

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059649.D
 Acq On : 18 Dec 2019 14:53
 Operator : JC/SP
 Sample : VN1218WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 11:11:43 AM

Quant Time: Dec 19 05:00:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	215983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	344349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	314376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143682	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	117195	37.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.58%	
35) Dibromofluoromethane	7.56	113	80410	37.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.64%	
50) Toluene-d8	10.08	98	317742	37.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.50%	
62) 4-Bromofluorobenzene	12.40	95	111070	35.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	35585	12.750	ug/l	99
3) Chloromethane	2.04	50	63465	14.330	ug/l	98
4) Vinyl Chloride	2.17	62	61697	14.690	ug/l	99
5) Bromomethane	2.54	94	36798	15.071	ug/l	96
6) Chloroethane	2.68	64	35981	15.243	ug/l	97
7) Trichlorofluoromethane	3.00	101	70364	15.269	ug/l	99
8) Diethyl Ether	3.39	74	21224	14.741	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	33531	14.439	ug/l	99
10) Methyl Iodide	3.93	142	42572	13.848	ug/l	99
11) Tert butyl alcohol	4.75	59	38173	66.251	ug/l	100
12) 1,1-Dichloroethene	3.71	96	30834	13.611	ug/l	97
13) Acrolein	3.58	56	23160	56.427	ug/l	96
14) Allyl chloride	4.29	41	64627	13.897	ug/l	96
15) Acrylonitrile	4.95	53	100295	71.962	ug/l	99
16) Acetone	3.79	43	120711	64.691	ug/l	98
17) Carbon Disulfide	4.02	76	102143	13.911	ug/l	99
18) Methyl Acetate	4.29	43	53843	13.771	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	111142	13.895	ug/l	97
20) Methylene Chloride	4.52	84	40883	15.171	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	35422	14.026	ug/l	95
22) Diisopropyl ether	5.91	45	127086	14.823	ug/l	90
23) Vinyl Acetate	5.86	43	522907	77.718	ug/l	99
24) 1,1-Dichloroethane	5.81	63	72956	15.022	ug/l	99
25) 2-Butanone	6.80	43	148538	66.570	ug/l	98
26) 2,2-Dichloropropane	6.80	77	64483	14.609	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	40550	14.490	ug/l	97
28) Bromochloromethane	7.17	49	25830	13.008	ug/l	97
29) Tetrahydrofuran	7.18	42	94194	69.285	ug/l	97
30) Chloroform	7.35	83	70256	14.696	ug/l	98
31) Cyclohexane	7.63	56	65598	14.295	ug/l	# 93
32) 1,1,1-Trichloroethane	7.54	97	61567	14.285	ug/l	99
36) 1,1-Dichloropropene	7.77	75	52954	14.746	ug/l	97
37) Ethyl Acetate	6.90	43	58658	14.054	ug/l	99
38) Carbon Tetrachloride	7.75	117	52052	13.969	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059649.D
 Acq On : 18 Dec 2019 14:53
 Operator : JC/SP
 Sample : VN1218WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1218WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 11:11:43 AM

Quant Time: Dec 19 05:00:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	57894	14.213	ug/l	98
40) Benzene	8.02	78	154793	14.750	ug/l	97
41) Methacrylonitrile	7.14	41	18427m	10.698	ug/l	
42) 1,2-Dichloroethane	8.10	62	61495	15.301	ug/l	100
43) Isopropyl Acetate	8.14	43	90831	13.998	ug/l	100
44) Trichloroethene	8.82	130	39970	14.541	ug/l	99
45) 1,2-Dichloropropane	9.10	63	41917	14.791	ug/l	98
46) Dibromomethane	9.19	93	26904	14.491	ug/l	99
47) Bromodichloromethane	9.39	83	54797	14.803	ug/l	100
48) Methyl methacrylate	9.18	41	39141	13.295	ug/l	99
49) 1,4-Dioxane	9.18	88	11975	283.831	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	279352	72.204	ug/l	99
52) Toluene	10.14	92	91057	14.121	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	60765	14.194	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	64708	14.379	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	38415	15.182	ug/l	97
56) Ethyl methacrylate	10.42	69	51080	13.598	ug/l	99
57) 1,3-Dichloropropane	10.70	76	65045	14.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	59950	50.182	ug/l	98
59) 2-Hexanone	10.74	43	206188	67.619	ug/l	100
60) Dibromochloromethane	10.89	129	39145	14.175	ug/l	97
61) 1,2-Dibromoethane	11.00	107	37809	14.090	ug/l	100
64) Tetrachloroethene	10.62	164	38550	13.154	ug/l	97
65) Chlorobenzene	11.43	112	99252	14.591	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	36947	14.300	ug/l	98
67) Ethyl Benzene	11.50	91	174653	14.224	ug/l	100
68) m/p-Xylenes	11.62	106	128418	28.323	ug/l	100
69) o-Xylene	11.94	106	61742	14.311	ug/l	97
70) Styrene	11.96	104	94350	13.612	ug/l	99
71) Bromoform	12.12	173	26950	13.876	ug/l #	98
73) Isopropylbenzene	12.25	105	161086	14.282	ug/l	100
74) N-amyl acetate	12.07	43	68716	13.282	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	53319	14.902	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	53390m	15.010	ug/l	
77) Bromobenzene	12.52	156	39063	14.083	ug/l	98
78) n-propylbenzene	12.59	91	192331	14.425	ug/l	99
79) 2-Chlorotoluene	12.67	91	114292	14.176	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	137279	14.382	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19031	13.215	ug/l	94
82) 4-Chlorotoluene	12.77	91	116844	14.155	ug/l	100
83) tert-Butylbenzene	12.99	119	115123	14.242	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	136866	14.421	ug/l	99
85) sec-Butylbenzene	13.17	105	154532	14.372	ug/l	99
86) p-Isopropyltoluene	13.28	119	140177	14.394	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	70831	13.887	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	70571	13.723	ug/l	99
89) n-Butylbenzene	13.61	91	125151	13.707	ug/l	99
90) Hexachloroethane	13.87	117	27003	14.669	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	69215	13.760	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12871	14.032	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
Data File : VN059649.D
Acq On : 18 Dec 2019 14:53
Operator : JC/SP
Sample : VN1218WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

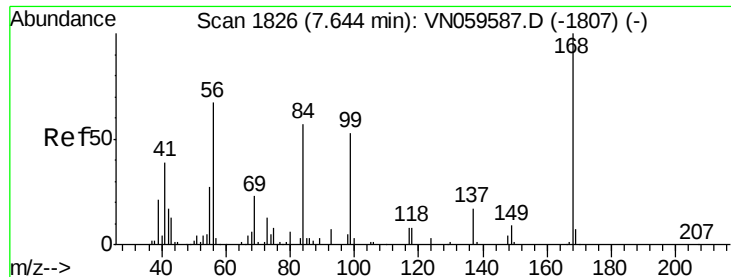
Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:11:43 AM

Quant Time: Dec 19 05:00:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	40295	12.405	ug/l	97
94) Hexachlorobutadiene	15.00	225	24583	15.062	ug/l	98
95) Naphthalene	15.12	128	115339	11.895	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	40968	12.470	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBS01

Tot Ion:168 Resp: 215983

Ion Ratio Lower Upper

168 100

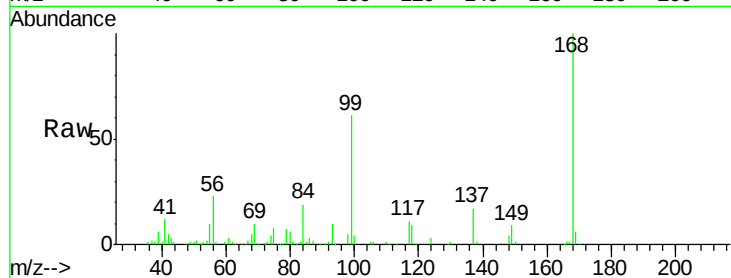
99 61.5 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

12/19/2019 11:11:43 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

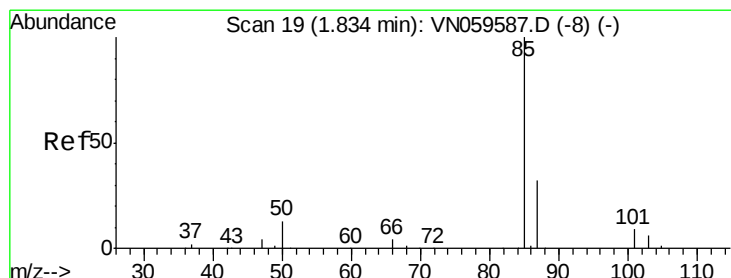
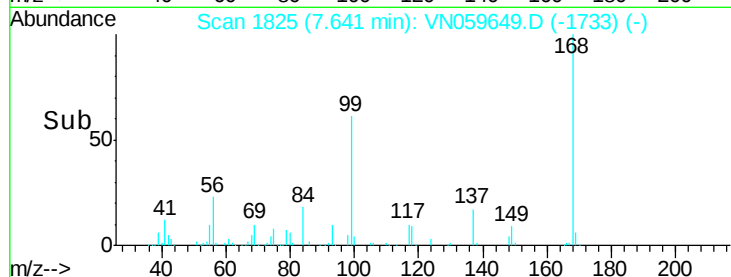
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 12.750 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059649.D

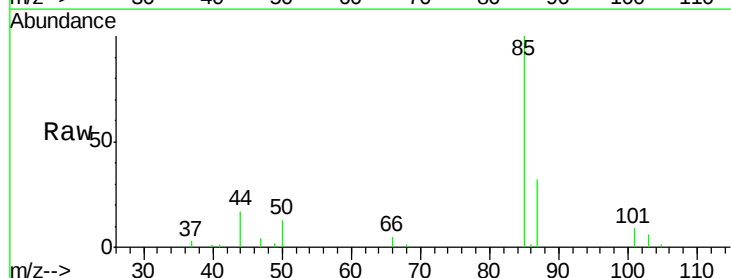
Acq: 18 Dec 2019 14:53

Tgt Ion: 85 Resp: 35585

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

15000

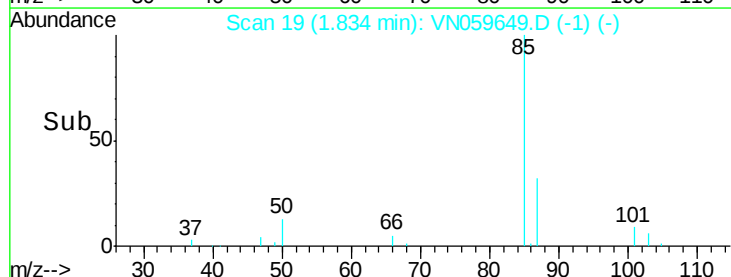
10000

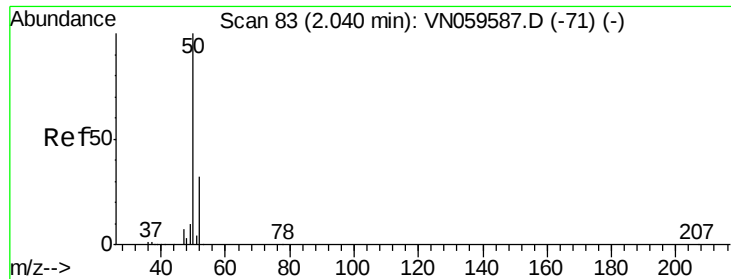
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 14.330 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBS01

Tot Ion: 50 Resp: 63465

Ion Ratio Lower Upper

50 100

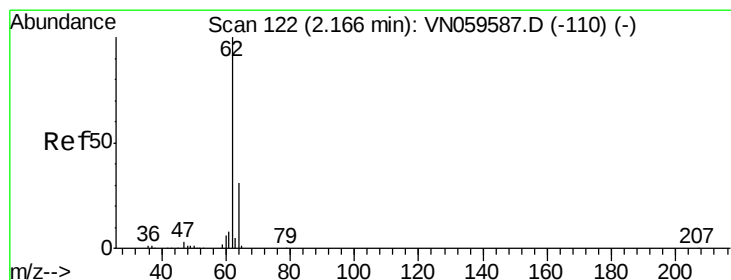
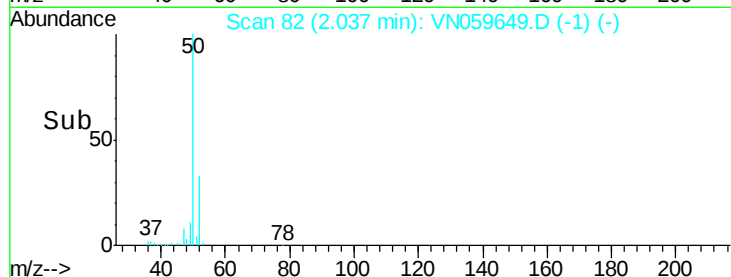
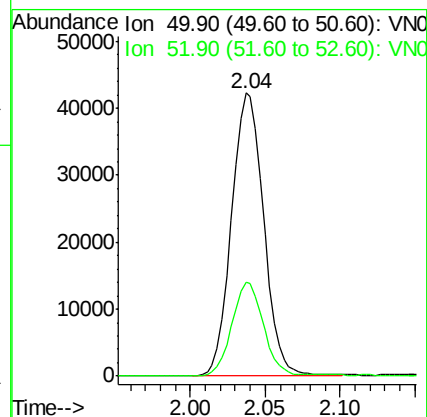
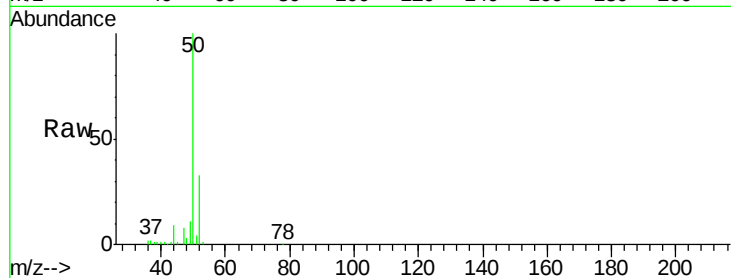
52 33.3 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

