

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
 Data File : VN058355.D
 Acq On : 25 Sep 2019 10:46
 Operator : JC/SP
 Sample : VN0925WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 1:00:15 PM

Quant Time: Sep 26 02:16:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	437334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	750460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	664831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	308577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	313033	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	7.57	113	225960	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	10.09	98	865696	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.41	95	311379	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	65214	18.152	ug/l	99
3) Chloromethane	2.04	50	54618	19.084	ug/l	99
4) Vinyl Chloride	2.17	62	59382	19.049	ug/l	99
5) Bromomethane	2.55	94	30499	19.474	ug/l	91
6) Chloroethane	2.69	64	41184	20.187	ug/l	99
7) Trichlorofluoromethane	3.00	101	93658	19.099	ug/l	98
8) Diethyl Ether	3.39	74	41987	18.687	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	69836	19.753	ug/l	100
10) Methyl Iodide	3.93	142	50849	17.164	ug/l	99
11) Tert butyl alcohol	4.76	59	81291	112.193	ug/l #	88
12) 1,1-Dichloroethene	3.72	96	53365	19.674	ug/l	99
13) Acrolein	3.60	56	5849	54.471	ug/l	100
14) Allyl chloride	4.30	41	109437	18.916	ug/l	96
15) Acrylonitrile	4.97	53	208642	108.080	ug/l	99
16) Acetone	3.80	43	213638	103.327	ug/l	98
17) Carbon Disulfide	4.03	76	66362	17.747	ug/l	99
18) Methyl Acetate	4.30	43	114936	21.126	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	278471	20.883	ug/l	98
20) Methylene Chloride	4.53	84	74101	20.339	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	58691	19.831	ug/l	93
22) Diisopropyl ether	5.93	45	301784	20.535	ug/l	97
23) Vinyl Acetate	5.87	43	1068385	106.246	ug/l	100
24) 1,1-Dichloroethane	5.83	63	157459	20.075	ug/l	98
25) 2-Butanone	6.82	43	298292	105.895	ug/l	97
26) 2,2-Dichloropropane	6.81	77	125516	18.863	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	86024	19.397	ug/l	97
28) Bromochloromethane	7.18	49	76062	20.499	ug/l	97
29) Tetrahydrofuran	7.19	42	180525	104.043	ug/l	99
30) Chloroform	7.36	83	168305	19.935	ug/l	100
31) Cyclohexane	7.64	56	105270	19.280	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	130193	20.256	ug/l	99
36) 1,1-Dichloropropene	7.78	75	95277	17.605	ug/l	99
37) Ethyl Acetate	6.91	43	119690	21.311	ug/l	98
38) Carbon Tetrachloride	7.76	117	100324	18.441	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
 Data File : VN058355.D
 Acq On : 25 Sep 2019 10:46
 Operator : JC/SP
 Sample : VN0925WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 1:00:15 PM

Quant Time: Sep 26 02:16:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	94875	18.177	ug/l	97
40) Benzene	8.03	78	310291	18.771	ug/l	99
41) Methacrylonitrile	7.15	41	50310	18.368	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	135707	19.565	ug/l	100
43) Isopropyl Acetate	8.15	43	198980	18.970	ug/l	98
44) Trichloroethene	8.82	130	77029	19.043	ug/l	99
45) 1,2-Dichloropropane	9.11	63	99778	20.212	ug/l	100
46) Dibromomethane	9.20	93	59300	19.758	ug/l	99
47) Bromodichloromethane	9.39	83	126332	20.092	ug/l	99
48) Methyl methacrylate	9.19	41	97490	20.470	ug/l	99
49) 1,4-Dioxane	9.19	88	35321	451.721	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	640633	114.986	ug/l	98
52) Toluene	10.15	92	195198	18.842	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	125166	19.434	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	136063	19.134	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	94469	20.549	ug/l	97
56) Ethyl methacrylate	10.43	69	133254	20.089	ug/l	100
57) 1,3-Dichloropropane	10.71	76	155779	19.711	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	326392	103.305	ug/l	99
59) 2-Hexanone	10.75	43	452899	109.453	ug/l	99
60) Dibromochloromethane	10.90	129	86593	19.579	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84674	19.874	ug/l	100
64) Tetrachloroethene	10.63	164	60491	18.665	ug/l	96
65) Chlorobenzene	11.44	112	228594	19.548	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	87329	20.595	ug/l	98
67) Ethyl Benzene	11.51	91	400388	19.982	ug/l	99
68) m/p-Xylenes	11.62	106	287020	38.033	ug/l	96
69) o-Xylene	11.95	106	147748	19.911	ug/l	97
70) Styrene	11.97	104	250322	19.579	ug/l	99
71) Bromoform	12.13	173	54502	19.685	ug/l #	99
73) Isopropylbenzene	12.25	105	410490	21.252	ug/l	99
74) N-amyl acetate	12.08	43	175419	21.710	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	145308	22.465	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	114682m	20.766	ug/l	
77) Bromobenzene	12.53	156	96502	19.862	ug/l	97
78) n-propylbenzene	12.60	91	480245	21.880	ug/l	99
79) 2-Chlorotoluene	12.68	91	287116	20.931	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	350782	21.477	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32460	21.251	ug/l	94
82) 4-Chlorotoluene	12.78	91	298217	20.682	ug/l	99
83) tert-Butylbenzene	13.00	119	316705	21.743	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	366047	22.520	ug/l	100
85) sec-Butylbenzene	13.18	105	417973	21.944	ug/l	100
86) p-Isopropyltoluene	13.30	119	369529	21.823	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	182973	20.619	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	179170	19.777	ug/l	98
89) n-Butylbenzene	13.62	91	332472	20.710	ug/l	99
90) Hexachloroethane	13.88	117	55780	20.548	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	184787	20.759	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25146	21.594	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
Data File : VN058355.D
Acq On : 25 Sep 2019 10:46
Operator : JC/SP
Sample : VN0925WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

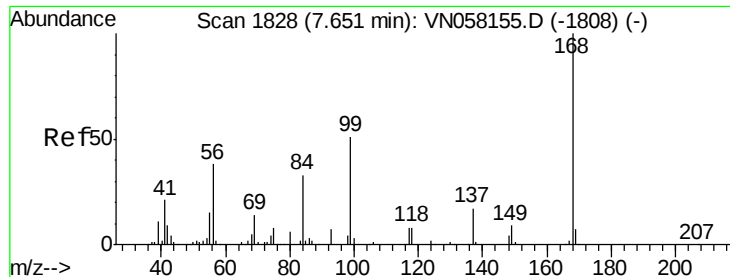
Manual Integrations
APPROVED

MMDadoda
9/26/2019 1:00:15 PM

Quant Time: Sep 26 02:16:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	111871	19.670	ug/l	99
94) Hexachlorobutadiene	15.02	225	55116	20.050	ug/l	98
95) Naphthalene	15.14	128	330591	22.429	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	106781	19.864	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion:168 Resp: 437334

Ion Ratio Lower Upper

168 100

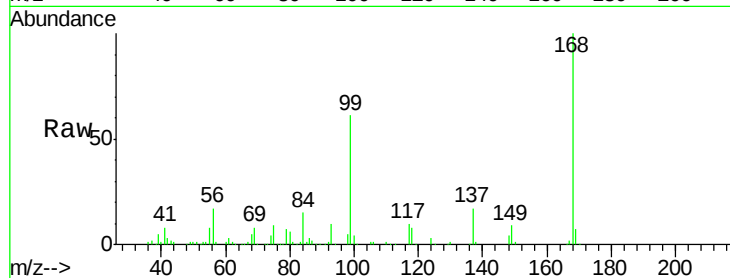
99 60.2 47.4 71.2

Manual Integrations

APPROVED

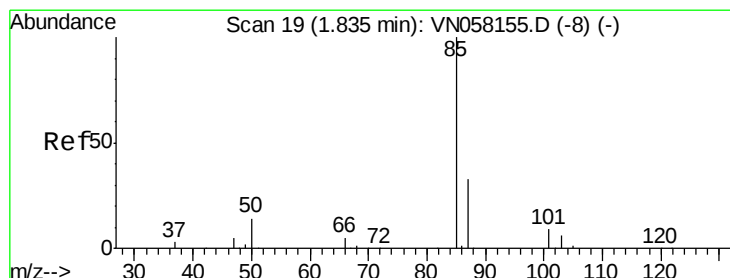
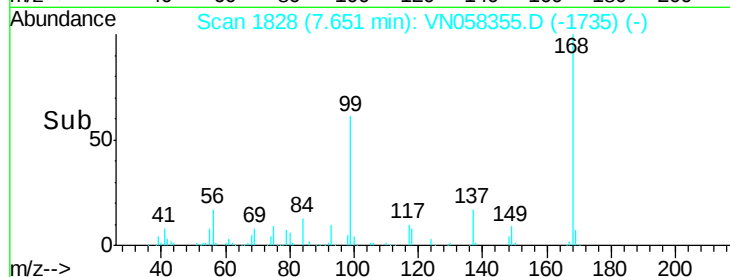
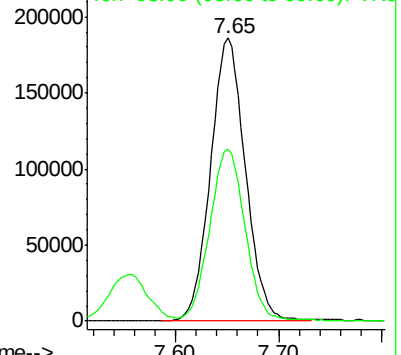
MMDadoda

9/26/2019 1:00:15 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.152 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058355.D

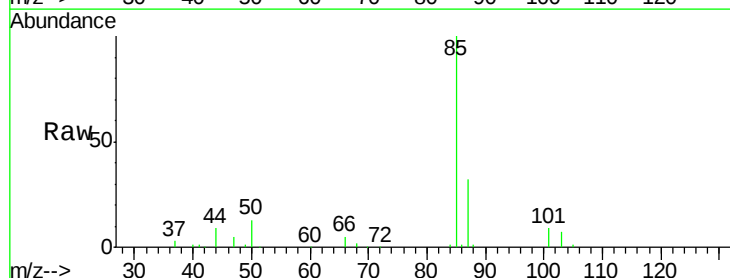
Acq: 25 Sep 2019 10:46

Tgt Ion: 85 Resp: 65214

Ion Ratio Lower Upper

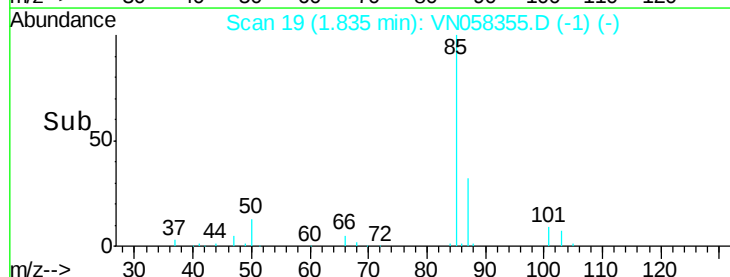
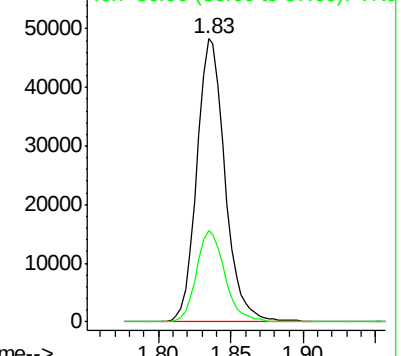
85 100

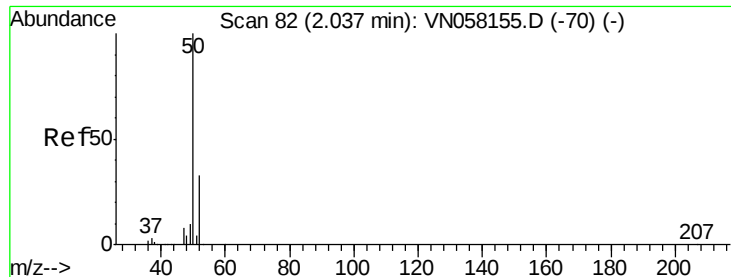
87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.084 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion: 50 Resp: 54618

Ion Ratio Lower Upper

50 100

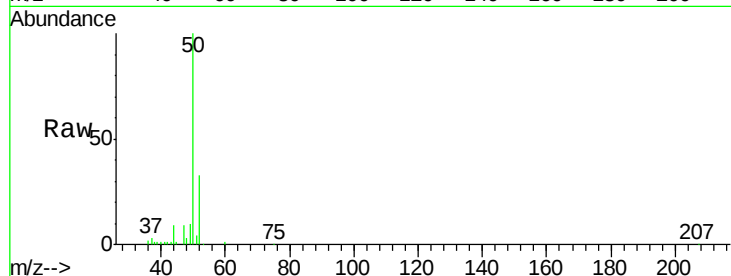
52 33.4 26.3 39.5

Manual Integrations

APPROVED

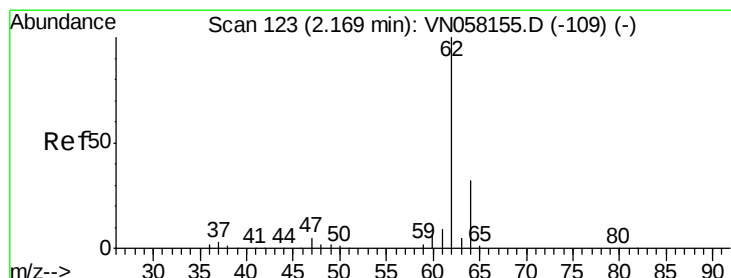
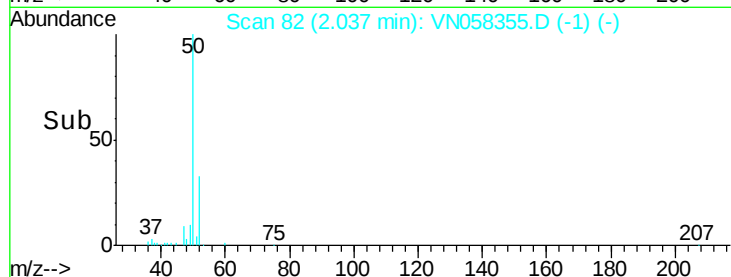
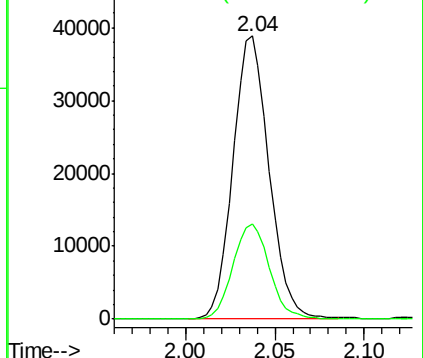
MMDadoda

9/26/2019 1:00:15 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.049 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058355.D

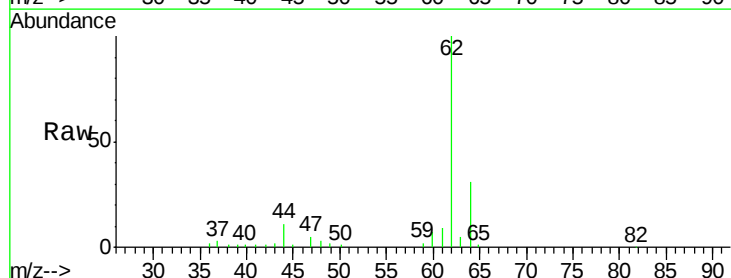
Acq: 25 Sep 2019 10:46

Tgt Ion: 62 Resp: 59382

Ion Ratio Lower Upper

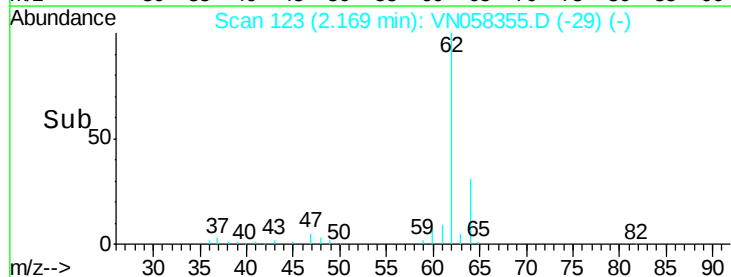
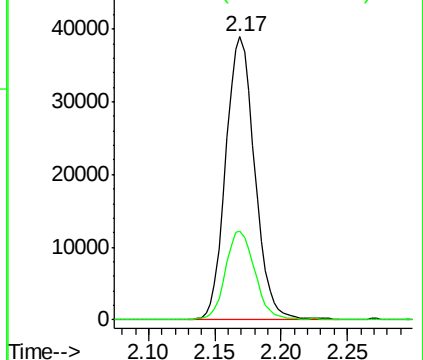
62 100

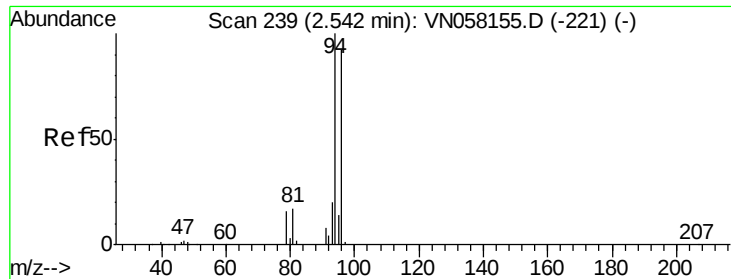
64 31.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.474 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion: 94 Resp: 30499

Ion Ratio Lower Upper

94 100

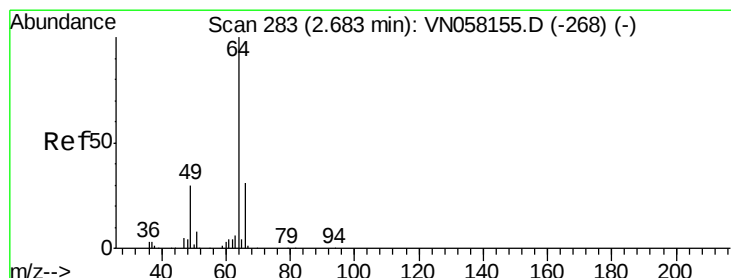
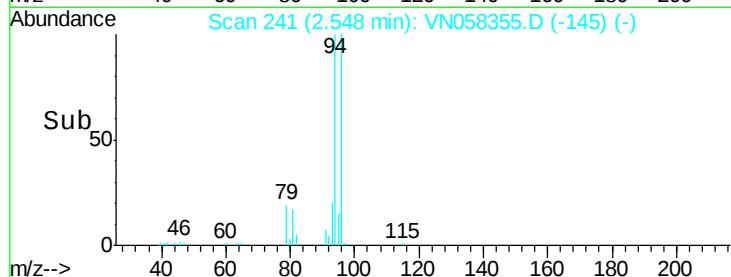
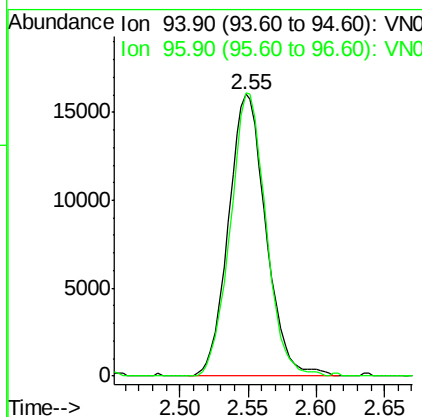
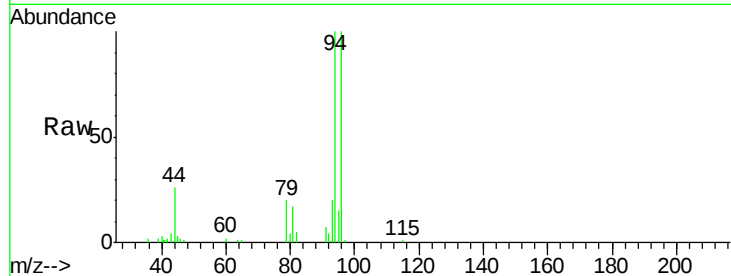
96 100.4 73.3 109.9

Manual Integrations

APPROVED

MMDadoda

9/26/2019 1:00:15 PM



#6

Chloroethane

Concen: 20.187 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058355.D

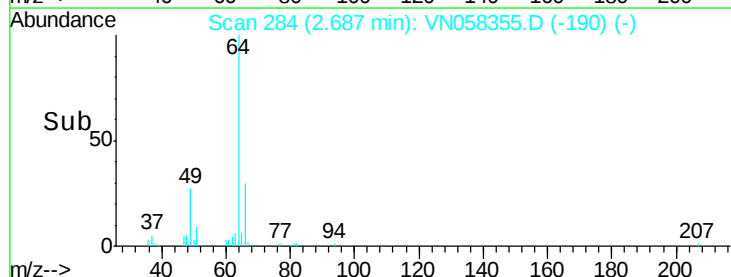
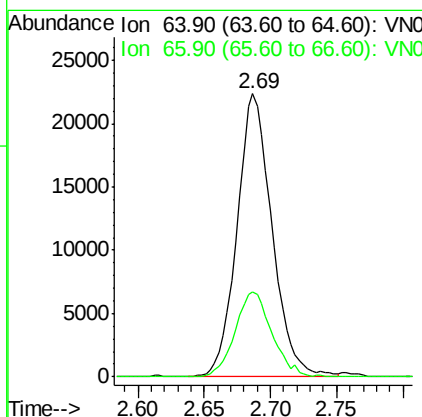
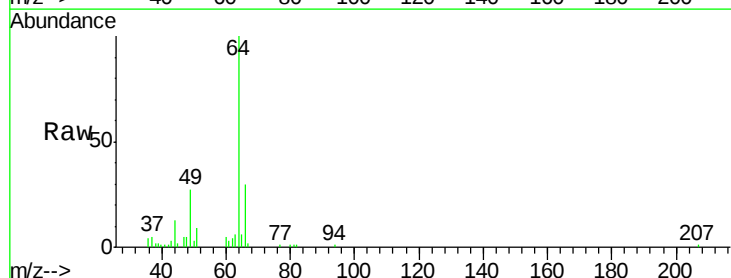
Acq: 25 Sep 2019 10:46

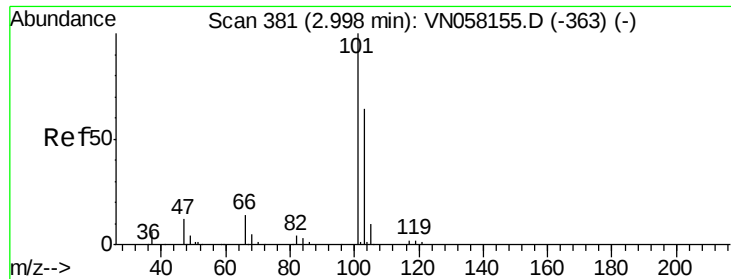
Tgt Ion: 64 Resp: 41184

Ion Ratio Lower Upper

64 100

66 30.2 24.6 37.0





#7

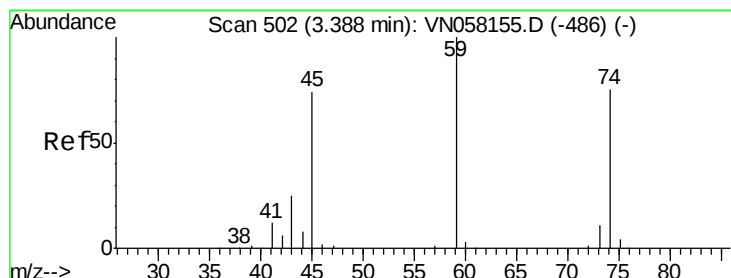
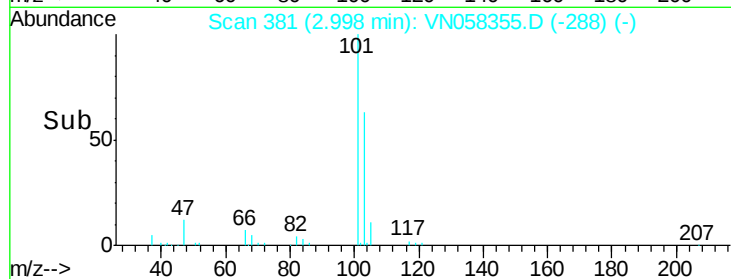
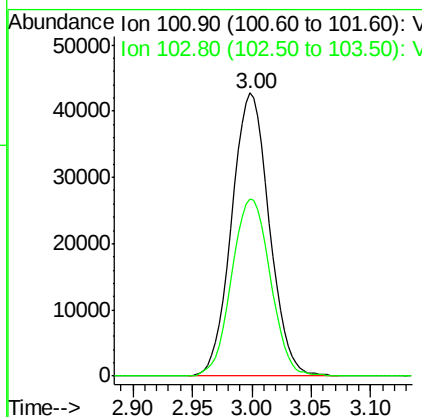
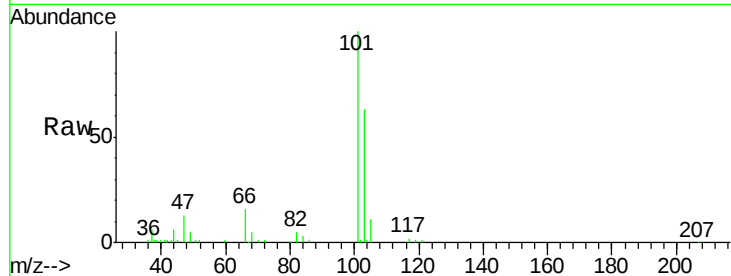
Trichlorofluoromethane
Concen: 19.099 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.0	76.6

Manual Integrations
APPROVED

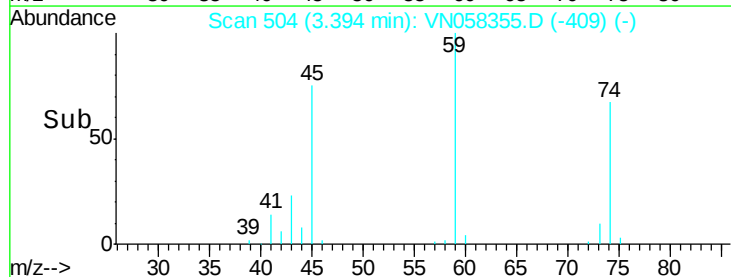
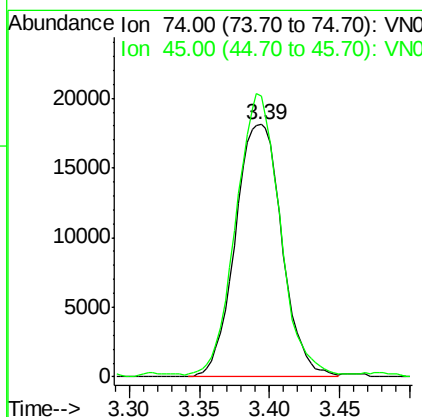
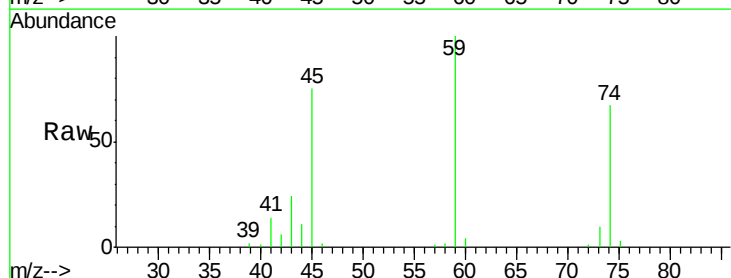
MMDadoda
9/26/2019 1:00:15 PM

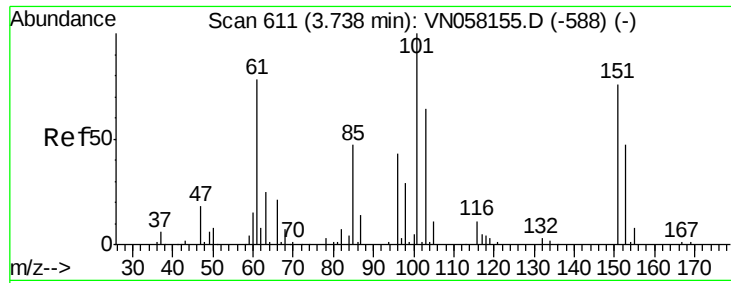


#8

Diethyl Ether
Concen: 18.687 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.01 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.9	48.5	145.5





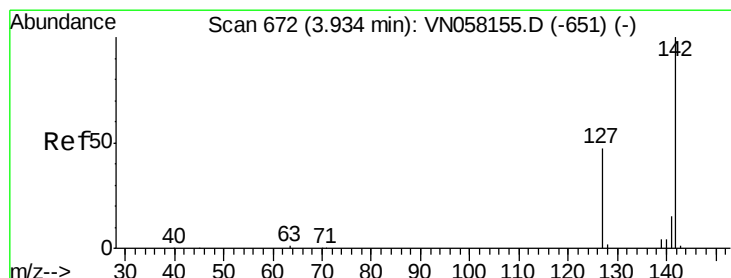
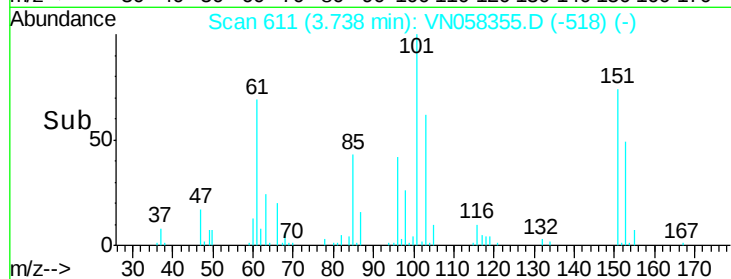
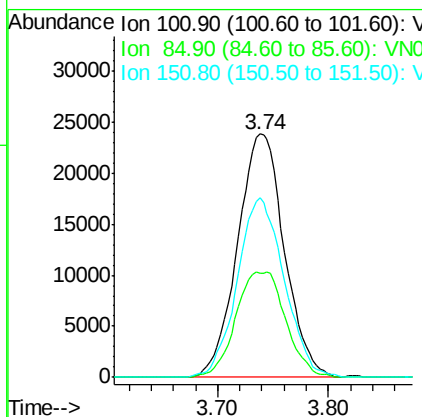
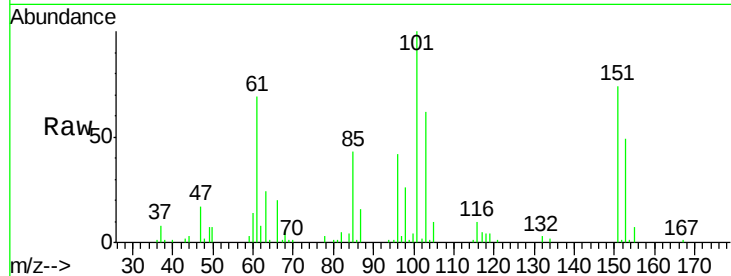
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.753 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.2	37.3	55.9
151	74.2	59.6	89.4

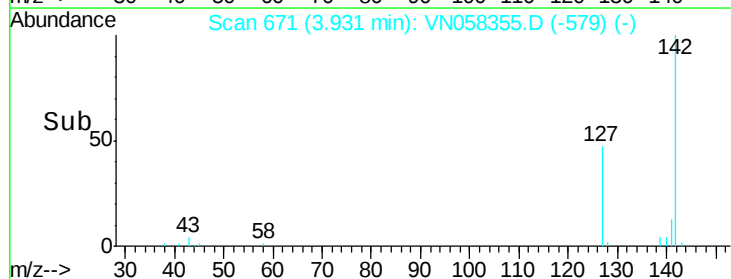
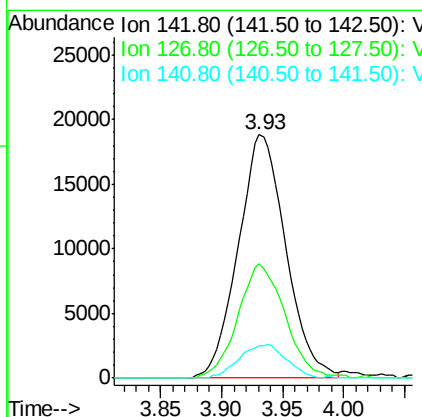
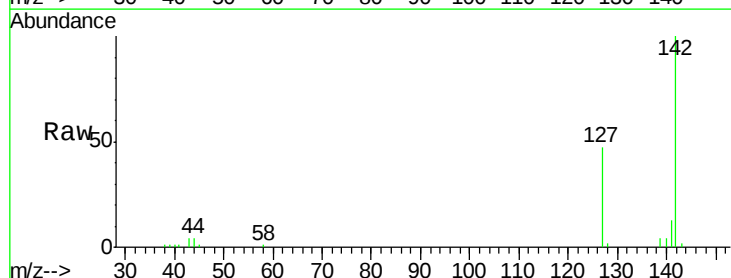
Manual Integrations
 APPROVED

