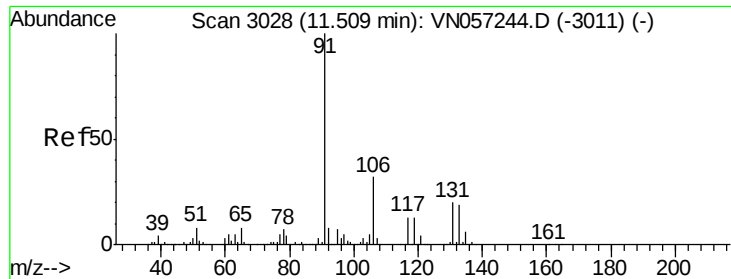
MMDadoda
8/16/2019 8:58:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.241 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion:131 Resp: 251185
Ion Ratio Lower Upper
131 100
133 93.2 46.9 140.7
119 64.5 32.3 96.8





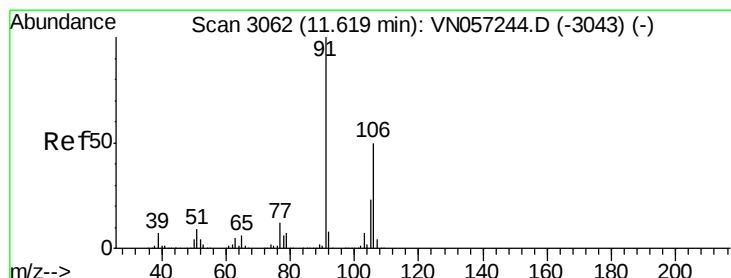
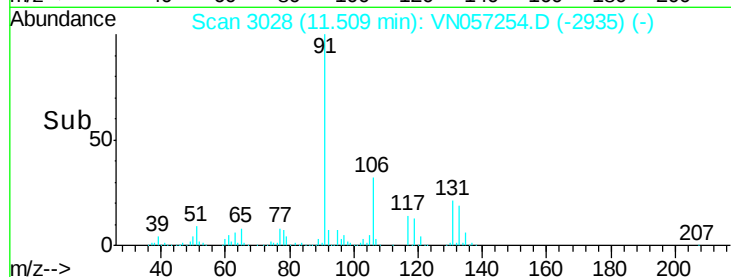
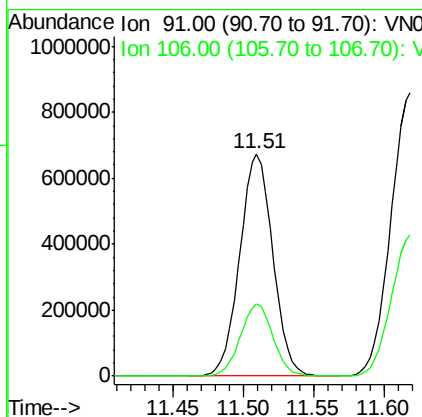
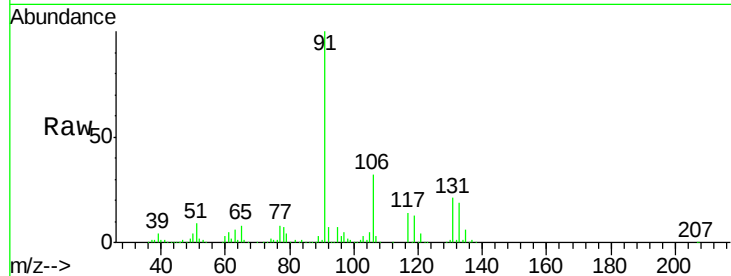
#67
Ethyl Benzene
Concen: 19.189 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion: 91 Resp: 1107429
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.0

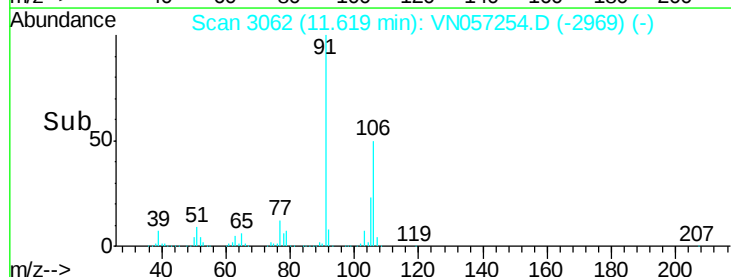
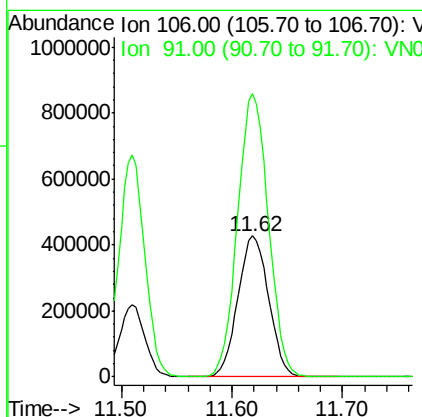
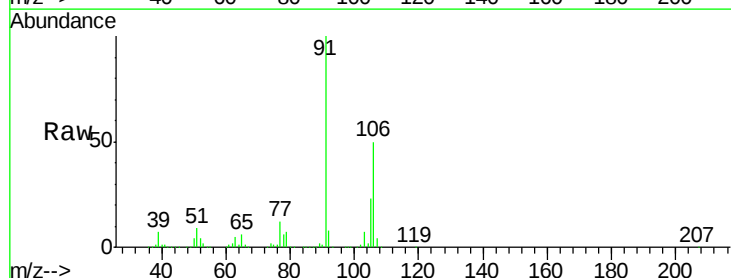
Manual Integrations
APPROVED

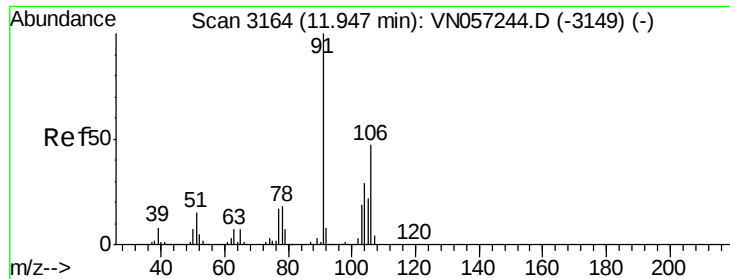
MMDadoda
8/16/2019 8:58:25 AM



#68
m/p-Xylenes
Concen: 38.345 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion: 106 Resp: 825676
Ion Ratio Lower Upper
106 100
91 200.8 161.4 242.0





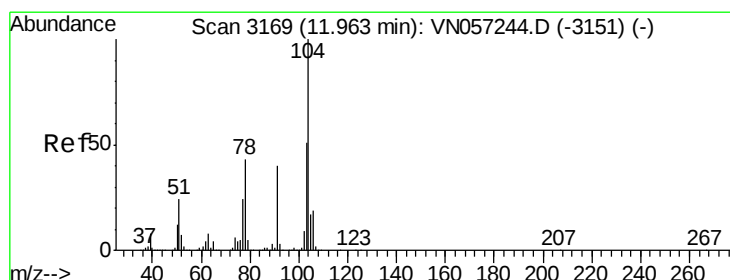
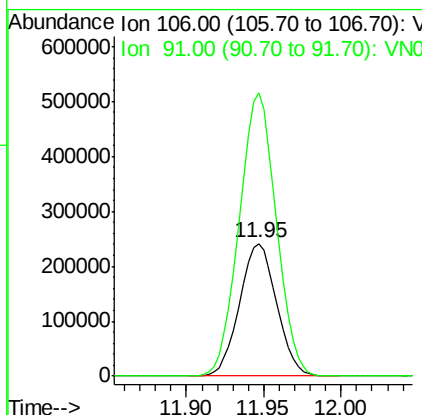
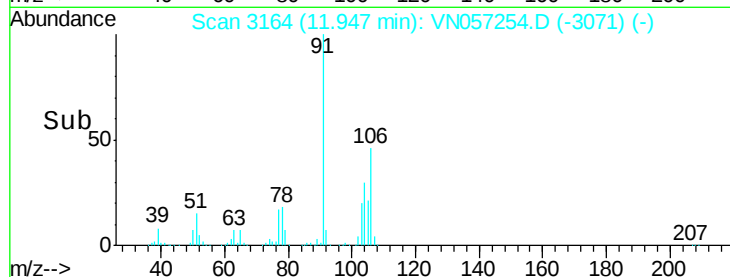
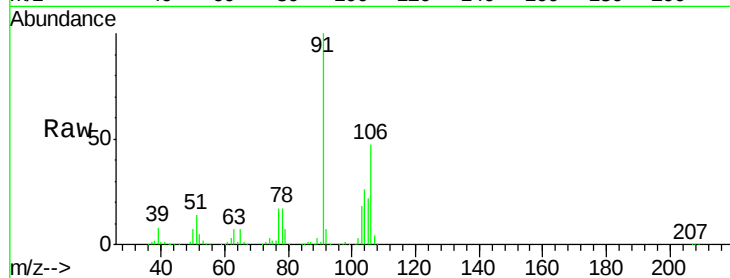
#69
o-Xylene
Concen: 19.089 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion:106 Resp: 402466
Ion Ratio Lower Upper
106 100
91 213.3 106.5 319.4