12/19/2019 11:11:43 AM



#4

Vinyl Chloride

Concen: 14.690 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059649.D

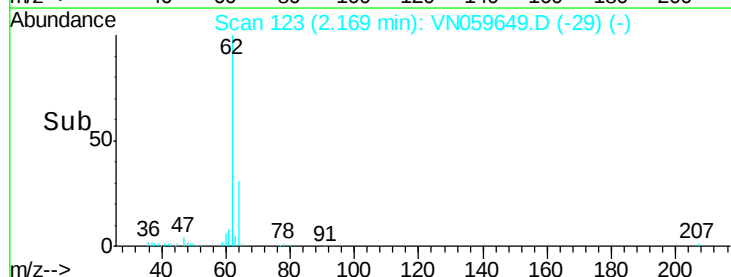
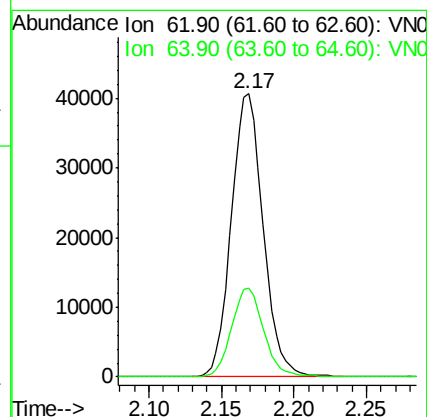
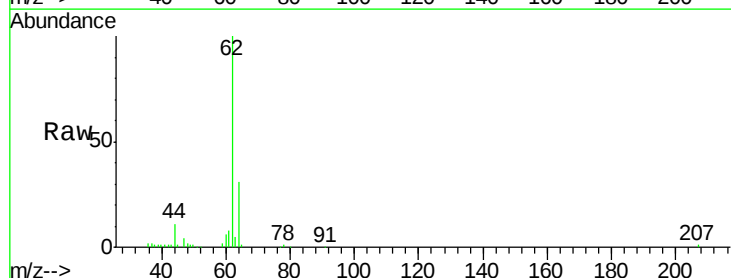
Acq: 18 Dec 2019 14:53

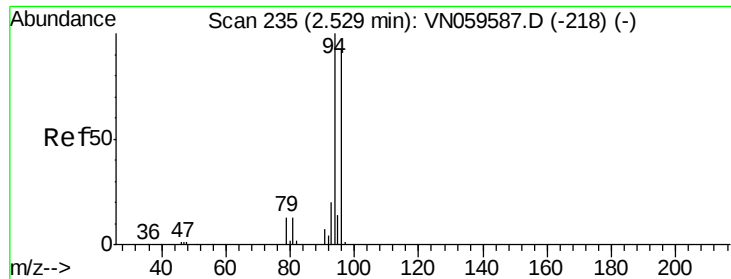
Tgt Ion: 62 Resp: 61697

Ion Ratio Lower Upper

62 100

64 31.5 24.6 37.0





#5

Bromomethane

Concen: 15.071 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBS01

Tot Ion: 94 Resp: 36798

Ion Ratio Lower Upper

94 100

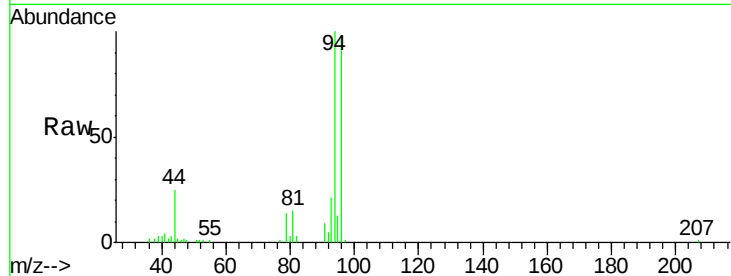
96 97.2 74.7 112.1

Manual Integrations

APPROVED

MMDadoda

12/19/2019 11:11:43 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

20000

15000

10000

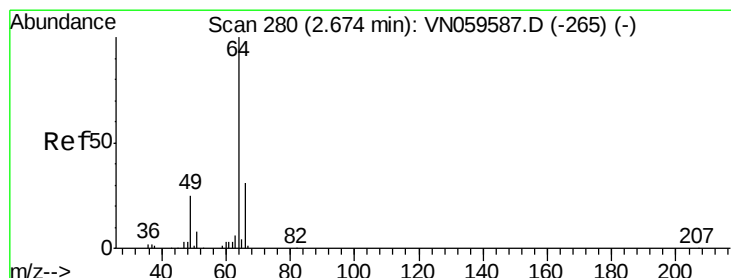
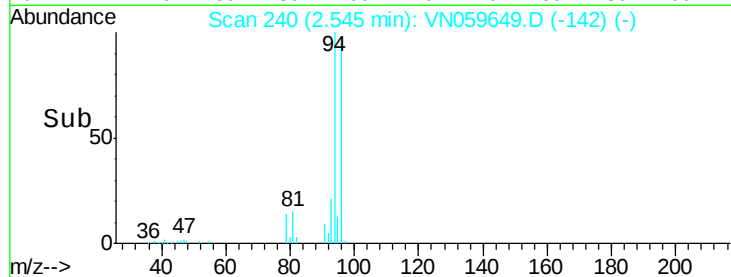
5000

0

Time-->

2.45 2.50 2.55 2.60 2.65

2.54



#6

Chloroethane

Concen: 15.243 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059649.D

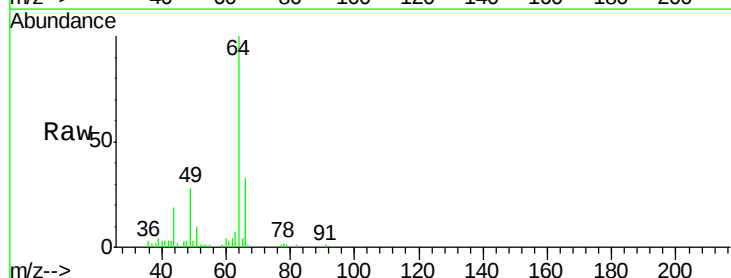
Acq: 18 Dec 2019 14:53

Tgt Ion: 64 Resp: 35981

Ion Ratio Lower Upper

64 100

66 33.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

10000

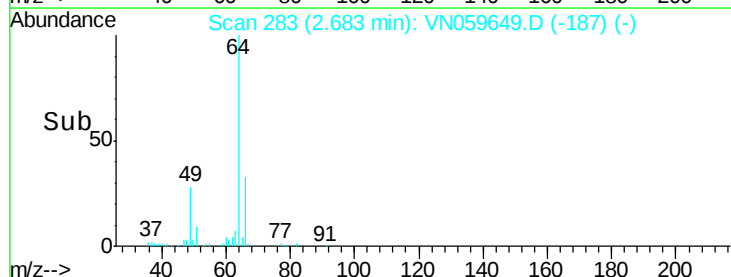
5000

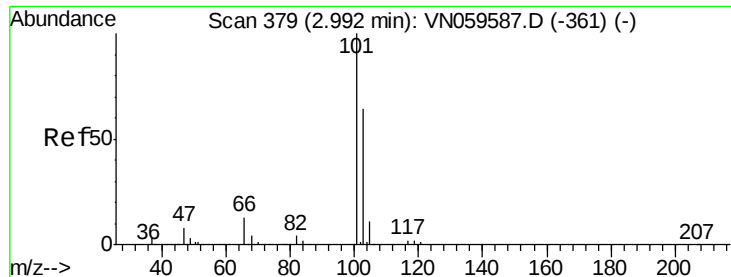
0

Time-->

2.60 2.65 2.70 2.75 2.80

2.68





#7

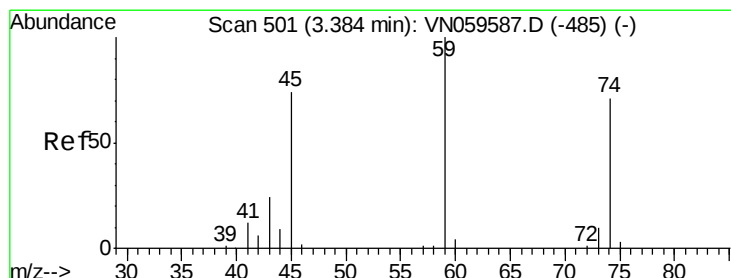
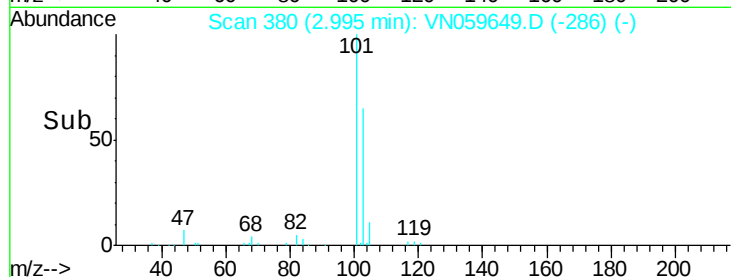
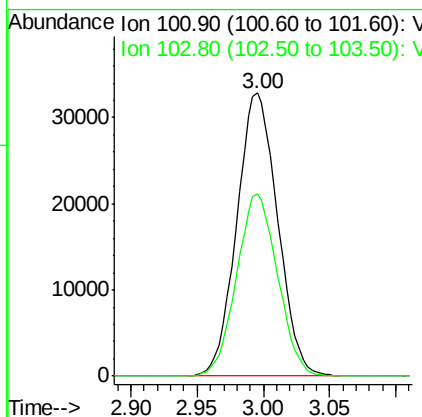
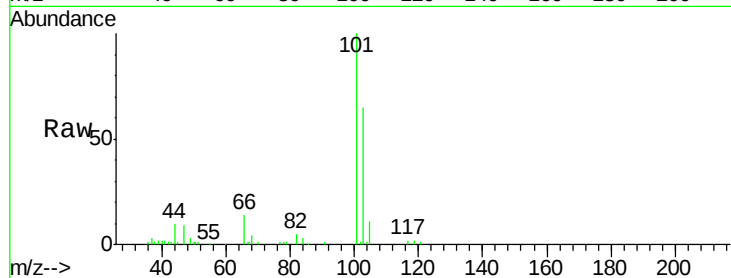
Trichlorofluoromethane
Concen: 15.269 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.0	76.6

Manual Integrations
APPROVED

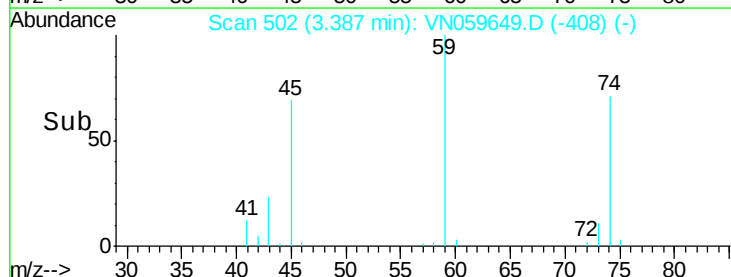
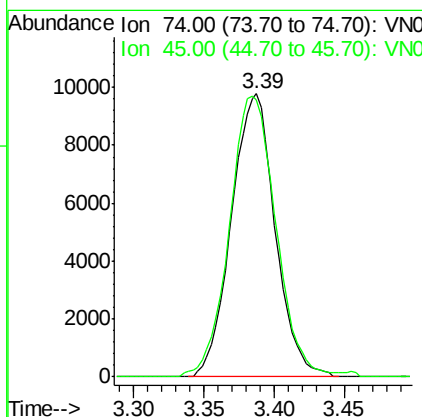
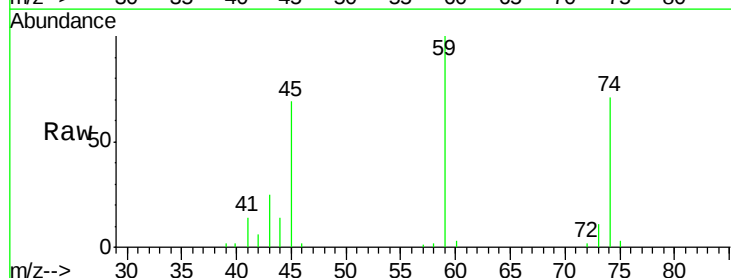
MMDadoda
12/19/2019 11:11:43 AM