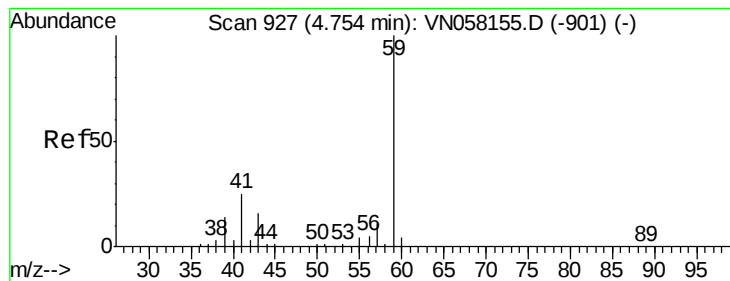
MMDadoda
 9/26/2019 1:00:15 PM



#10
 Methyl Iodide
 Concen: 17.164 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.5	37.5	56.3
141	13.6	11.4	17.2





#11

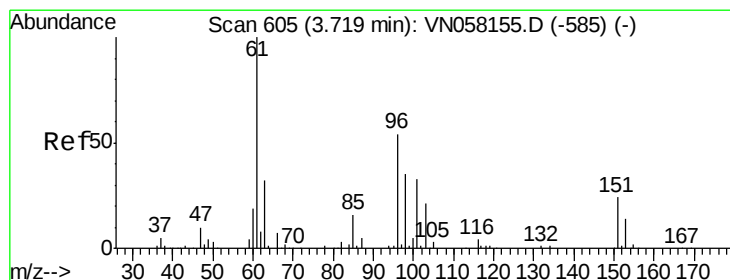
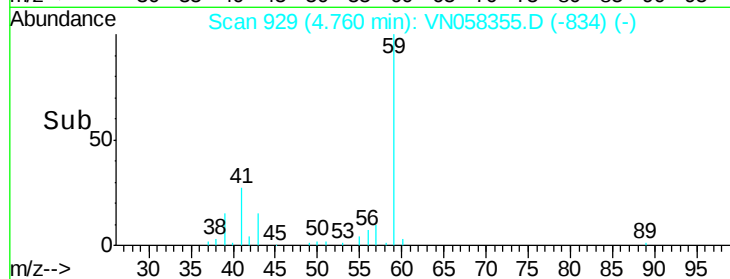
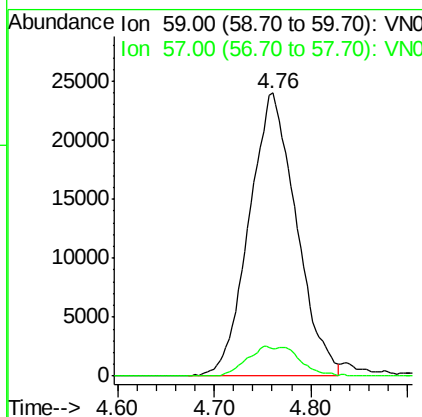
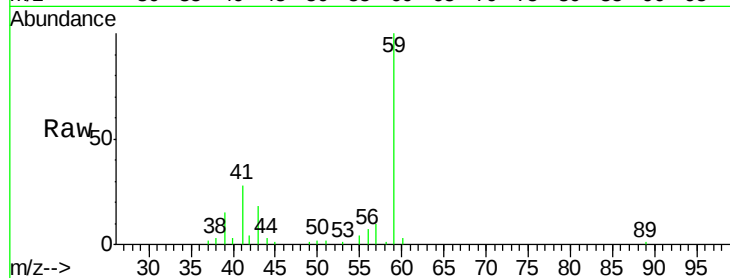
Tert butyl alcohol
 Concen: 112.193 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBS01

Tot Ion	59	57	Ratio	100	6.4	Resp	81291	Lower	Upper
59	100								
57		6.4				8.6			13.0#

Manual Integrations
 APPROVED

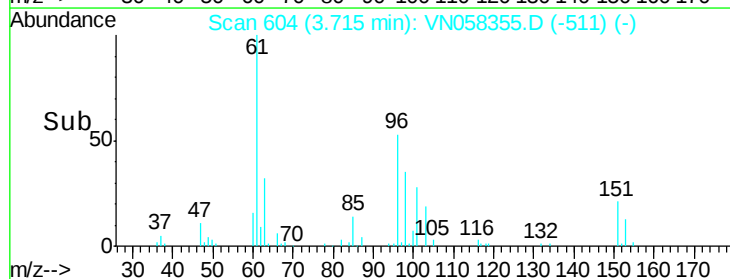
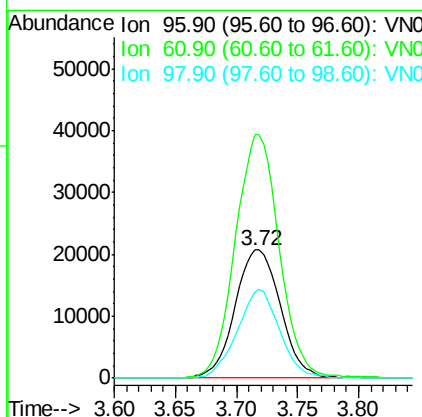
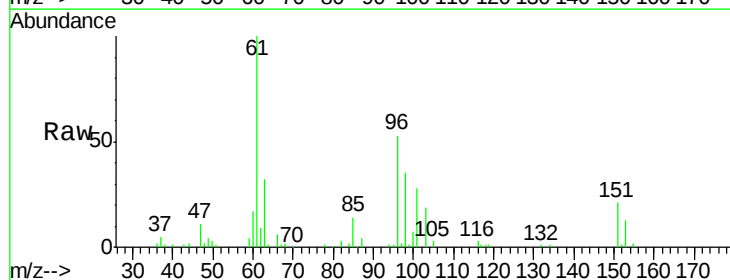
MMDadoda
 9/26/2019 1:00:15 PM



#12

1,1-Dichloroethene
 Concen: 19.674 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion	96	61	98	Ratio	100	188.8	66.8	Resp	53365	Lower	Upper
96	100										
61		188.8				149.5					224.3
98		66.8				52.4					78.6





#13

Acrolein

Concen: 54.471 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion: 56 Resp: 5849

Ion Ratio Lower Upper

56 100

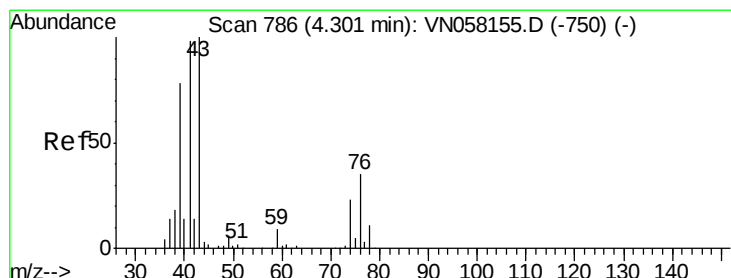
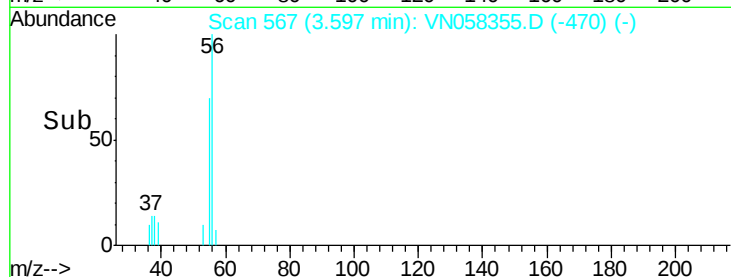
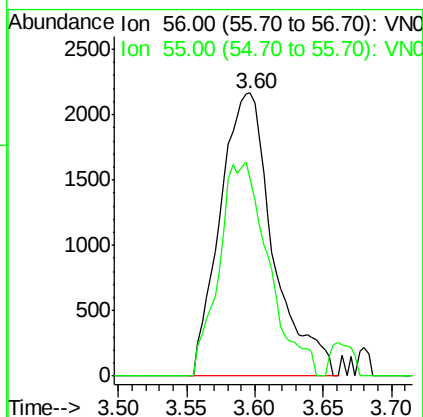
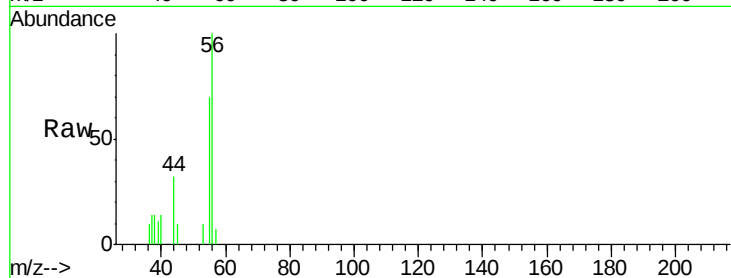
55 70.4 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

9/26/2019 1:00:15 PM



#14

Allyl chloride

Concen: 18.916 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

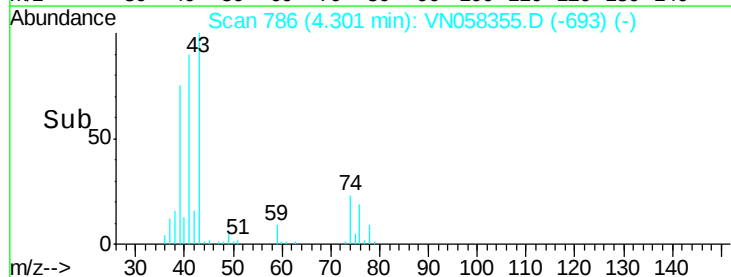
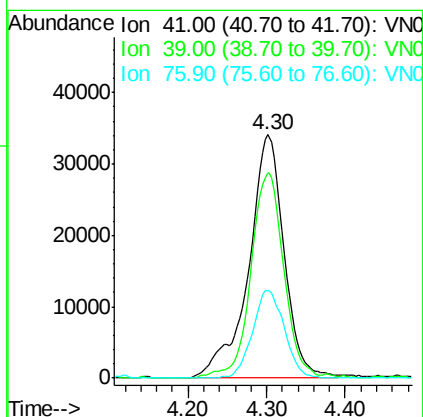
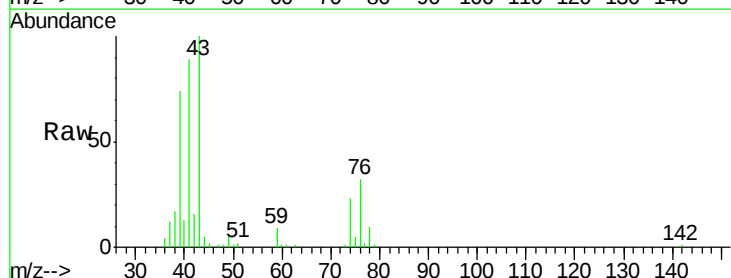
Tgt Ion: 41 Resp: 109437

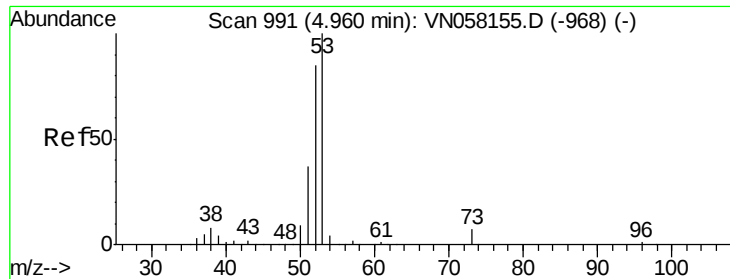
Ion Ratio Lower Upper

41 100

39 77.7 59.1 88.7

76 32.3 25.1 37.7





#15

Acrylonitrile

Concen: 108.080 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

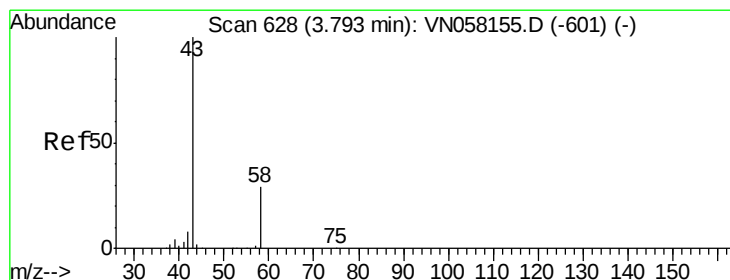
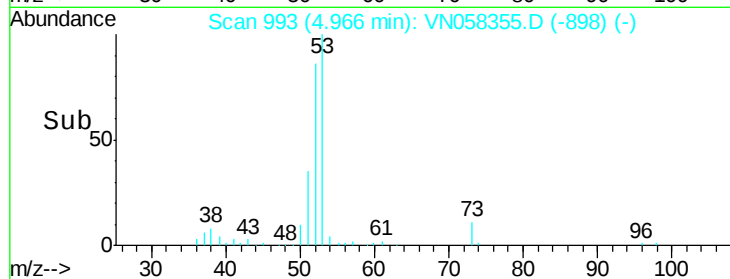
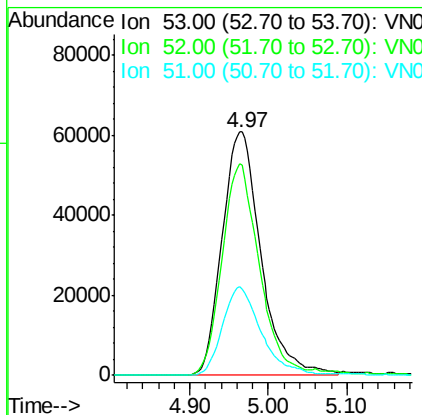
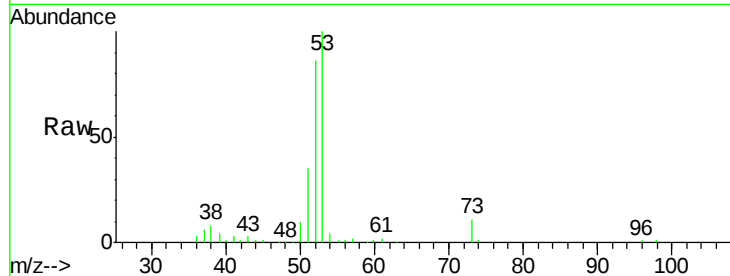
ClientSampleId :

VN0925WBS01

Tot Ion:	53	Resp:	208642
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.6	100.0
51	36.4	29.7	44.5

Manual Integrations
APPROVED

MMDadoda
9/26/2019 1:00:15 PM



#16

Acetone

Concen: 103.327 ug/l

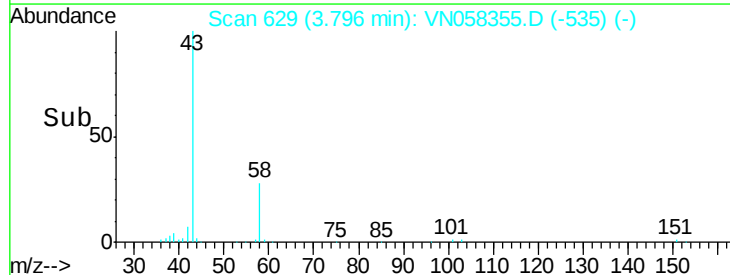
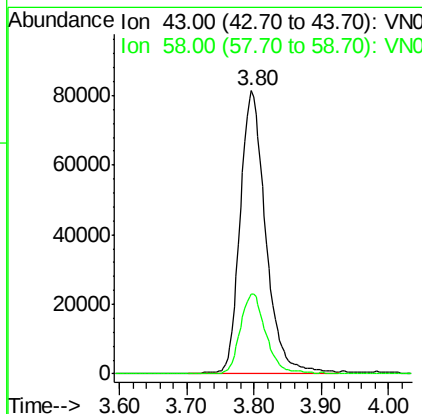
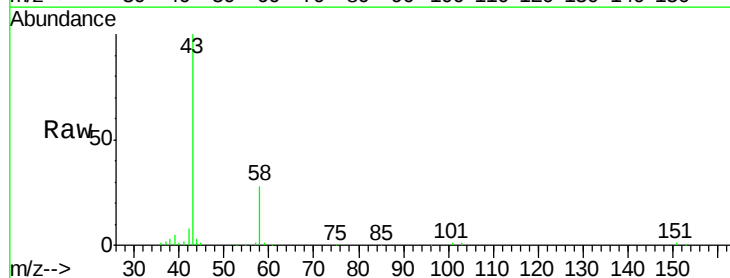
RT: 3.80 min Scan# 629

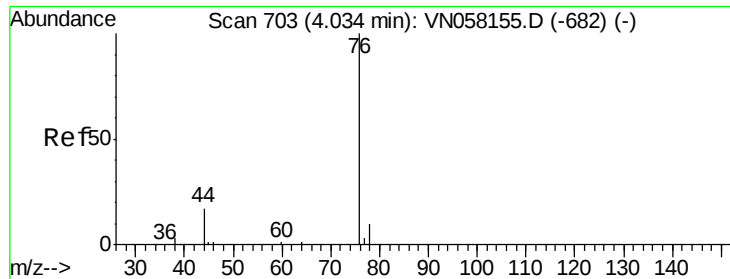
Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Tgt Ion:	43	Resp:	213638
Ion Ratio	Lower	Upper	
43	100		
58	28.1	23.4	35.2





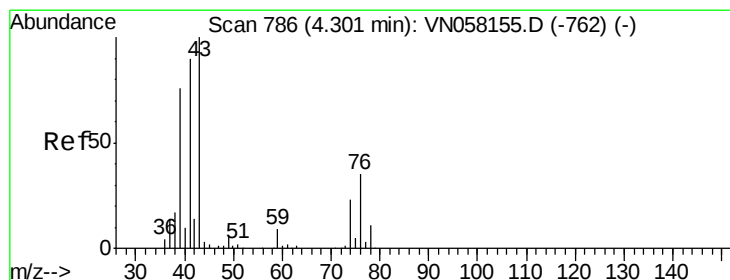
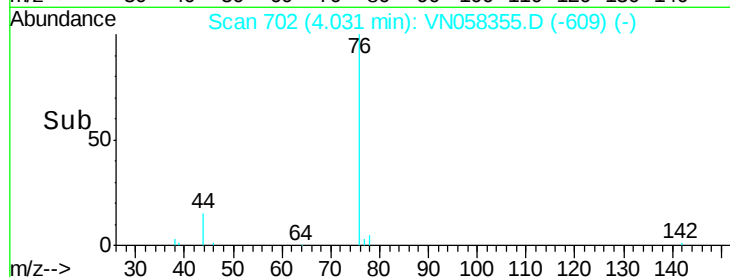
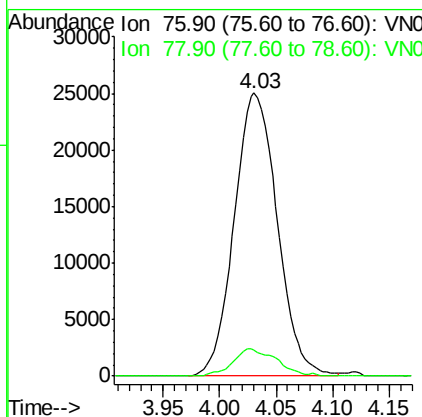
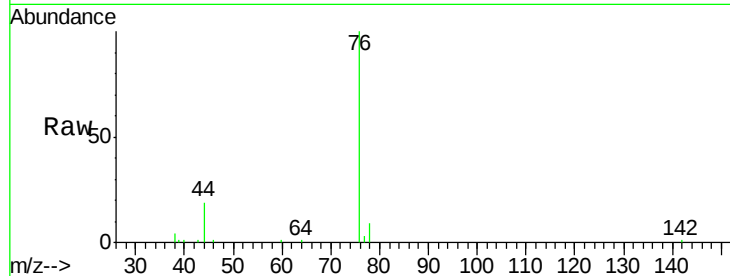
#17
Carbon Disulfide
Concen: 17.747 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.1	7.7	11.5	

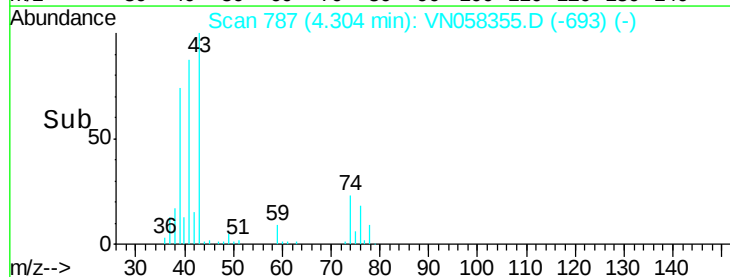
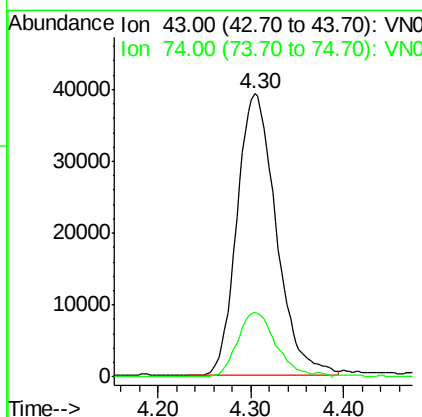
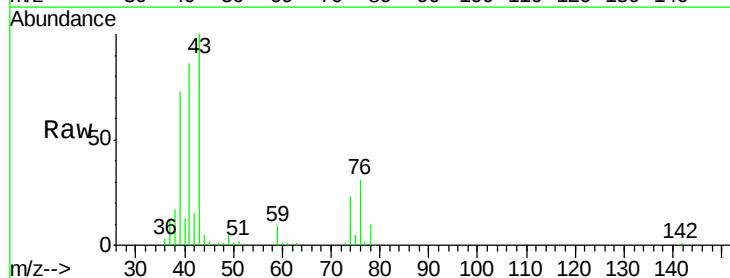
Manual Integrations
APPROVED

MMDadoda
9/26/2019 1:00:15 PM



#18
Methyl Acetate
Concen: 21.126 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	22.3	18.0	27.0	





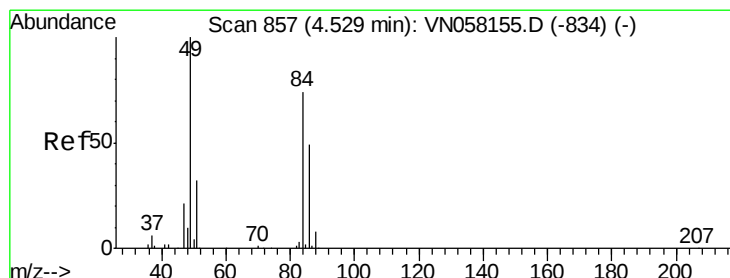
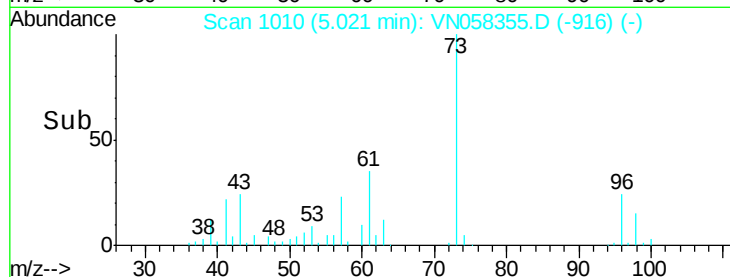
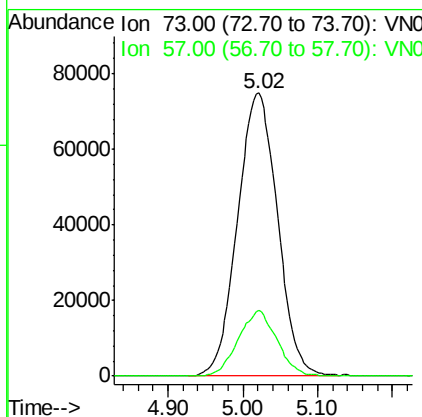
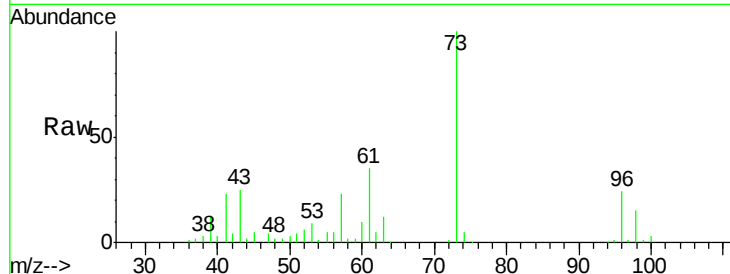
#19
Methvl tert-butvl Ether
Concen: 20.883 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion: 73 Resp: 278471
Ion Ratio Lower Upper
73 100
57 23.4 18.1 27.1

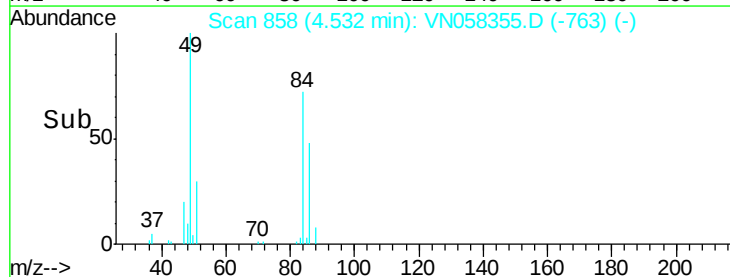
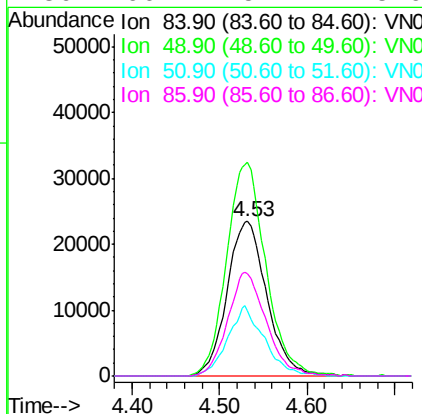
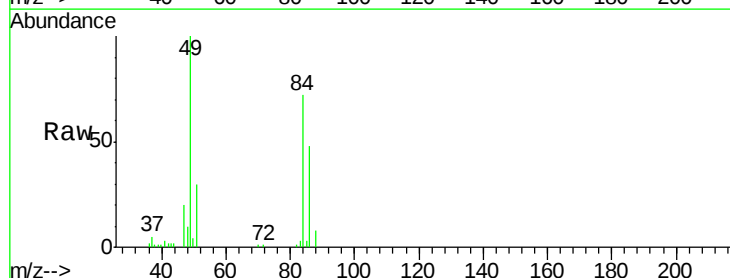
Manual Integrations
APPROVED

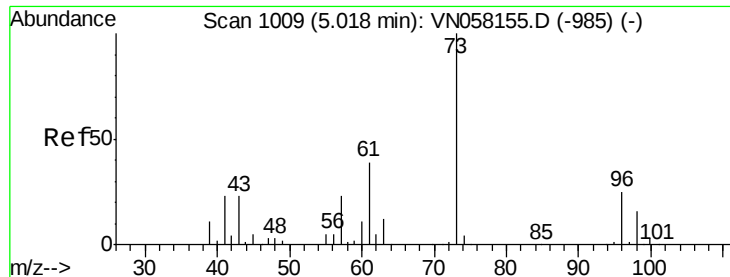
MMDadoda
9/26/2019 1:00:15 PM



#20
Methylene Chloride
Concen: 20.339 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion: 84 Resp: 74101
Ion Ratio Lower Upper
84 100
49 138.2 107.5 161.3
51 41.9 33.9 50.9
86 66.4 52.4 78.6





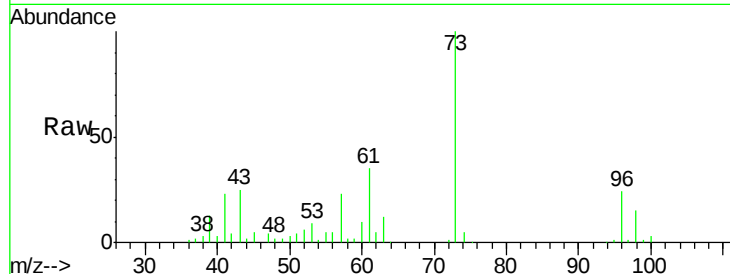
#21
trans-1,2-Dichloroethene
Concen: 19.831 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

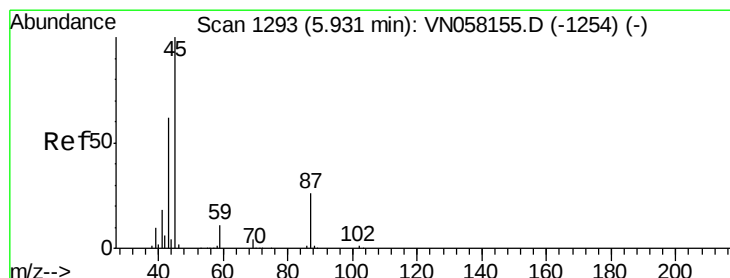
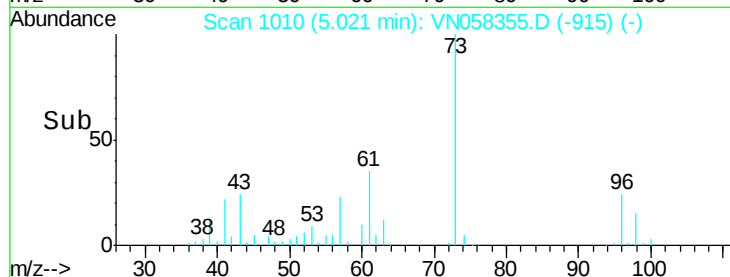
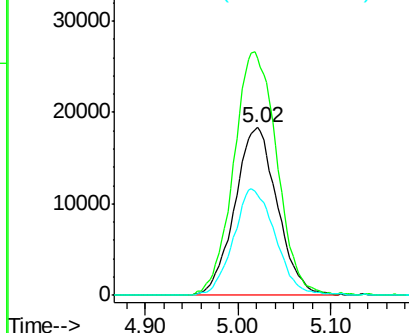
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	122.2	183.4
98	60.0	49.9	74.9

Manual Integrations
APPROVED

MMDadoda
9/26/2019 1:00:15 PM



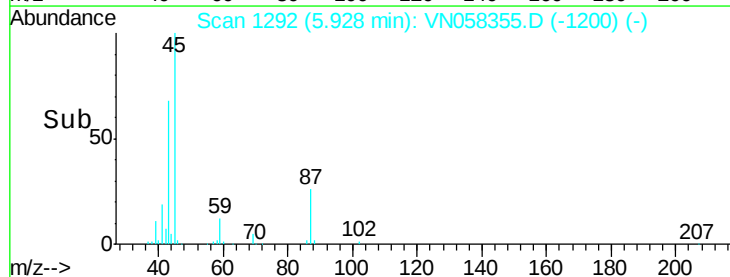
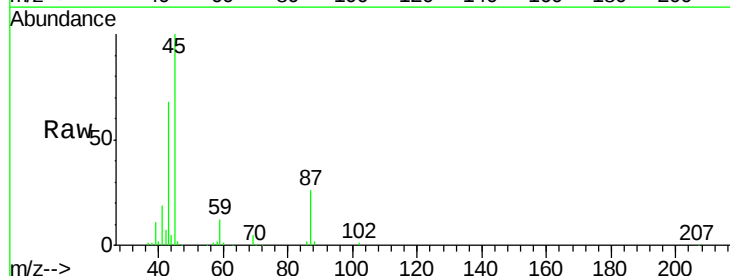
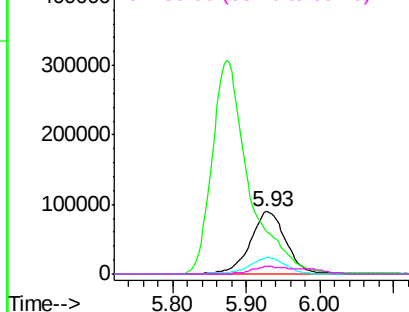
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

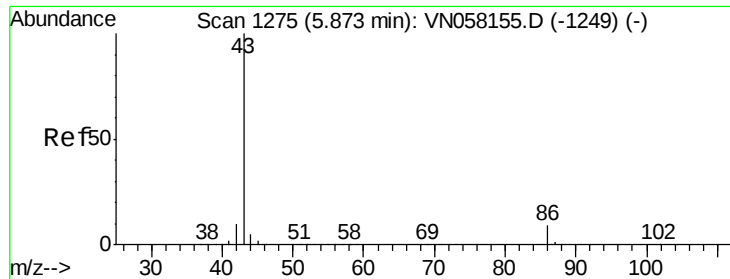


#22
Diisopropyl ether
Concen: 20.535 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.4	49.7	74.5
87	25.8	20.7	31.1
59	11.5	9.1	13.7