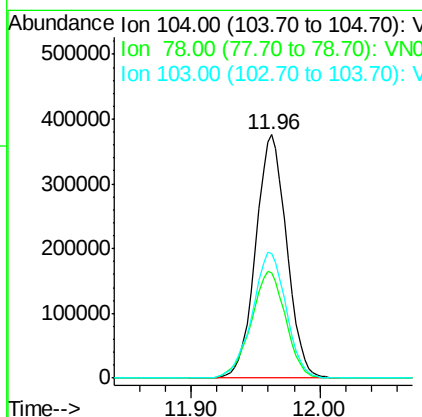
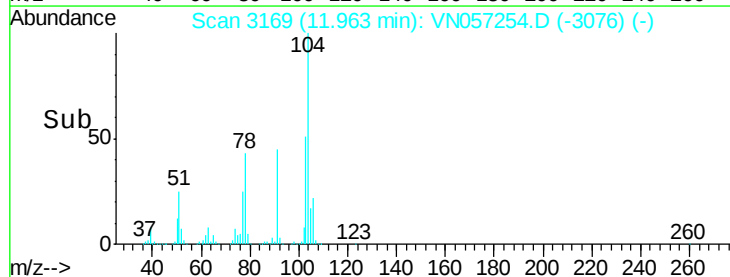
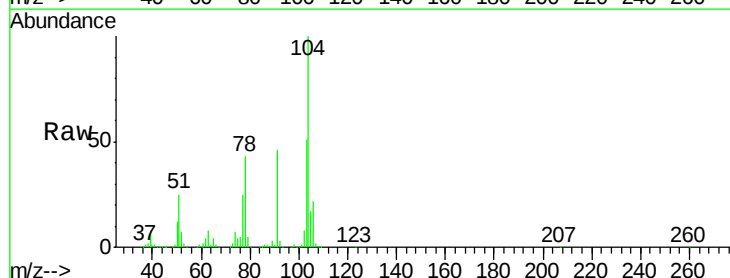
Manual Integrations
APPROVED

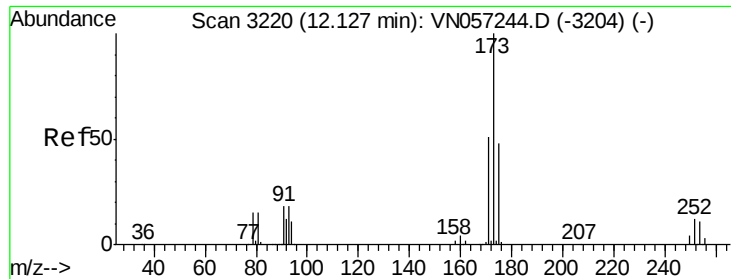
MMDadoda
8/16/2019 8:58:25 AM



#70
Styrene
Concen: 19.342 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion:104 Resp: 631352
Ion Ratio Lower Upper
104 100
78 48.5 38.6 57.8
103 56.3 43.9 65.9





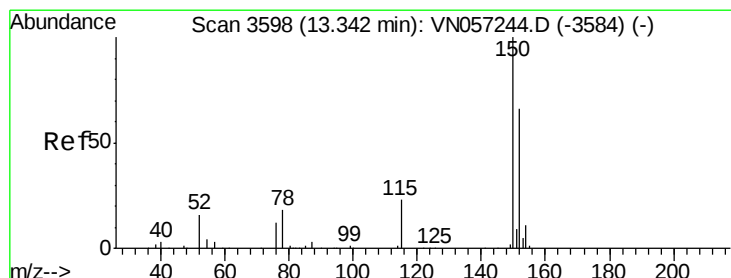
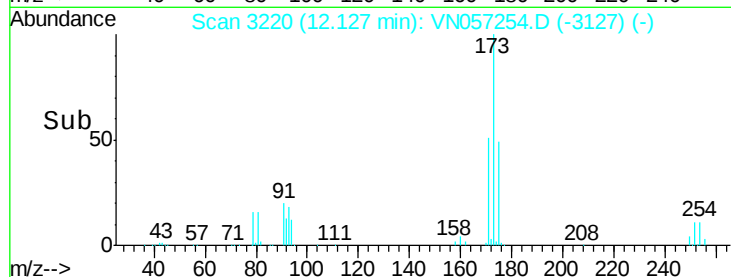
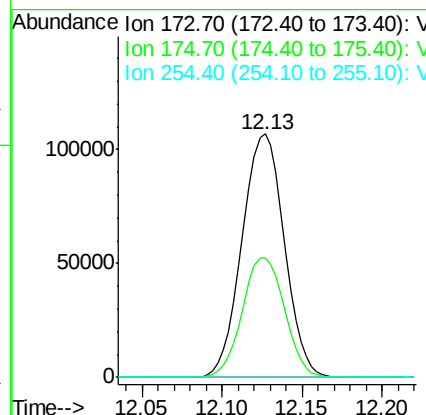
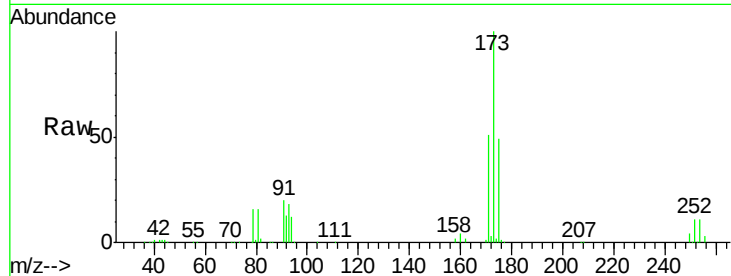
#71
Bromoform
Concen: 19.242 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.2
254	0.0	0.2	0.2

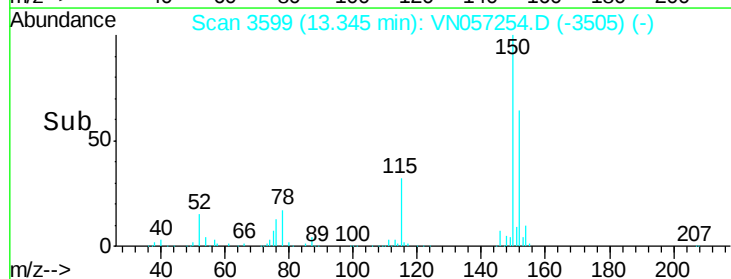
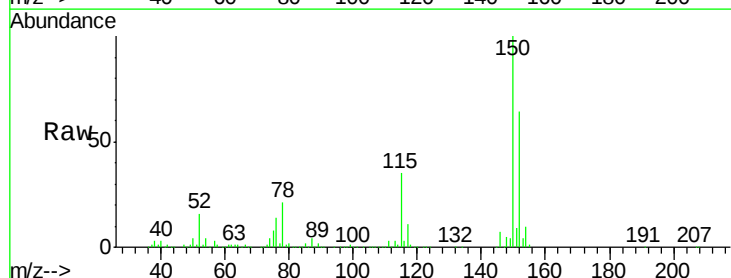
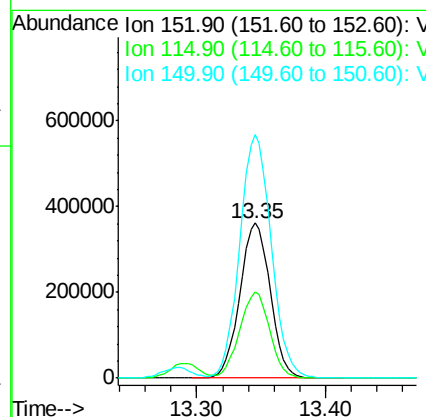
Manual Integrations
APPROVED

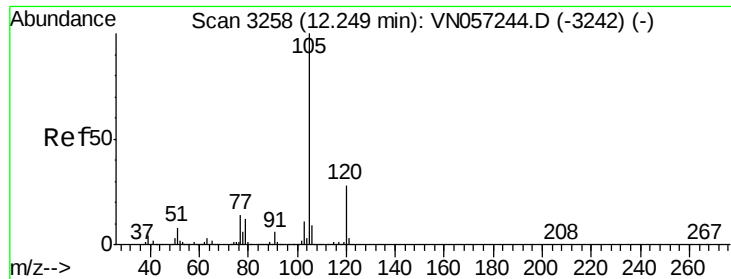
MMDadoda
8/16/2019 8:58:25 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.6	82.8
150	163.6	0.0	348.4





#73

Isopropylbenzene

Concen: 22.431 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion:105 Resp: 1093779

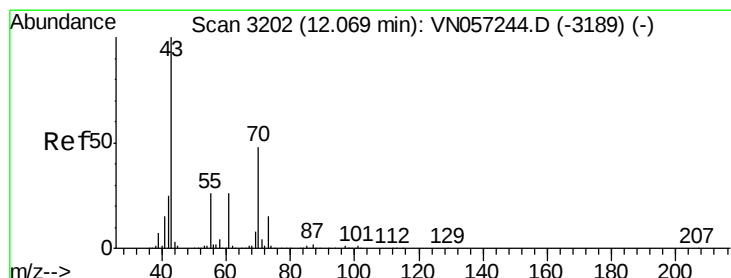
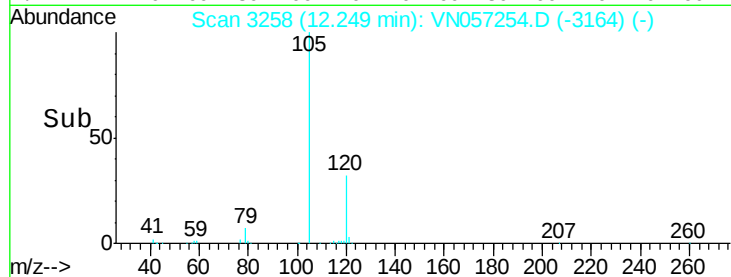
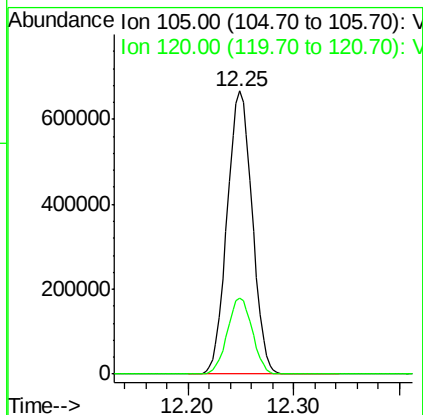
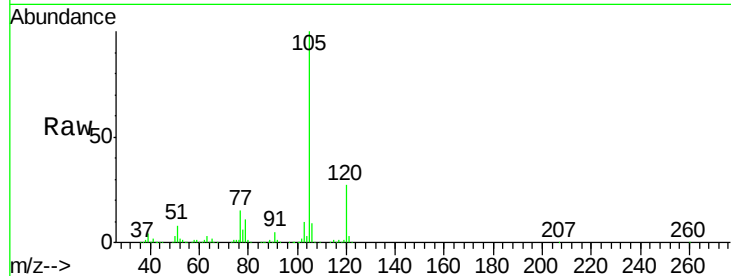
Ion Ratio Lower Upper