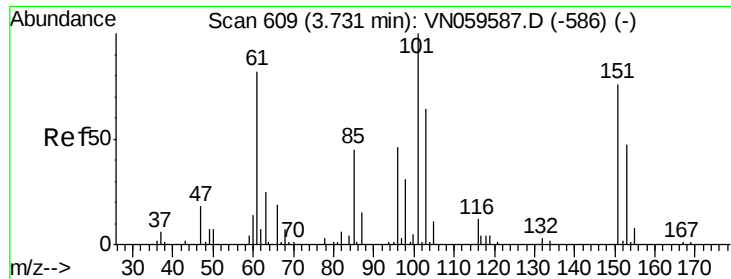


#8

Diethyl Ether
Concen: 14.741 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.5	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.439 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

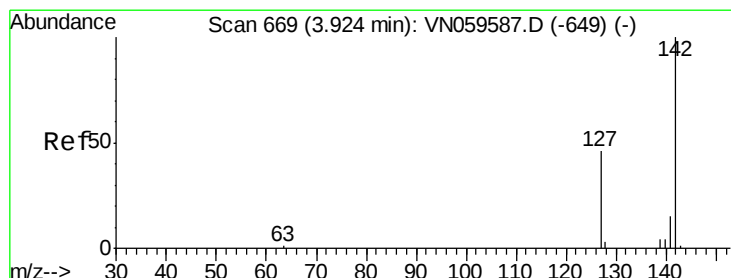
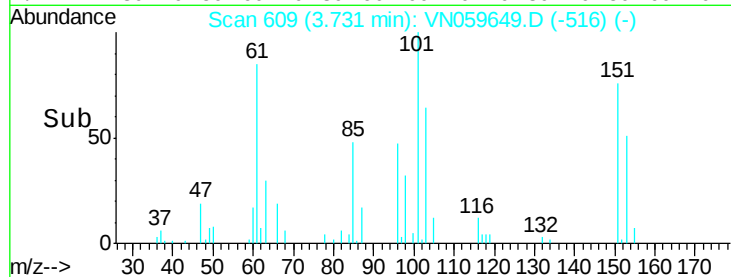
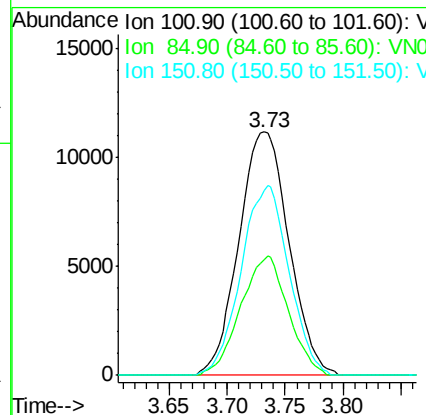
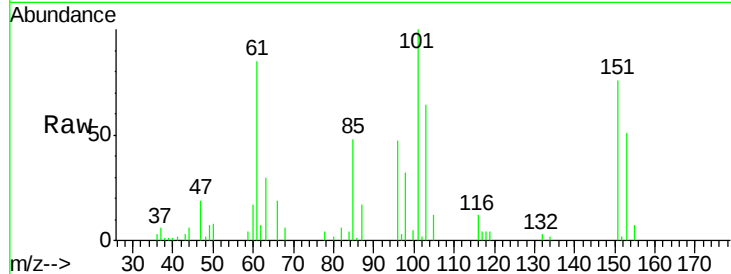
ClientSampleId :

VN1218WBS01

Tot Ion:	101	Resp:	33531
Ion Ratio	Lower	Upper	
101	100		
85	46.6	36.6	54.8
151	74.5	59.7	89.5

Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:11:43 AM



#10

Methyl Iodide

Concen: 13.848 ug/l

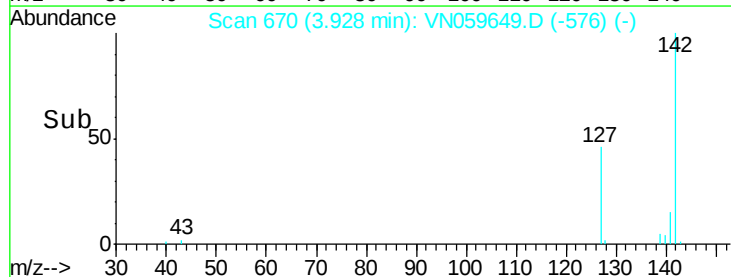
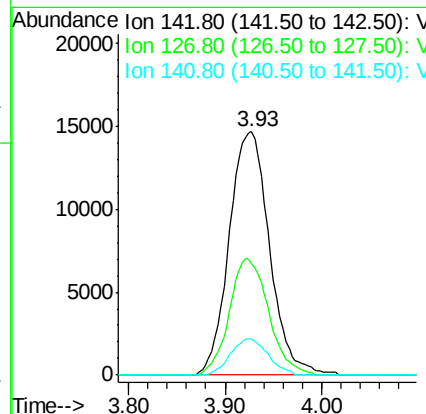
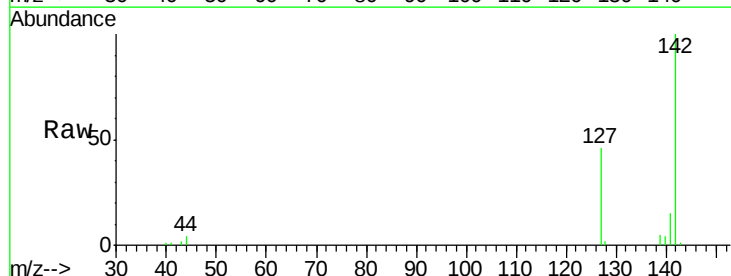
RT: 3.93 min Scan# 670

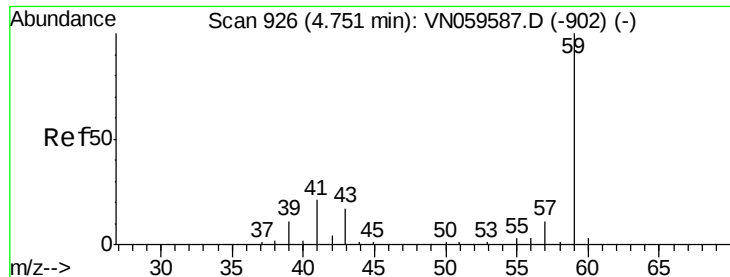
Delta R.T. 0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Tgt Ion:	142	Resp:	42572
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.7	55.1
141	13.8	11.7	17.5





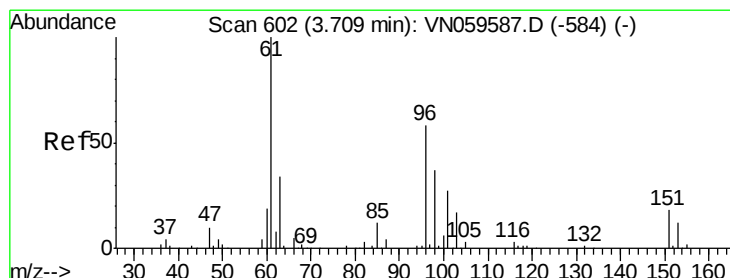
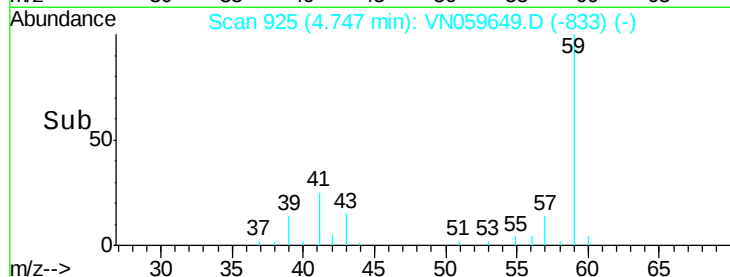
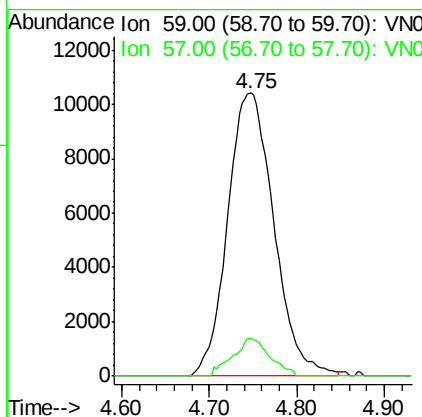
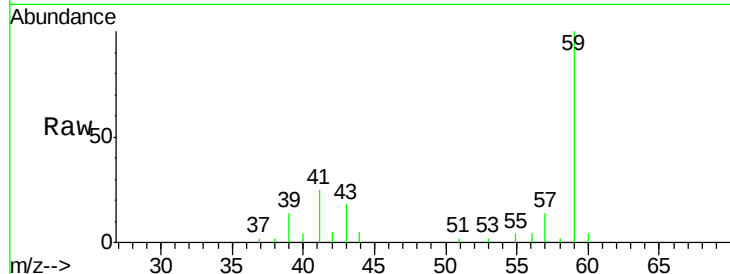
#11
Tert butyl alcohol
Concen: 66.251 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

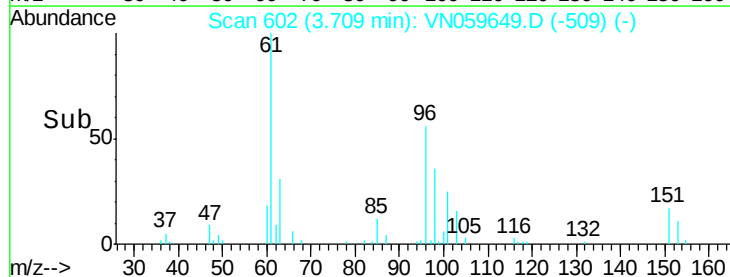
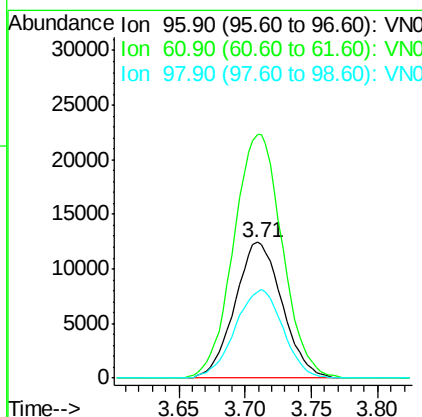
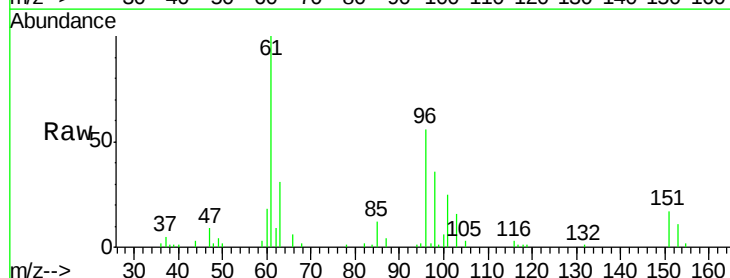
Manual Integrations
APPROVED

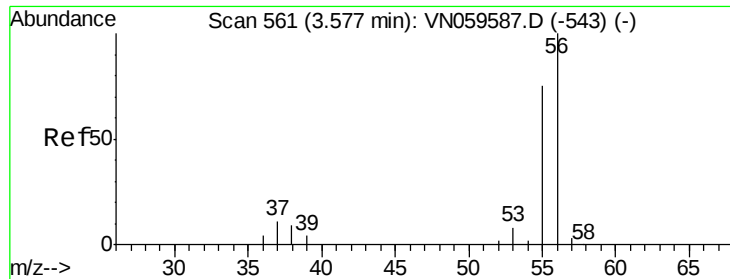
MMDadoda
12/19/2019 11:11:43 AM



#12
1,1-Dichloroethene
Concen: 13.611 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.7	137.5	206.3
98	63.9	50.2	75.4