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





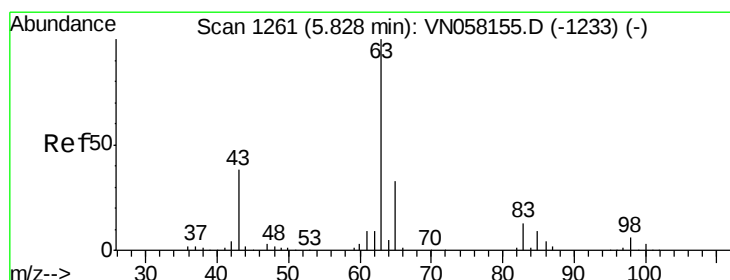
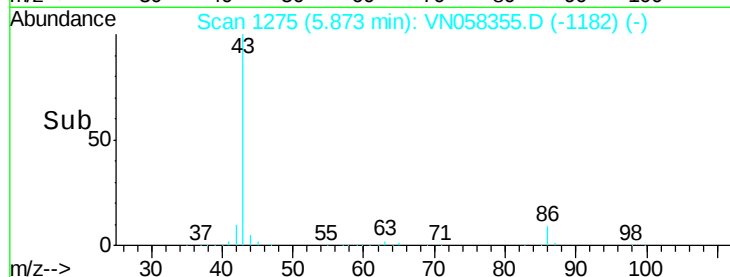
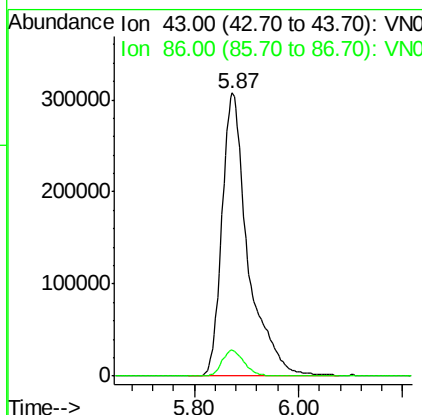
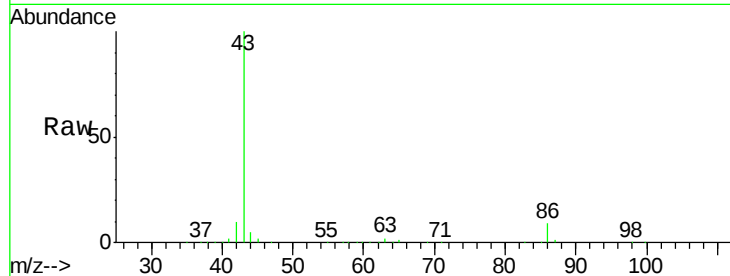
#23
 Vinyl Acetate
 Concen: 106.246 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion: 43 Resp: 1068385
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.2

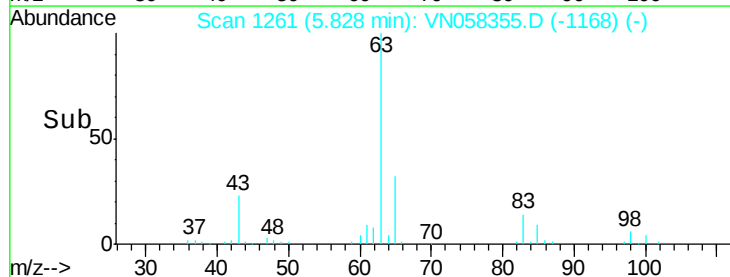
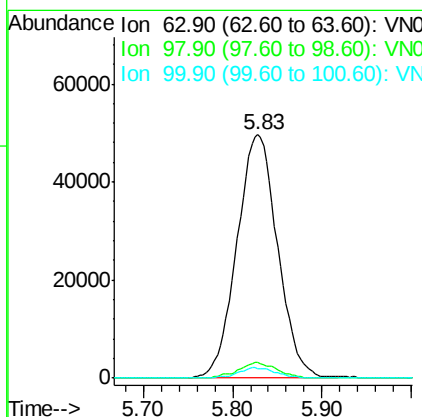
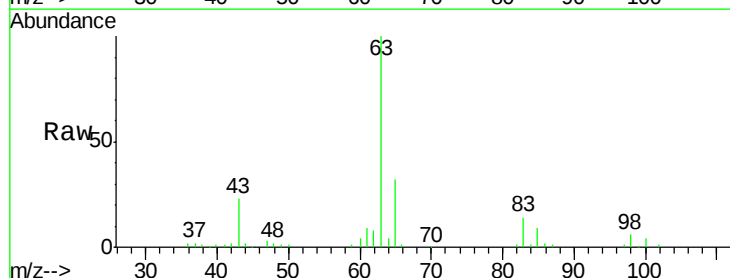
Manual Integrations
 APPROVED

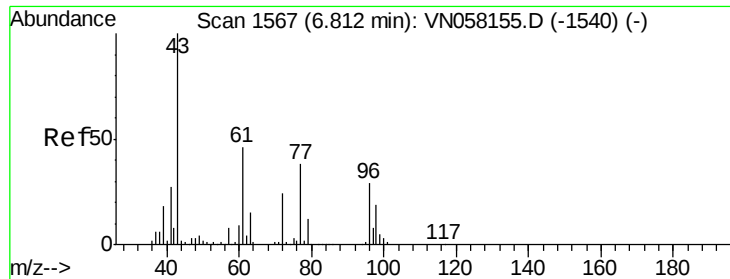
MMDadoda
 9/26/2019 1:00:15 PM



#24
 1,1-Dichloroethane
 Concen: 20.075 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion: 63 Resp: 157459
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.6
 100 4.0 1.8 5.3





#25

2-Butanone

Concen: 105.895 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion: 43 Resp: 298292

Ion Ratio Lower Upper

43 100

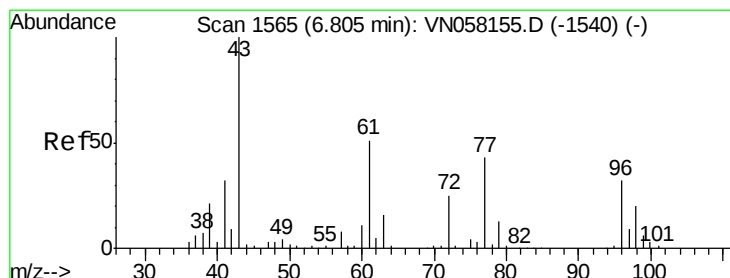
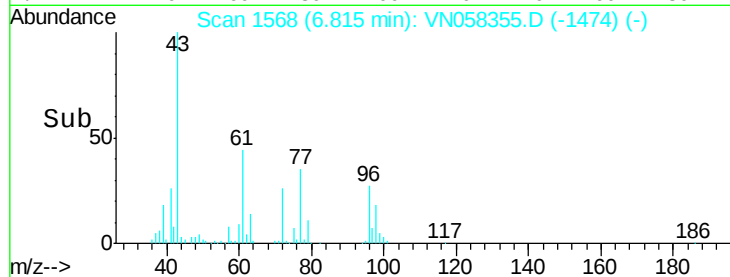
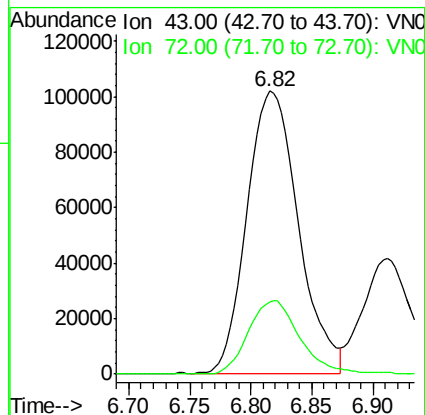
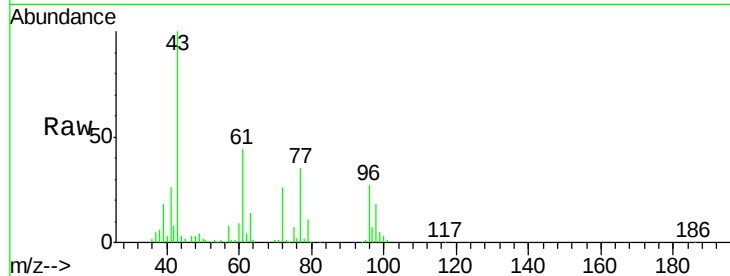
72 25.8 19.5 29.3

Manual Integrations

APPROVED

MMDadoda

9/26/2019 1:00:15 PM



#26

2,2-Dichloropropane

Concen: 18.863 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058355.D

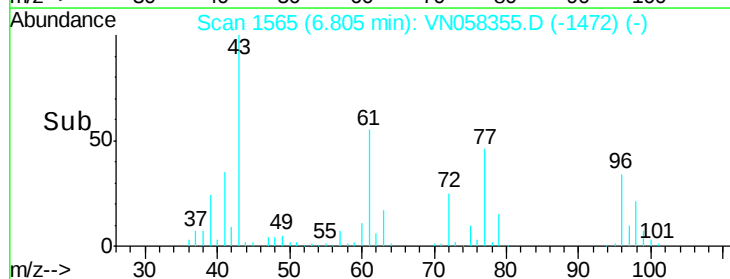
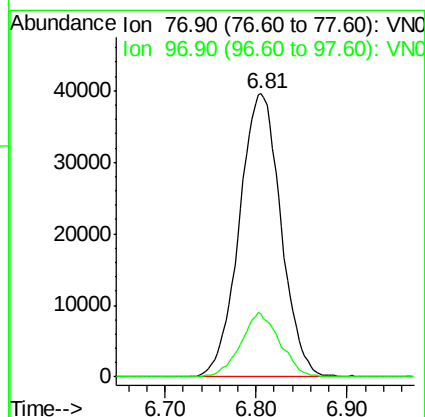
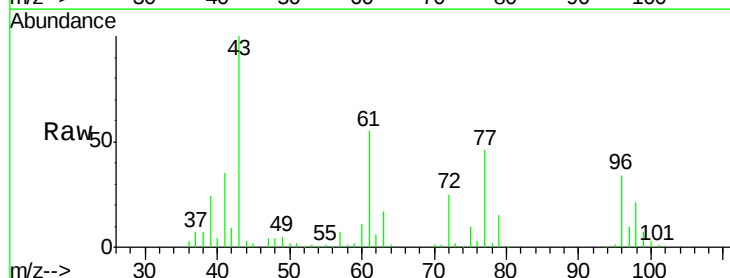
Acq: 25 Sep 2019 10:46

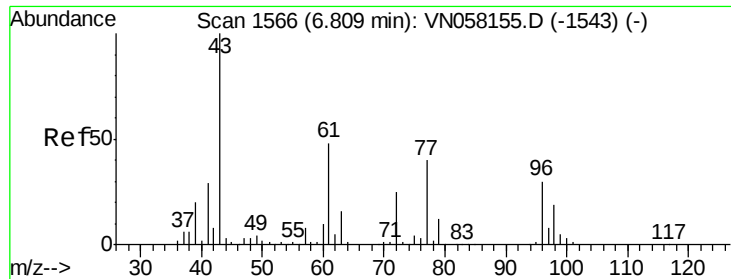
Tgt Ion: 77 Resp: 125516

Ion Ratio Lower Upper

77 100

97 21.2 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.397 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

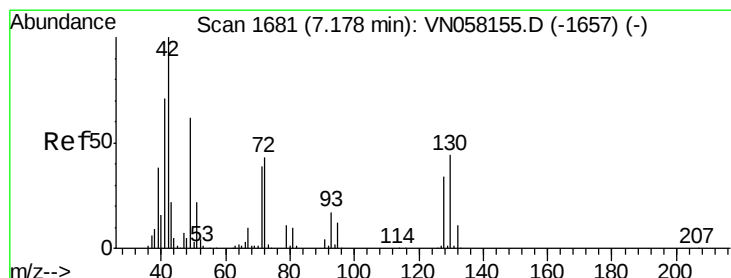
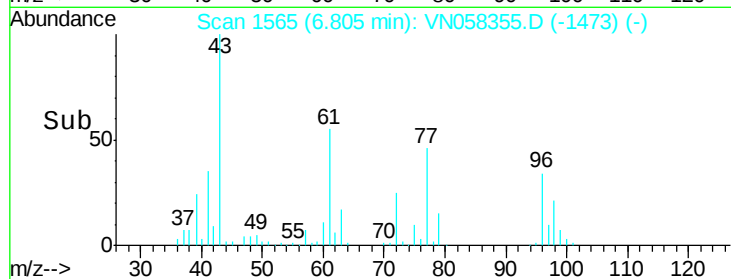
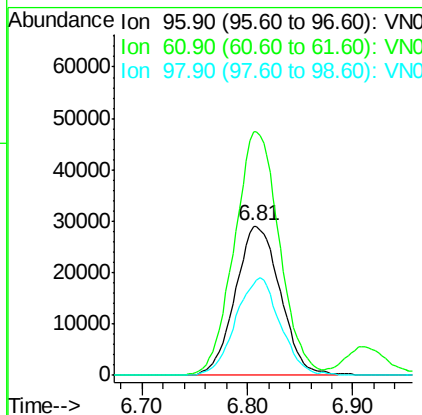
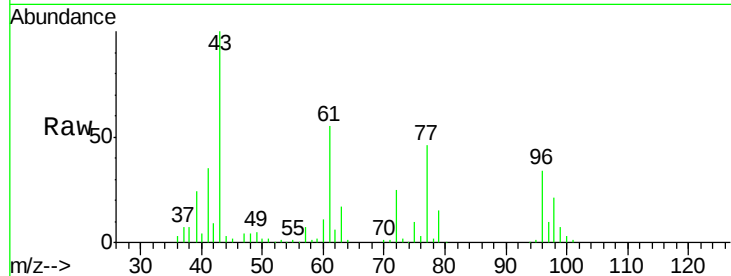
ClientSampleId :

VN0925WBS01

Tot Ion:	96	Resp:	86024
Ion	Ratio	Lower	Upper
96	100		
61	163.8	0.0	319.0
98	64.4	0.0	126.6

Manual Integrations
APPROVED

MMDadoda
9/26/2019 1:00:15 PM



#28

Bromochloromethane

Concen: 20.499 ug/l

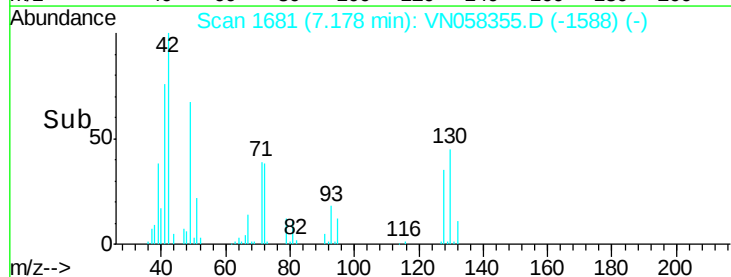
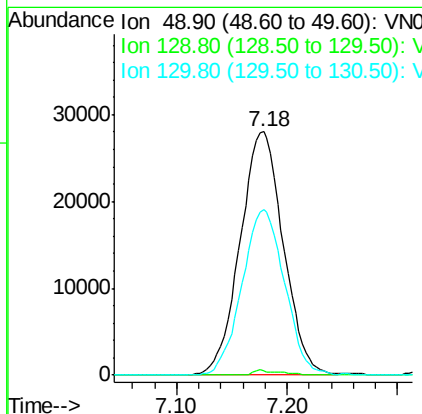
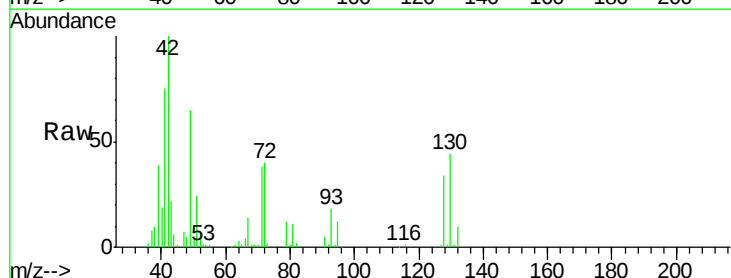
RT: 7.18 min Scan# 1681

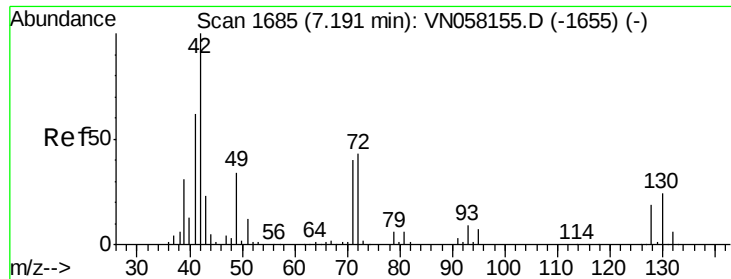
Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Tgt Ion:	49	Resp:	76062
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	1.8
130	66.9	55.4	83.2





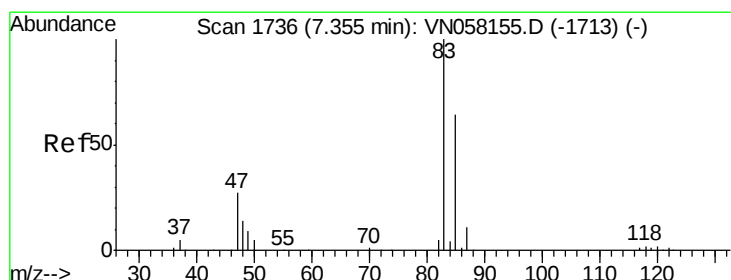
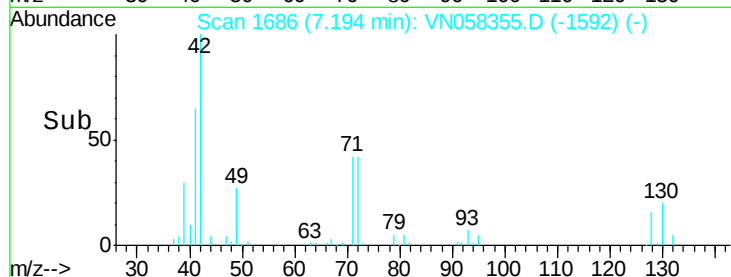
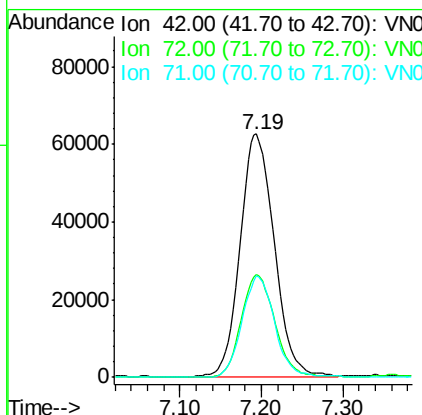
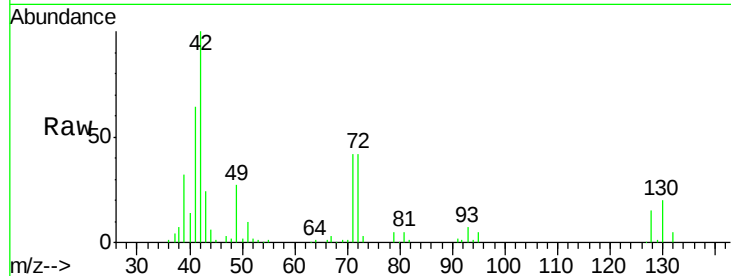
#29
Tetrahydrofuran
Concen: 104.043 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.8	50.6
71	39.7	31.4	47.0

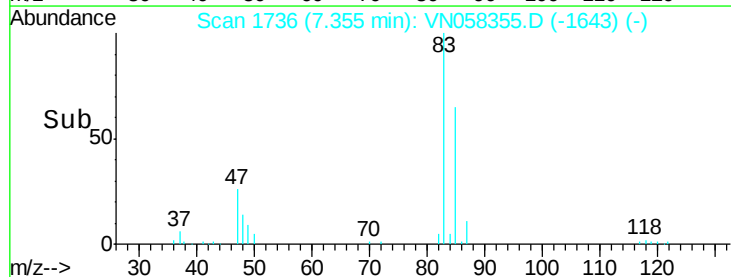
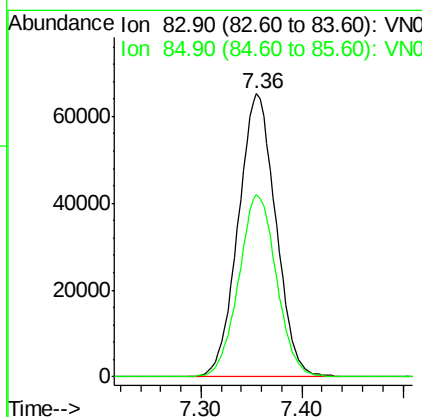
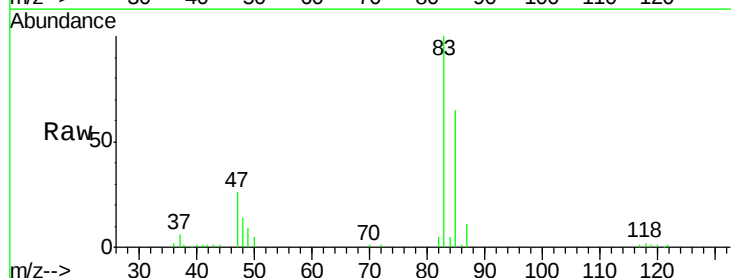
Manual Integrations
APPROVED

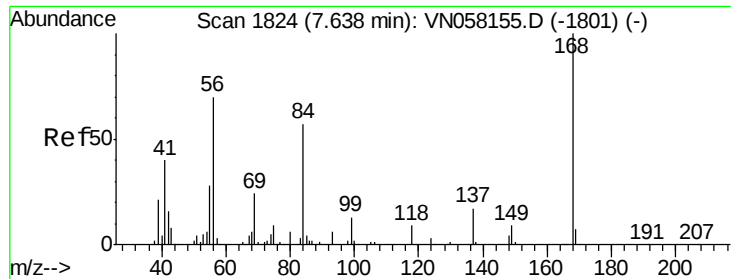
MMDadoda
9/26/2019 1:00:15 PM



#30
Chloroform
Concen: 19.935 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2





#31

Cyclohexane

Concen: 19.280 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

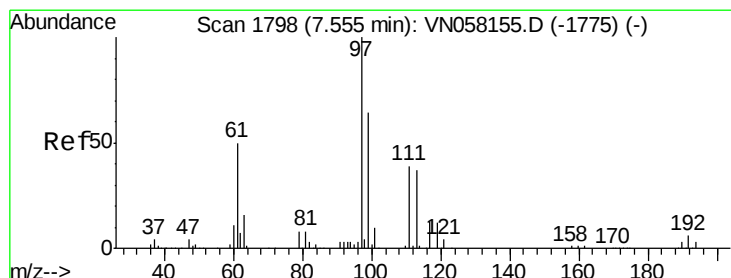
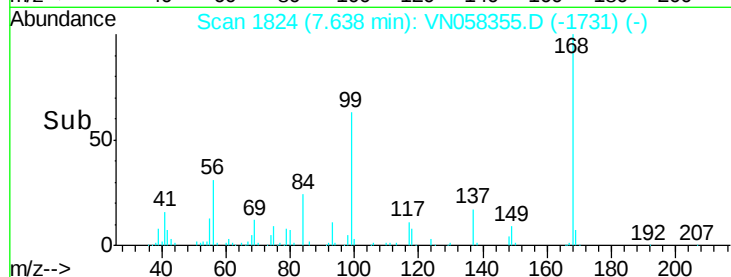
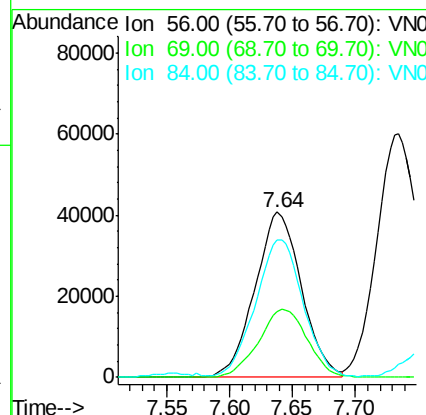
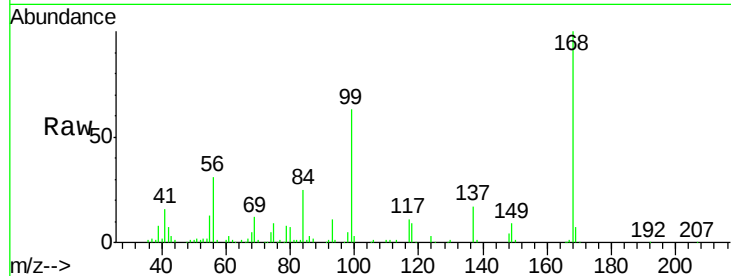
ClientSampleId :

VN0925WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		105270		
69	40.0	27.3	40.9		
84	81.6	65.0	97.4		

Manual Integrations
APPROVED

MMDadoda
9/26/2019 1:00:15 PM



#32

1,1,1-Trichloroethane

Concen: 20.256 ug/l

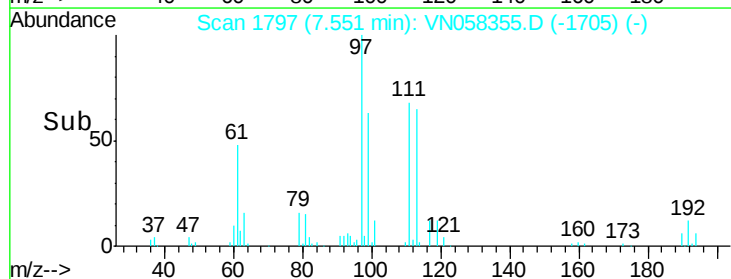
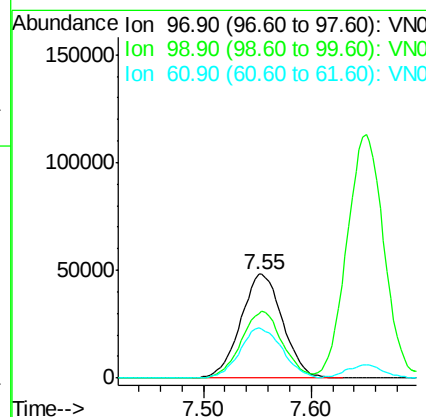
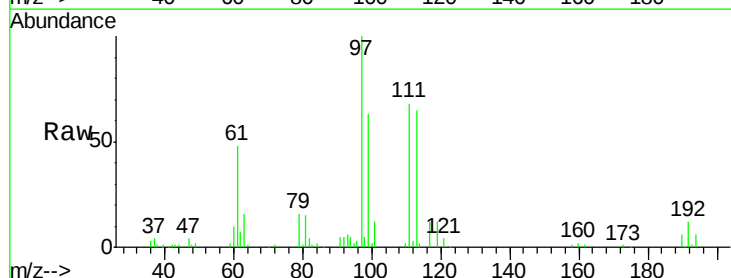
RT: 7.55 min Scan# 1797

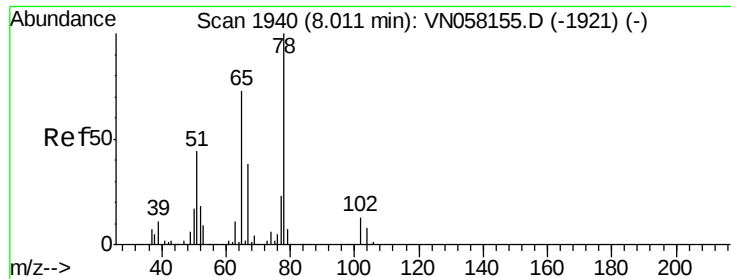
Delta R.T. -0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		130193		
99	63.2	50.9	76.3		
61	48.6	39.2	58.8		





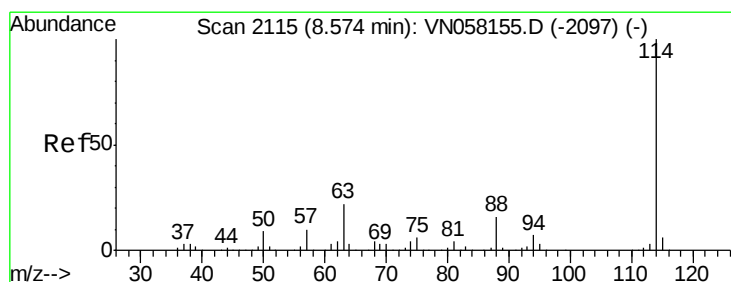
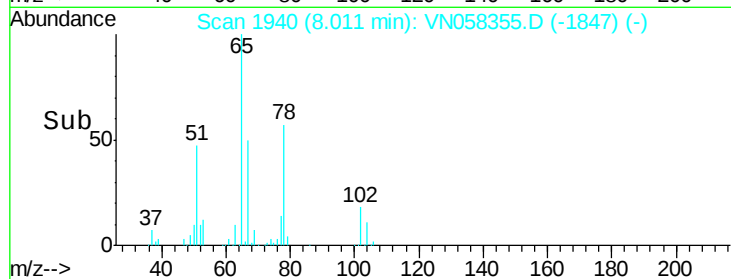
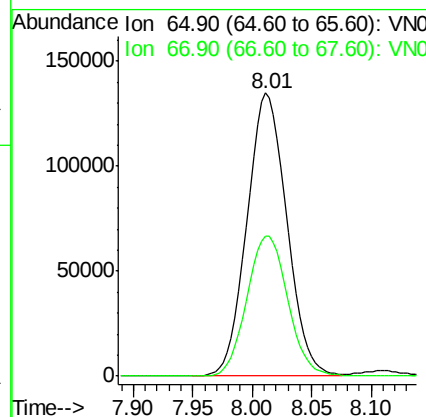
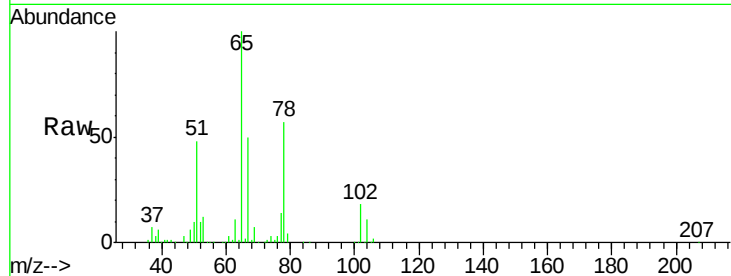
#33
 1,2-Dichloroethane-d4
 Concen: 51.391 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.8	0.0	103.4	

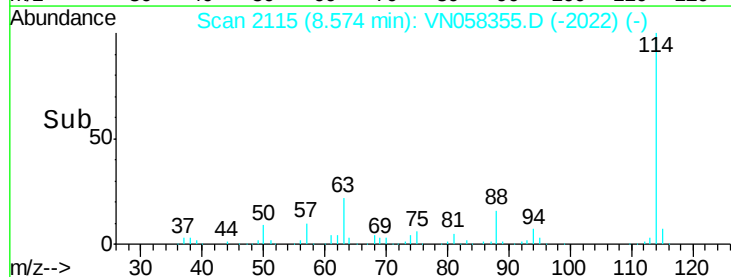
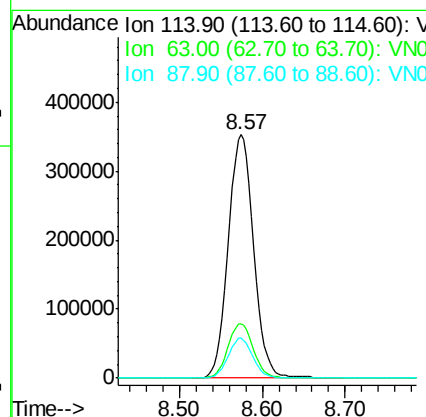
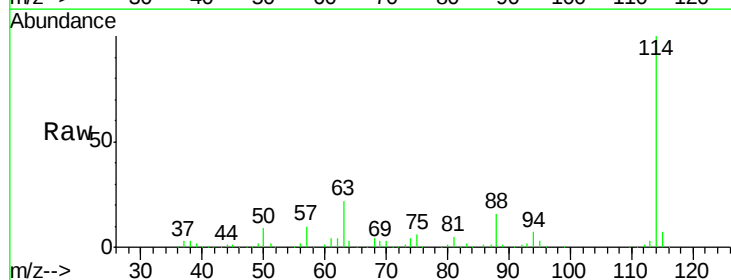
Manual Integrations
 APPROVED