105 100

120 26.8 13.8 41.3

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:25 AM



#74

N-ethyl acetate

Concen: 21.459 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Tgt Ion: 43 Resp: 305874

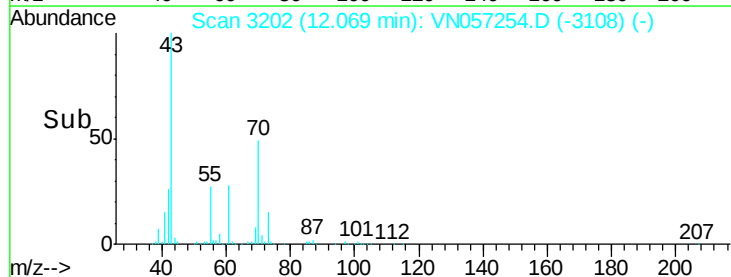
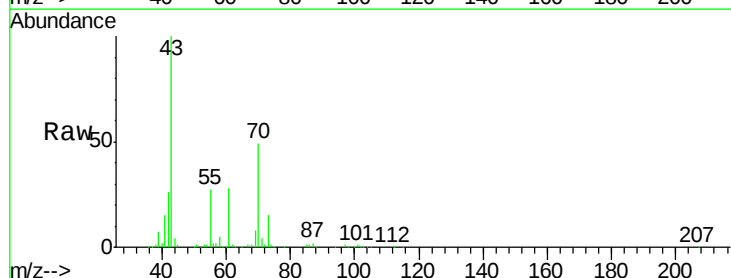
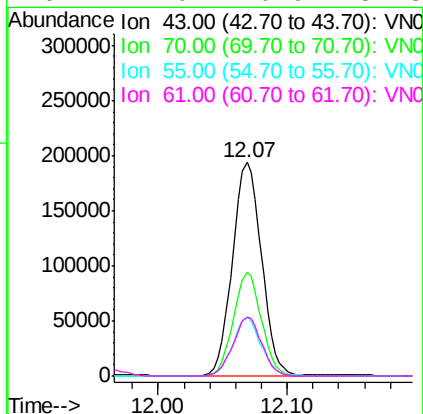
Ion Ratio Lower Upper

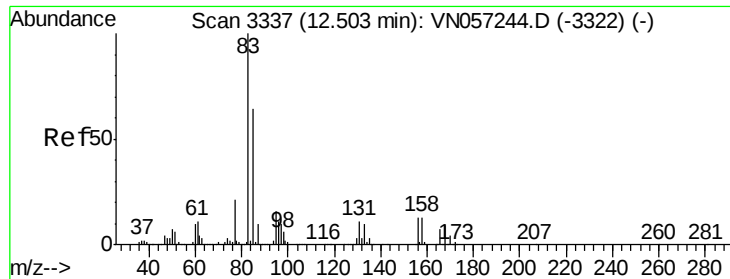
43 100

70 46.6 37.4 56.2

55 26.6 21.0 31.4

61 27.0 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 22.816 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

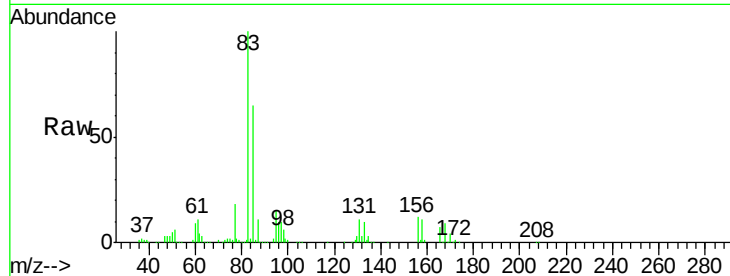
ClientSampleId :

VN0813WBSD01

Tot Ion:	83	Resp:	308609
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.6	16.8
85	65.6	32.3	96.8

Manual Integrations
APPROVED

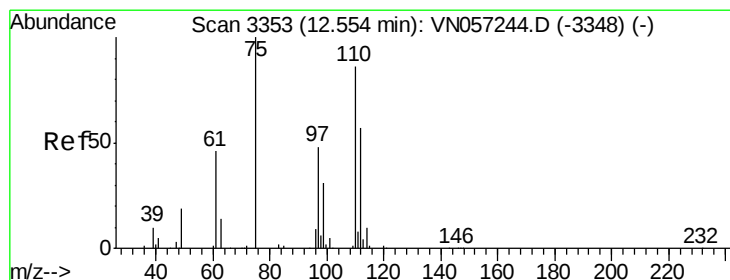
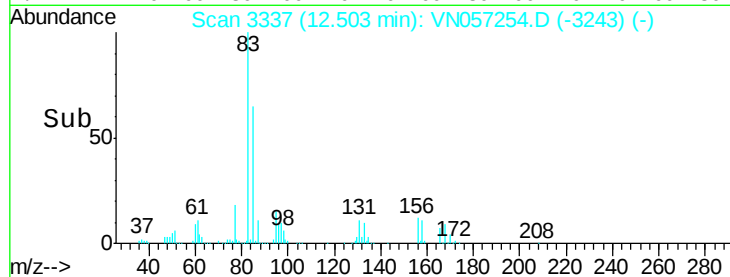
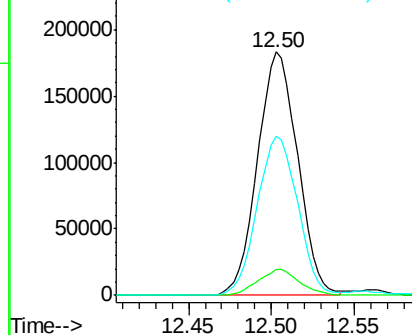
MMDadoda
8/16/2019 8:58:25 AM



Abundance Ion 82.90 (82.60 to 83.60): VN057254.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN057254.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN057254.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 22.758 ug/l m

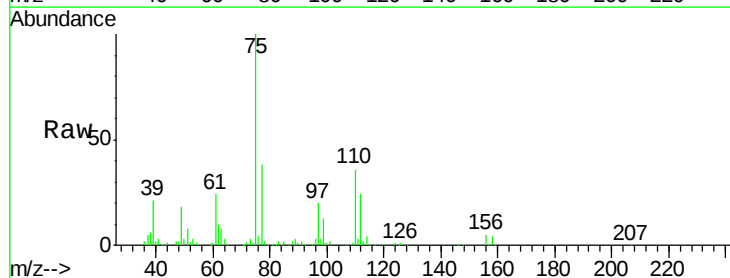
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057254.D

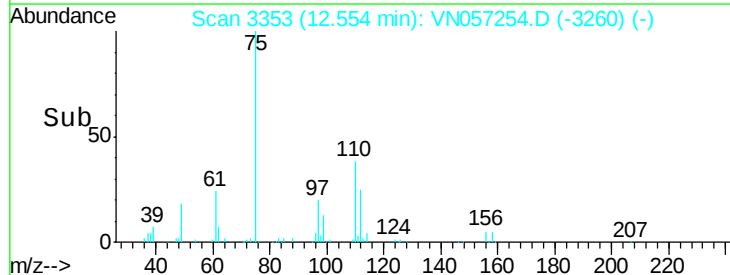
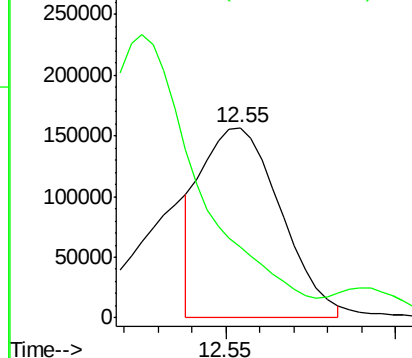
Acq: 13 Aug 2019 18:36

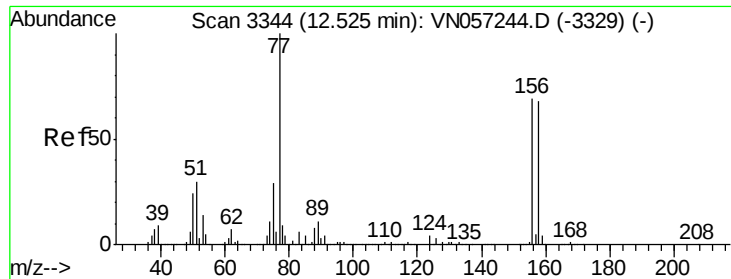
Tgt Ion:	75	Resp:	254413
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057254.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN057254.D (-3260) (-)





#77

Bromobenzene

Concen: 22.001 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

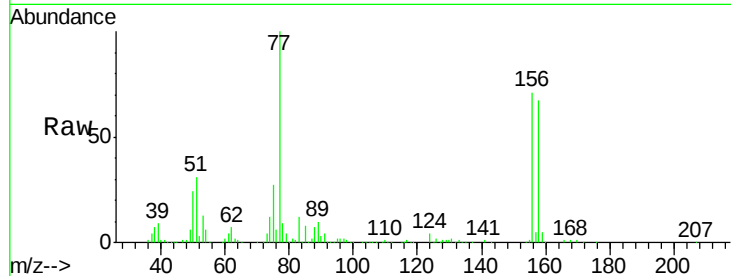
ClientSampleId :

VN0813WBSD01

Tot Ion:	156	Resp:	286051
Ion Ratio	Lower	Upper	
156	100		
77	170.7	88.0	264.1
158	94.5	49.4	148.0