#13

Acrolein

Concen: 56.427 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBS01

Tot Ion: 56 Resp: 23160

Ion Ratio Lower Upper

56 100

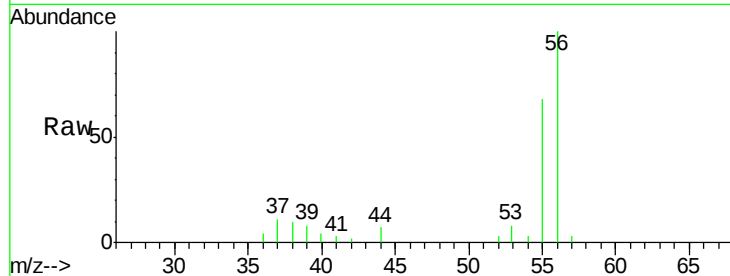
55 70.2 58.6 88.0

Manual Integrations

APPROVED

MMDadoda

12/19/2019 11:11:43 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

10000

8000

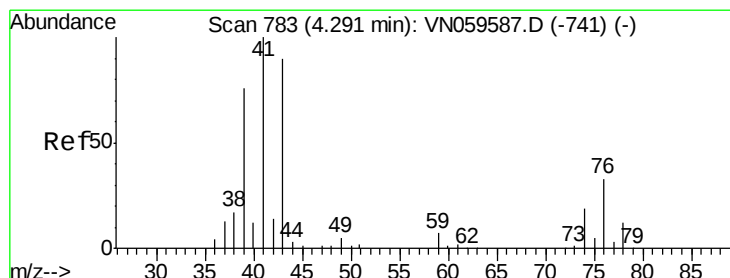
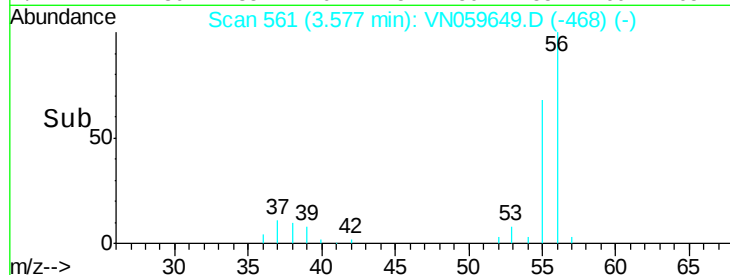
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 13.897 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

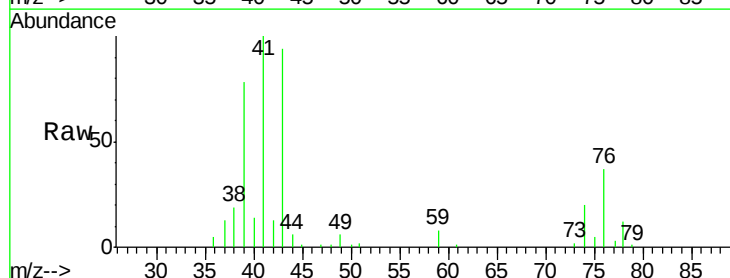
Tgt Ion: 41 Resp: 64627

Ion Ratio Lower Upper

41 100

39 68.1 57.8 86.8

76 30.9 25.4 38.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.29

25000

20000

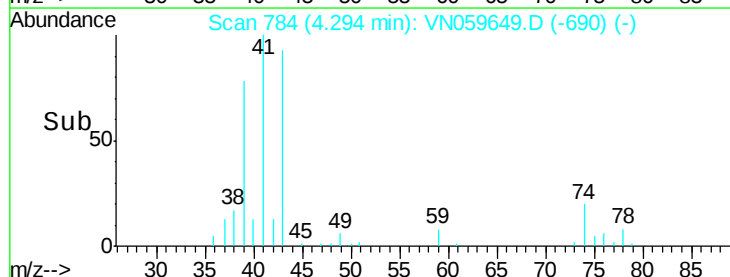
15000

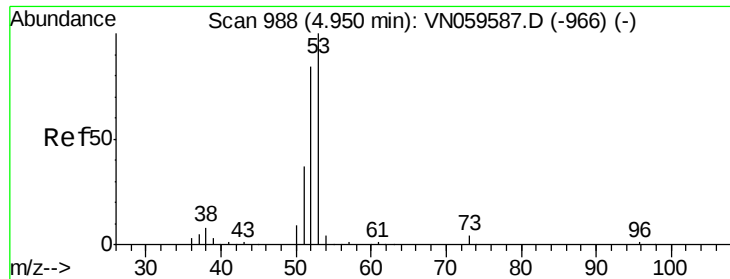
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 71.962 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

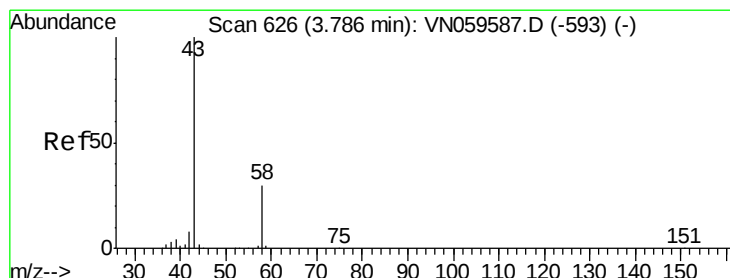
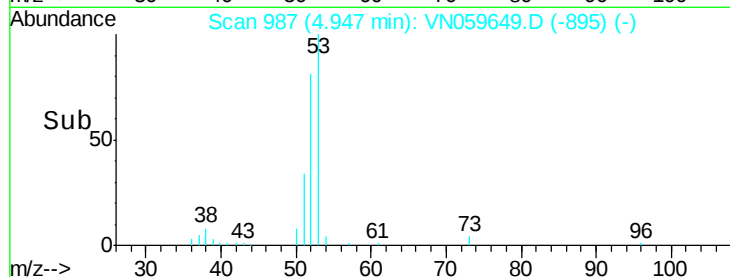
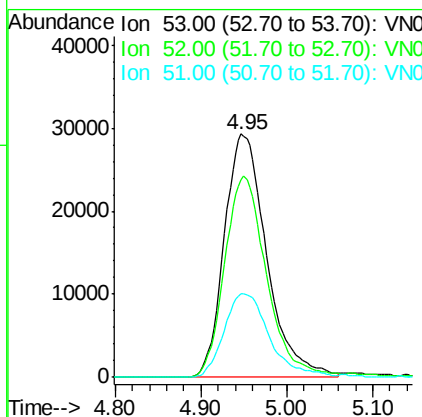
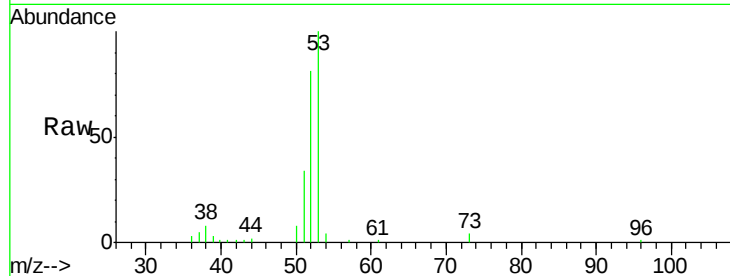
ClientSampleId :

VN1218WBS01

Tot Ion:	53	Resp:	100295
Ion Ratio		Lower	Upper
53	100		
52	81.9	66.3	99.5
51	36.8	29.7	44.5

Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:11:43 AM



#16

Acetone

Concen: 64.691 ug/l

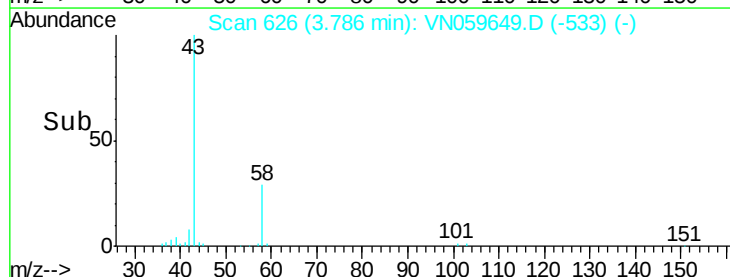
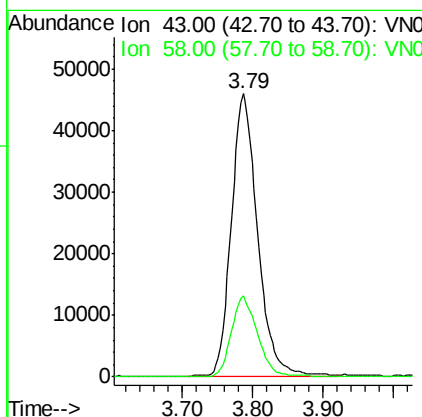
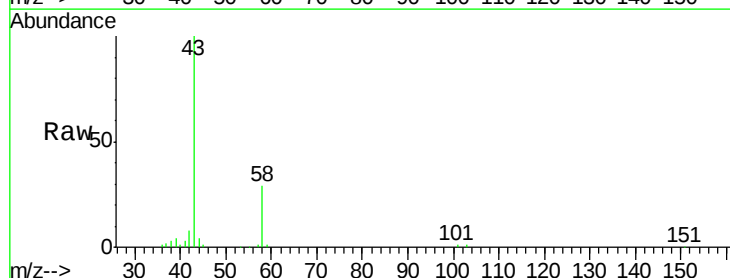
RT: 3.79 min Scan# 626

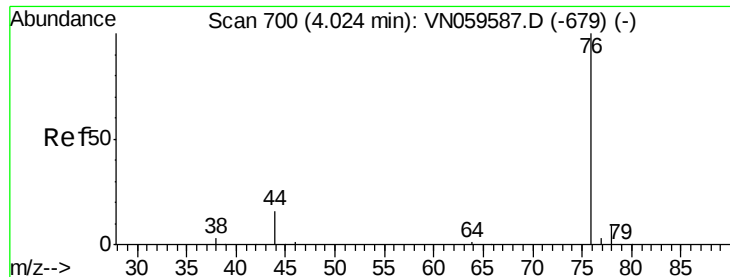
Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Tgt Ion:	43	Resp:	120711
Ion Ratio		Lower	Upper
43	100		
58	28.6	23.6	35.4





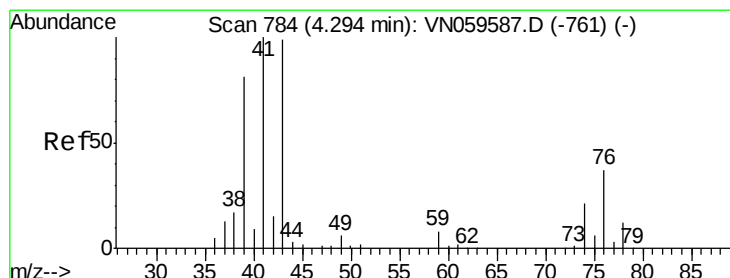
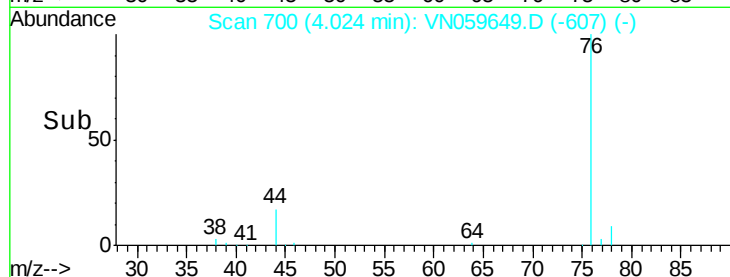
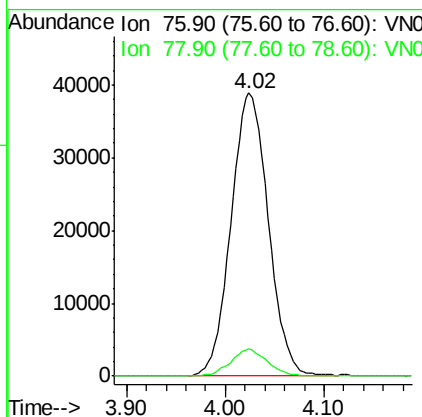
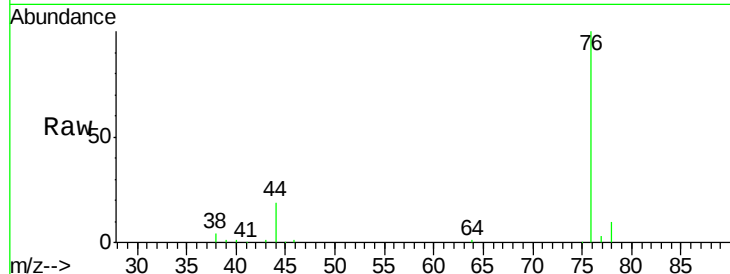
#17
Carbon Disulfide
Concen: 13.911 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion: 76 Resp: 102143
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0

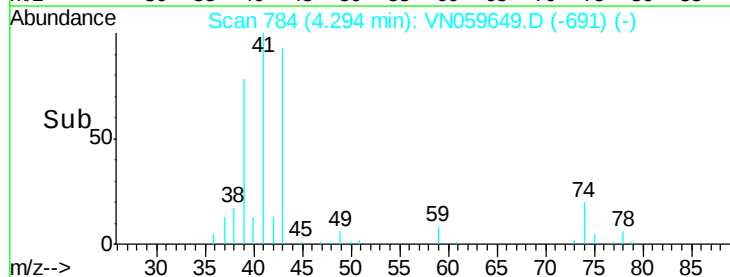
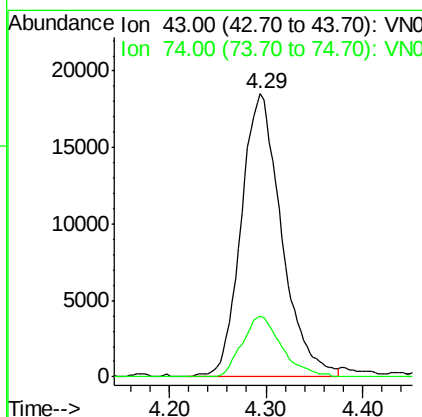
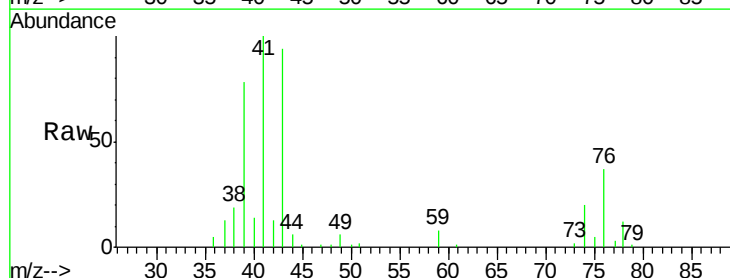
Manual Integrations
APPROVED