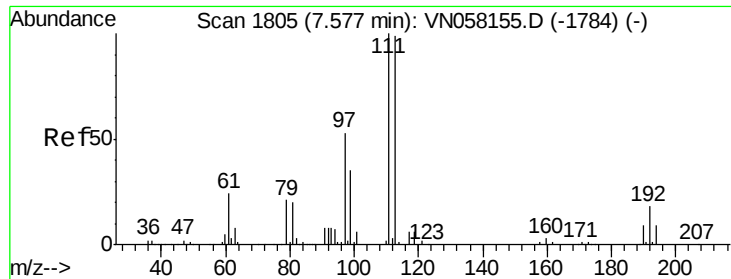
MMDadoda
 9/26/2019 1:00:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.4	0.0	44.2	
88	16.2	0.0	31.6	





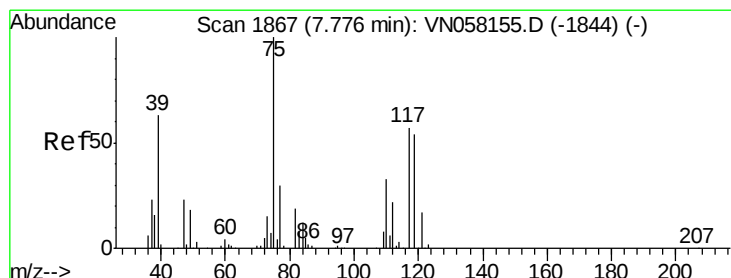
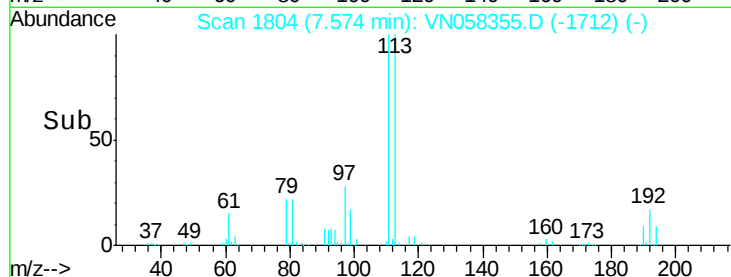
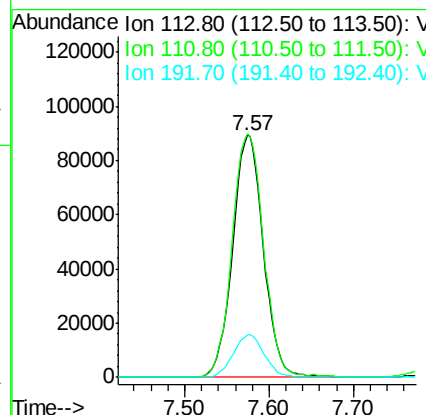
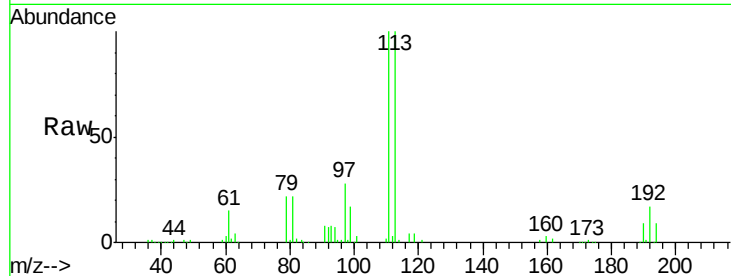
#35
 Dibromofluoromethane
 Concen: 49.529 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	225960		
111	102.9		81.8	122.6
192	17.8		14.5	21.7

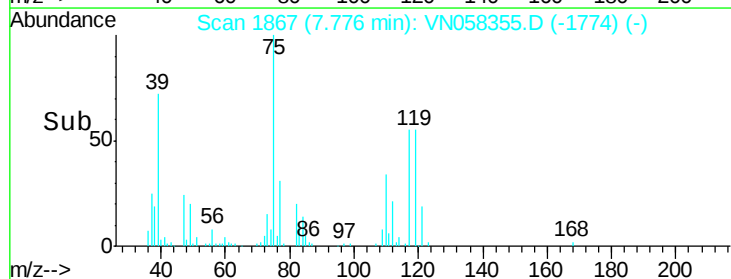
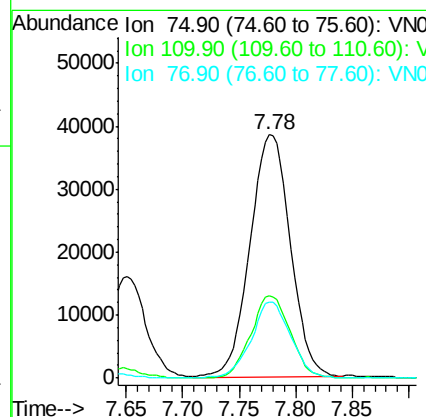
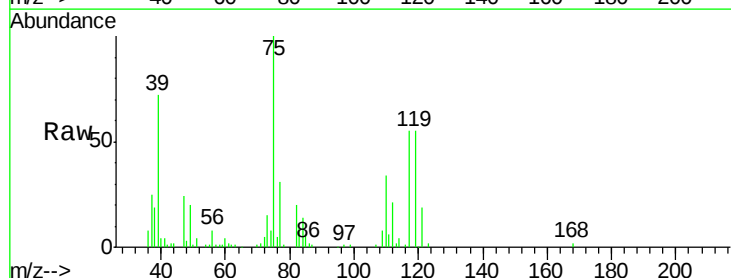
Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 1:00:15 PM



#36
 1,1-Dichloropropene
 Concen: 17.605 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95277		
110	33.2		16.6	49.7
77	30.9		24.3	36.5





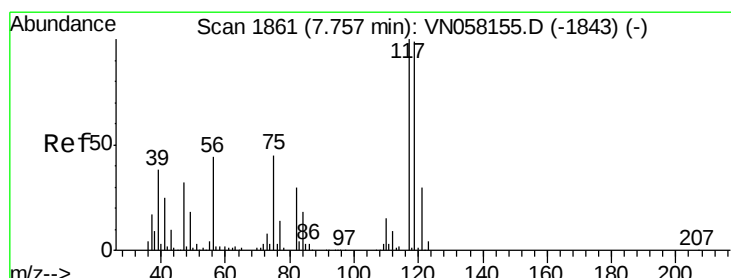
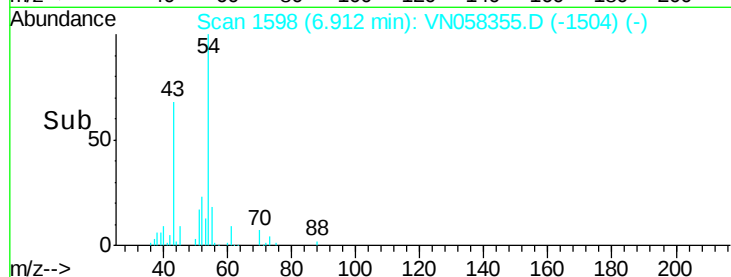
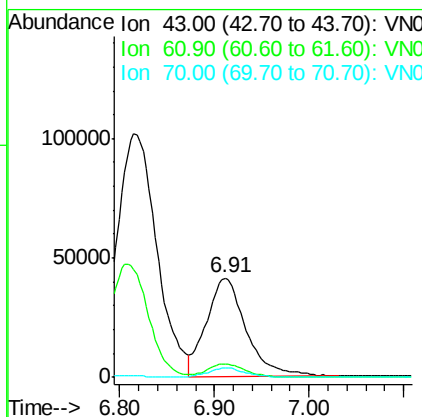
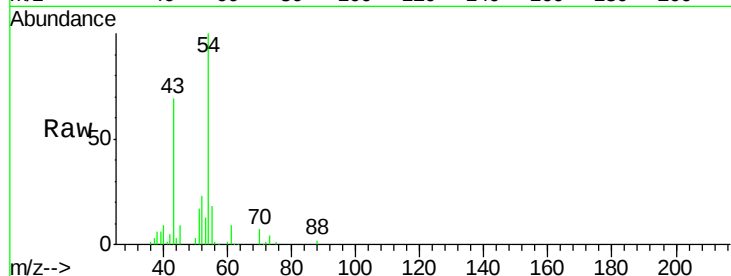
#37
Ethyl Acetate
Concen: 21.311 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	12.3	119690	10.7	16.1
70	8.9		7.6	11.4

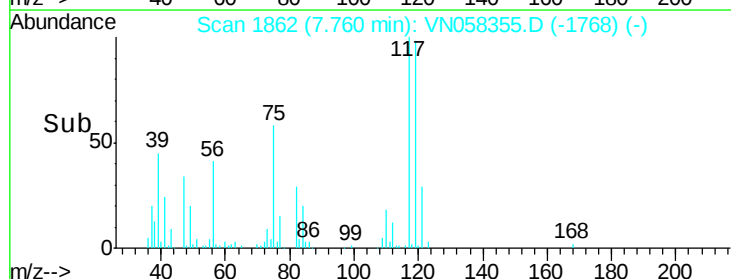
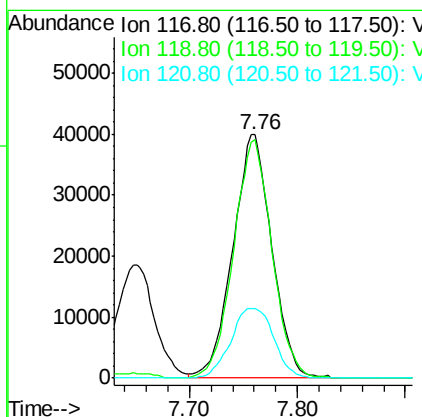
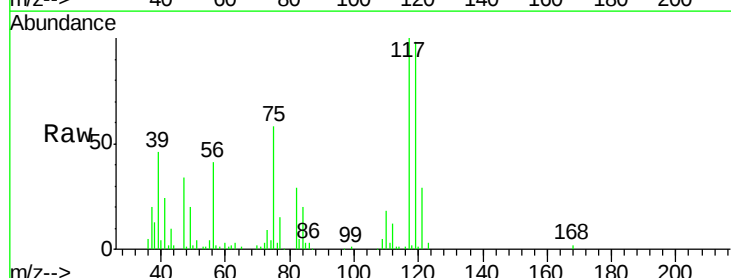
Manual Integrations
APPROVED

MMDadoda
9/26/2019 1:00:15 PM



#38
Carbon Tetrachloride
Concen: 18.441 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	100324		
119	97.9		78.6	117.8
121	28.7		24.1	36.1





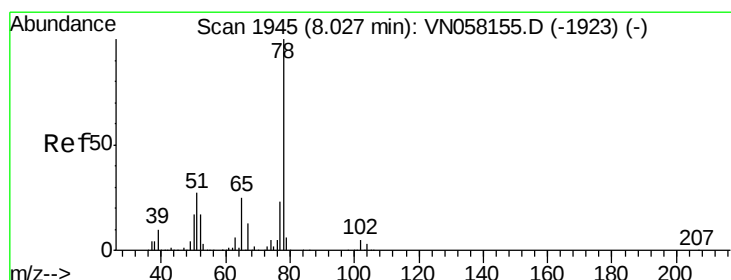
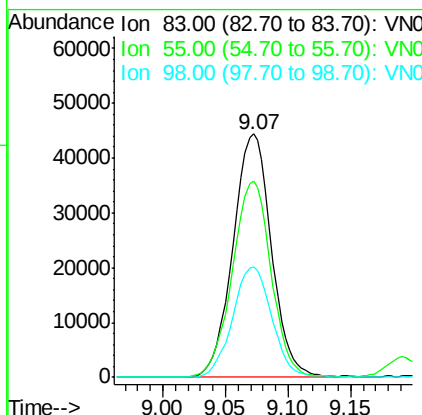
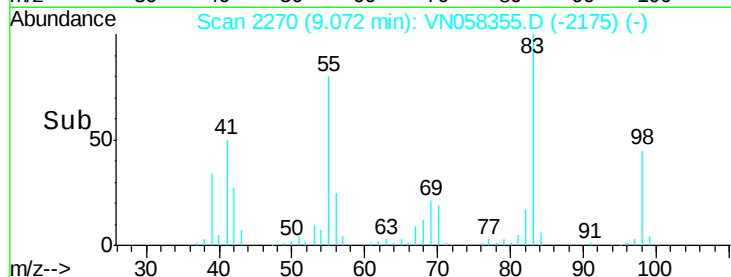
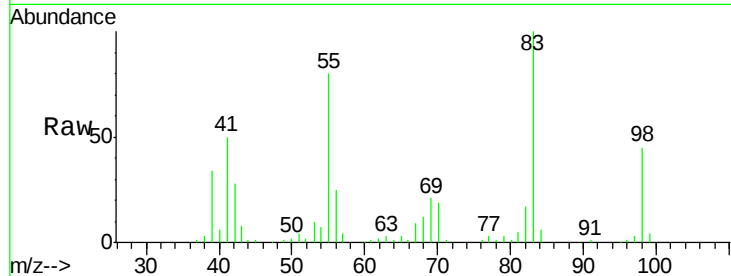
#39
Methvlcvclohexane
Concen: 18.177 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	83	Resp	94875
Ion Ratio	100	Lower	Upper
83	100		
55	80.5	61.9	92.9
98	45.3	35.4	53.2

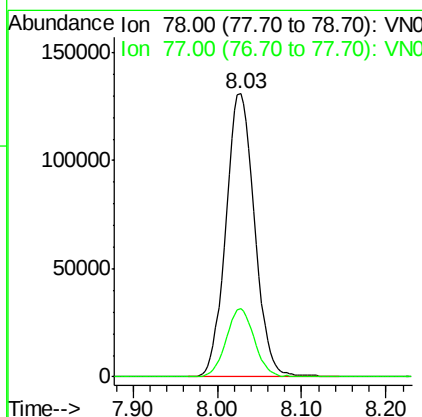
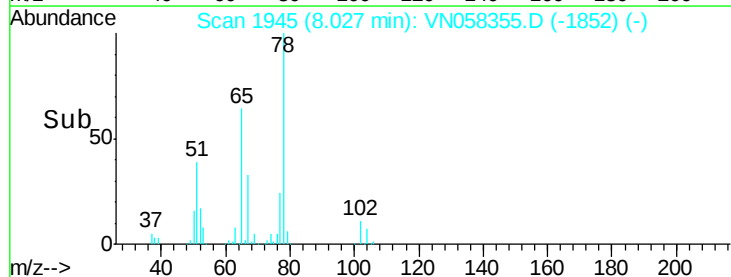
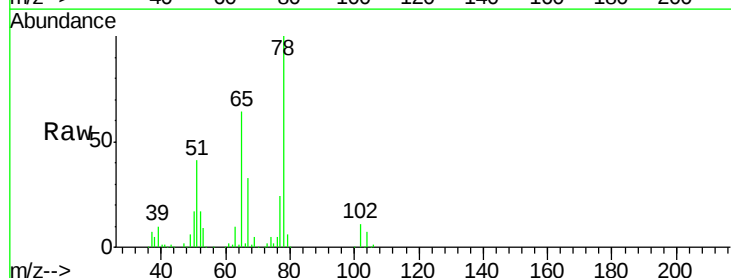
Manual Integrations
APPROVED

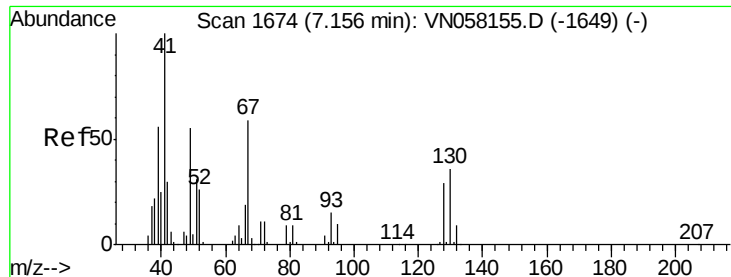
MMDadoda
9/26/2019 1:00:15 PM



#40
Benzene
Concen: 18.771 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion	78	Resp	310291
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	18.8	28.2





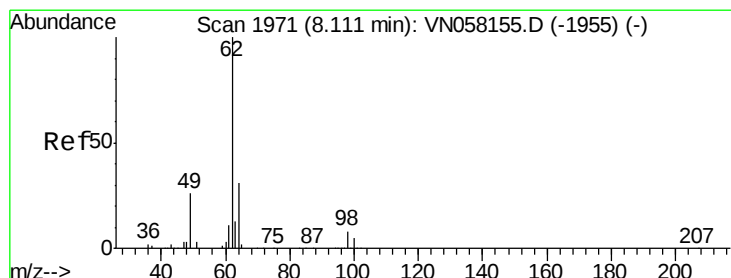
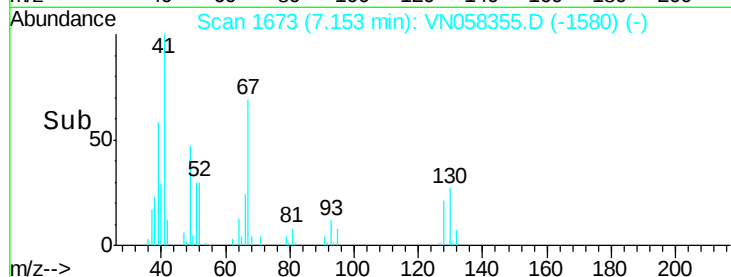
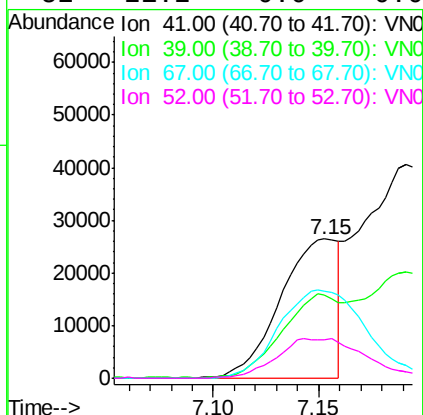
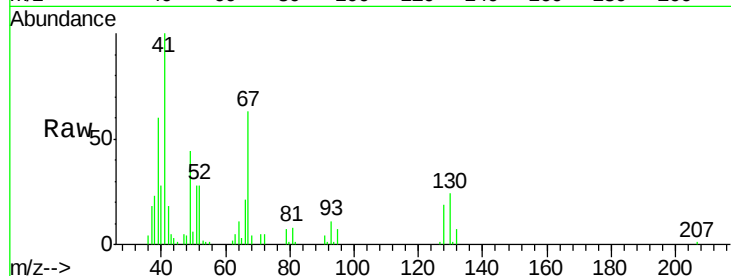
#41
Methacrylonitrile
Concen: 18.368 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		50310		
39	57.7	0.0	0.0#		
67	96.3	0.0	0.0#		
52	21.2	0.0	0.0#		

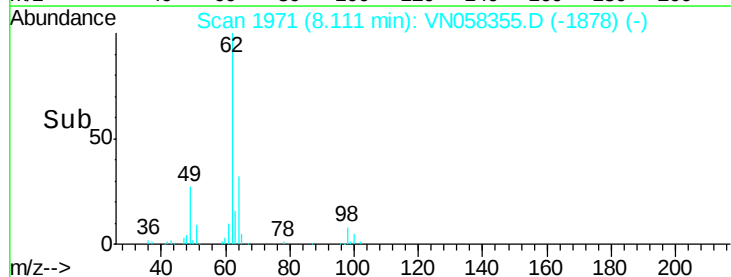
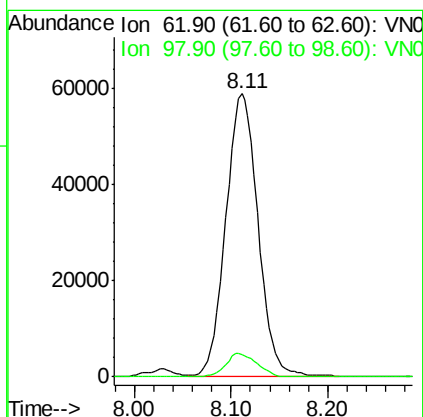
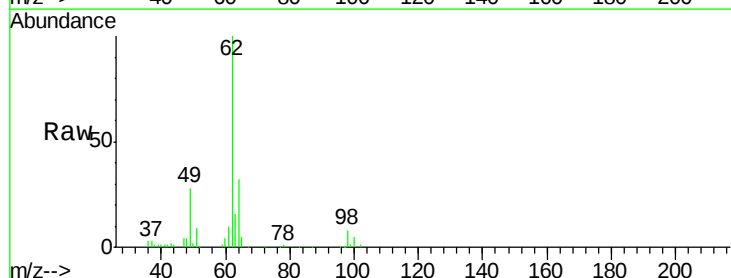
Manual Integrations
APPROVED

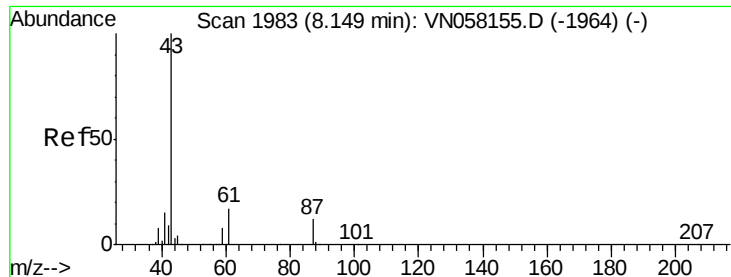
MMDadoda
9/26/2019 1:00:15 PM



#42
1,2-Dichloroethane
Concen: 19.565 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		135707		
98	7.9	0.0	15.6		





#43

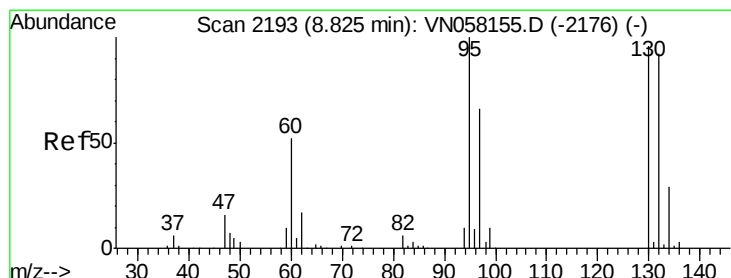
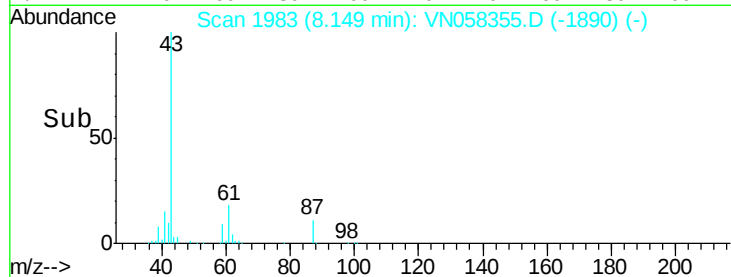
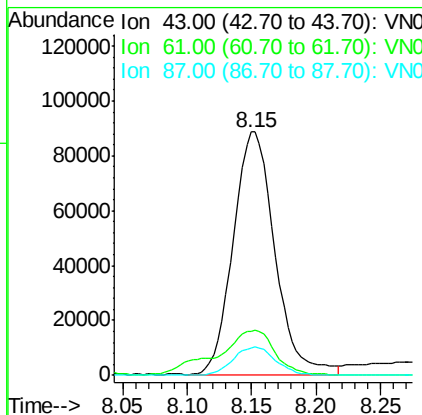
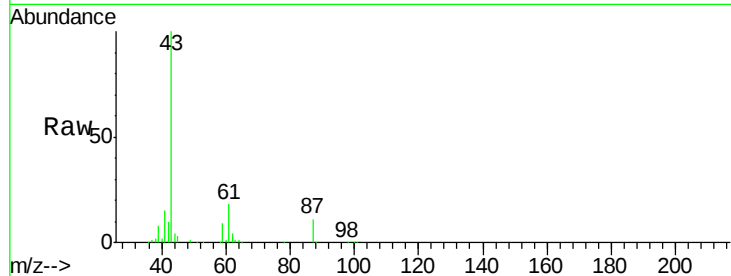
Isopropyl Acetate
 Concen: 18.970 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion	43	Resp	198980
Ion Ratio	100	Lower	Upper
43	100		
61	26.2	19.7	29.5
87	11.9	9.4	14.2

Manual Integrations
 APPROVED

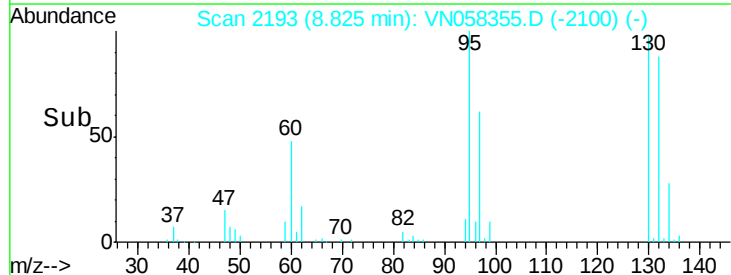
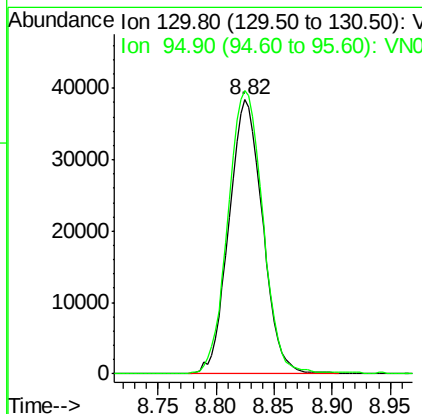
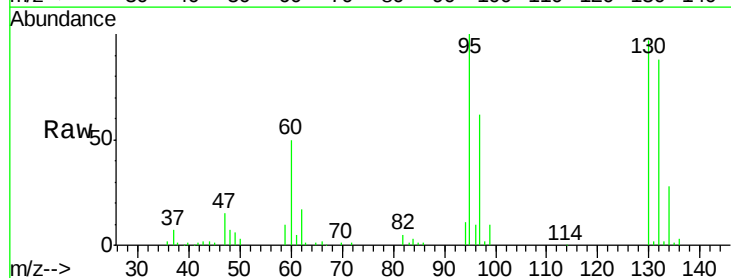
MMDadoda
 9/26/2019 1:00:15 PM

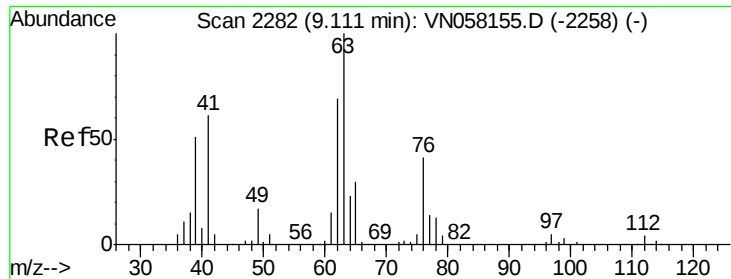


#44

Trichloroethene
 Concen: 19.043 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion	130	Resp	77029
Ion Ratio	100	Lower	Upper
130	100		
95	103.2	0.0	207.8





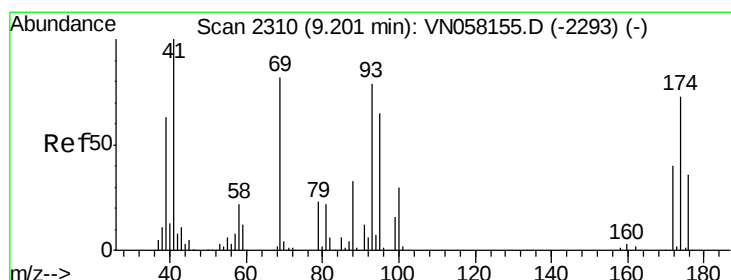
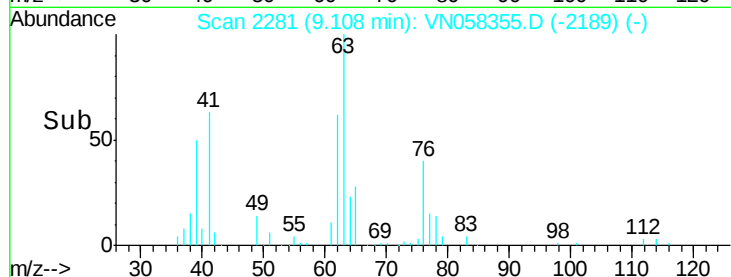
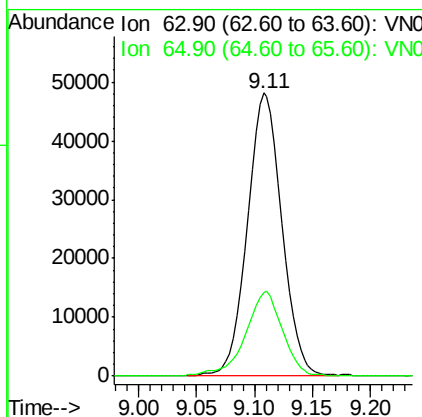
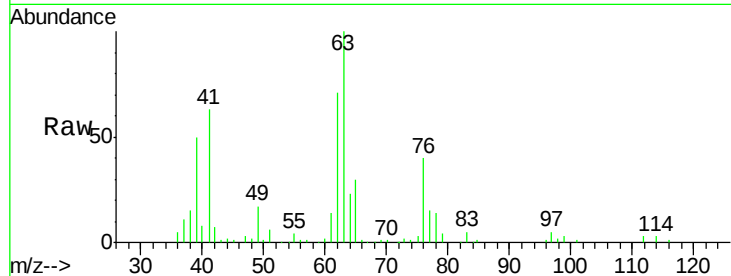
#45
 1,2-Dichloropropane
 Concen: 20.212 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion: 63 Resp: 99778
 Ion Ratio Lower Upper
 63 100
 65 29.6 23.8 35.6

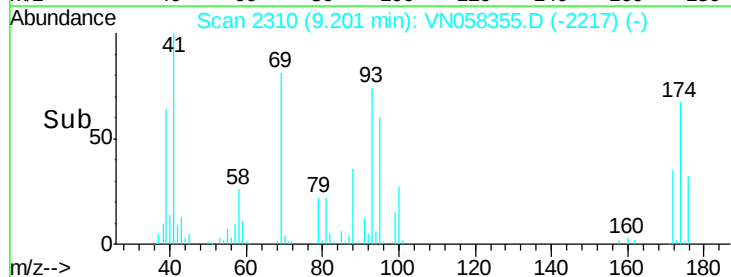
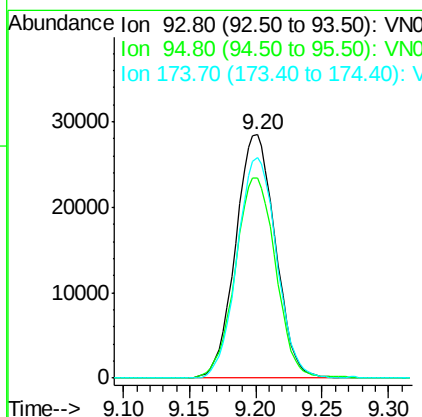
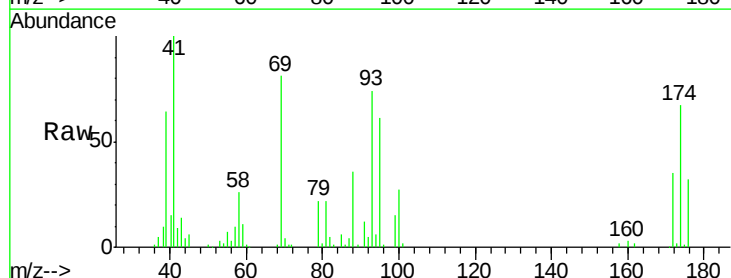
Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 1:00:15 PM



#46
 Dibromomethane
 Concen: 19.758 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion: 93 Resp: 59300
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.8 100.2
 174 89.9 73.8 110.8





#47

Bromodichloromethane

Concen: 20.092 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

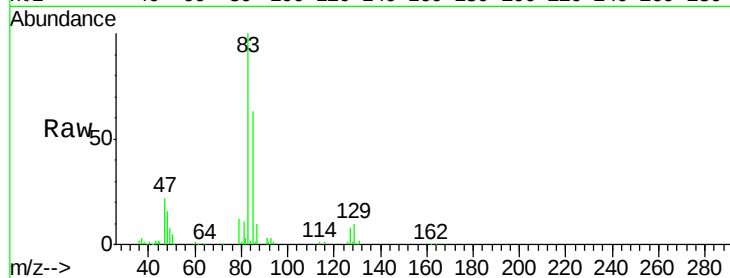
ClientSampleId :