Manual Integrations
APPROVED

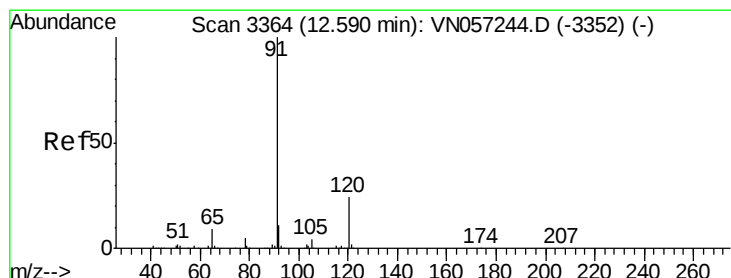
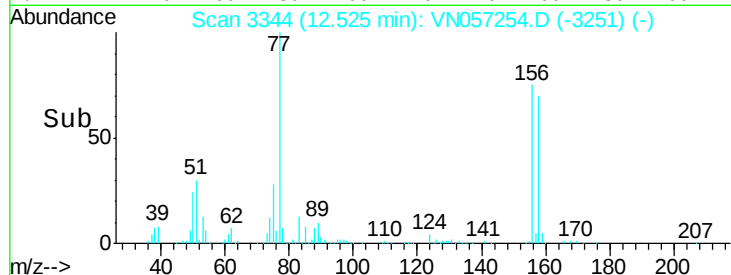
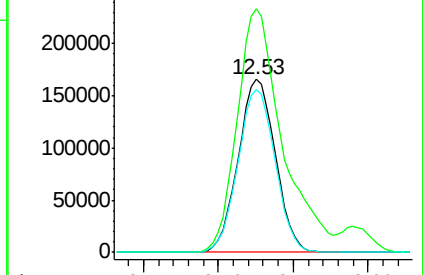
MMDadoda
8/16/2019 8:58:25 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.980 ug/l

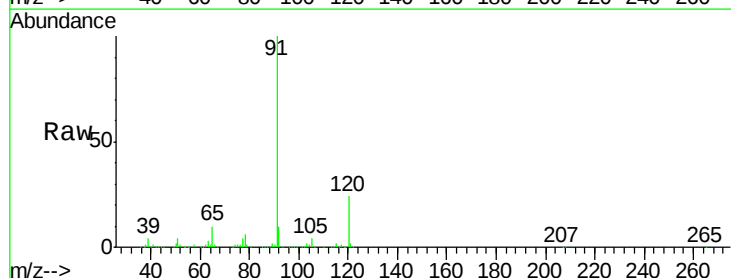
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057254.D

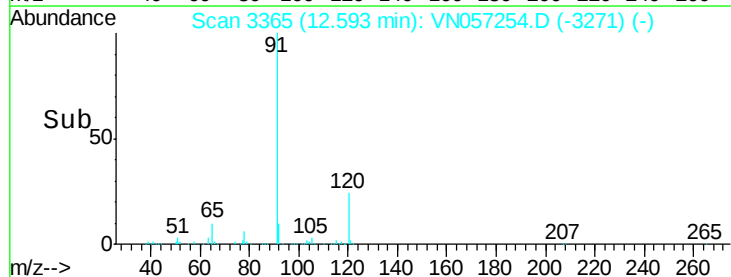
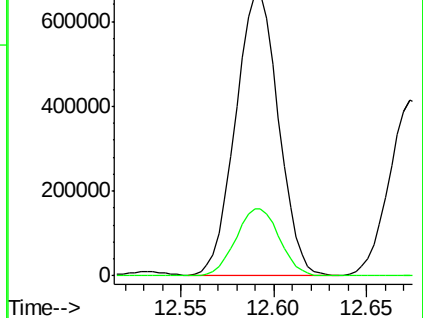
Acq: 13 Aug 2019 18:36

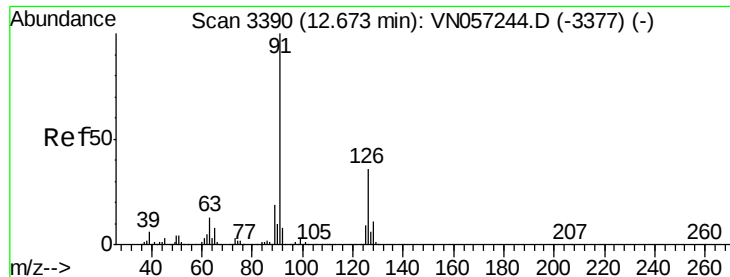
Tgt Ion:	91	Resp:	1071951
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.625 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 91 Resp: 684864

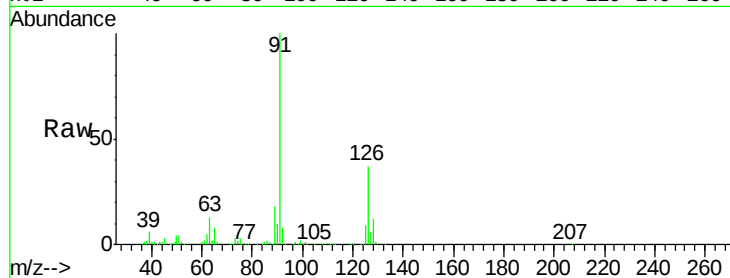
Ion Ratio Lower Upper

91 100

126 36.8 18.0 54.0

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:25 AM



Abundance Ion 91.00 (90.70 to 91.70): VN057244.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN057244.D (-3377) (-)

500000

400000

300000

200000

100000

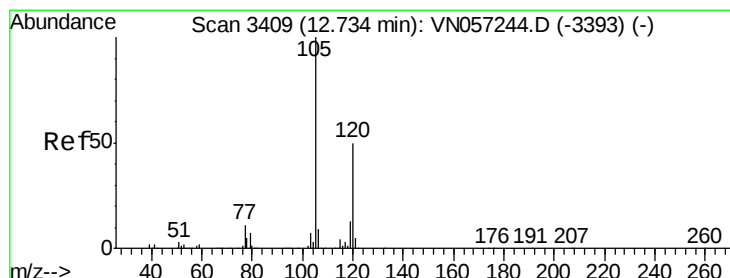
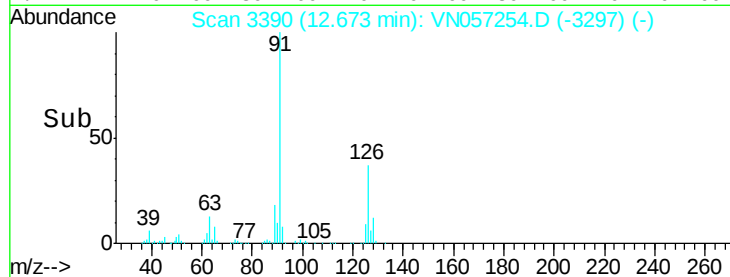
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.799 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057254.D

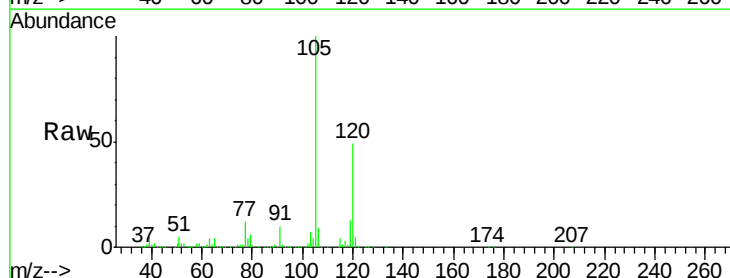
Acq: 13 Aug 2019 18:36

Tgt Ion: 105 Resp: 888568

Ion Ratio Lower Upper

105 100

120 49.2 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VN057244.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057244.D (-3393) (-)

600000

500000

400000

300000

200000

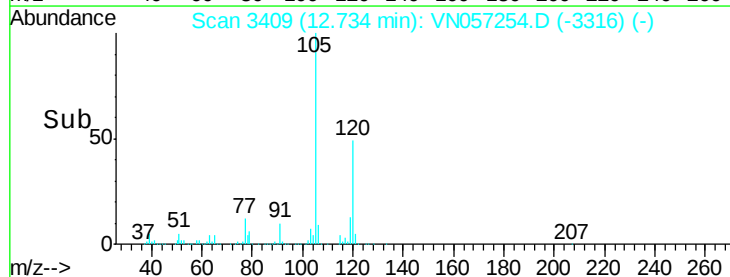
100000

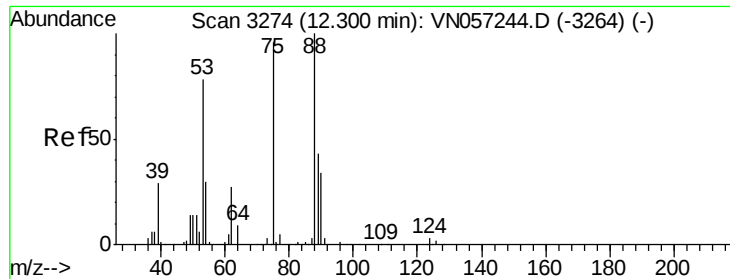
0

12.70

12.80

Time-->





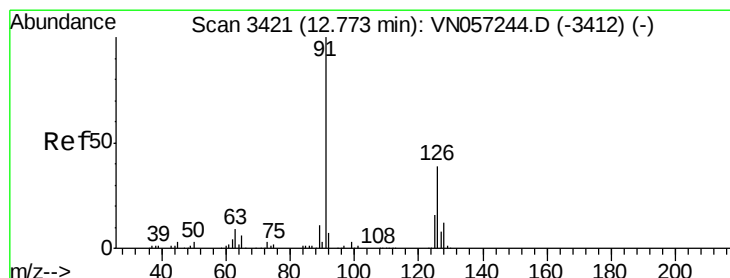
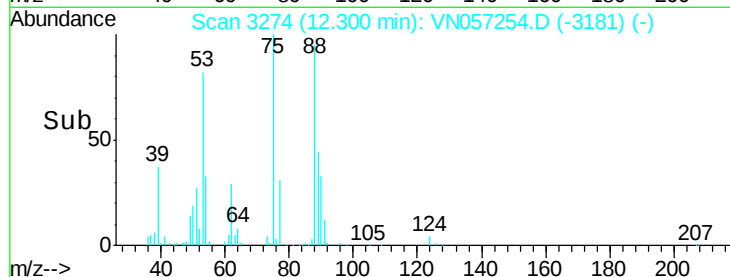
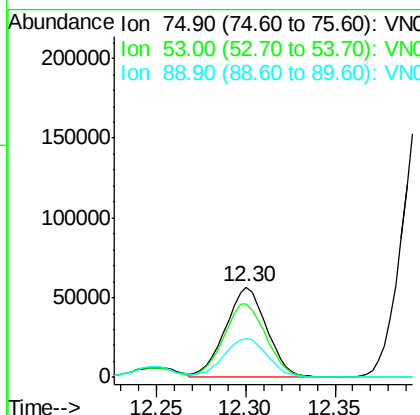
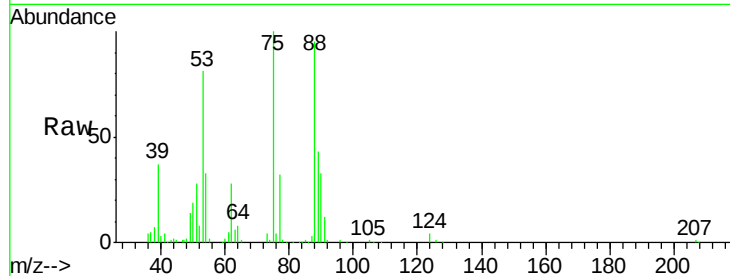
#81
trans-1,4-Dichloro-2-butene
Concen: 20.484 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.0	65.8	98.6
89	46.2	36.7	55.1