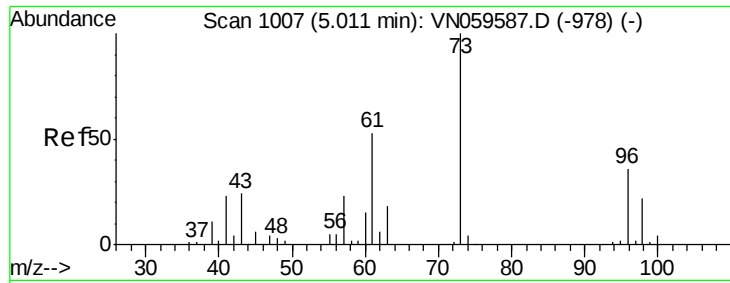
MMDadoda
12/19/2019 11:11:43 AM



#18
Methyl Acetate
Concen: 13.771 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion: 43 Resp: 53843
Ion Ratio Lower Upper
43 100
74 20.9 17.5 26.3





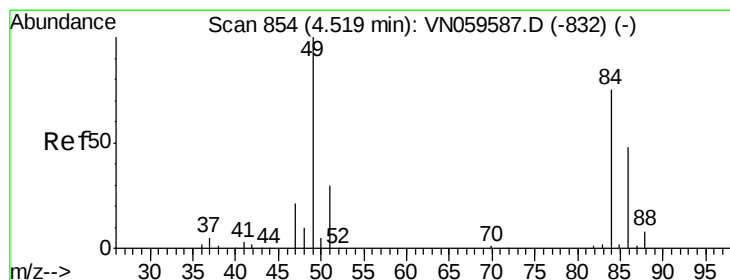
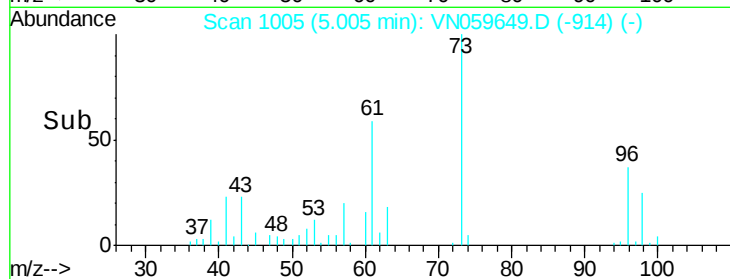
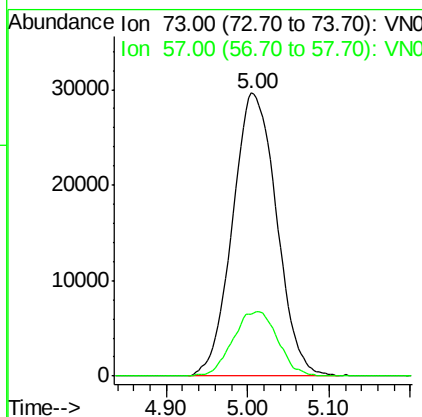
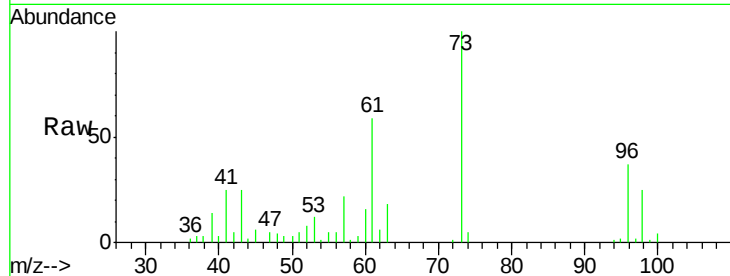
#19
Methvl tert-butvl Ether
Concen: 13.895 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion: 73 Resp: 111142
Ion Ratio Lower Upper
73 100
57 21.8 18.6 27.8

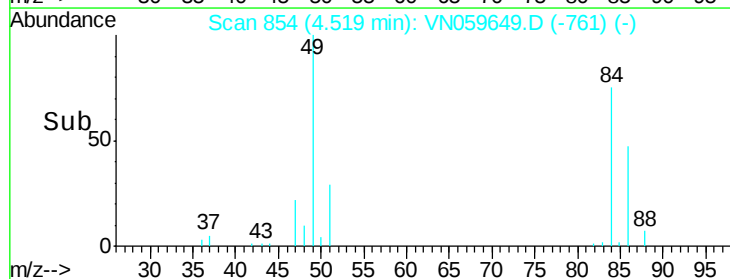
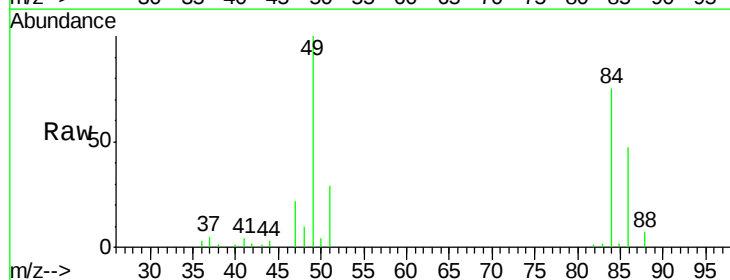
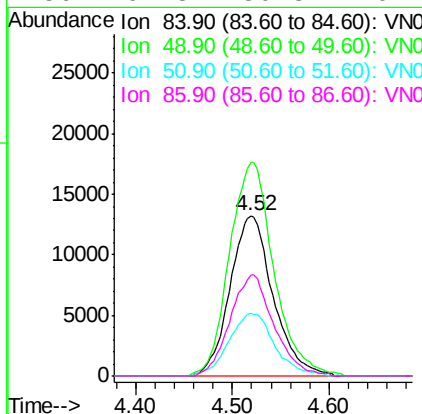
Manual Integrations
APPROVED

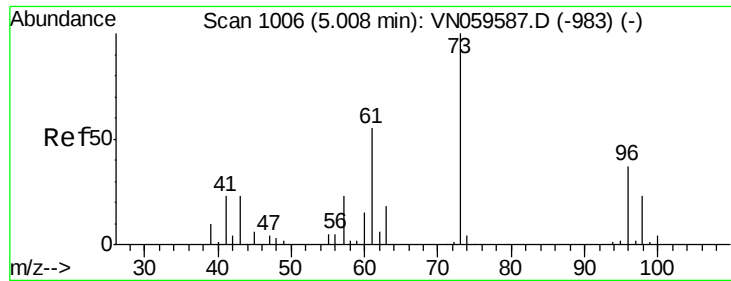
MMDadoda
12/19/2019 11:11:43 AM



#20
Methylene Chloride
Concen: 15.171 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion: 84 Resp: 40883
Ion Ratio Lower Upper
84 100
49 133.3 106.6 160.0
51 38.8 31.9 47.9
86 62.8 50.8 76.2





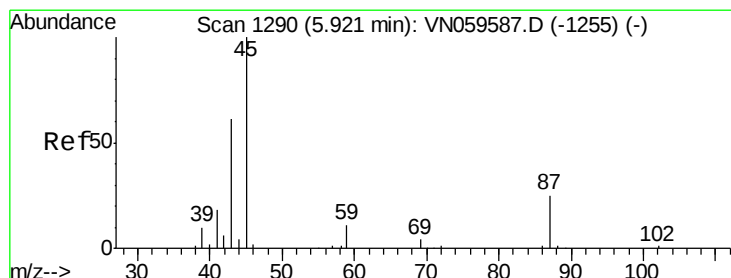
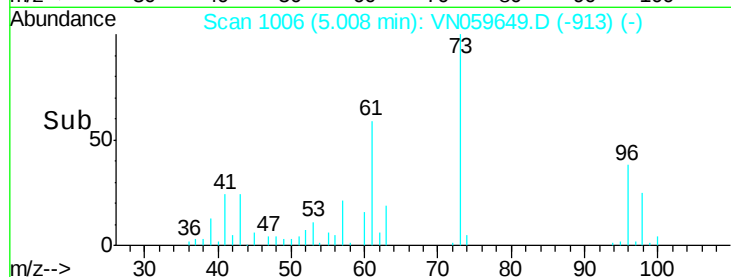
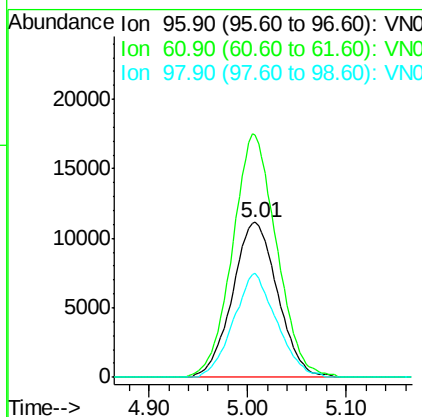
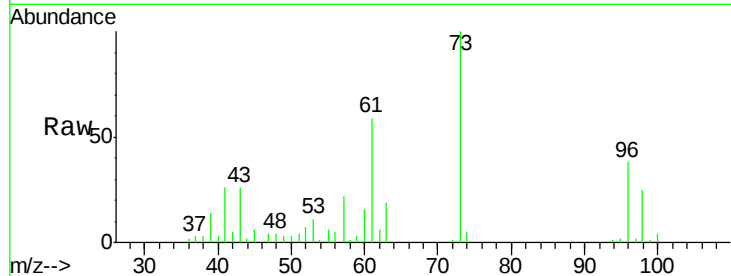
#21
trans-1,2-Dichloroethene
Concen: 14.026 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.5	120.4	180.6
98	66.8	50.6	75.8

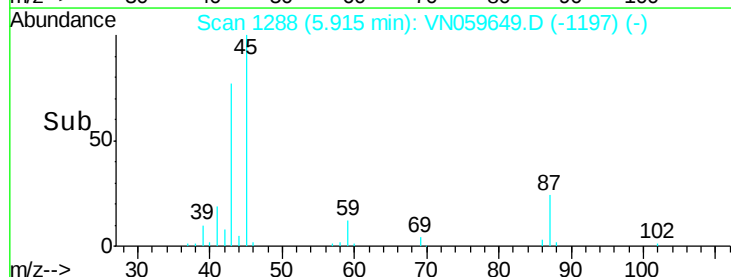
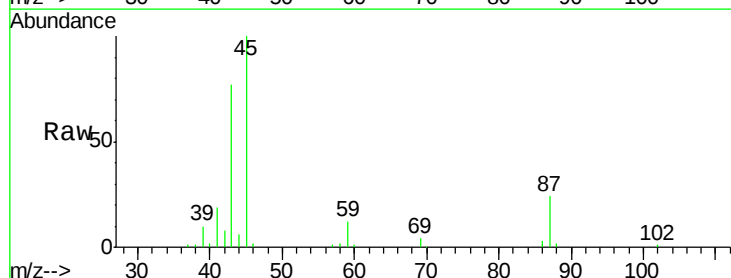
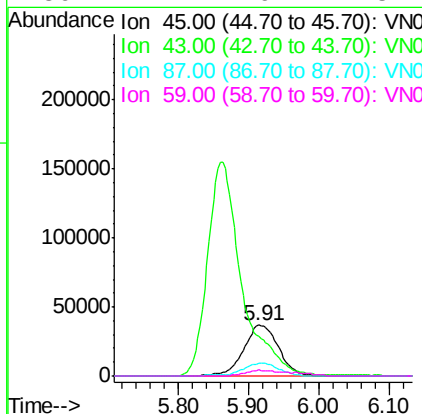
Manual Integrations
APPROVED

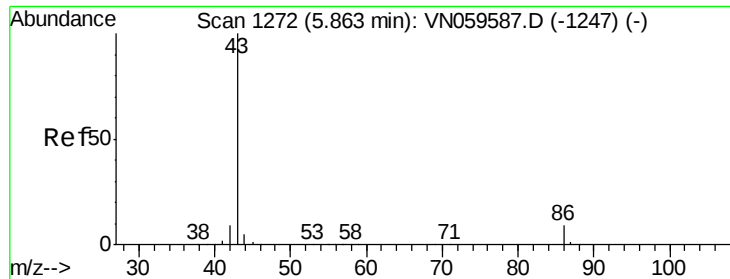
MMDadoda
12/19/2019 11:11:43 AM



#22
Diisopropyl ether
Concen: 14.823 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.6	50.8	76.2
87	24.4	21.0	31.6
59	11.7	9.1	13.7