VN0925WBS01

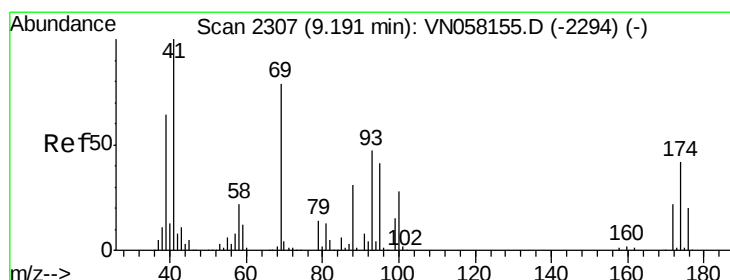
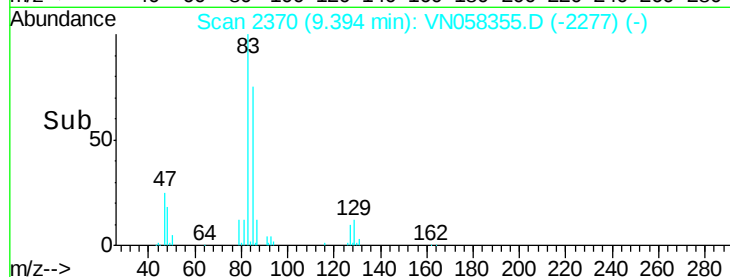
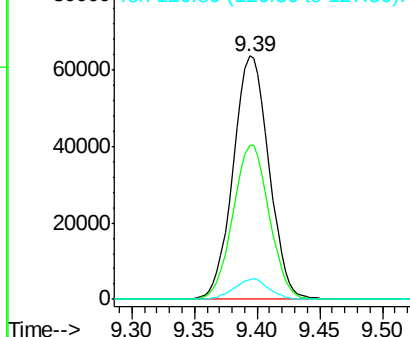
Tot Ion:	83	Resp:	126332
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.1	75.1
127	8.3	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
9/26/2019 1:00:15 PM



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



#48

Methyl methacrylate

Concen: 20.470 ug/l

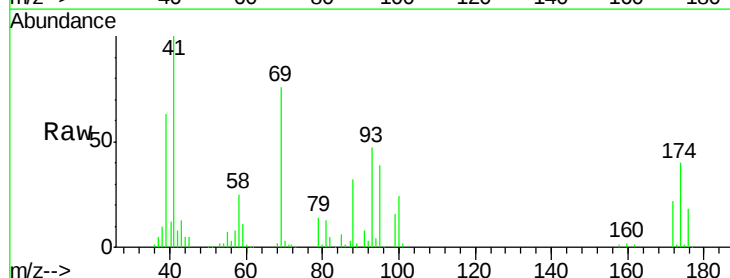
RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

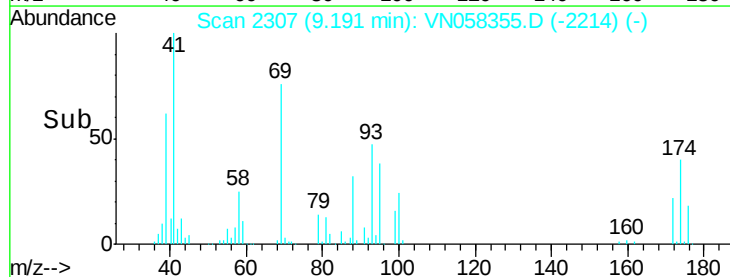
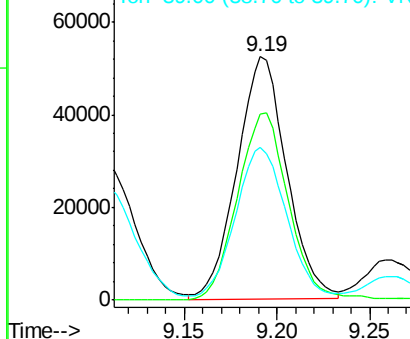
Lab File: VN058355.D

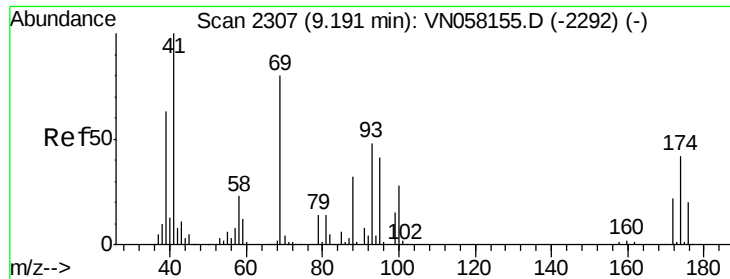
Acq: 25 Sep 2019 10:46

Tgt Ion:	41	Resp:	97490
Ion Ratio	Lower	Upper	
41	100		
69	79.4	62.5	93.7
39	64.9	52.3	78.5



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





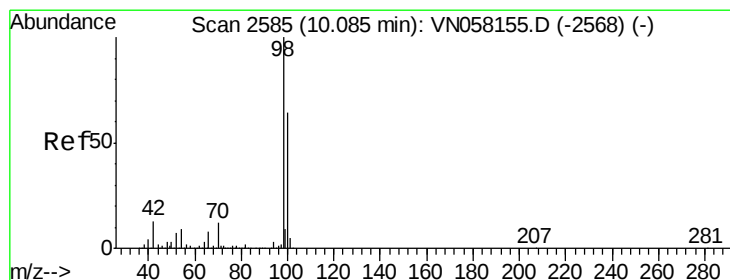
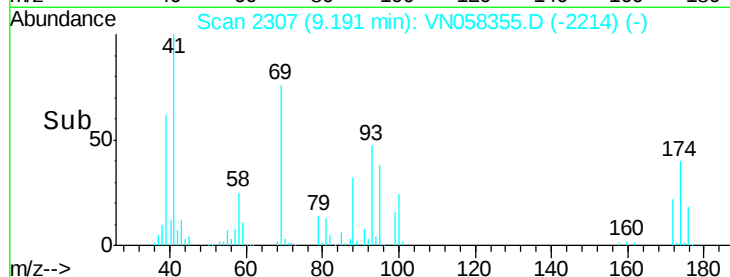
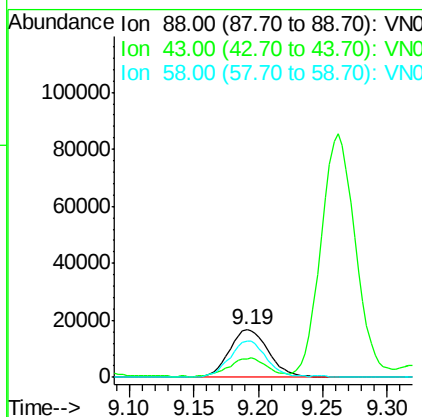
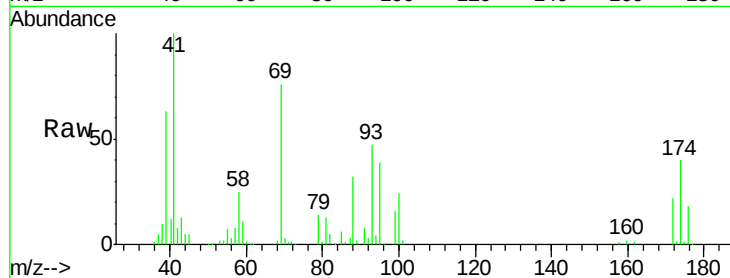
#49
1,4-Dioxane
Concen: 451.721 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	27.8	41.8
58	71.8	55.0	82.4

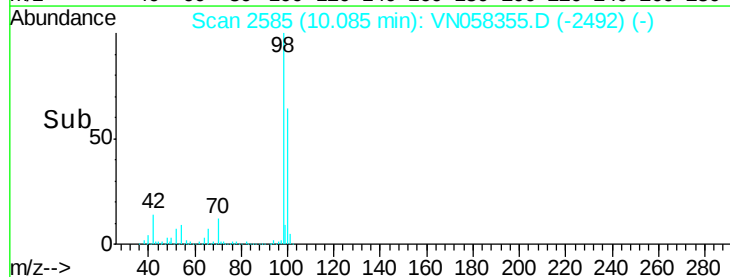
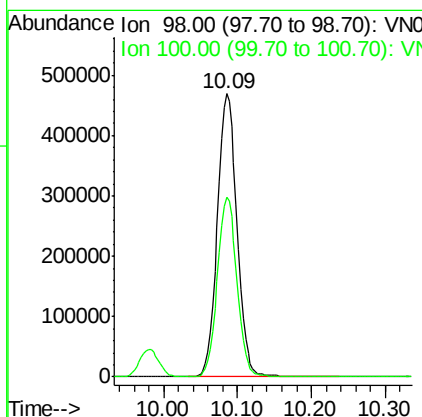
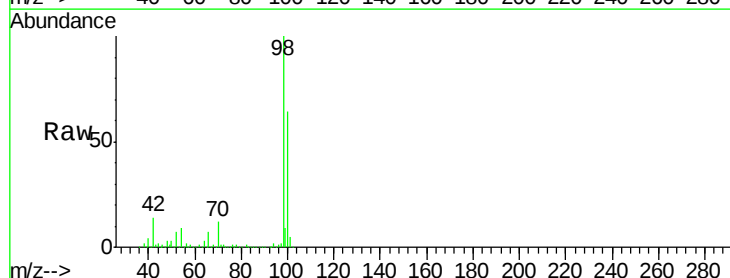
Manual Integrations
APPROVED

MMDadoda
9/26/2019 1:00:15 PM



#50
Toluene-d8
Concen: 48.703 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 114.986 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion: 43 Resp: 640633

Ion Ratio Lower Upper

43 100

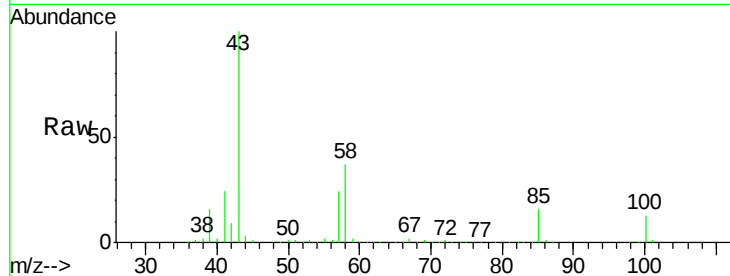
58 36.8 30.2 45.4

Manual Integrations

APPROVED

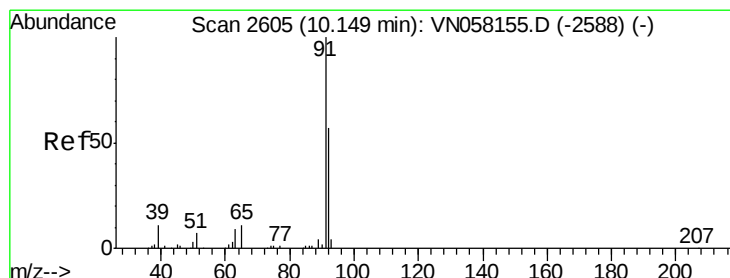
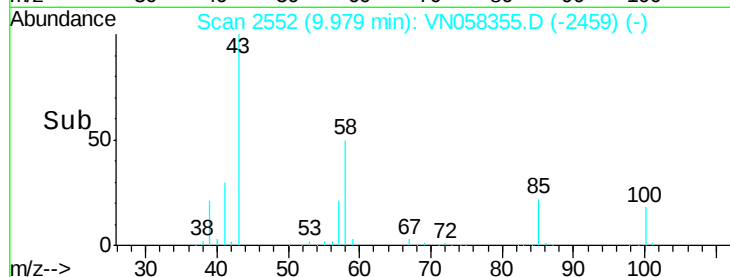
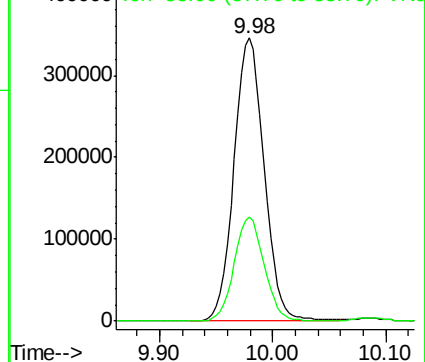
MMDadoda

9/26/2019 1:00:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.842 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058355.D

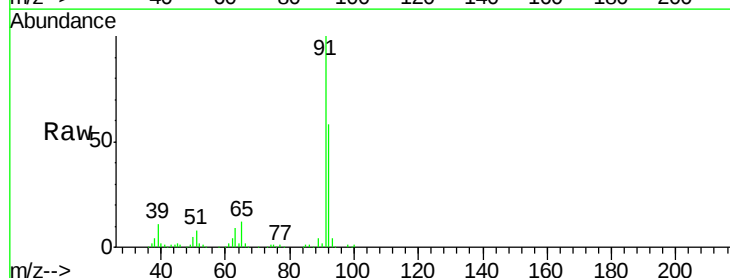
Acq: 25 Sep 2019 10:46

Tgt Ion: 92 Resp: 195198

Ion Ratio Lower Upper

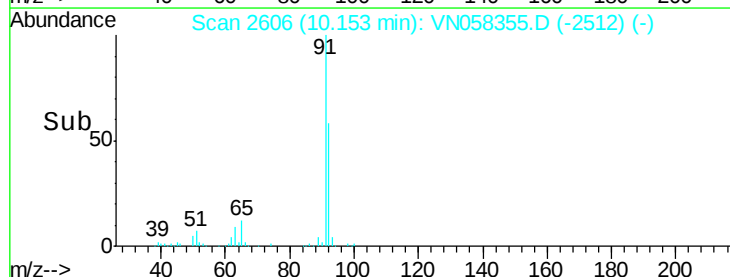
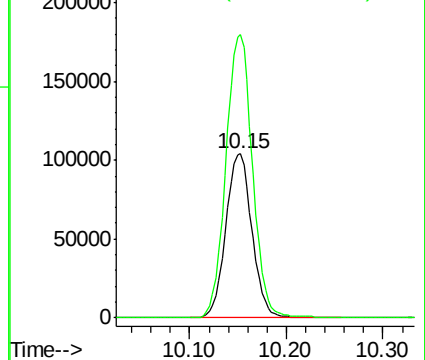
92 100

91 175.7 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.434 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion: 75 Resp: 125166

Ion Ratio Lower Upper

75 100

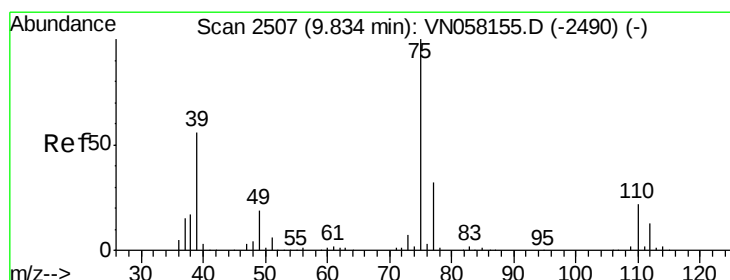
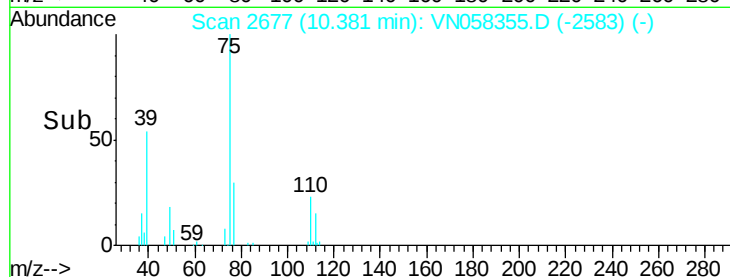
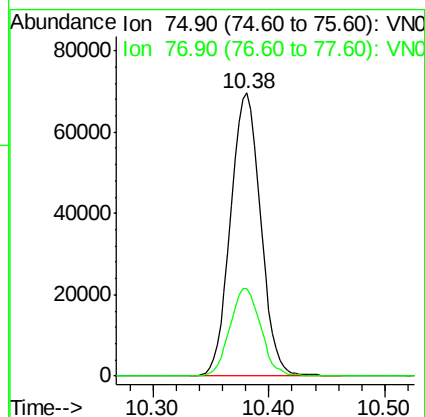
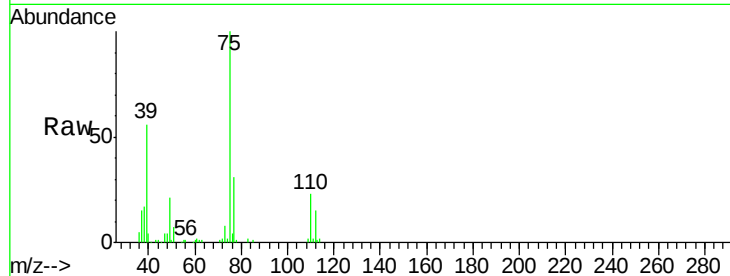
77 30.8 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

9/26/2019 1:00:15 PM



#54

cis-1,3-Dichloropropene

Concen: 19.134 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

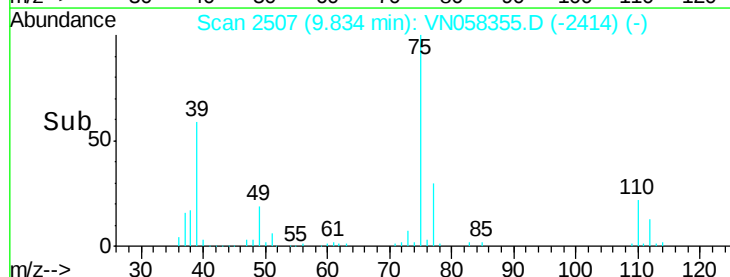
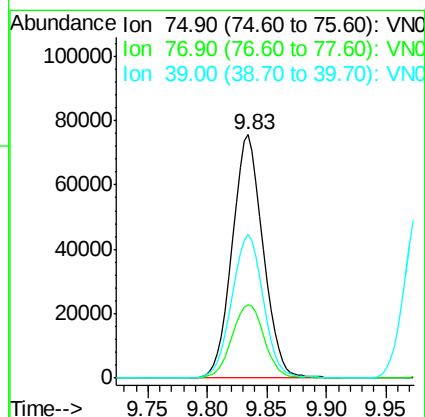
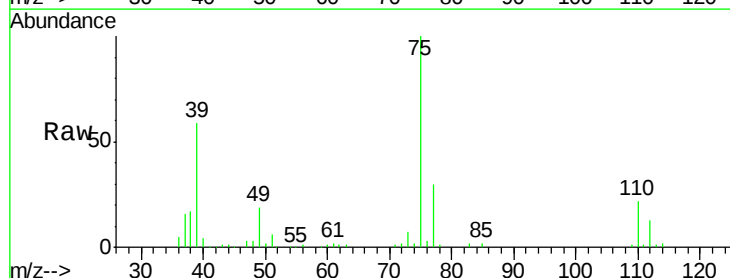
Tgt Ion: 75 Resp: 136063

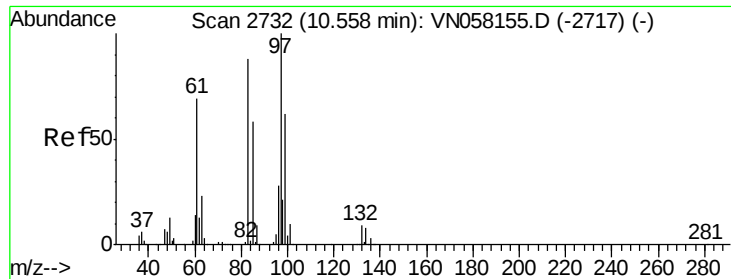
Ion Ratio Lower Upper

75 100

77 30.3 25.4 38.0

39 58.9 45.0 67.6





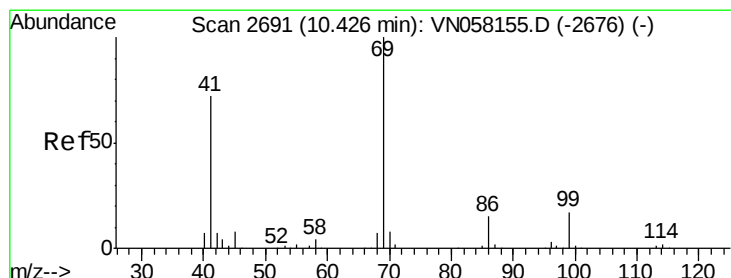
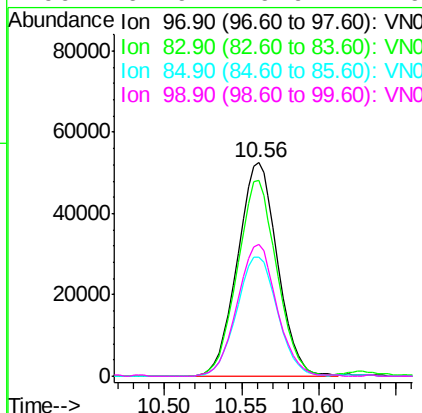
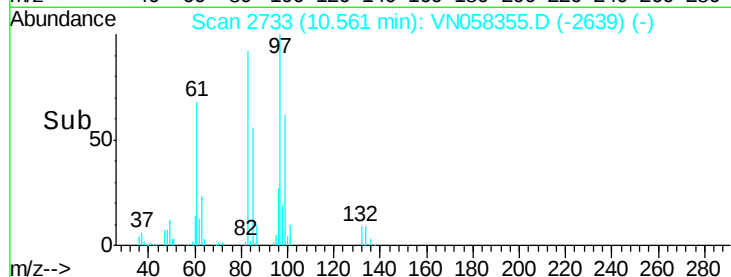
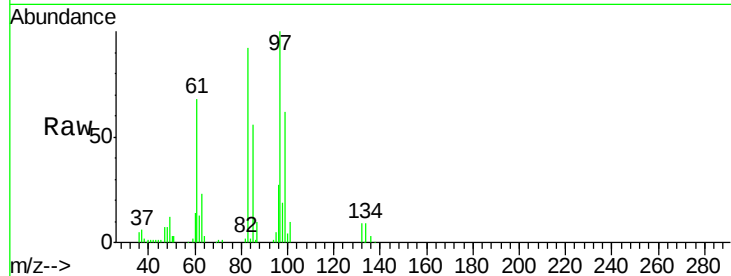
#55
 1,1,2-Trichloroethane
 Concen: 20.549 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		94469		
83	92.0	70.4	105.6		
85	55.9	46.8	70.2		
99	61.9	49.9	74.9		

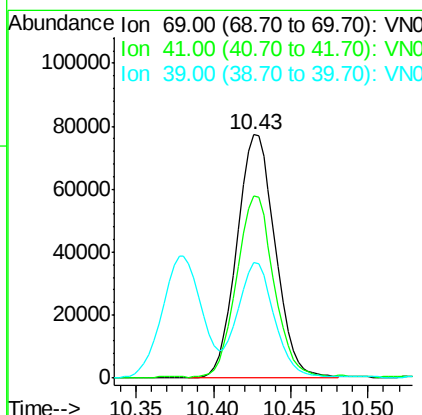
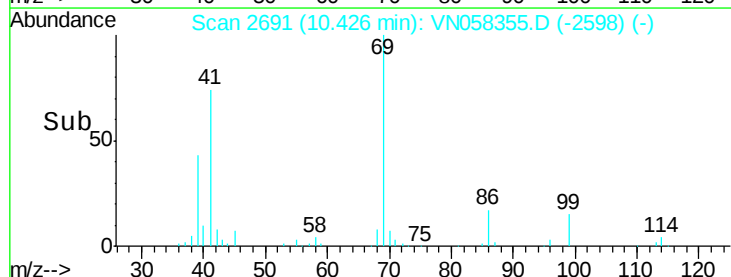
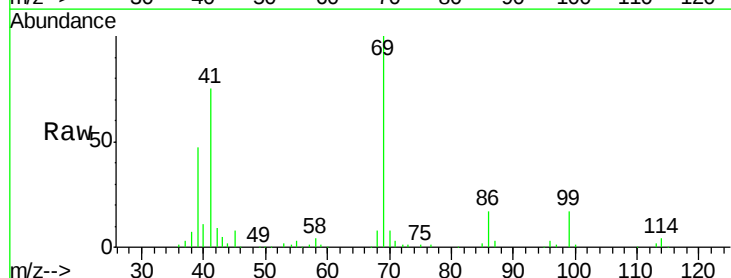
Manual Integrations
 APPROVED

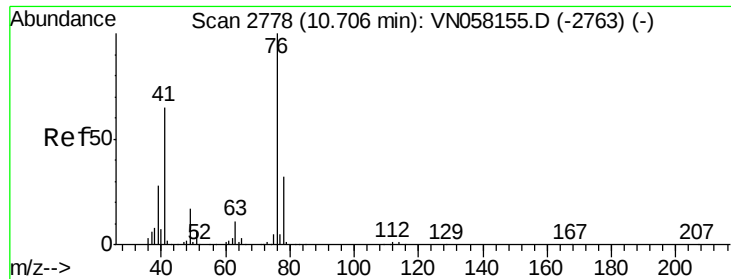
MMDadoda
 9/26/2019 1:00:15 PM



#56
 Ethyl methacrylate
 Concen: 20.089 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		133254		
41	71.9	57.5	86.3		
39	45.7	36.1	54.1		





#57

1,3-Dichloropropane

Concen: 19.711 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion: 76 Resp: 155779

Ion Ratio Lower Upper

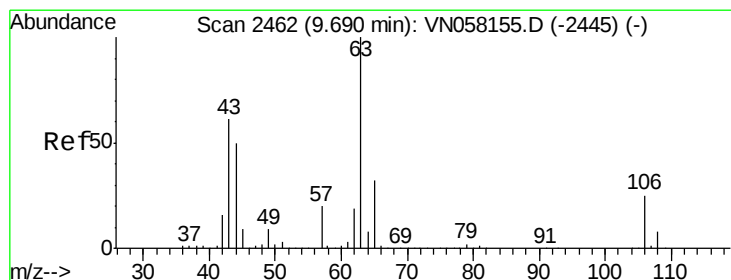
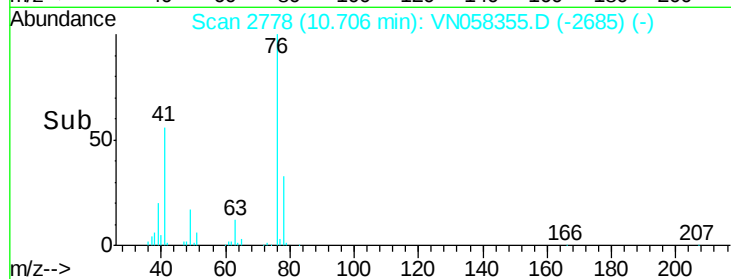
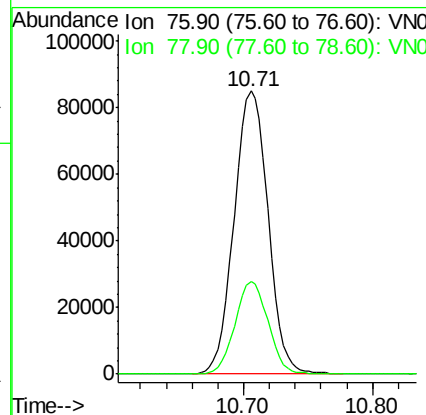
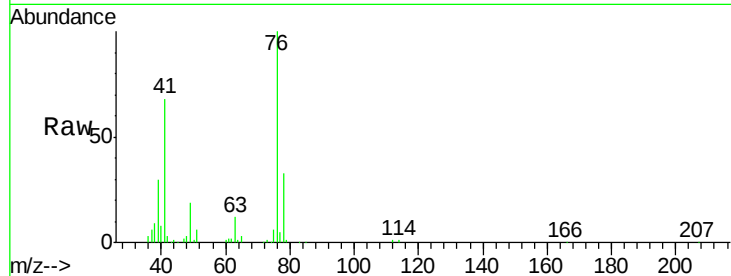
76 100

78 32.0 25.4 38.0

Manual Integrations
APPROVED

MMDadoda

9/26/2019 1:00:15 PM



#58

2-Chloroethyl Vinyl ether

Concen: 103.305 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058355.D

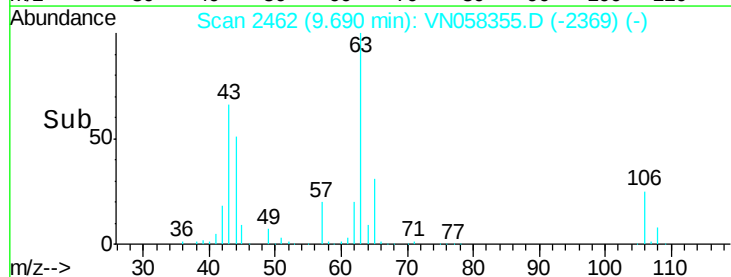
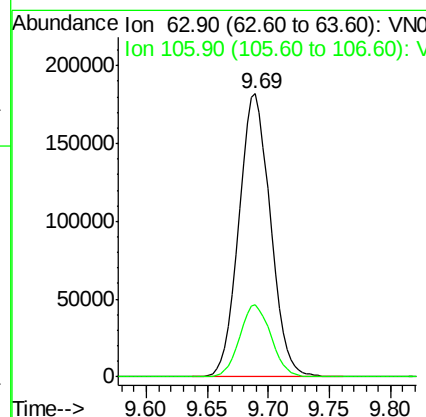
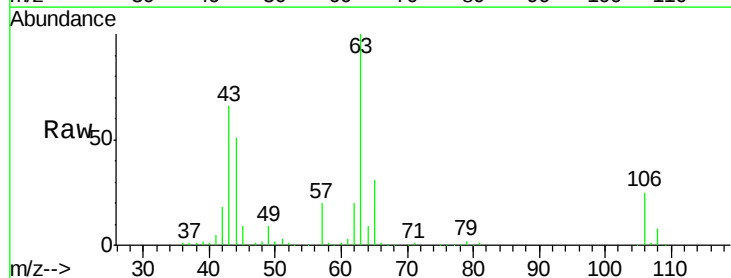
Acq: 25 Sep 2019 10:46

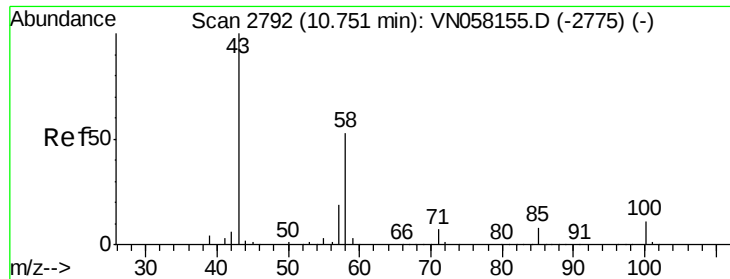
Tgt Ion: 63 Resp: 326392

Ion Ratio Lower Upper

63 100

106 25.3 19.9 29.9





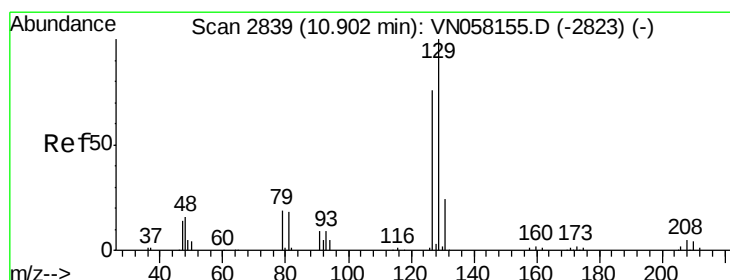
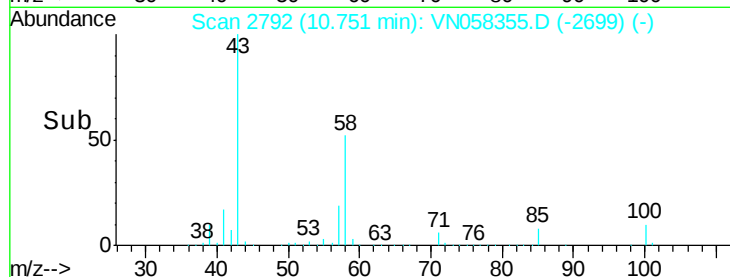
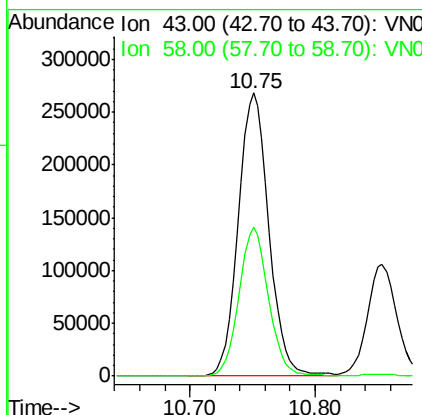
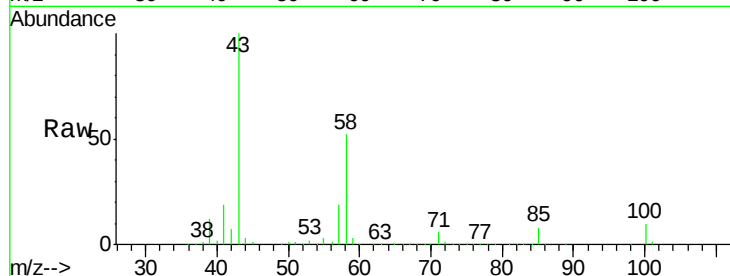
#59
2-Hexanone
Concen: 109.453 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion: 43 Resp: 452899
Ion Ratio Lower Upper
43 100
58 51.0 26.0 78.0