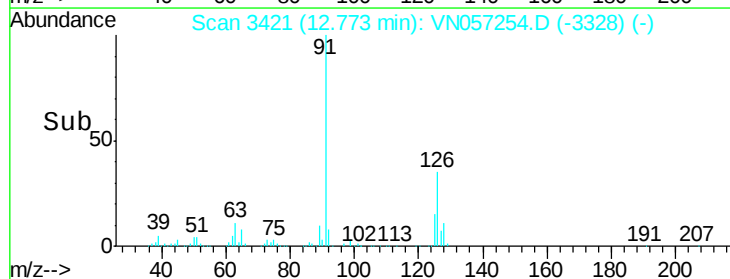
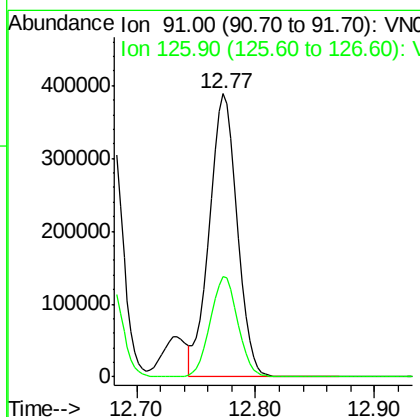
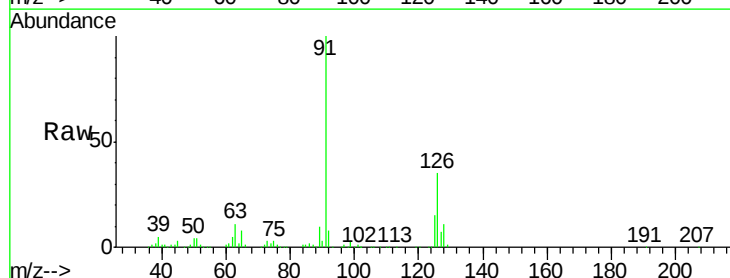
Manual Integrations
APPROVED

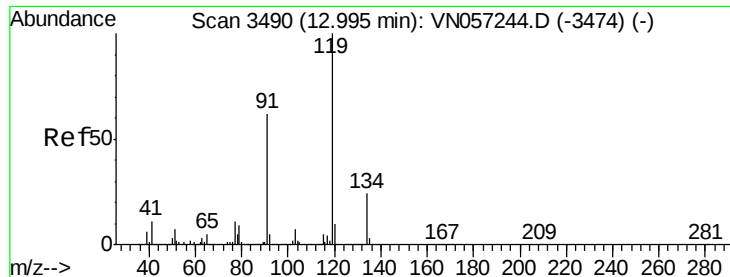
MMDadoda
8/16/2019 8:58:25 AM



#82
4-Chlorotoluene
Concen: 19.495 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.9	53.7





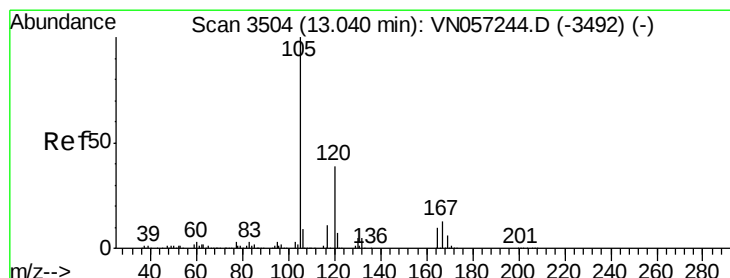
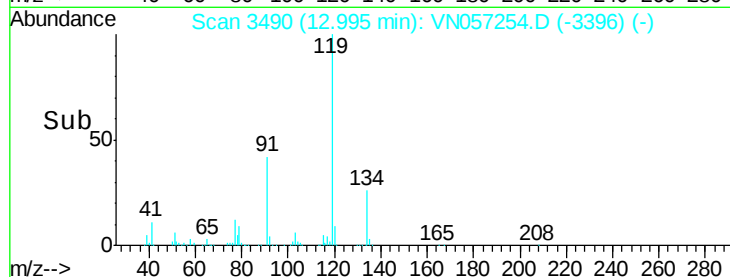
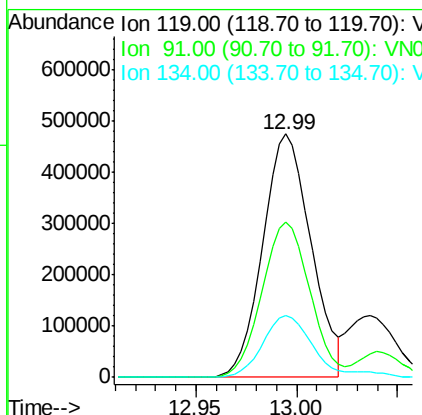
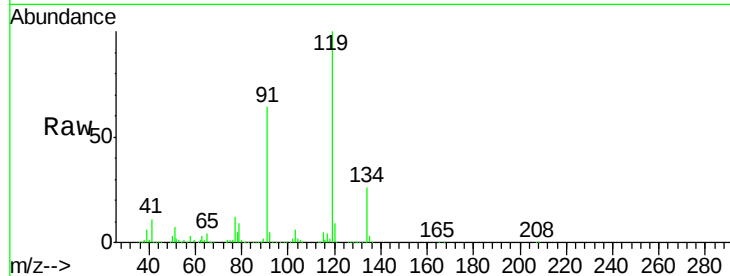
#83
 tert-Butylbenzene
 Concen: 21.525 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	790616		
91	63.3		30.8	92.3
134	27.2		12.9	38.7

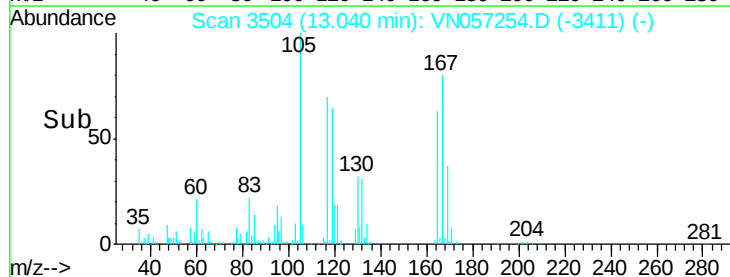
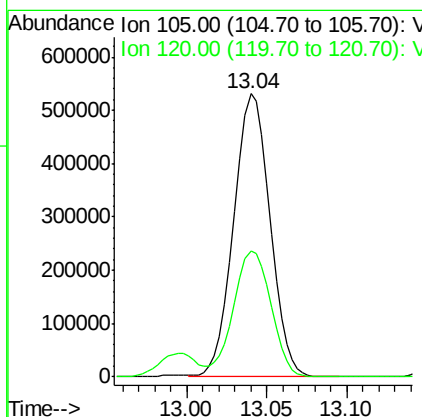
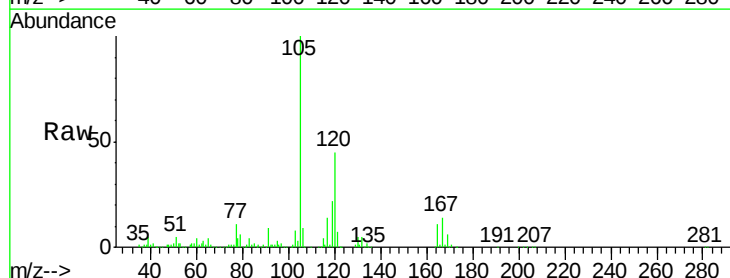
Manual Integrations
 APPROVED

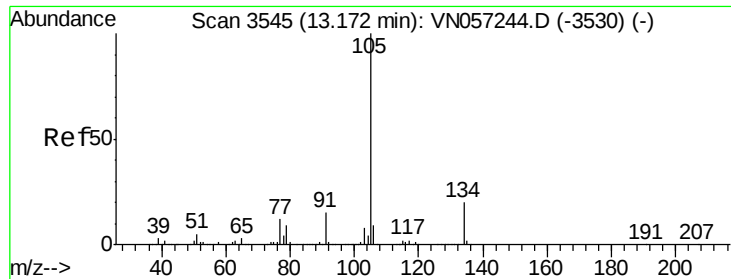
MMDadoda
 8/16/2019 8:58:25 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.695 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	818174		
120	46.4		23.2	69.5





#85

sec-Butylbenzene

Concen: 20.744 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion:105 Resp: 938661