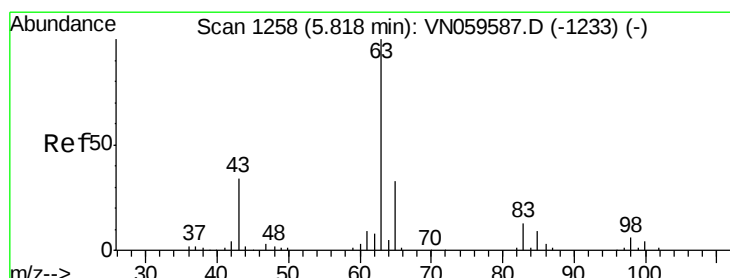
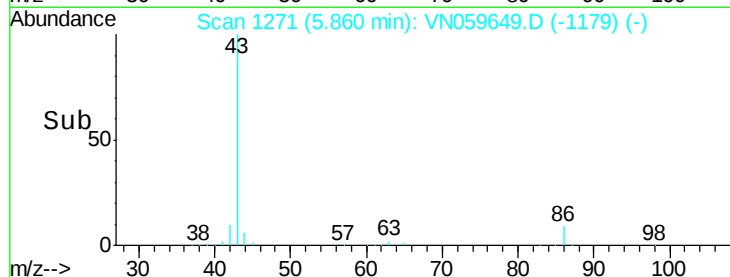
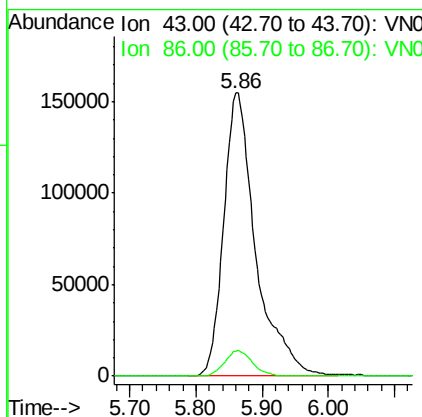
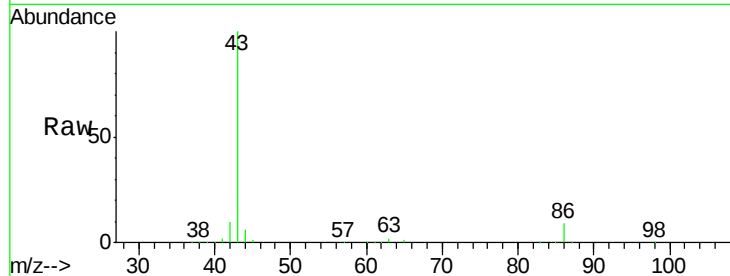
#23
 Vinyl Acetate
 Concen: 77.718 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBS01

Tot Ion	43	Resp	522907
Ion Ratio	100	Lower	Upper
43	100		
86	9.0	7.6	11.4

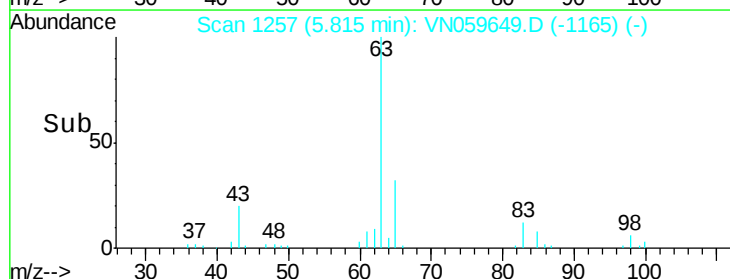
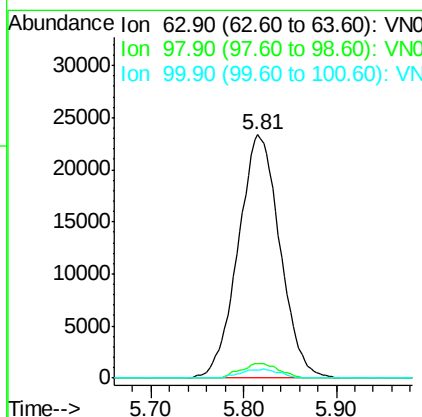
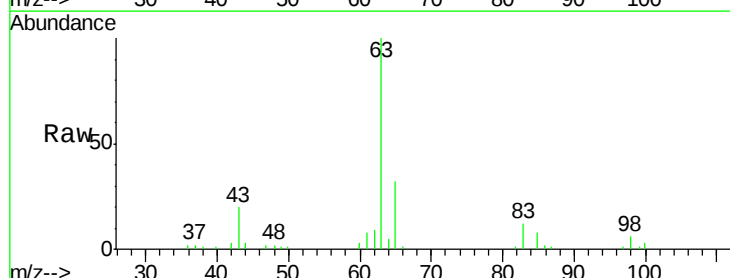
Manual Integrations
 APPROVED

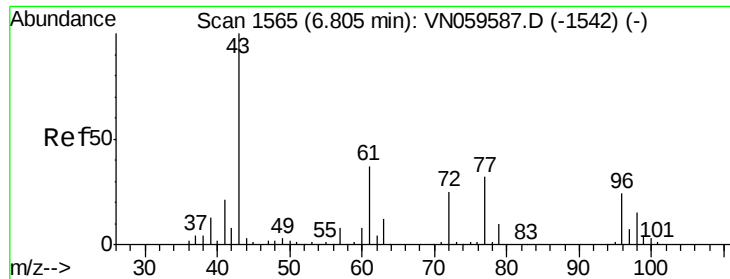
MMDadoda
 12/19/2019 11:11:43 AM



#24
 1,1-Dichloroethane
 Concen: 15.022 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Tgt Ion	63	Resp	72956
Ion Ratio	100	Lower	Upper
63	100		
98	6.1	2.9	8.7
100	3.3	2.0	6.0





#25

2-Butanone

Concen: 66.570 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBS01

Tot Ion: 43 Resp: 148538

Ion Ratio Lower Upper

43 100

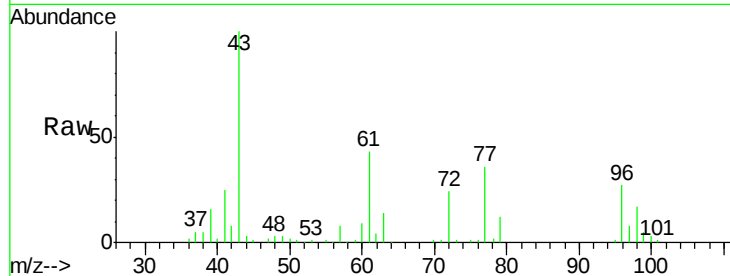
72 24.0 19.9 29.9

Manual Integrations

APPROVED

MMDadoda

12/19/2019 11:11:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1542) (-)

Ion 72.00 (71.70 to 72.70): VN059587.D (-1542) (-)

60000

50000

40000

30000

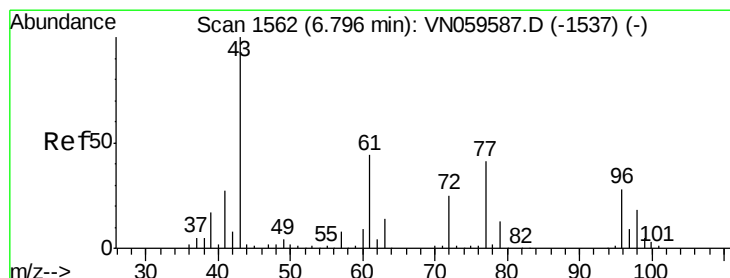
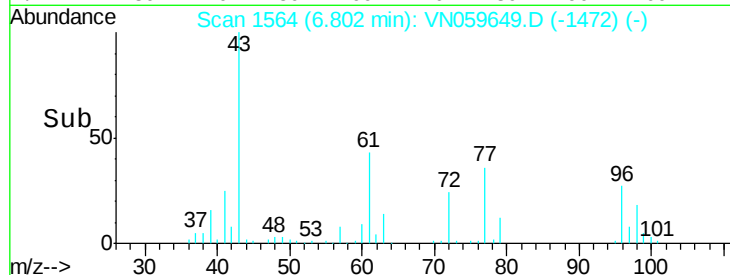
20000

10000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 14.609 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059649.D

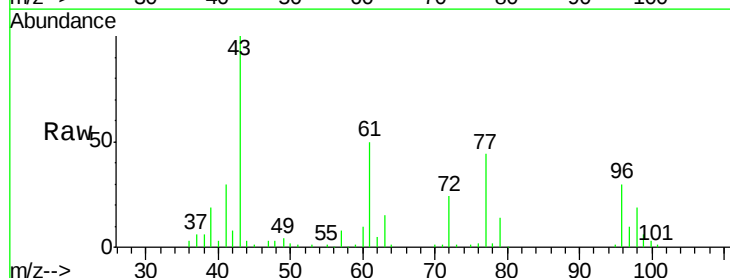
Acq: 18 Dec 2019 14:53

Tgt Ion: 77 Resp: 64483

Ion Ratio Lower Upper

77 100

97 21.0 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN059587.D (-1537) (-)

Ion 96.90 (96.60 to 97.60): VN059587.D (-1537) (-)

20000

15000

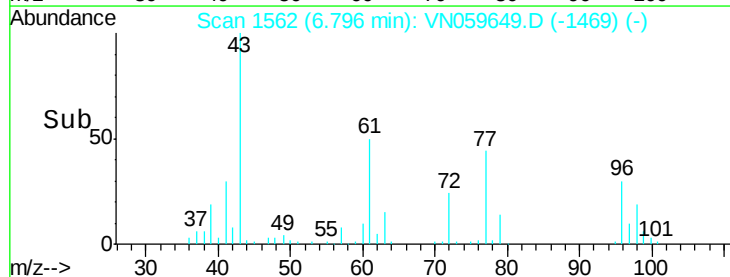
10000

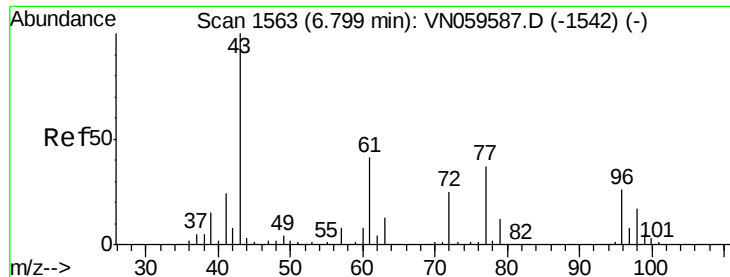
5000

0

6.70 6.75 6.80 6.85 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 14.490 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

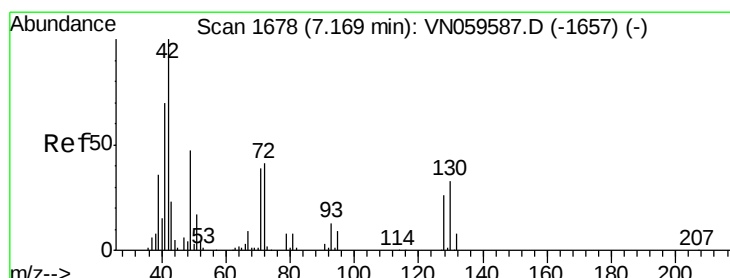
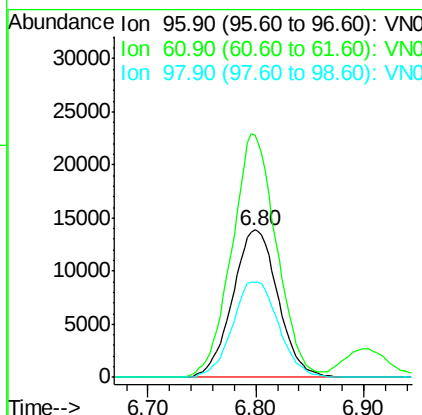
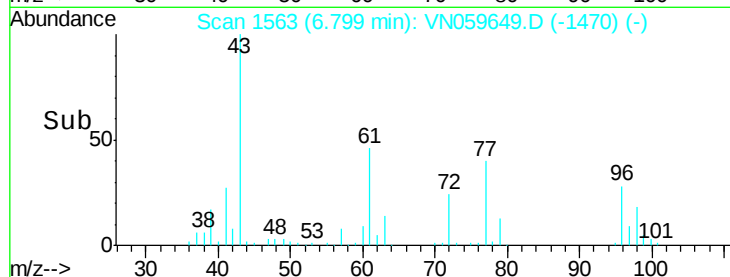
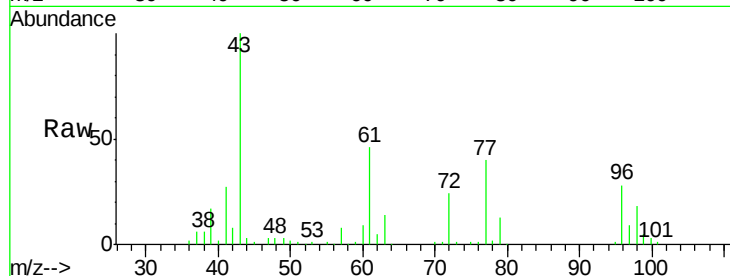
ClientSampleId :