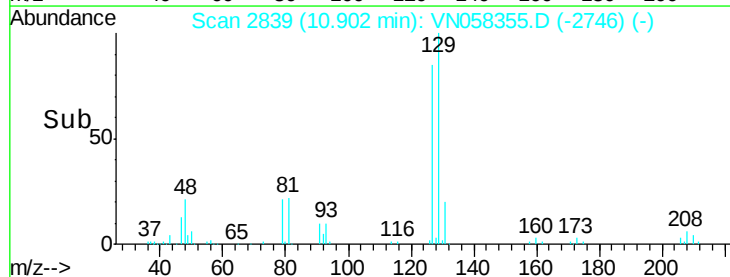
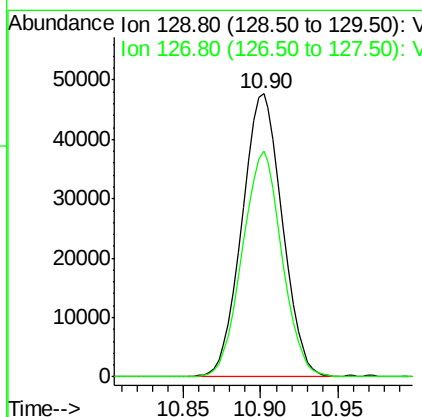
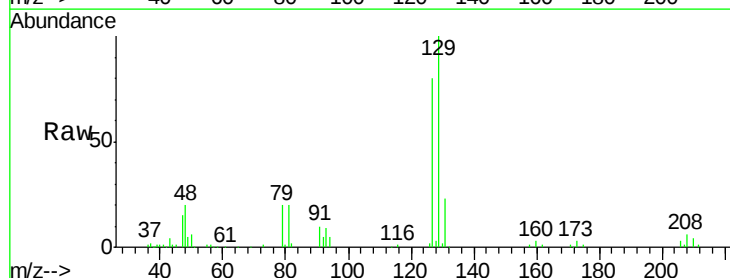
Manual Integrations
APPROVED

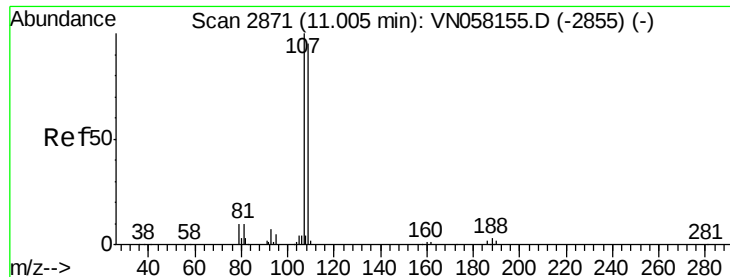
MMDadoda
9/26/2019 1:00:15 PM



#60
Dibromochloromethane
Concen: 19.579 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion: 129 Resp: 86593
Ion Ratio Lower Upper
129 100
127 78.2 38.7 116.1





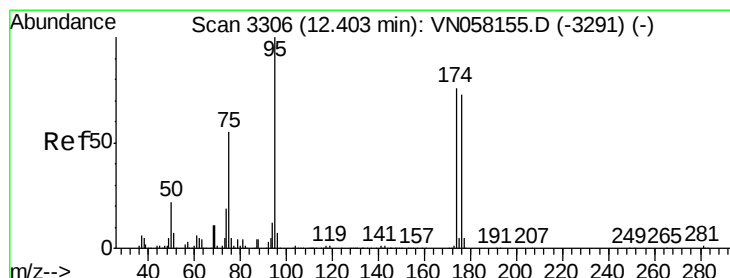
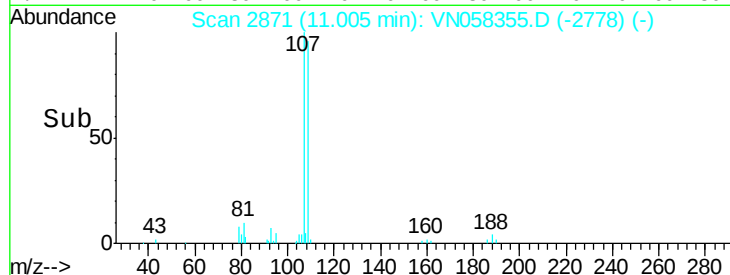
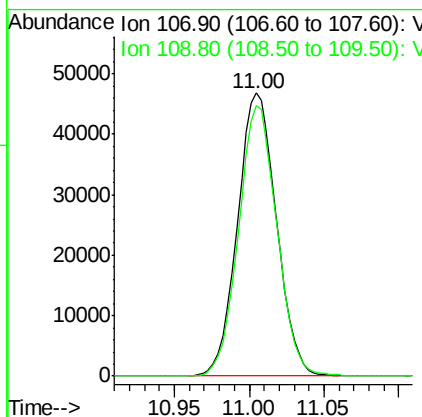
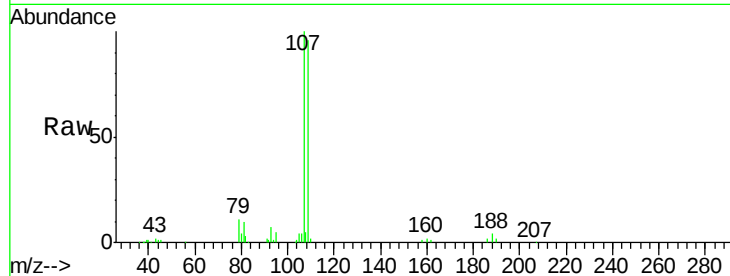
#61
 1,2-Dibromoethane
 Concen: 19.874 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBS01

Tot Ion:107 Resp: 84674
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.4 113.2

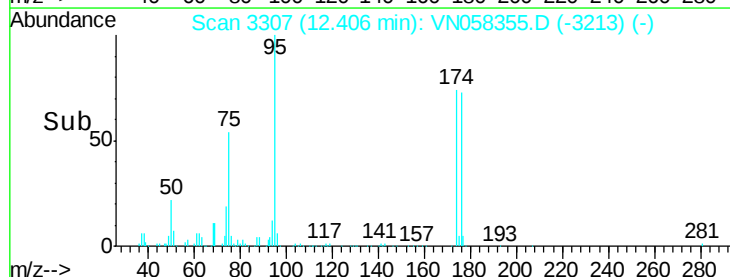
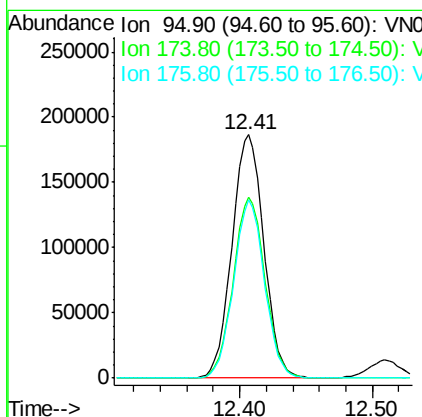
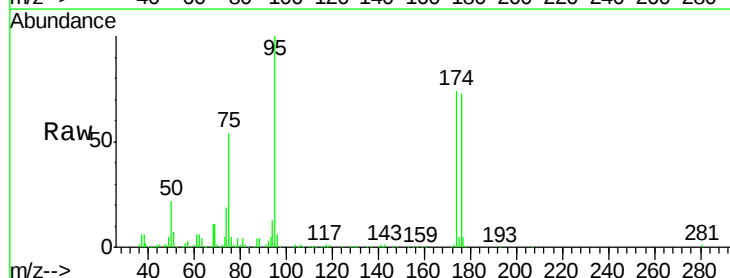
Manual Integrations
 APPROVED

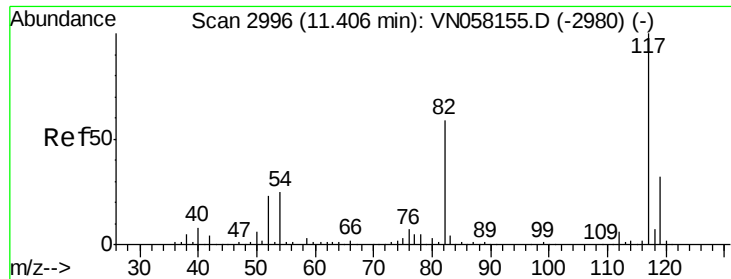
MMDadoda
 9/26/2019 1:00:15 PM



#62
 4-Bromofluorobenzene
 Concen: 47.159 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion: 95 Resp: 311379
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 152.2
 176 70.9 0.0 148.0





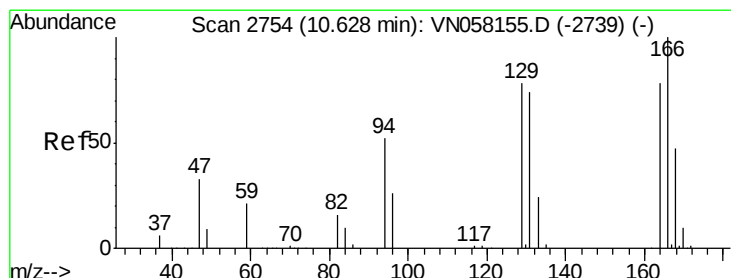
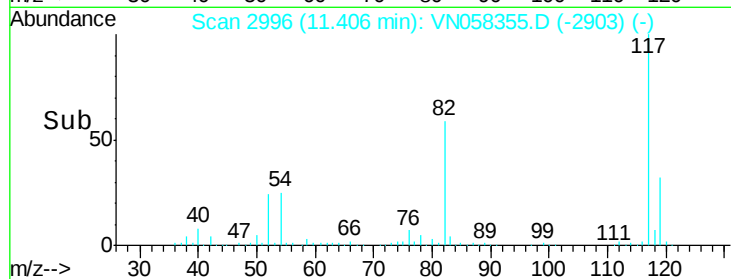
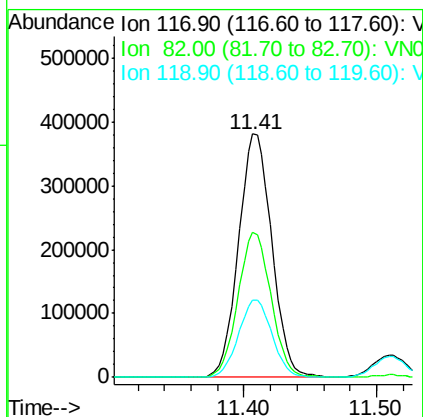
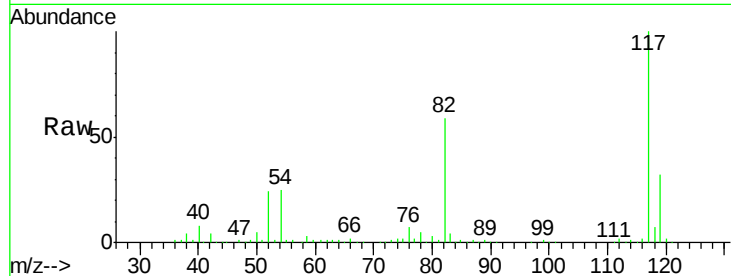
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	46.9	70.3
119	31.7	25.3	37.9

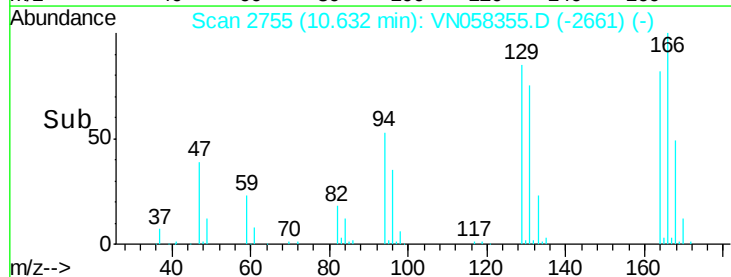
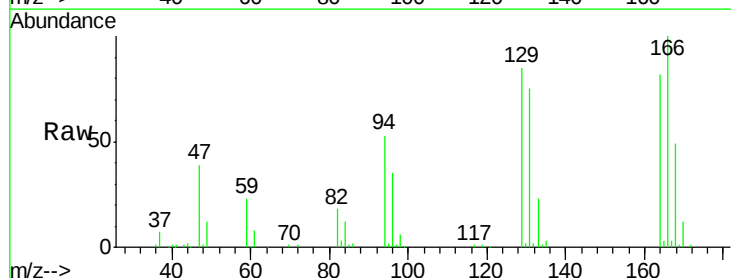
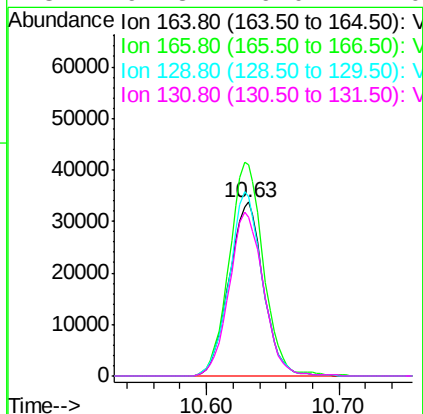
Manual Integrations
APPROVED

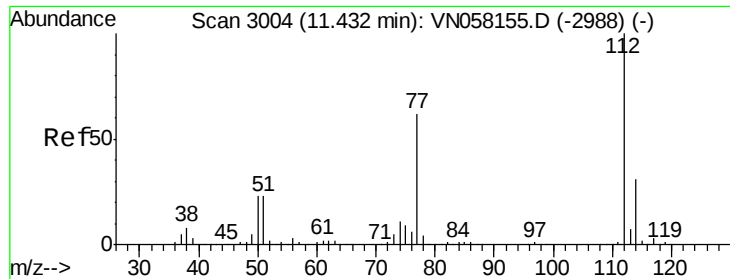
MMDadoda
9/26/2019 1:00:15 PM



#64
Tetrachloroethene
Concen: 18.665 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.0	102.2	153.4
129	103.3	79.6	119.4
131	91.3	76.0	114.0





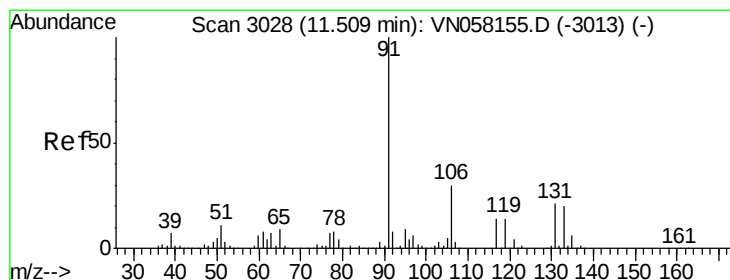
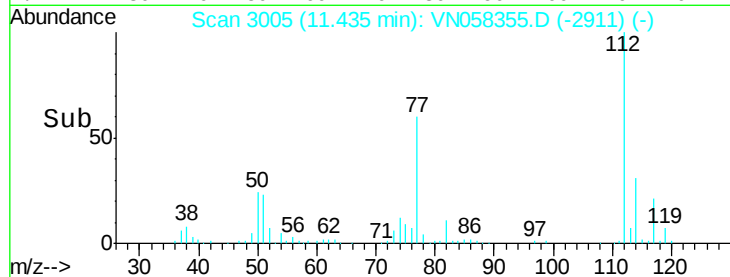
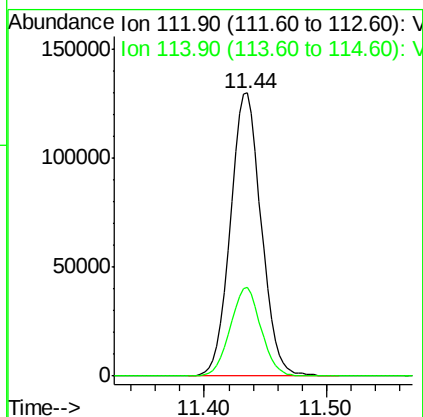
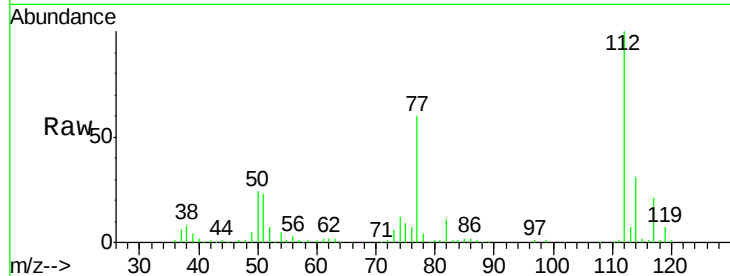
#65
Chlorobenzene
Concen: 19.548 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

Tot Ion:112 Resp: 228594
Ion Ratio Lower Upper
112 100
114 31.3 25.1 37.7

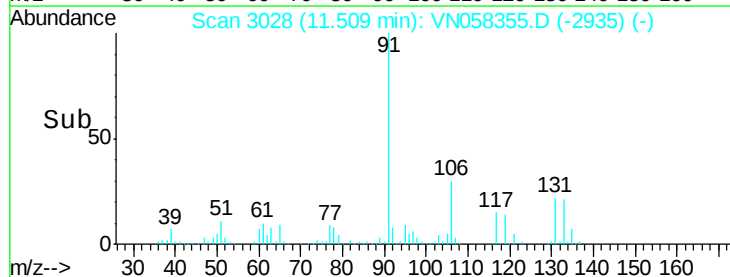
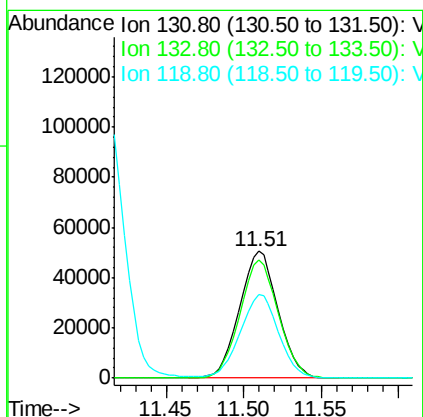
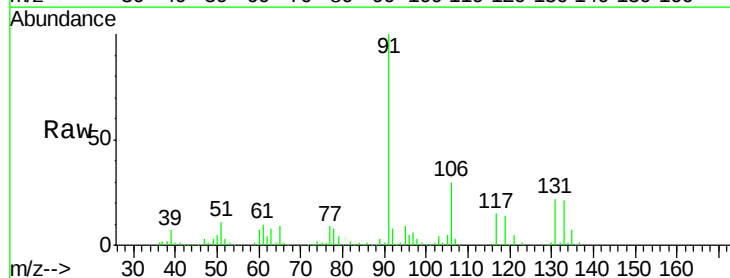
Manual Integrations
APPROVED

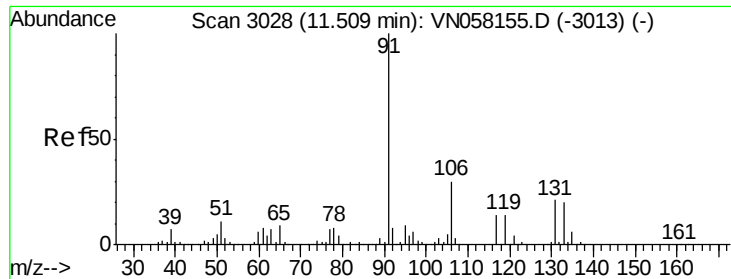
MMDadoda
9/26/2019 1:00:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.595 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion:131 Resp: 87329
Ion Ratio Lower Upper
131 100
133 92.9 47.8 143.3
119 65.9 33.1 99.3





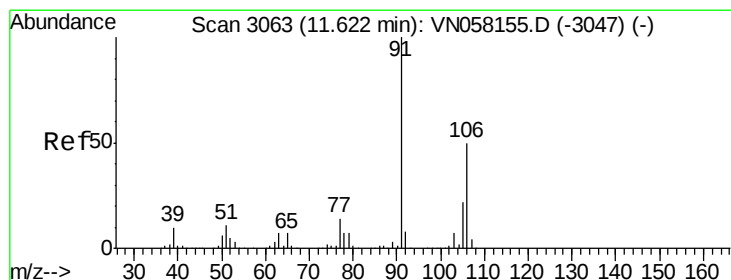
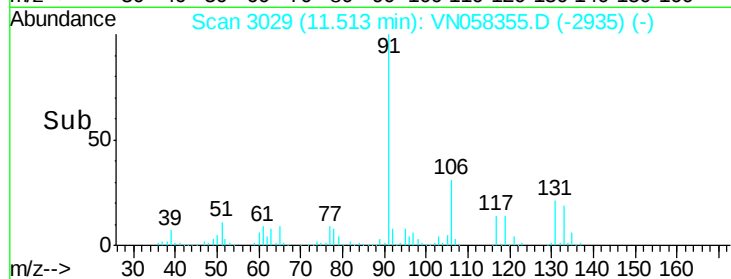
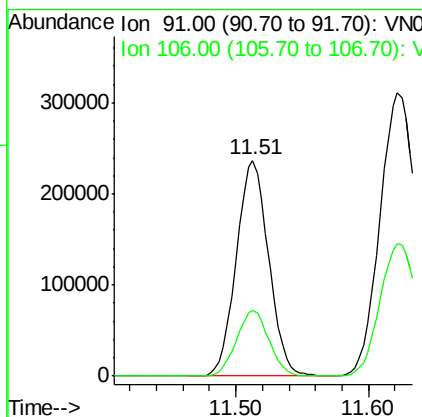
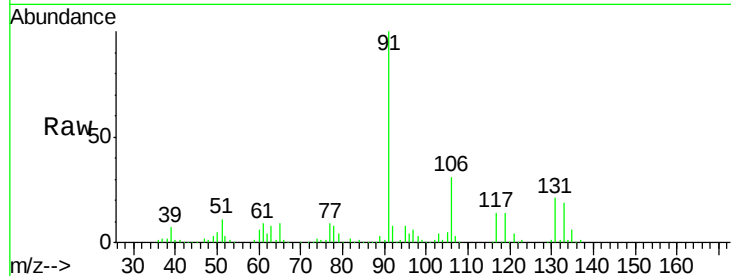
#67
Ethyl Benzene
Concen: 19.982 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion: 91 Resp: 400388
Ion Ratio Lower Upper
91 100
106 30.7 24.0 36.0

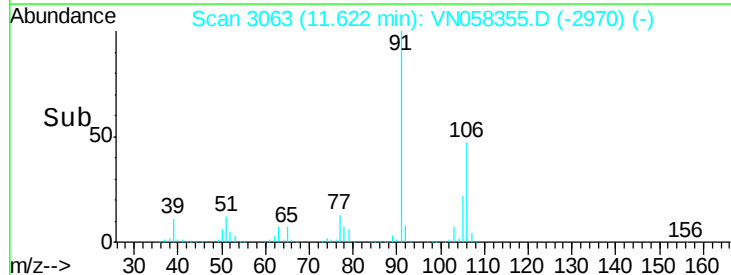
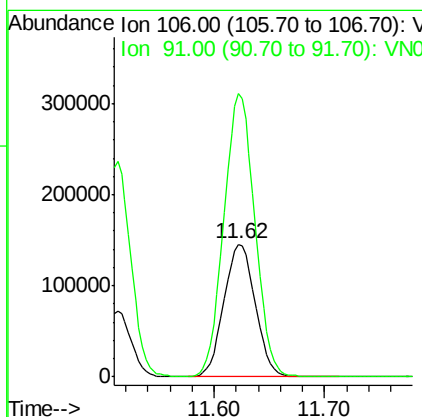
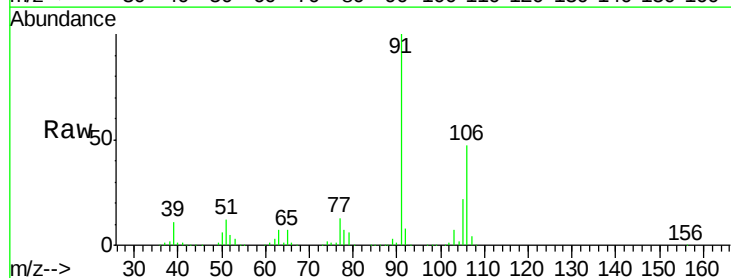
Manual Integrations
APPROVED

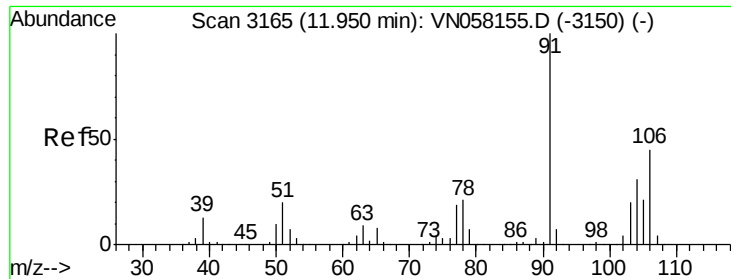
MMDadoda
9/26/2019 1:00:15 PM



#68
m/p-Xylenes
Concen: 38.033 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion: 106 Resp: 287020
Ion Ratio Lower Upper
106 100
91 210.3 163.6 245.4





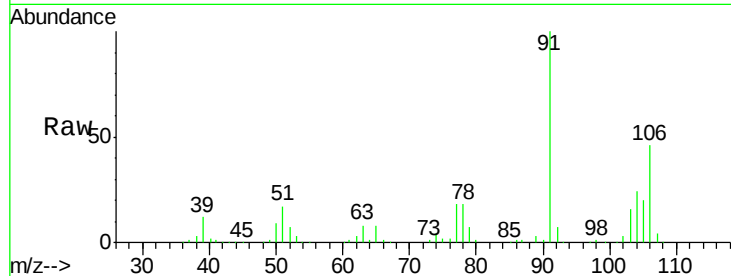
#69
o-Xylene
Concen: 19.911 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

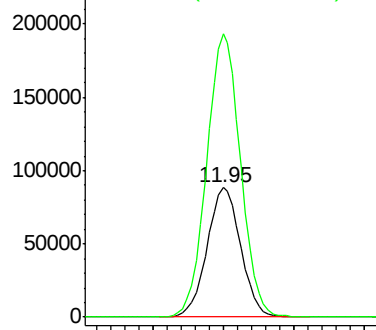
Tot Ion:106 Resp: 147748
Ion Ratio Lower Upper
106 100
91 219.4 111.8 335.3

Manual Integrations
APPROVED

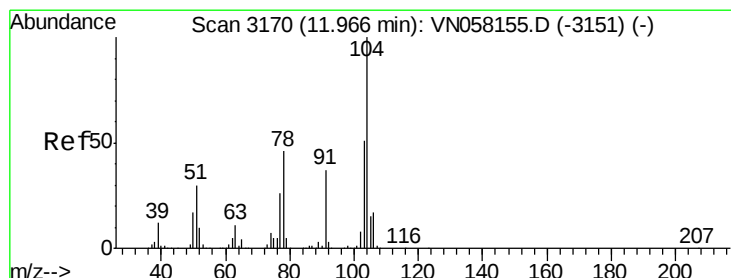
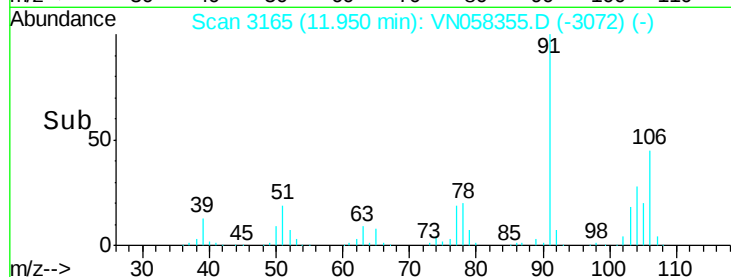
MMDadoda
9/26/2019 1:00:15 PM



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

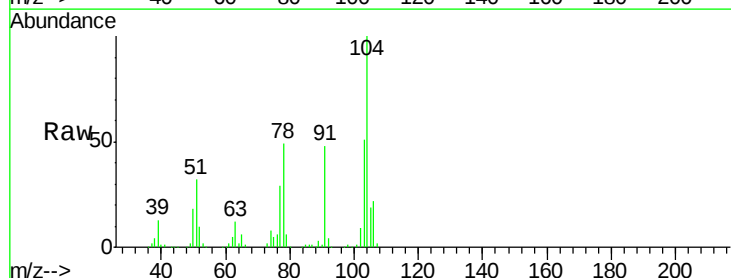


Time-->

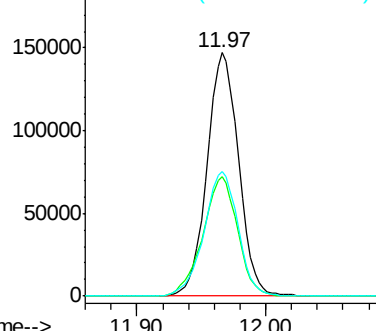


#70
Styrene
Concen: 19.579 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

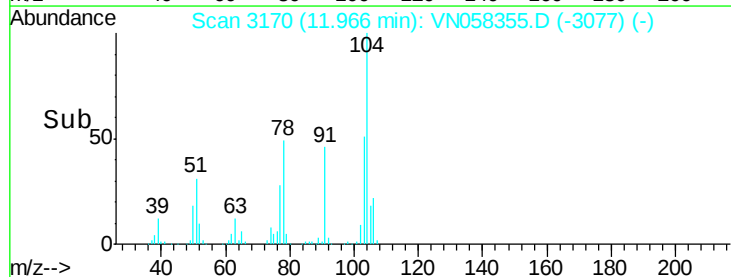
Tgt Ion:104 Resp: 250322
Ion Ratio Lower Upper
104 100
78 53.8 41.8 62.8
103 55.2 44.2 66.2

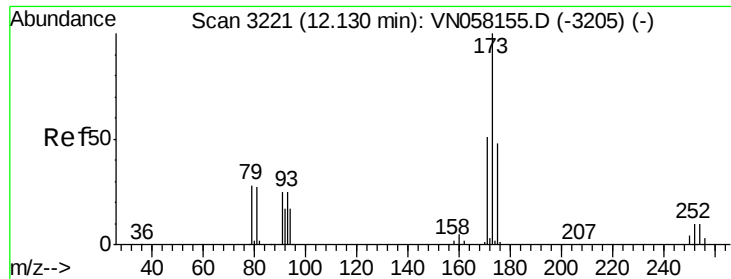


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V



Time-->





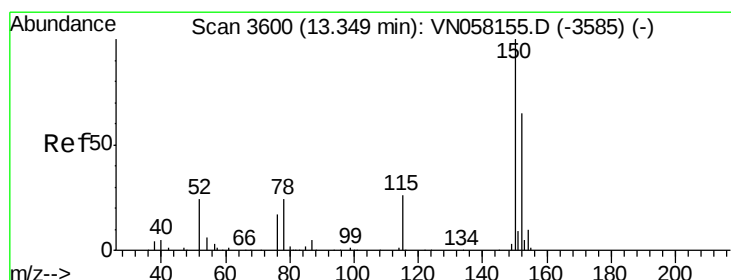
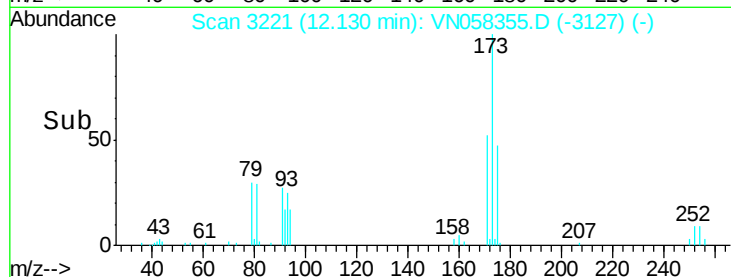
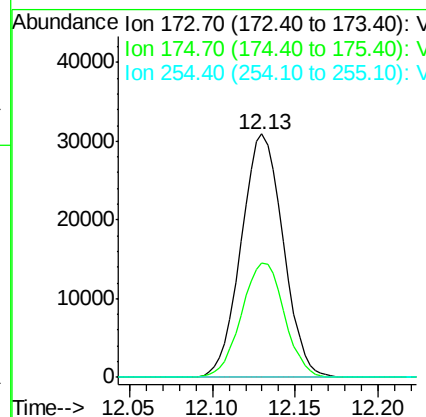
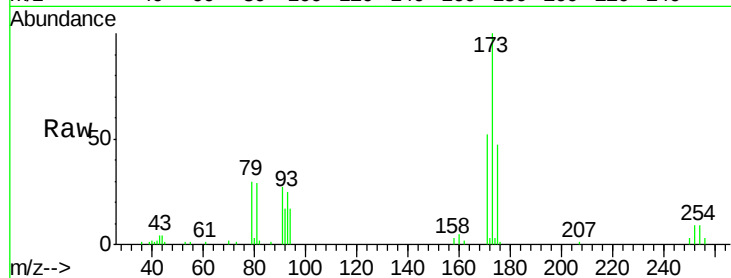
#71
Bromoform
Concen: 19.685 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.2	72.6
254	0.0	0.1	0.1#