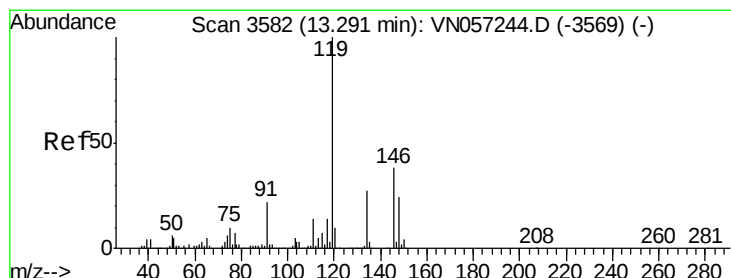
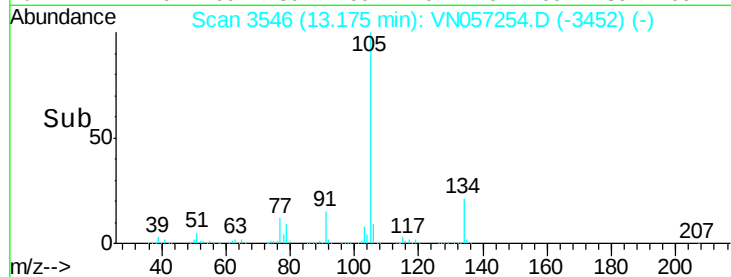
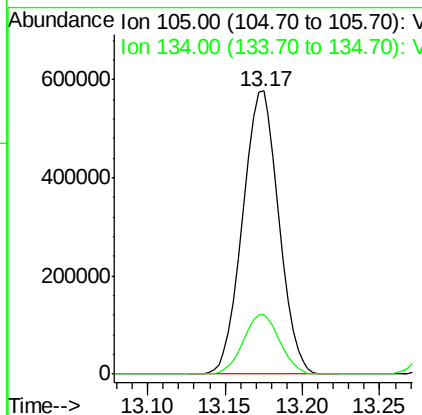
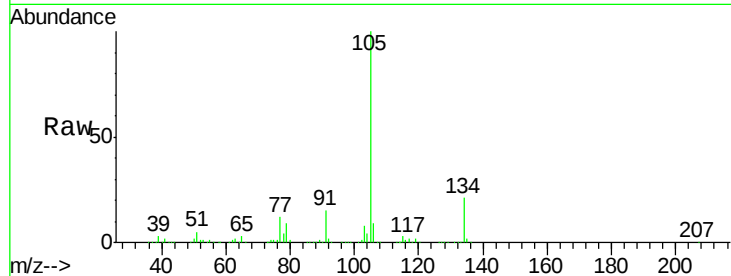
Ion Ratio Lower Upper

105 100

134 21.3 10.4 31.2

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:25 AM



#86

p-Isopropyltoluene

Concen: 18.827 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

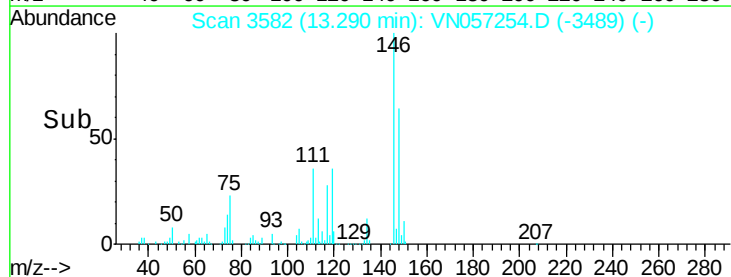
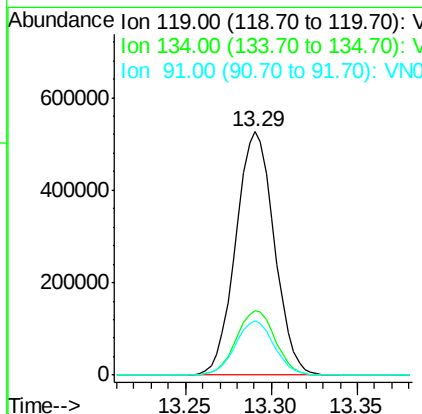
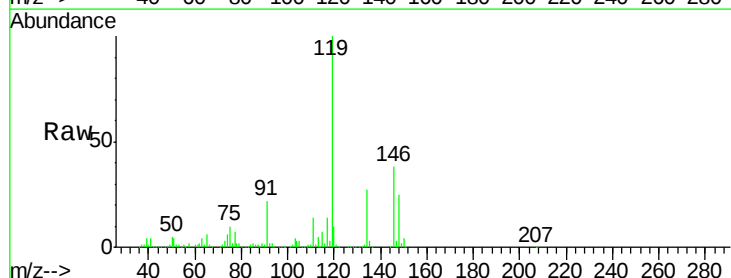
Tgt Ion:119 Resp: 816698

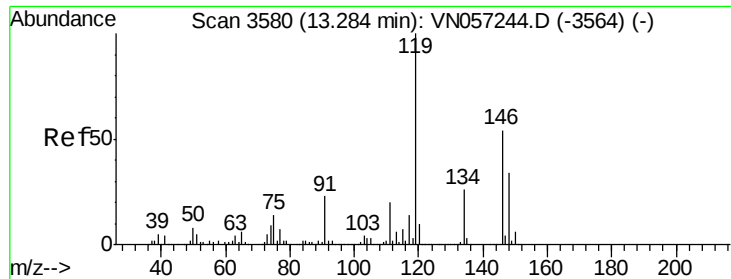
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 22.3 11.1 33.3





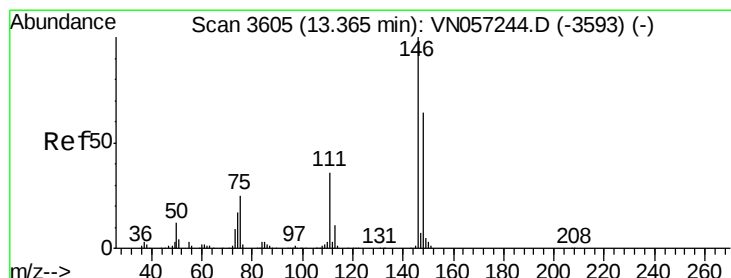
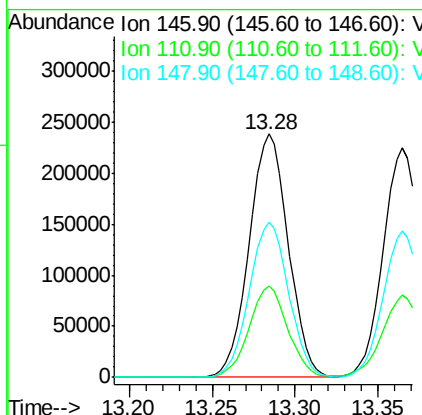
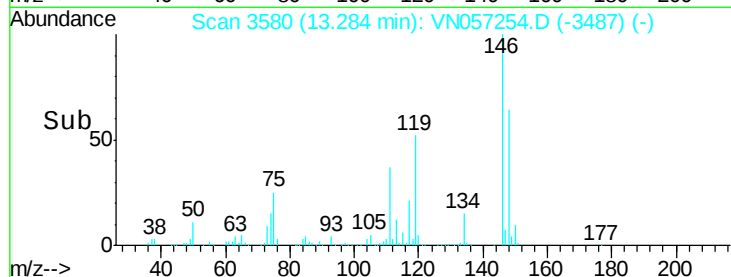
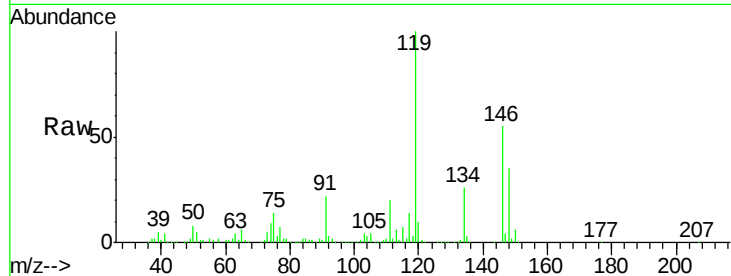
#87
 1,3-Dichlorobenzene
 Concen: 19.110 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.4
148	64.3	32.1	96.5

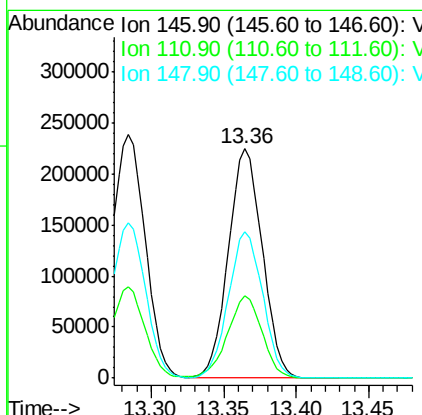
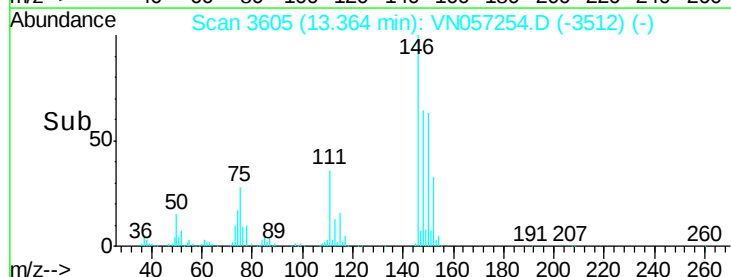
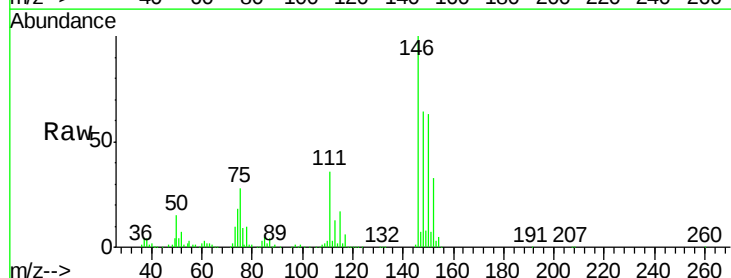
Manual Integrations
 APPROVED