VN1218WBS01

Tot Ion:	96	Resp:	40550
Ion	Ratio	Lower	Upper
96	100		
61	162.4	0.0	317.6
98	65.9	0.0	127.0

Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:11:43 AM



#28

Bromochloromethane

Concen: 13.008 ug/l

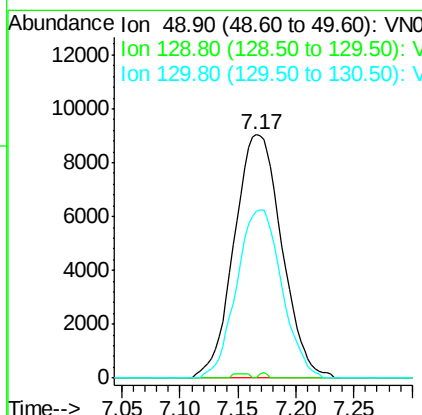
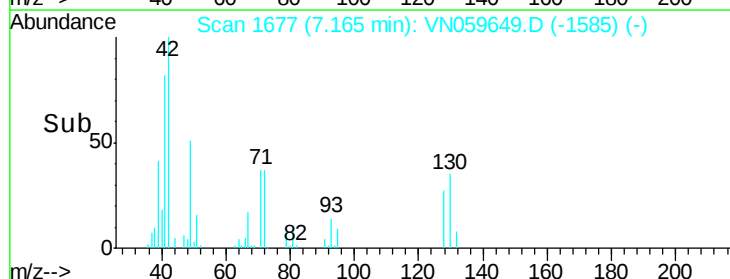
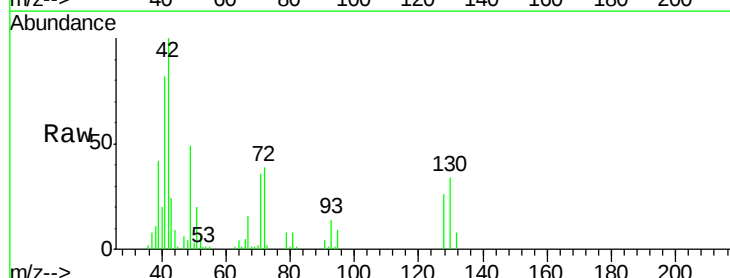
RT: 7.17 min Scan# 1677

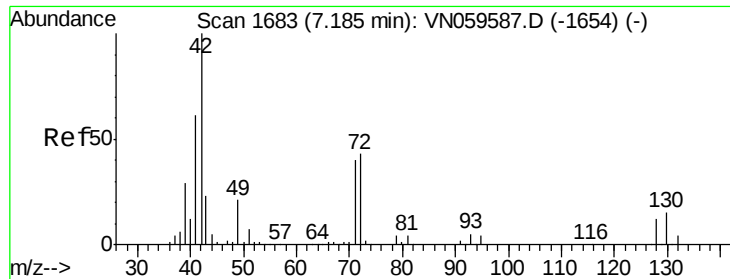
Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Tgt Ion:	49	Resp:	25830
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.4
130	65.6	54.7	82.1





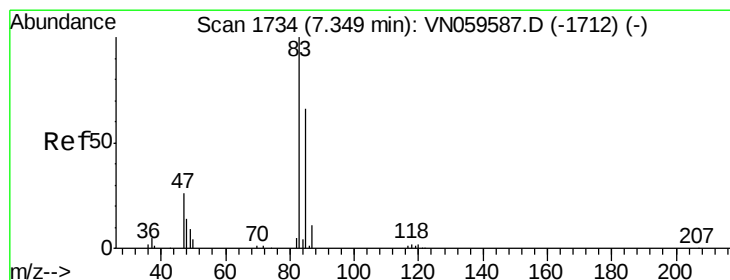
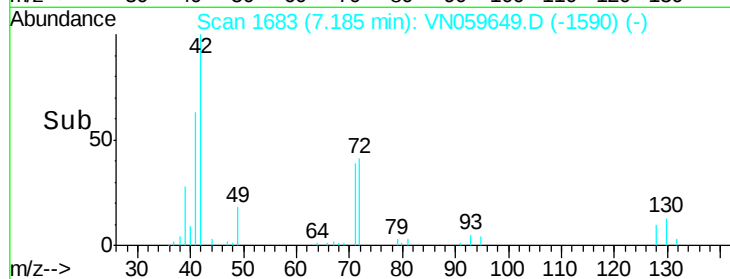
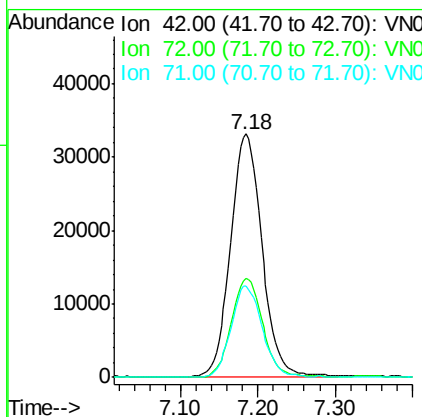
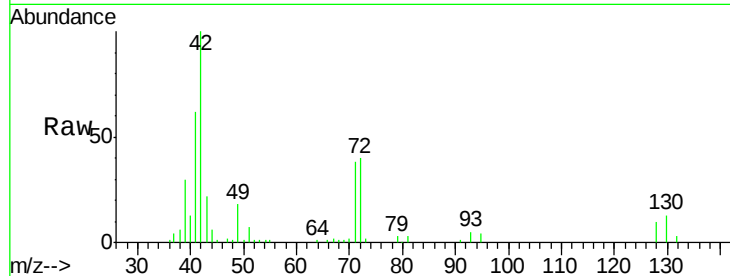
#29
Tetrahydrofuran
Concen: 69.285 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	33.1	49.7
71	36.9	31.4	47.0

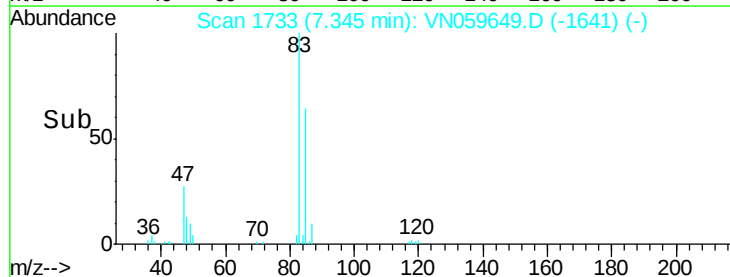
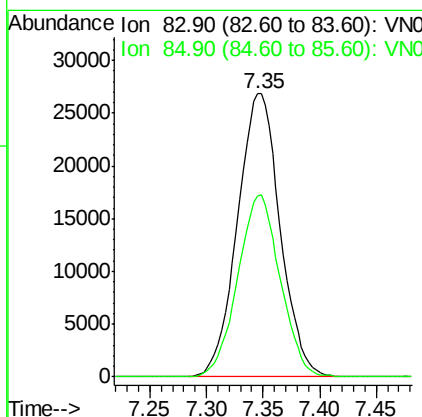
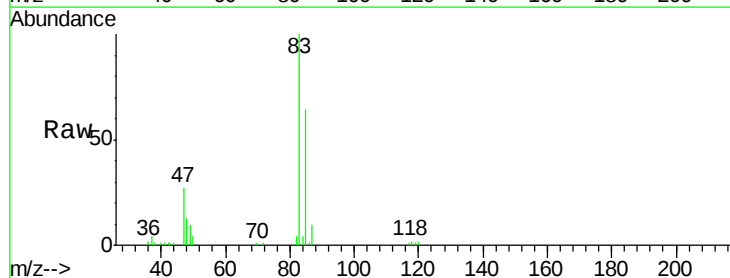
Manual Integrations
APPROVED

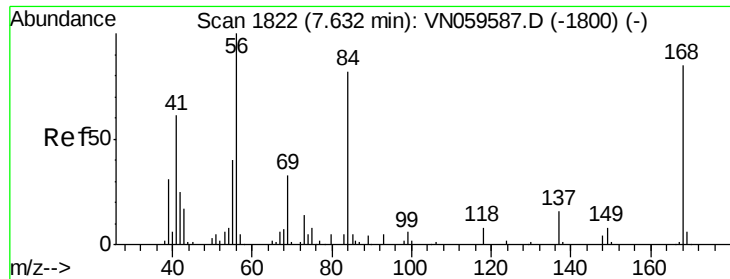
MMDadoda
12/19/2019 11:11:43 AM



#30
Chloroform
Concen: 14.696 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.4	78.6





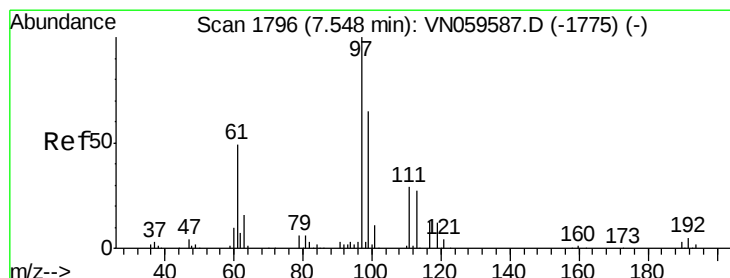
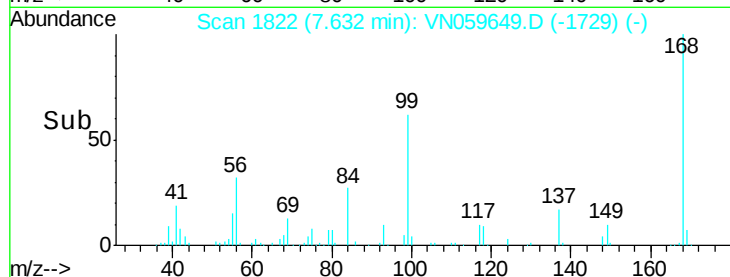
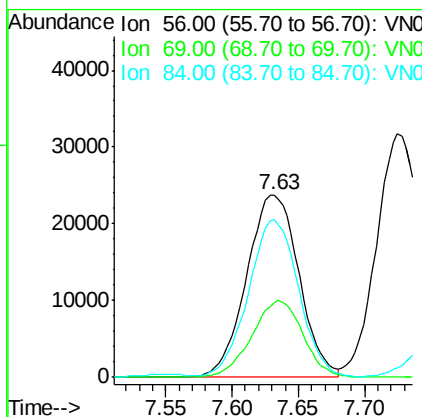
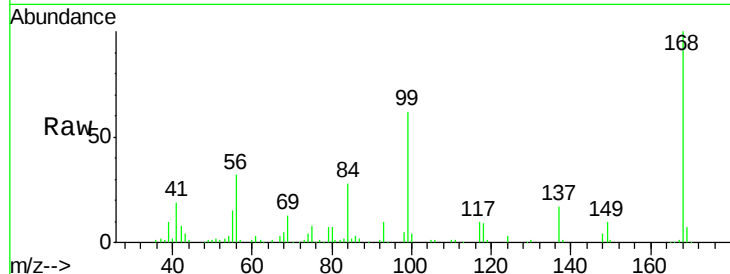
#31
Cyclohexane
Concen: 14.295 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.3	26.5	39.7#
84	85.5	65.3	97.9

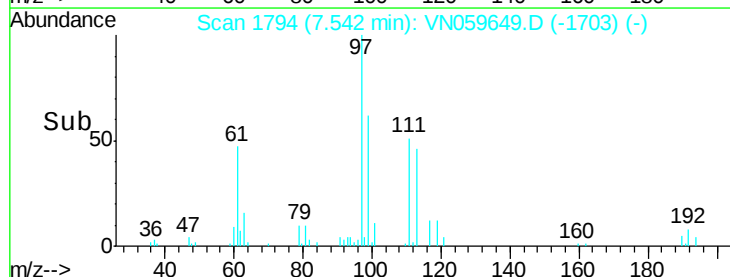
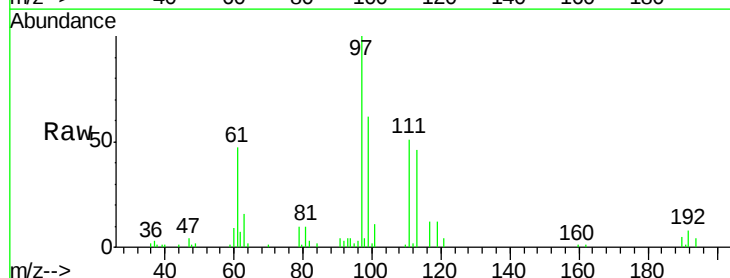
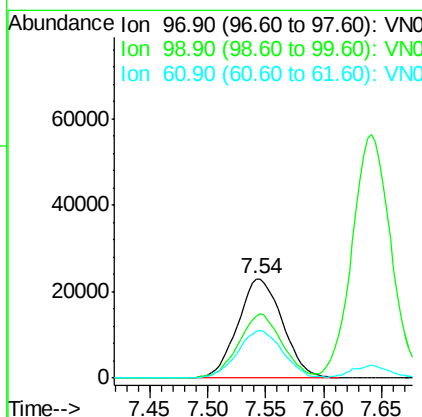
Manual Integrations
APPROVED