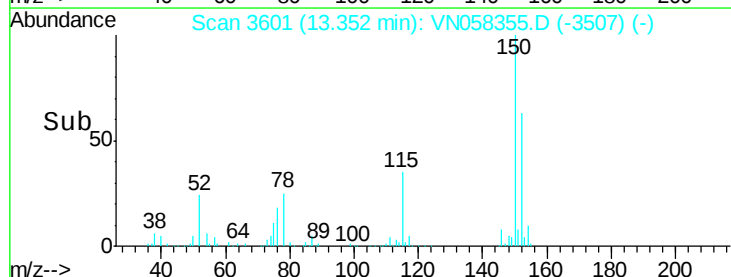
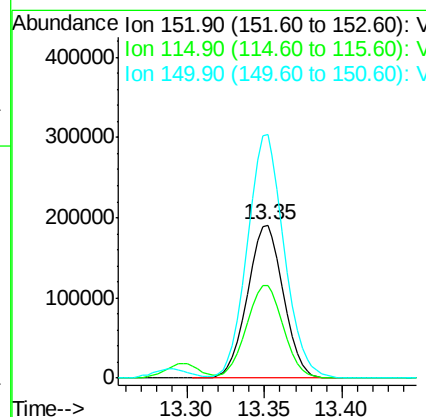
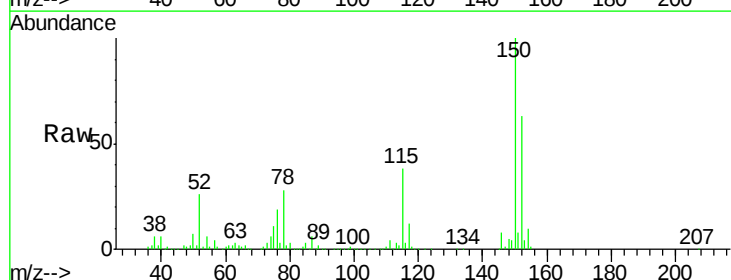
Manual Integrations
APPROVED

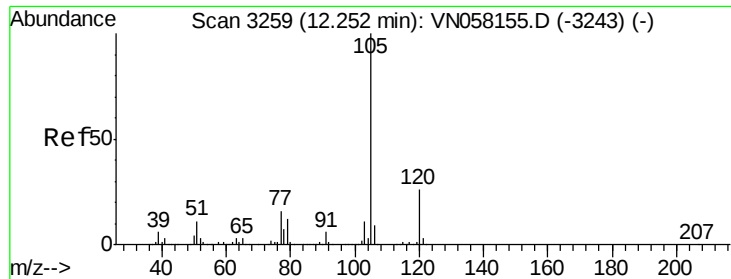
MMDadoda
9/26/2019 1:00:15 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	30.1	90.3
150	163.2	0.0	346.4





#73

Isopropylbenzene

Concen: 21.252 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion: 105 Resp: 410490

Ion Ratio Lower Upper

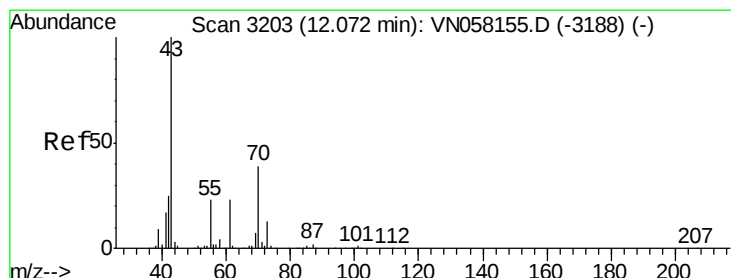
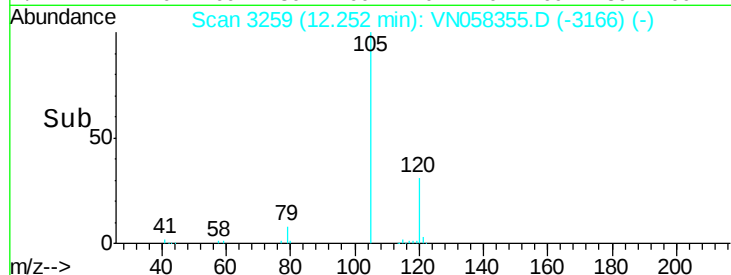
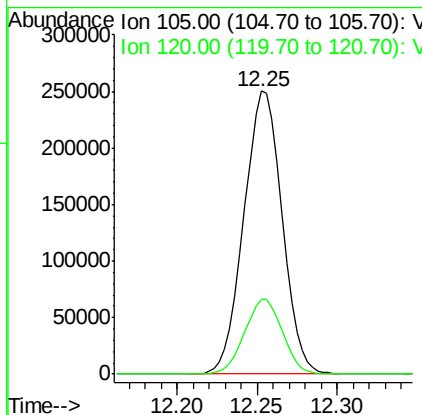
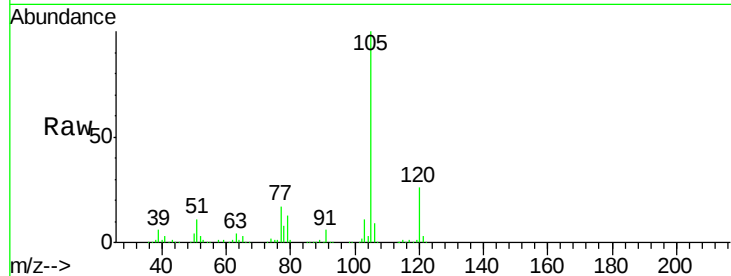
105 100

120 26.2 12.8 38.3

Manual Integrations
APPROVED

MMDadoda

9/26/2019 1:00:15 PM



#74

N-ethyl acetate

Concen: 21.710 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Tgt Ion: 43 Resp: 175419

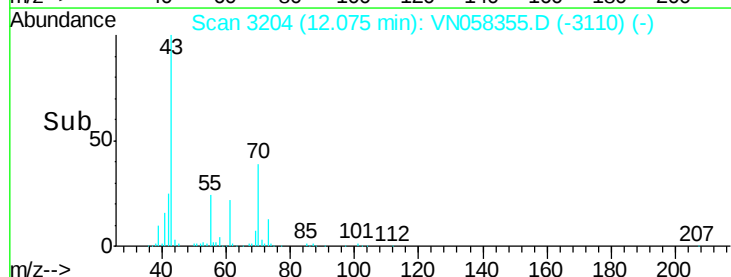
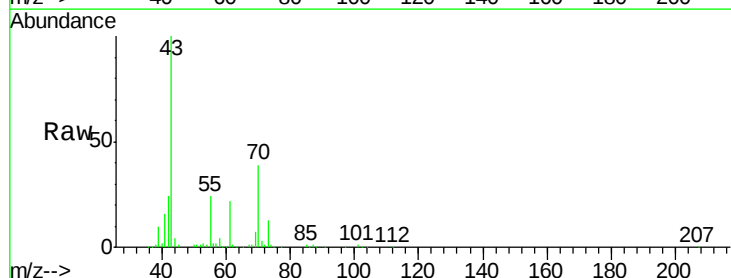
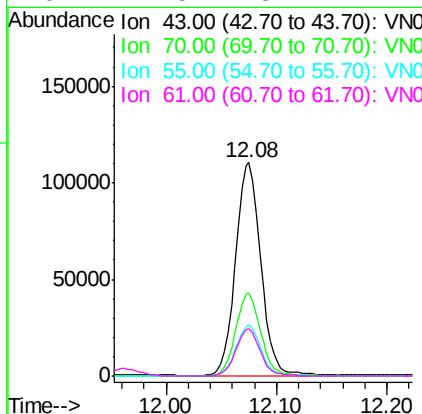
Ion Ratio Lower Upper

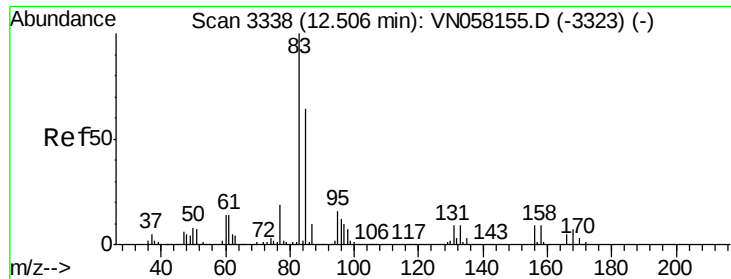
43 100

70 38.8 31.0 46.6

55 23.8 18.5 27.7

61 21.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.465 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion: 83 Resp: 145308

Ion Ratio Lower Upper

83 100

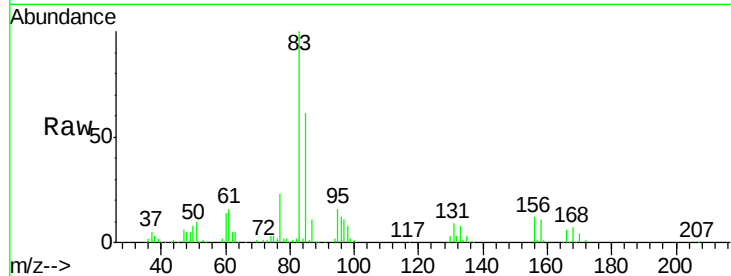
131 9.2 4.8 14.3

85 63.5 31.9 95.5

Manual Integrations
APPROVED

MMDadoda

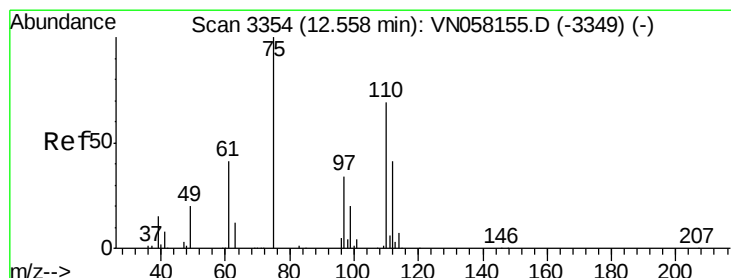
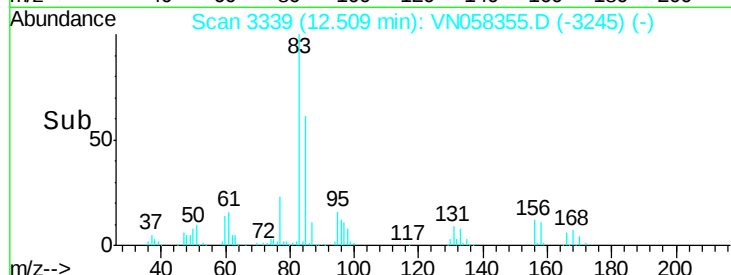
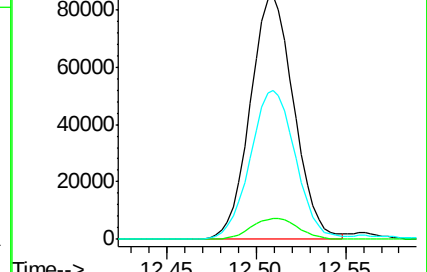
9/26/2019 1:00:15 PM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 20.766 ug/l m

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058355.D

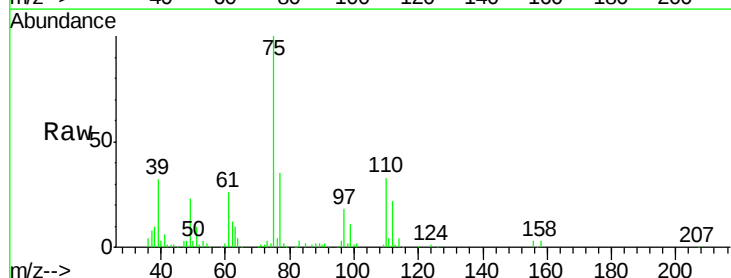
Acq: 25 Sep 2019 10:46

Tgt Ion: 75 Resp: 114682

Ion Ratio Lower Upper

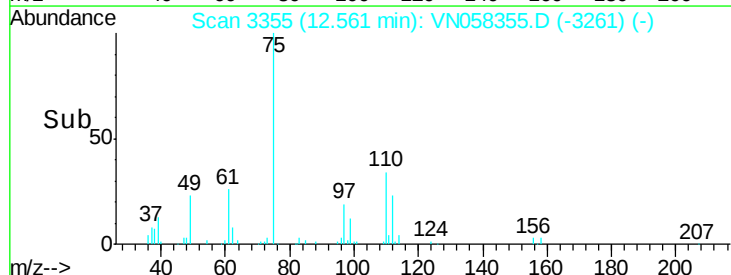
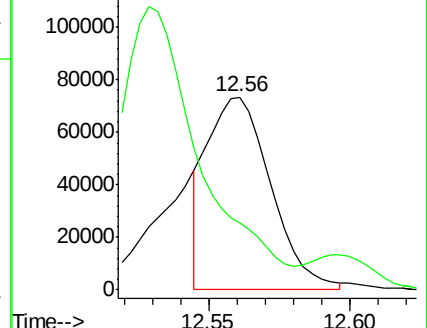
75 100

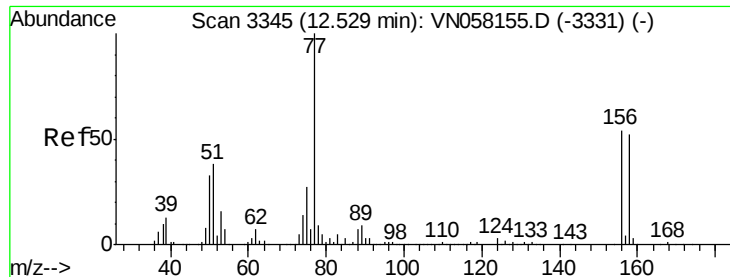
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.862 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

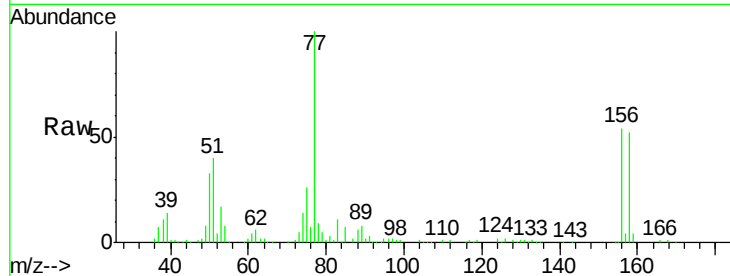
ClientSampled :

VN0925WBS01

Tot Ion:	156	Resp:	96502
Ion	Ratio	Lower	Upper
156	100		
77	229.7	111.7	335.1
158	97.2	47.9	143.8

Manual Integrations
APPROVED

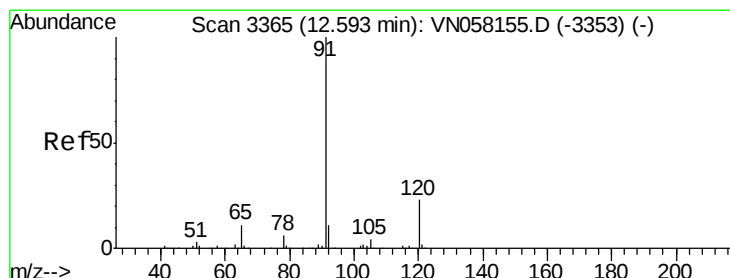
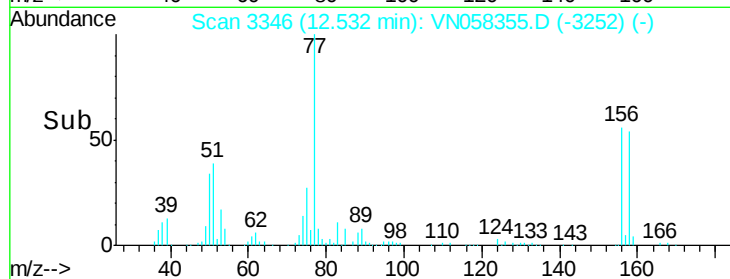
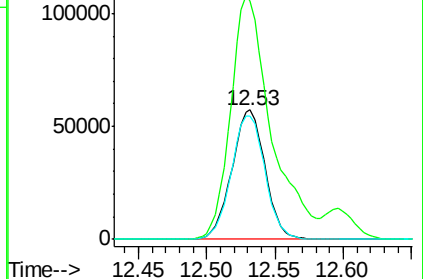
MMDadoda
9/26/2019 1:00:15 PM



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: 21.880 ug/l

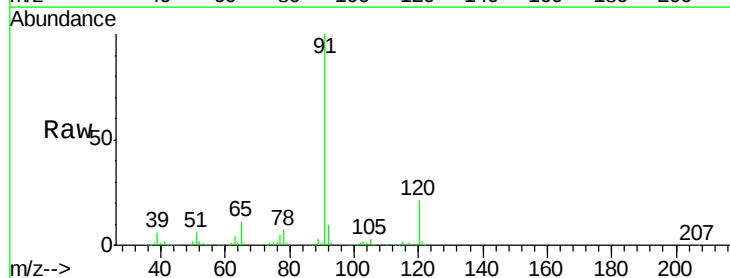
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058355.D

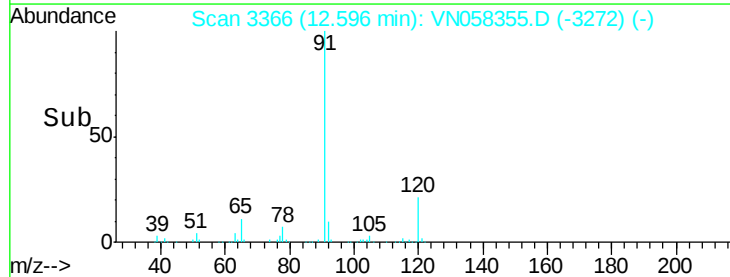
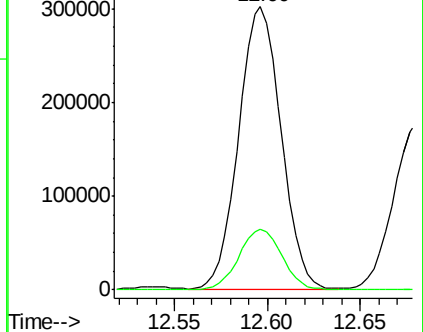
Acq: 25 Sep 2019 10:46

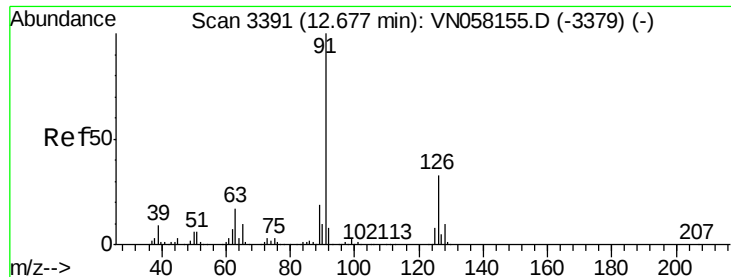
Tgt Ion:	91	Resp:	480245
Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.931 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion: 91 Resp: 287116

Ion Ratio Lower Upper

91 100

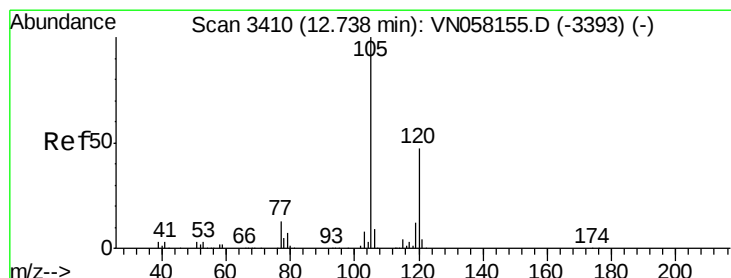
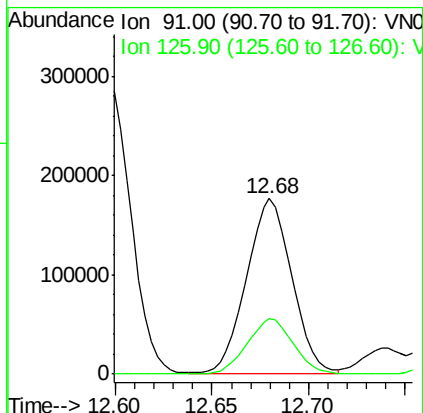
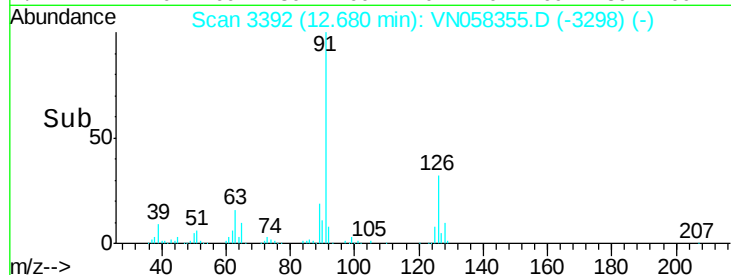
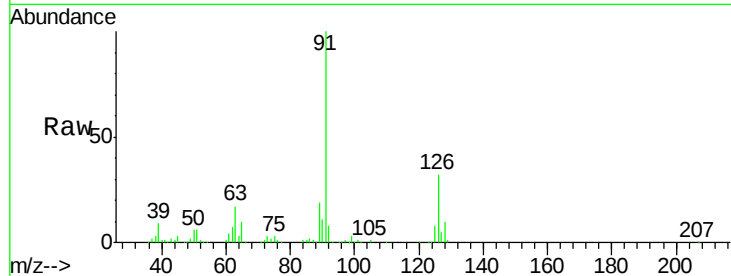
126 32.3 16.4 49.1

Manual Integrations

APPROVED

MMDadoda

9/26/2019 1:00:15 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.477 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058355.D

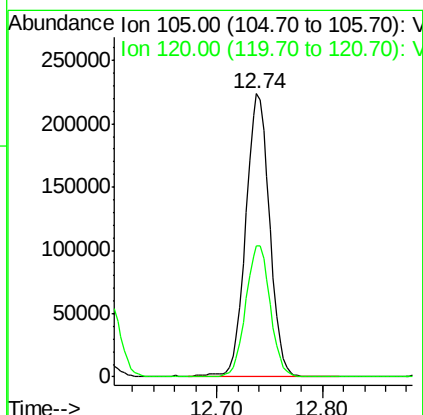
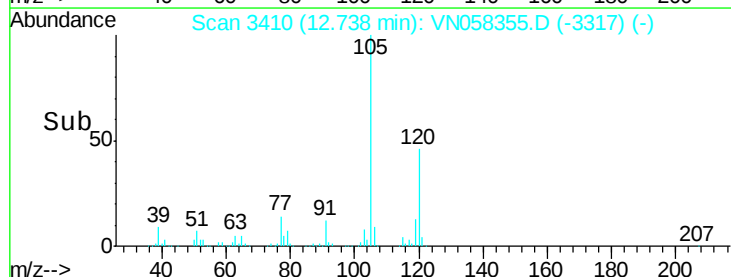
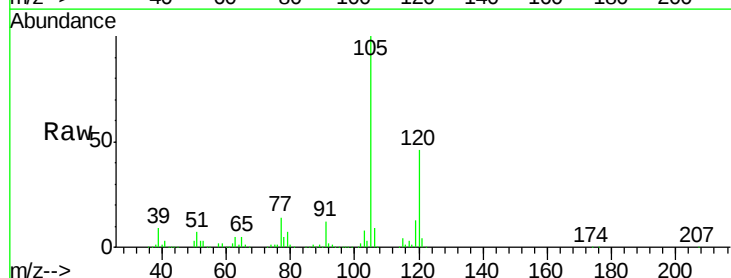
Acq: 25 Sep 2019 10:46

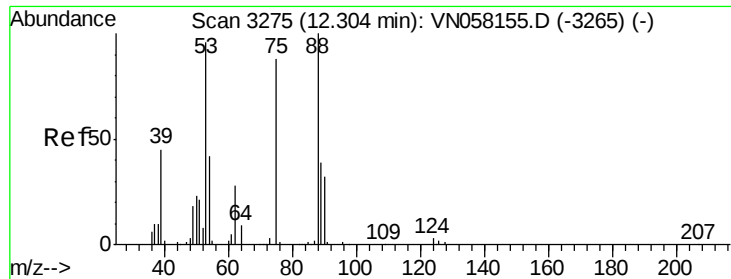
Tgt Ion: 105 Resp: 350782

Ion Ratio Lower Upper

105 100

120 47.7 23.4 70.0





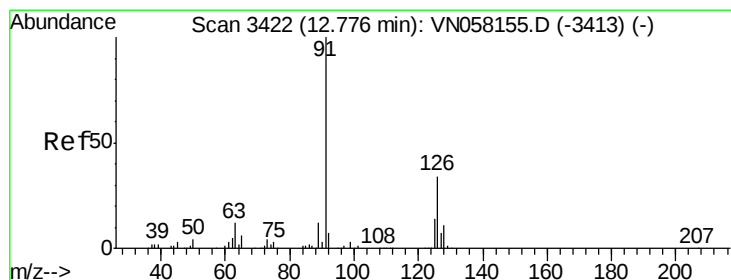
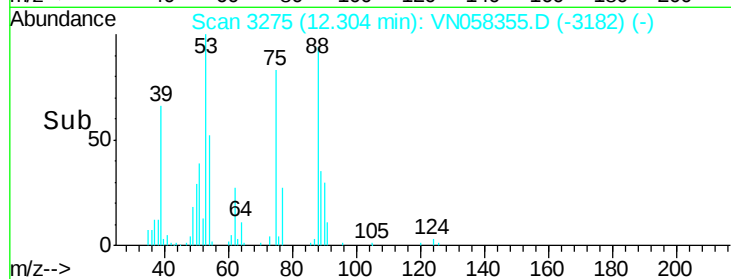
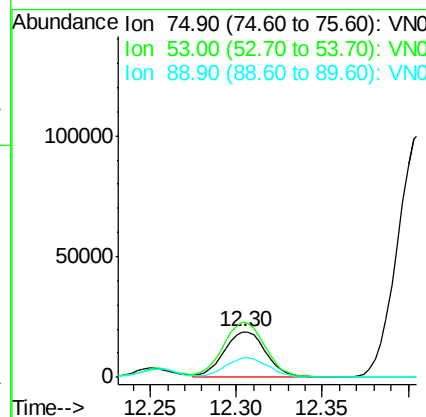
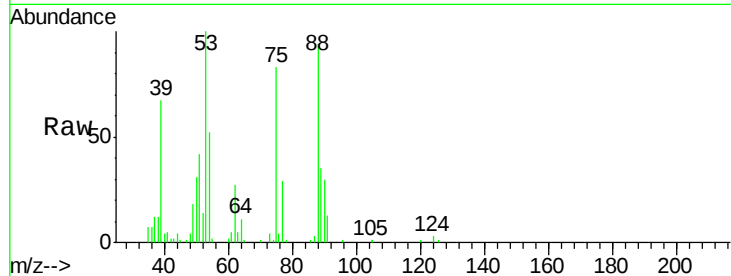
#81
trans-1,4-Dichloro-2-butene
Concen: 21.251 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.2	90.1	135.1
89	43.8	36.2	54.2

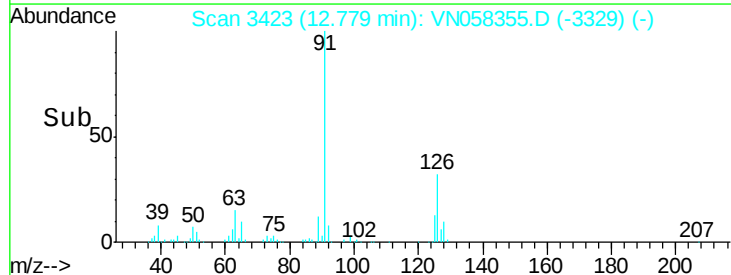
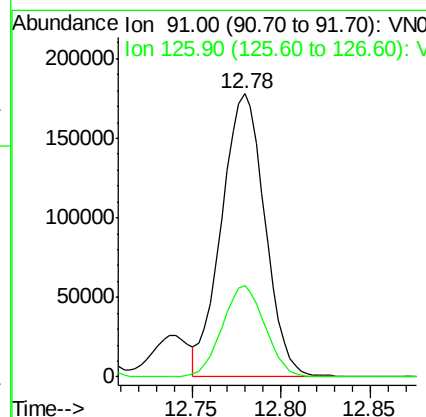
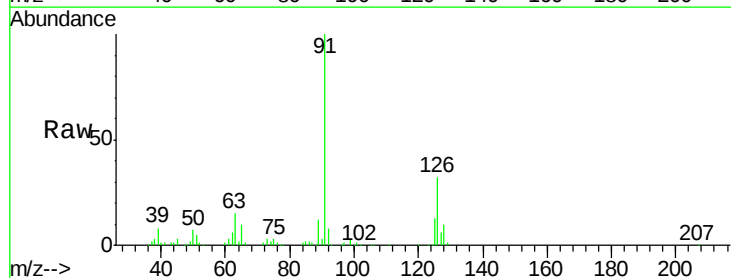
Manual Integrations
APPROVED

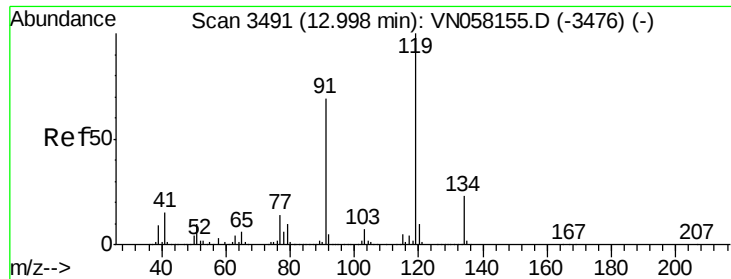
MMDadoda
9/26/2019 1:00:15 PM



#82
4-Chlorotoluene
Concen: 20.682 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1





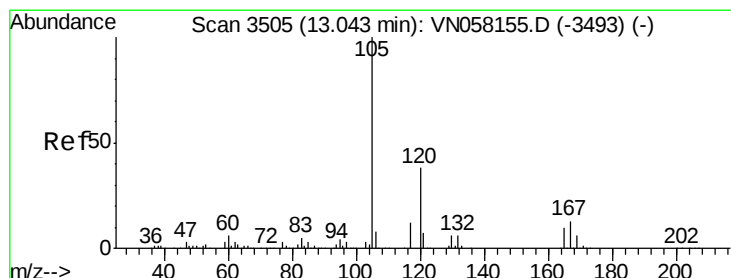
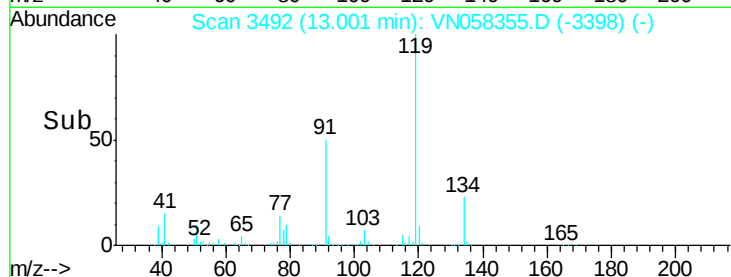
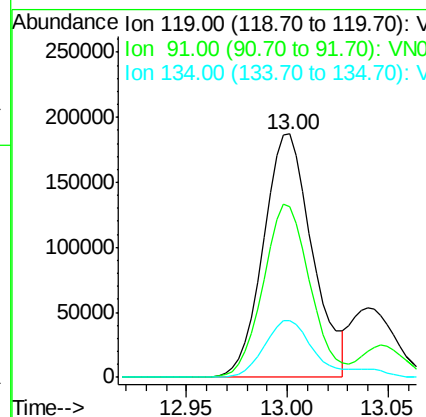
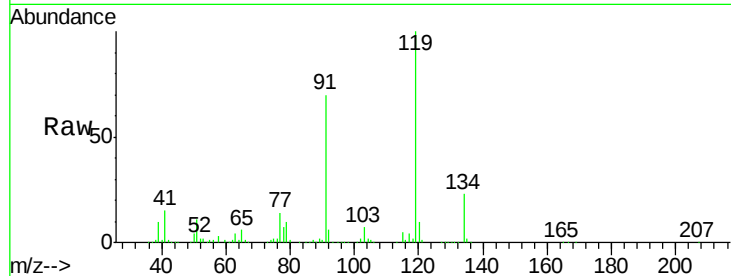
#83
tert-Butylbenzene
Concen: 21.743 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	33.8	101.3
134	23.0	11.6	34.8