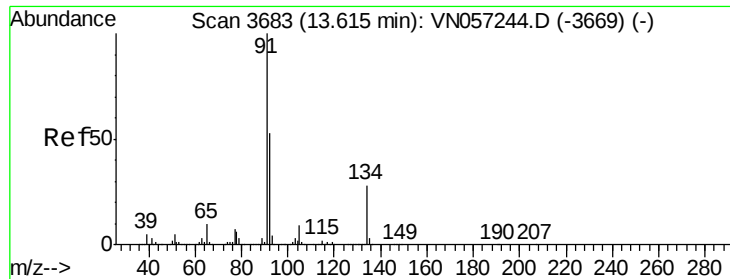
MMDadoda
 8/16/2019 8:58:25 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.439 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.3	54.8
148	64.4	32.0	96.0





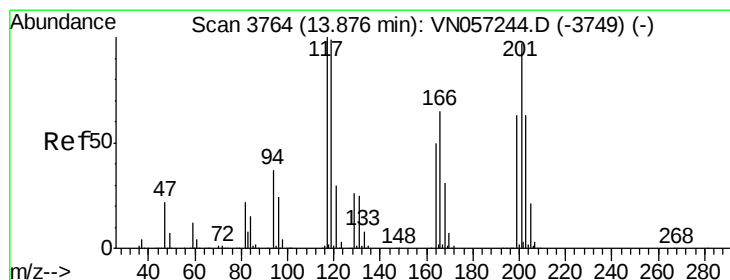
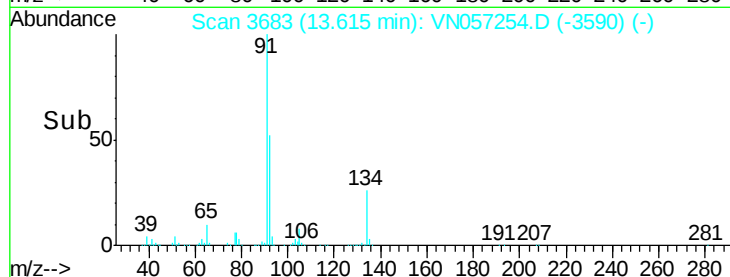
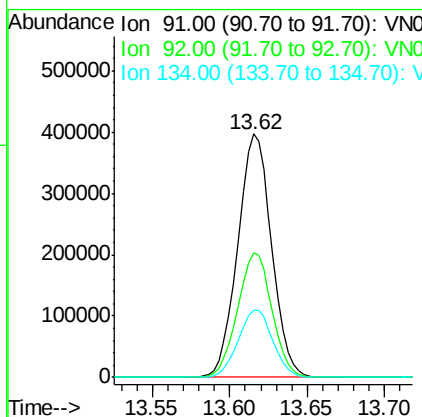
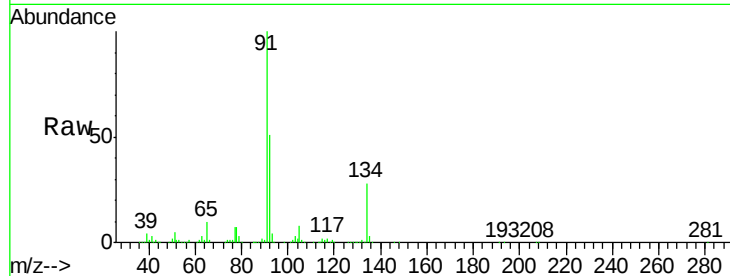
#89
n-Butylbenzene
Concen: 19.766 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.3	78.9
134	28.4	14.1	42.3

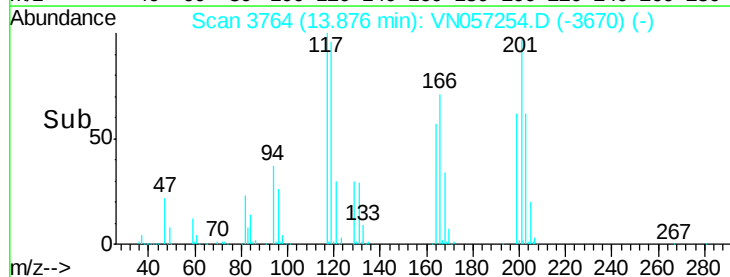
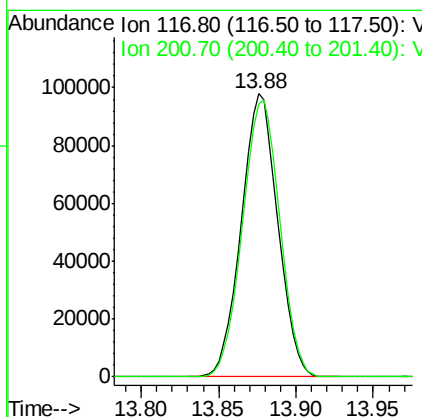
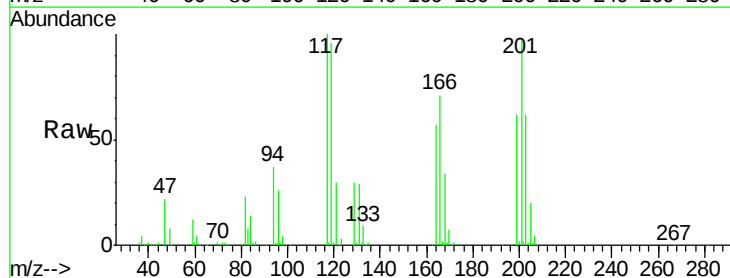
Manual Integrations
APPROVED

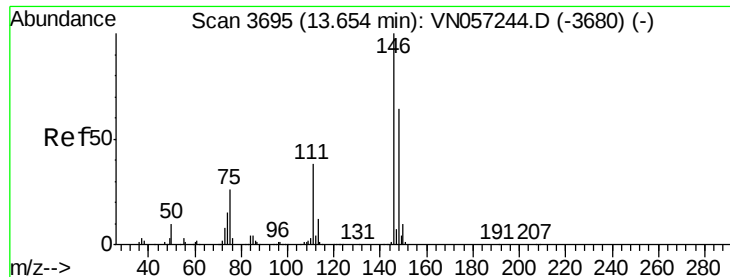
MMDadoda
8/16/2019 8:58:25 AM



#90
Hexachloroethane
Concen: 21.274 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.8	49.5	148.5





#91

1,2-Dichlorobenzene

Concen: 19.197 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Instrument :

MSVOA_N

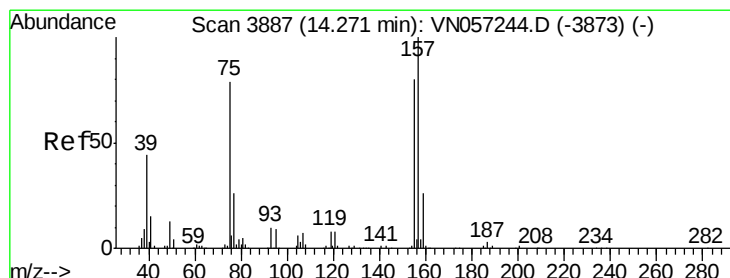
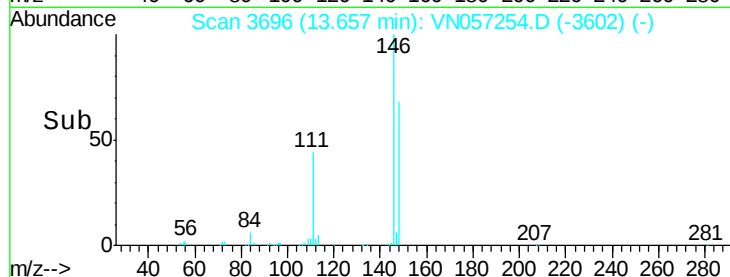
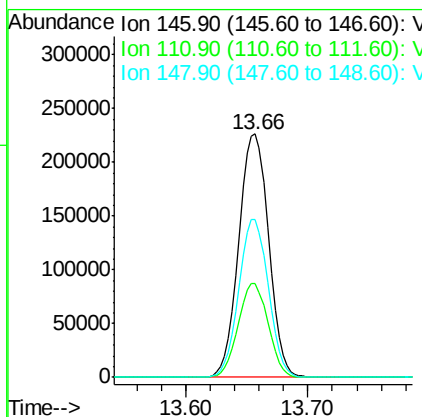
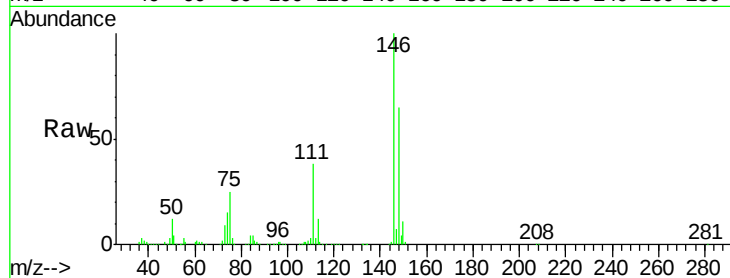
ClientSampleId :

VN0813WBSD01

Tot Ion:	146	Resp:	382519
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.3	57.9
148	64.2	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:25 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.595 ug/l

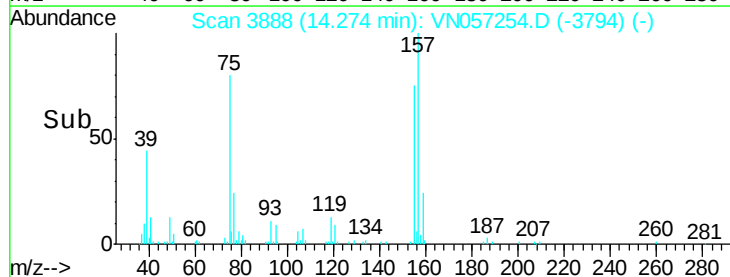
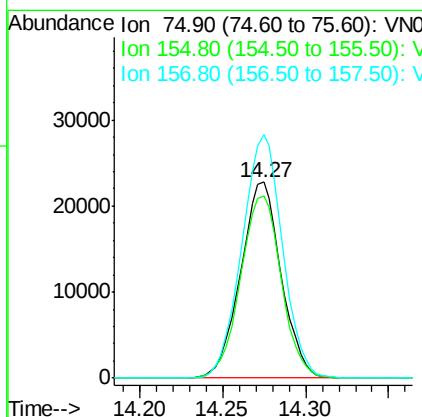
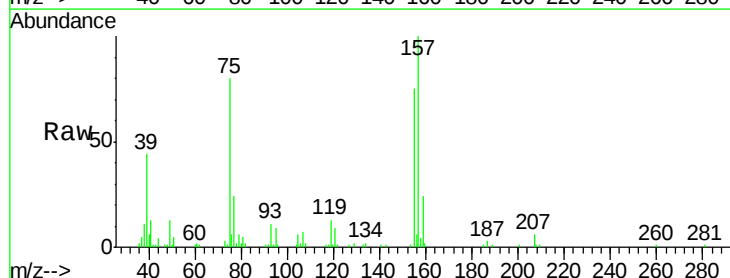
RT: 14.27 min Scan# 3888

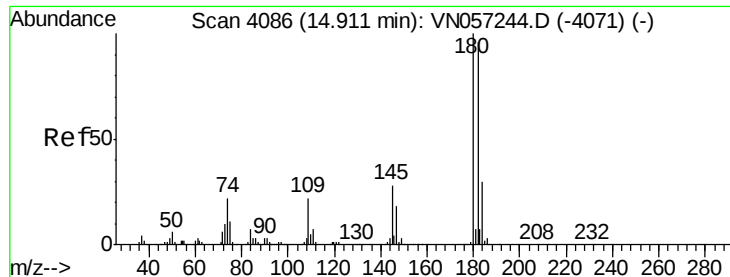
Delta R.T. 0.00 min

Lab File: VN057254.D

Acq: 13 Aug 2019 18:36

Tgt Ion:	75	Resp:	38613
Ion Ratio	Lower	Upper	
75	100		
155	93.8	50.3	151.0
157	124.5	65.3	195.9





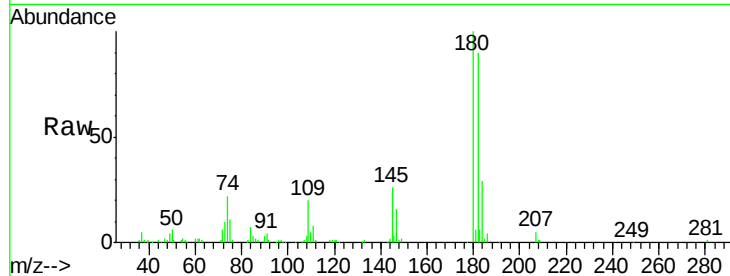
#93
 1,2,4-Trichlorobenzene
 Concen: 14.775 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.7	143.1
145	27.1	14.2	42.6

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:58:25 AM

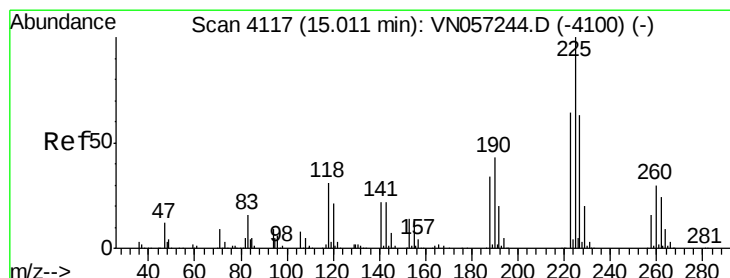
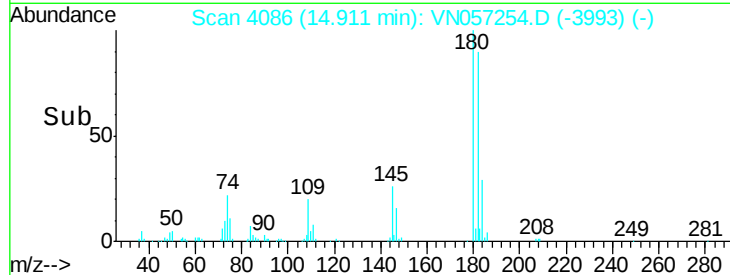
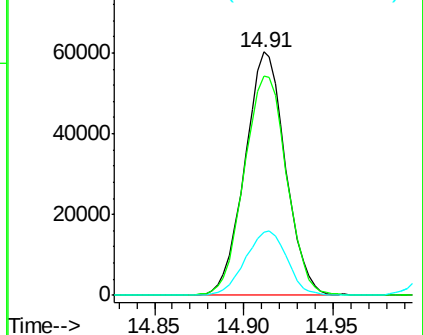


Abundance

Ion 179.80 (179.50 to 180.50): V

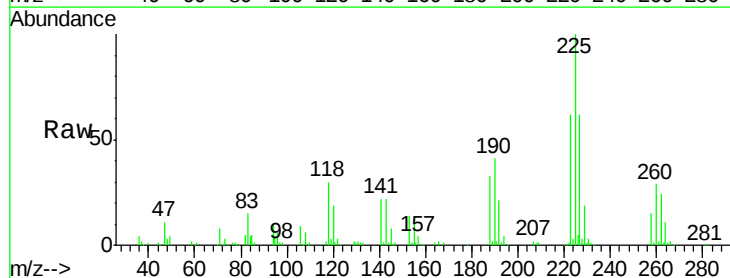
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.003 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057254.D
 Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.4	94.2
227	64.1	31.4	94.3

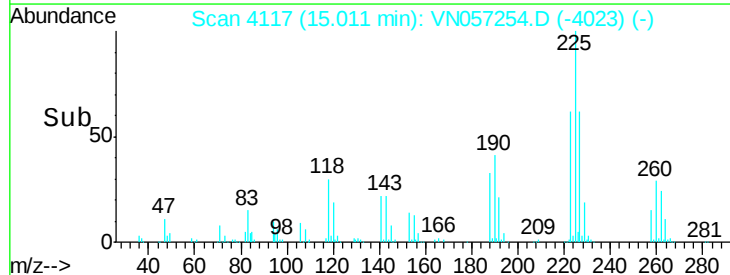
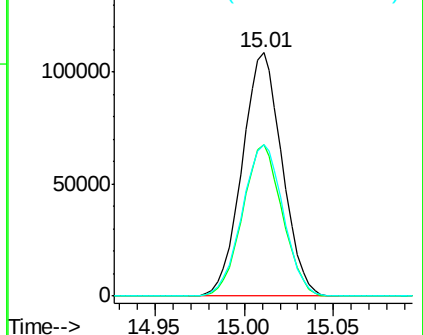


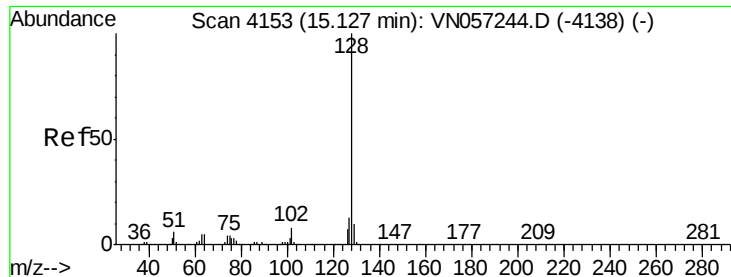
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





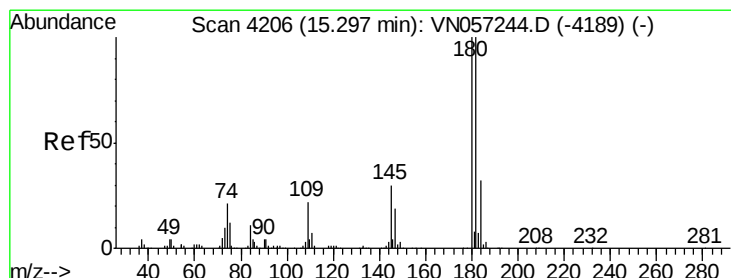
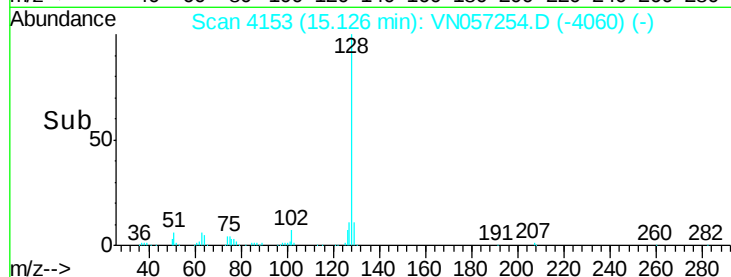
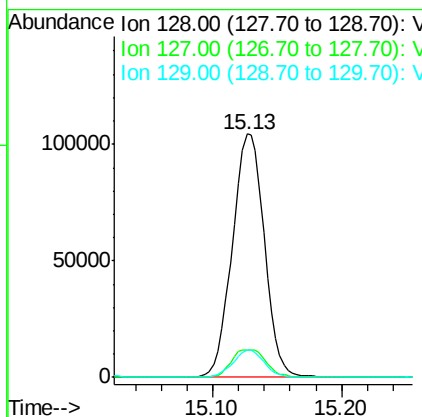
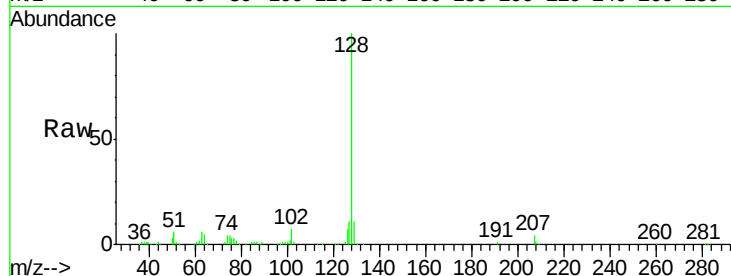
#95
Naphthalene
Concen: 17.760 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	180197		
127	12.3	10.4	15.6	
129	10.7	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.884 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN057254.D
Acq: 13 Aug 2019 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	96390		
182	91.8	48.9	146.7	
145	28.2	15.0	45.1	