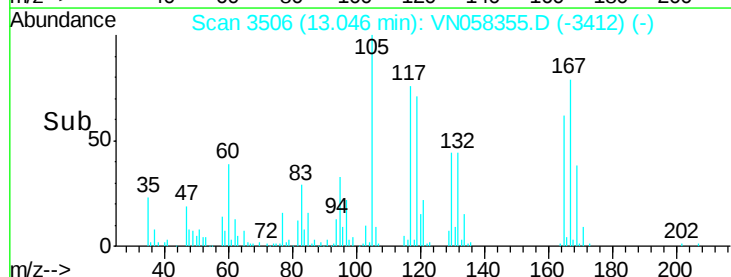
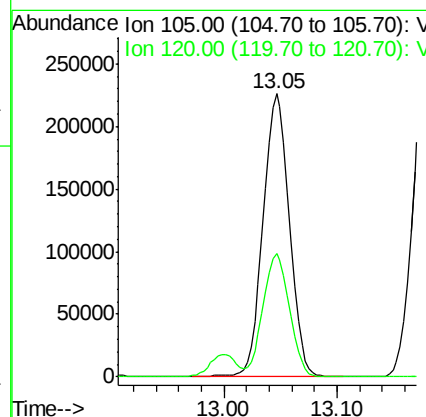
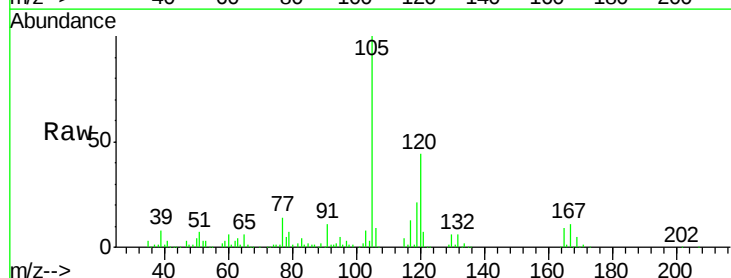
Manual Integrations
APPROVED

MMDadoda
9/26/2019 1:00:15 PM



#84
1,2,4-Trimethylbenzene
Concen: 22.520 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 21.944 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion:105 Resp: 417973

Ion Ratio Lower Upper

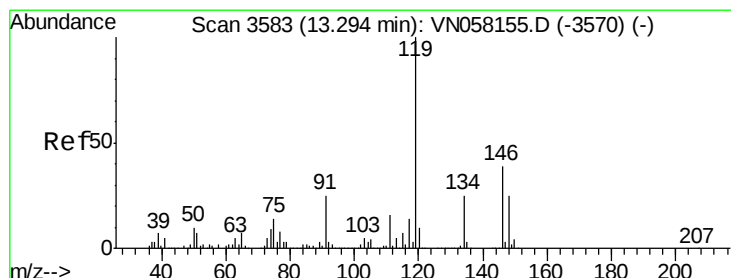
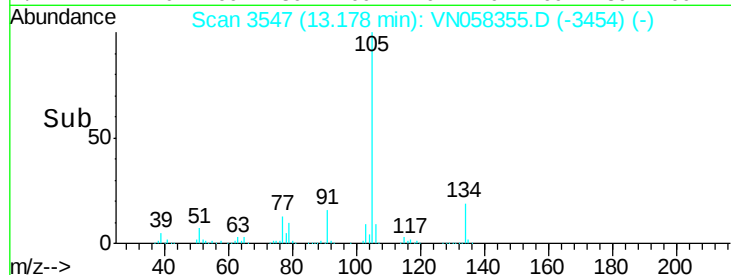
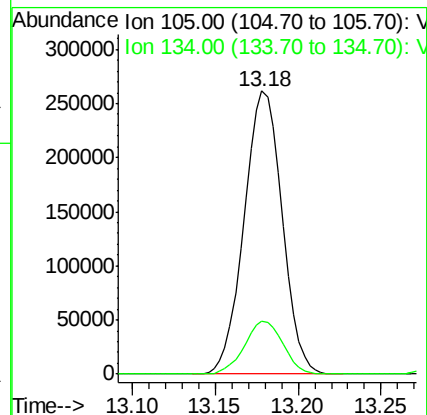
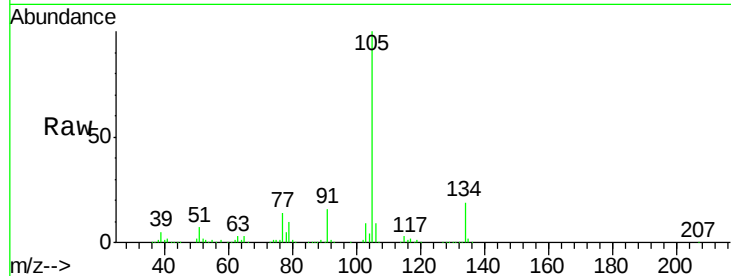
105 100

134 19.0 9.5 28.5

Manual Integrations
APPROVED

MMDadoda

9/26/2019 1:00:15 PM



#86

p-Isopropyltoluene

Concen: 21.823 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

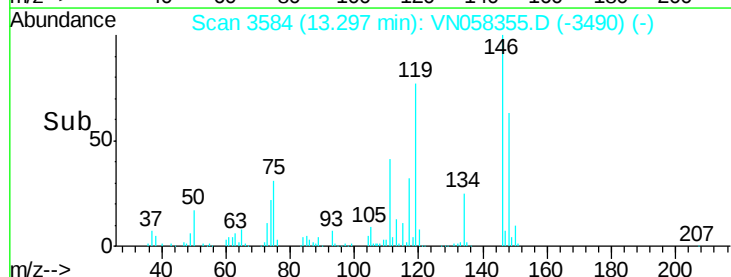
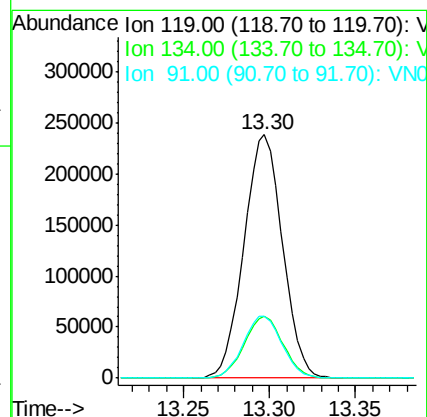
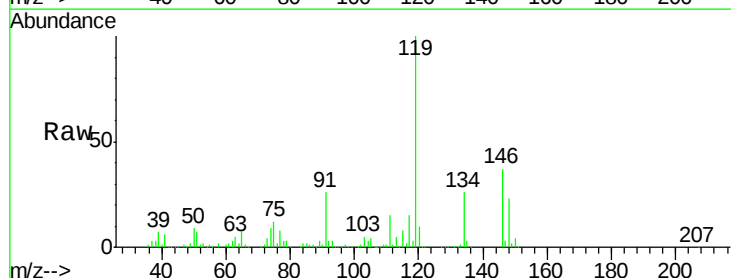
Tgt Ion:119 Resp: 369529

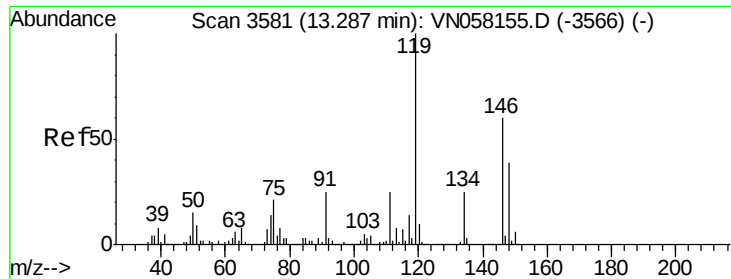
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

91 25.5 12.3 36.8





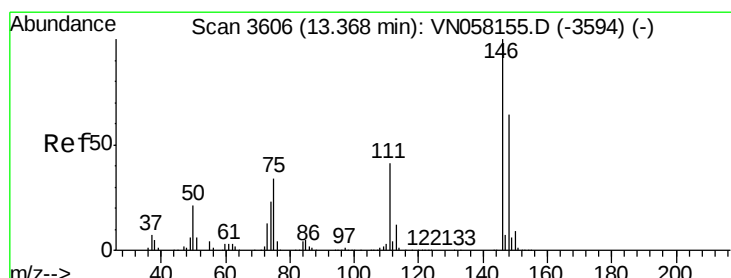
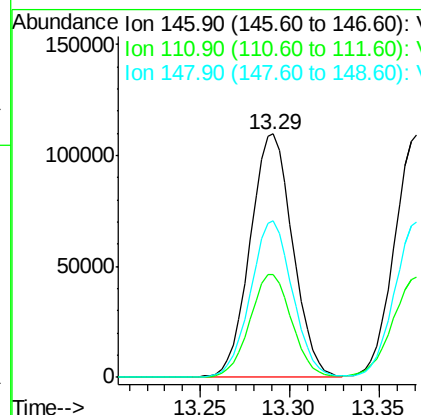
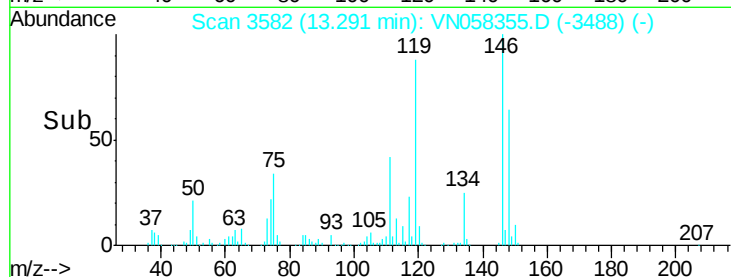
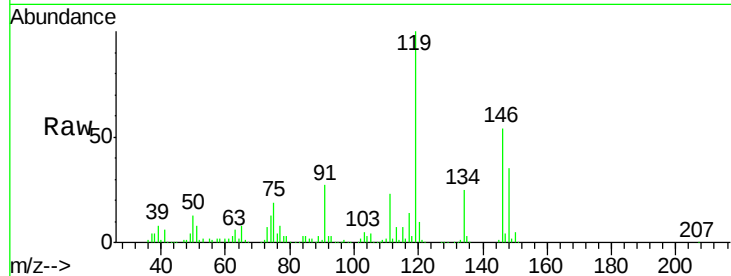
#87
 1,3-Dichlorobenzene
 Concen: 20.619 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	182973		
111	41.6	20.9	62.8	
148	63.5	32.0	96.2	

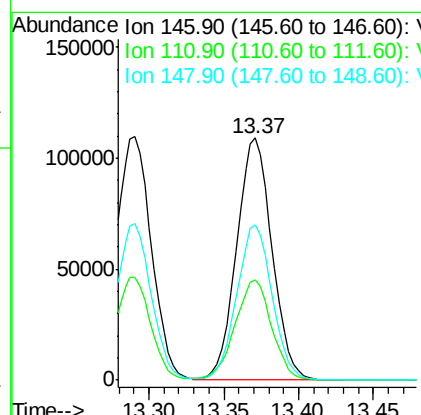
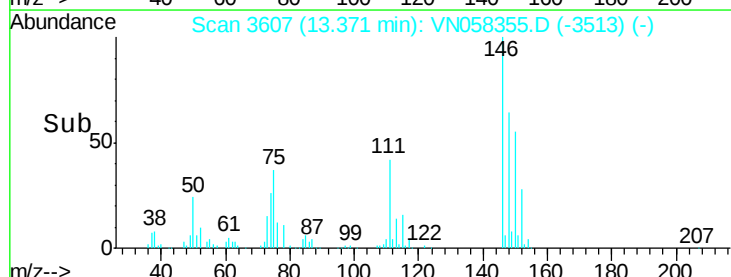
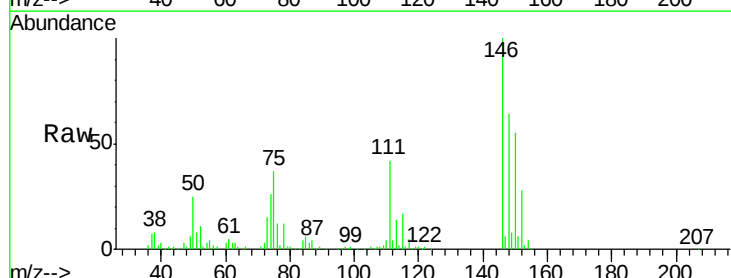
Manual Integrations
 APPROVED

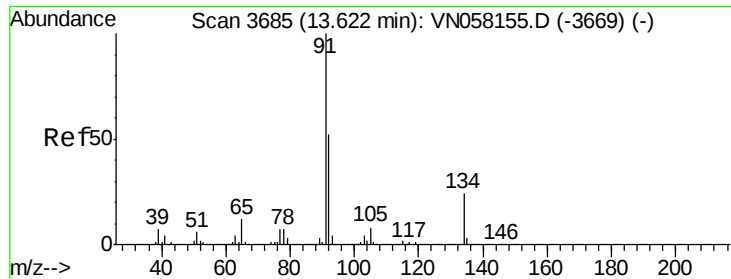
MMDadoda
 9/26/2019 1:00:15 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.777 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	179170		
111	43.5	20.5	61.5	
148	63.9	31.9	95.5	





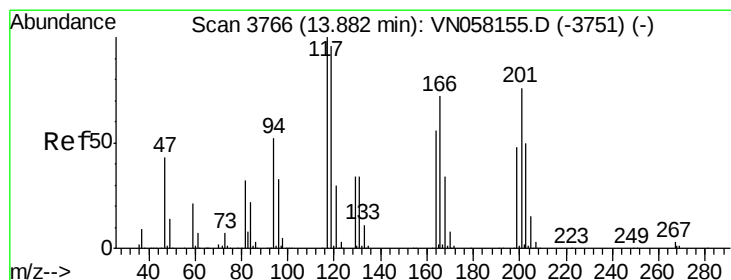
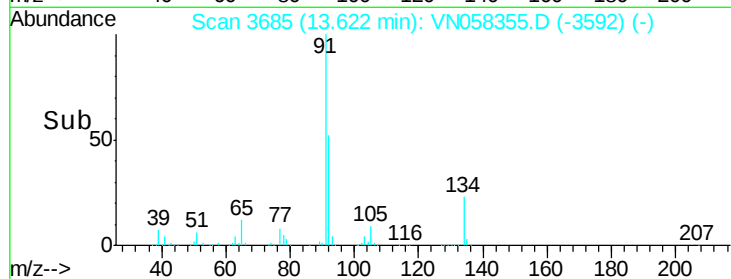
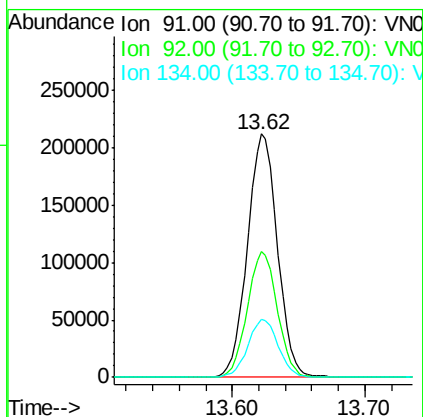
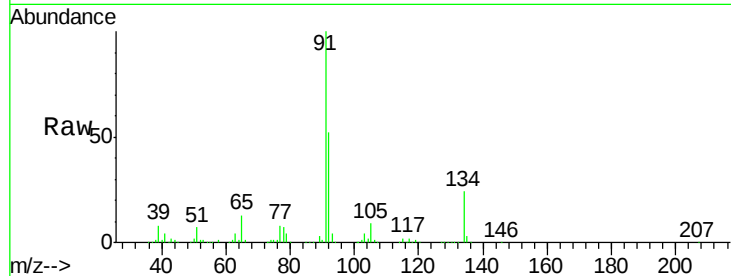
#89
n-Butylbenzene
Concen: 20.710 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.7	77.0
134	24.2	11.8	35.4

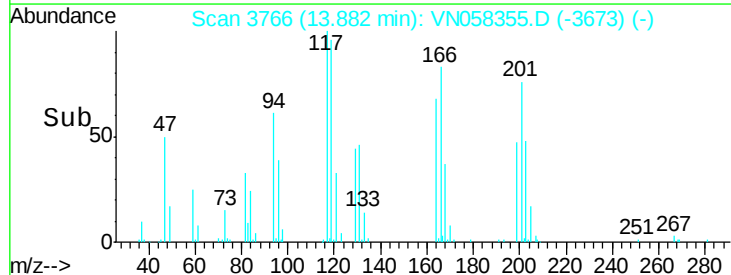
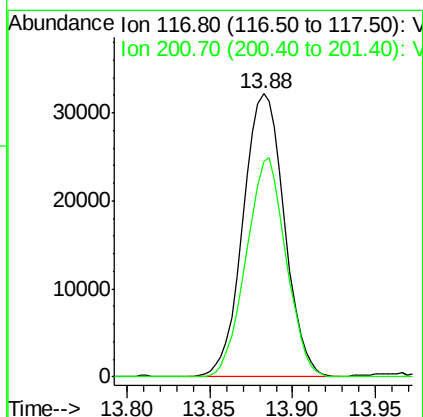
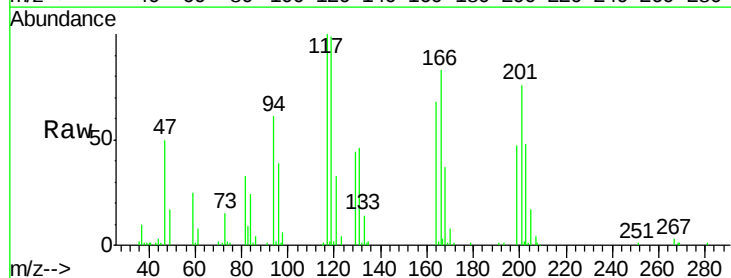
Manual Integrations
APPROVED

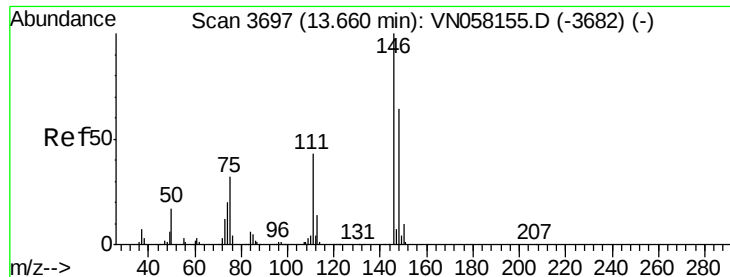
MMDadoda
9/26/2019 1:00:15 PM



#90
Hexachloroethane
Concen: 20.548 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.4	37.5	112.5





#91

1,2-Dichlorobenzene

Concen: 20.759 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

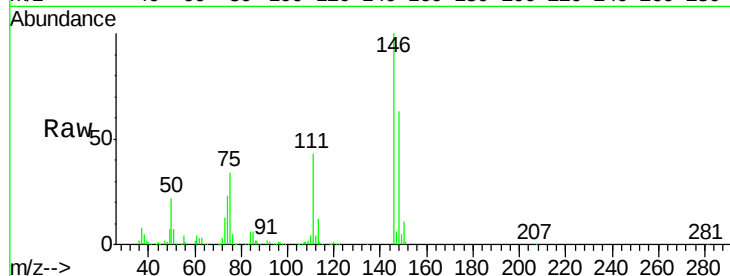
ClientSampled :

VN0925WBS01

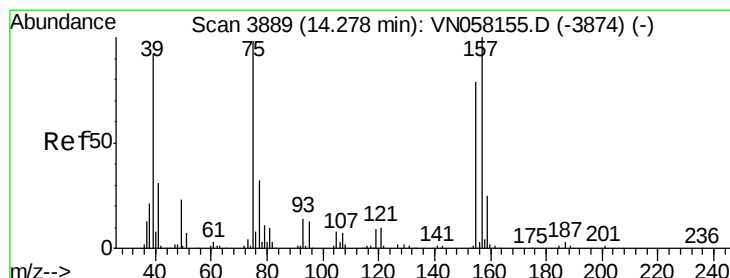
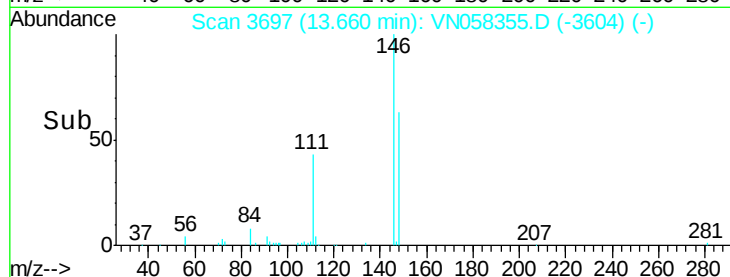
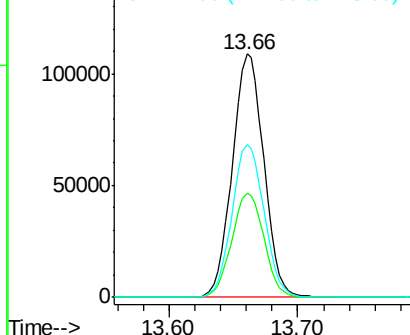
Tot Ion:	146	Resp:	184787
Ion Ratio	Lower	Upper	
146	100		
111	43.5	21.1	63.1
148	63.9	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
9/26/2019 1:00:15 PM



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.594 ug/l

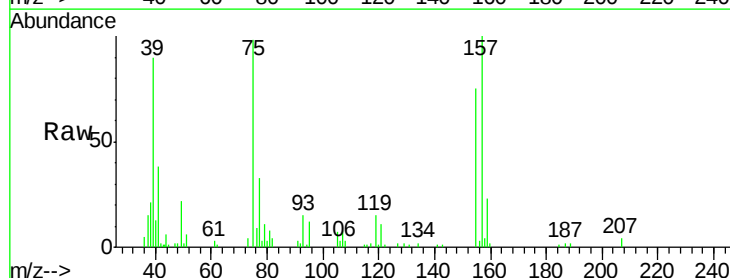
RT: 14.28 min Scan# 3890

Delta R.T. 0.00 min

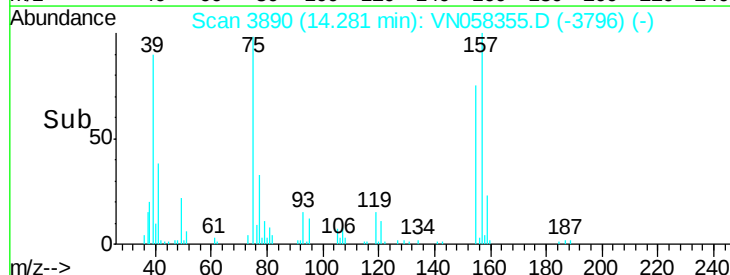
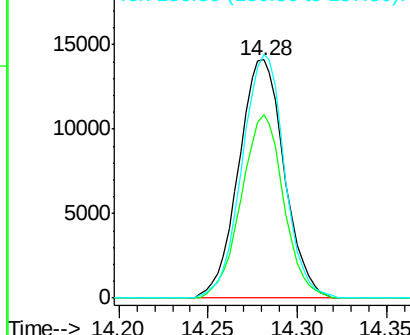
Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Tgt Ion:	75	Resp:	25146
Ion Ratio	Lower	Upper	
75	100		
155	71.7	38.3	114.8
157	95.3	48.0	144.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





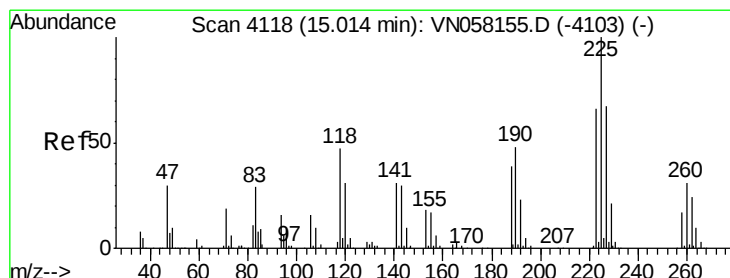
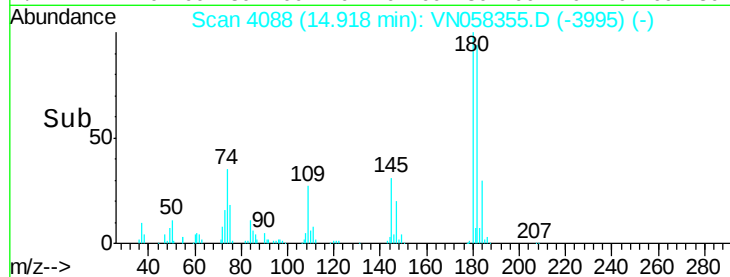
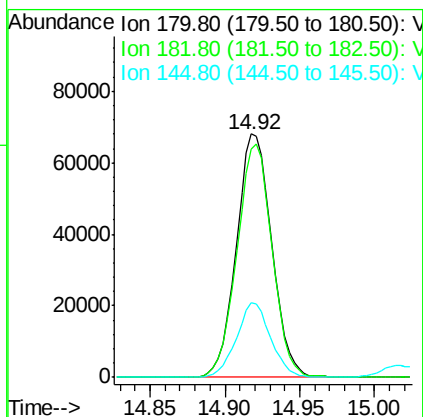
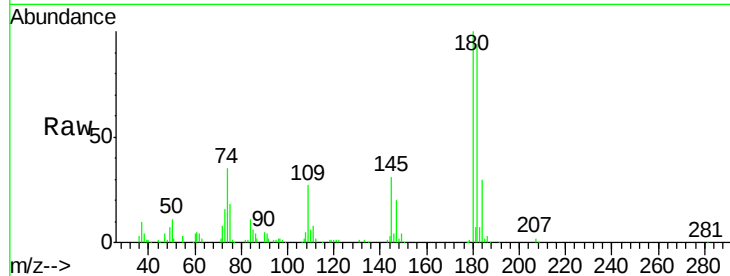
#93
 1,2,4-Trichlorobenzene
 Concen: 19.670 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion:	180	Resp:	111871
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.8	143.3
145	29.8	15.4	46.4

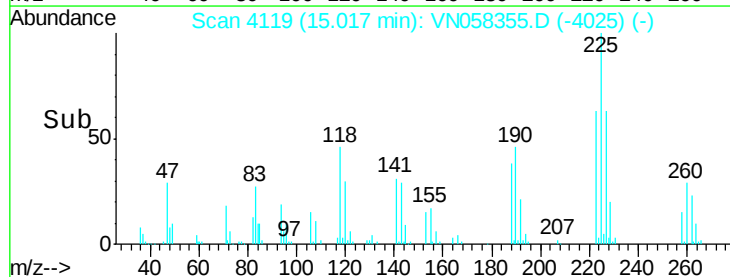
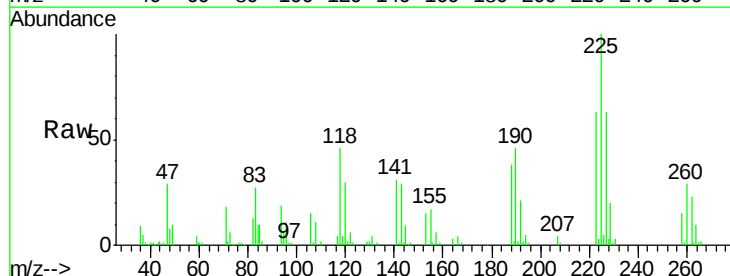
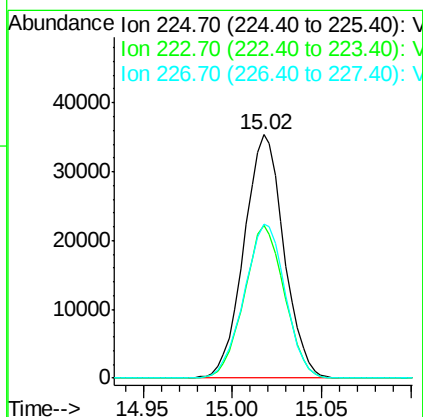
Manual Integrations
 APPROVED

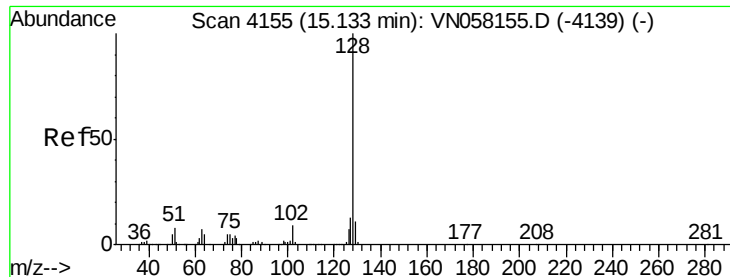
MMDadoda
 9/26/2019 1:00:15 PM



#94
 Hexachlorobutadiene
 Concen: 20.050 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion:	225	Resp:	55116
Ion Ratio	Lower	Upper	
225	100		
223	63.1	32.6	97.7
227	65.2	33.0	99.0





#95

Naphthalene

Concen: 22.429 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

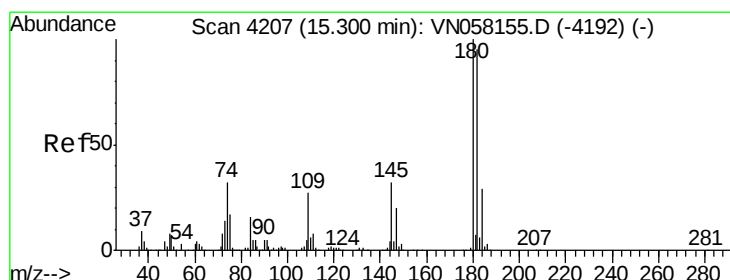
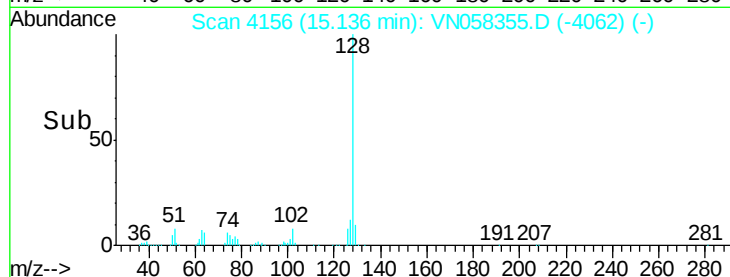
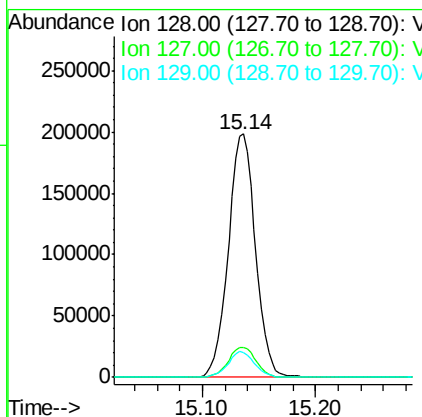
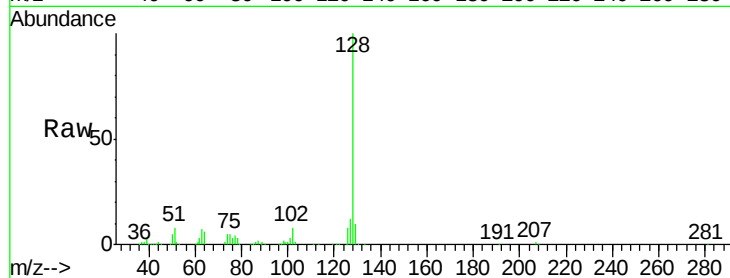
ClientSampleId :

VN0925WBS01

Tot Ion:	128	Resp:	330591
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/26/2019 1:00:15 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.864 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Tgt Ion:	180	Resp:	106781
Ion Ratio	Lower	Upper	
180	100		
182	97.3	47.4	142.2
145	31.5	16.1	48.2