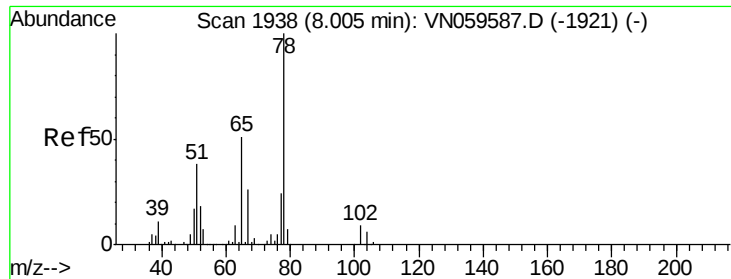
MMDadoda
12/19/2019 11:11:43 AM



#32
1,1,1-Trichloroethane
Concen: 14.285 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.0	76.4
61	48.6	38.5	57.7





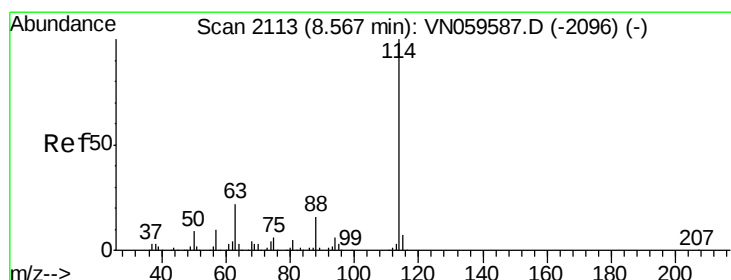
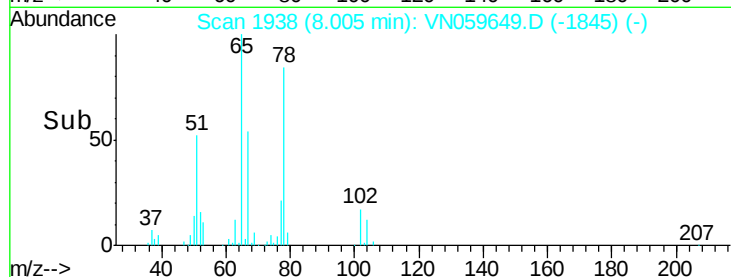
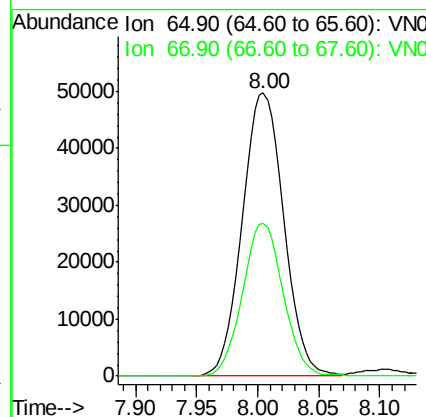
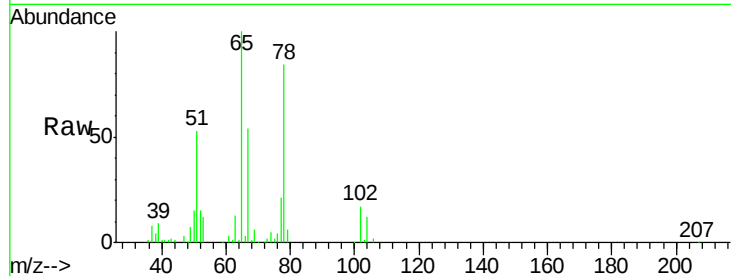
#33
 1,2-Dichloroethane-d4
 Concen: 37.289 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	117195		
67	52.9	0.0	103.0	

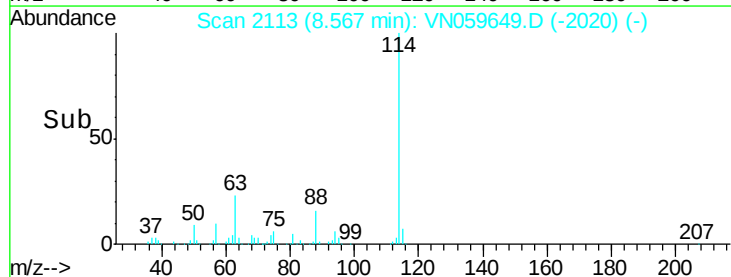
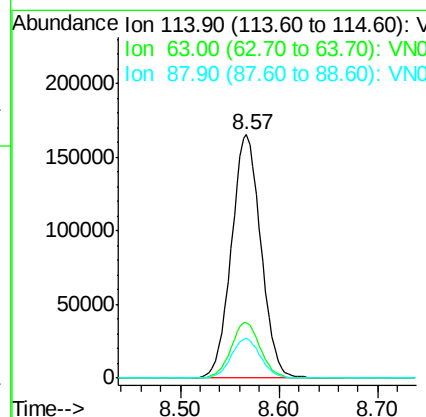
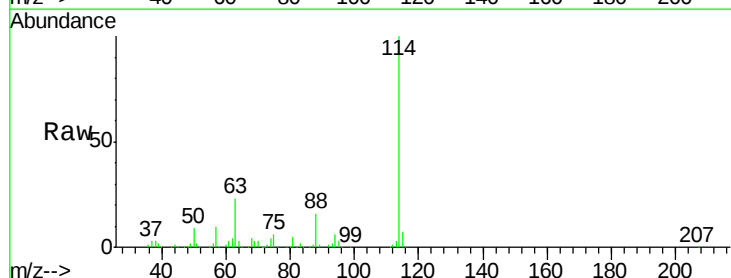
Manual Integrations
 APPROVED

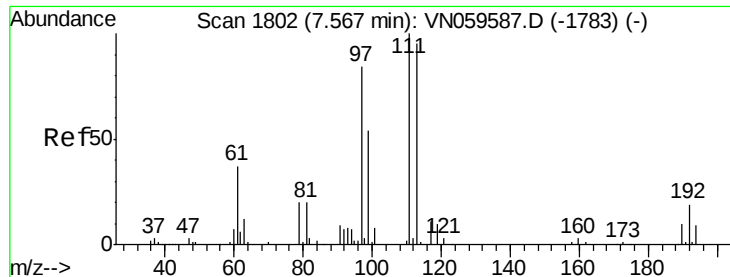
MMDadoda
 12/19/2019 11:11:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	344349		
63	22.7	0.0	43.6	
88	16.3	0.0	31.4	





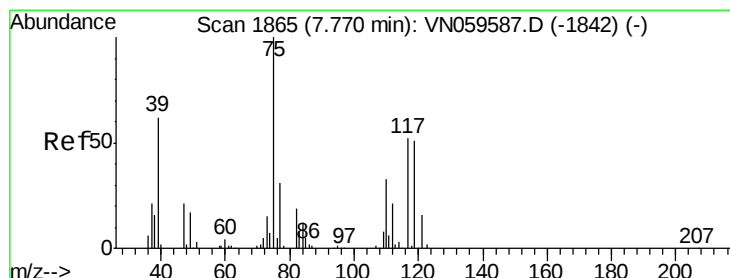
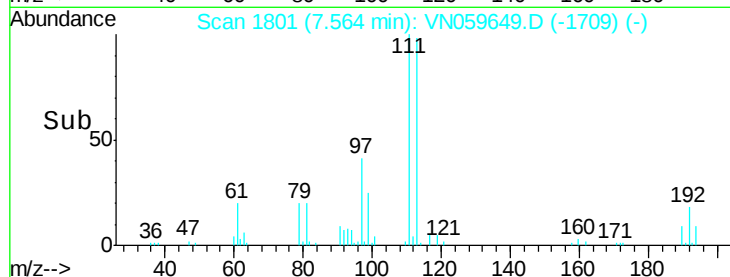
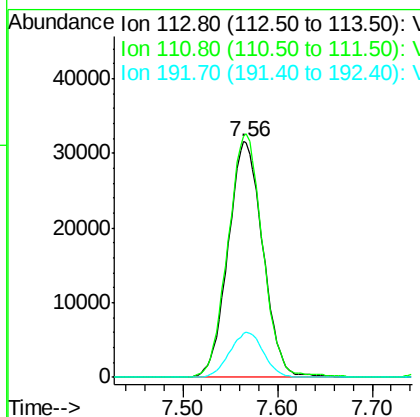
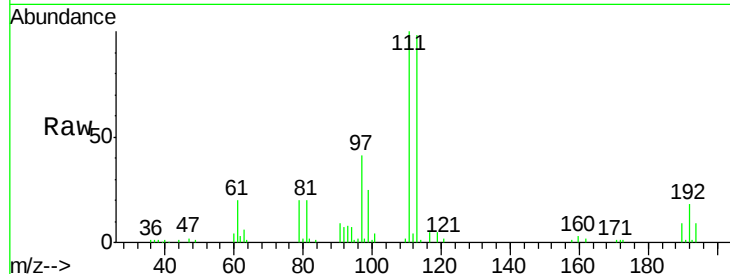
#35
 Dibromofluoromethane
 Concen: 37.321 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	80410		
111	102.6	83.5	125.3	
192	18.5	15.4	23.2	

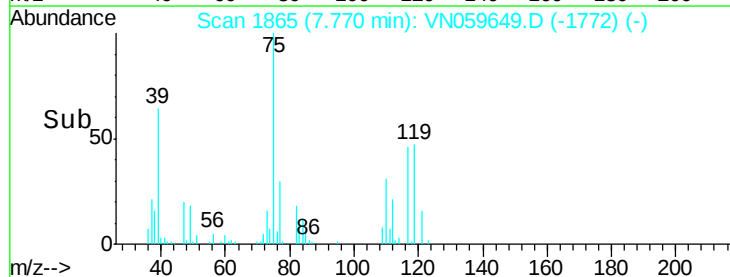
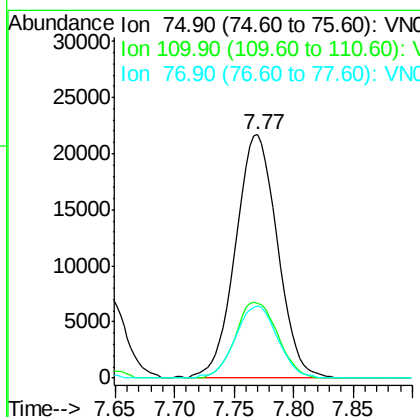
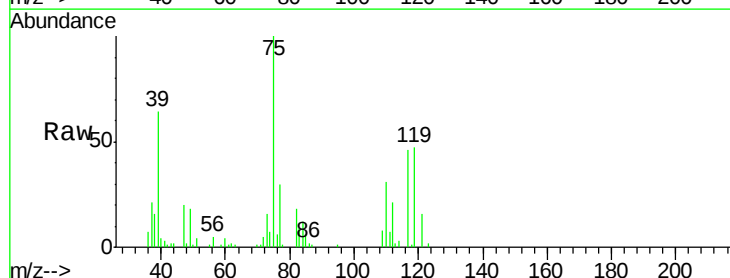
Manual Integrations
 APPROVED

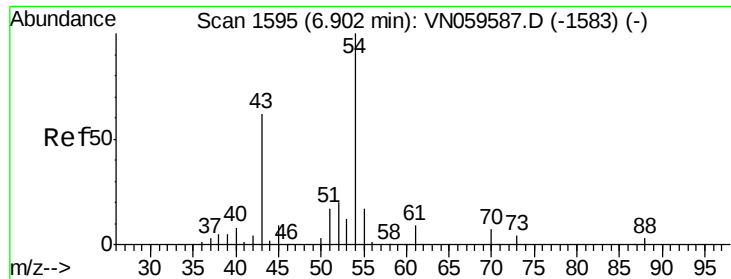
MMDadoda
 12/19/2019 11:11:43 AM



#36
 1,1-Dichloropropene
 Concen: 14.746 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	52954		
110	31.5	16.6	49.7	
77	30.0	25.1	37.7	





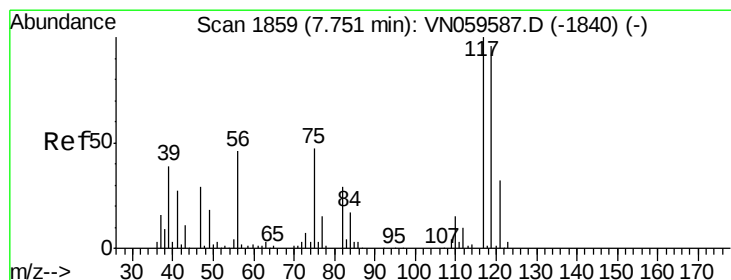
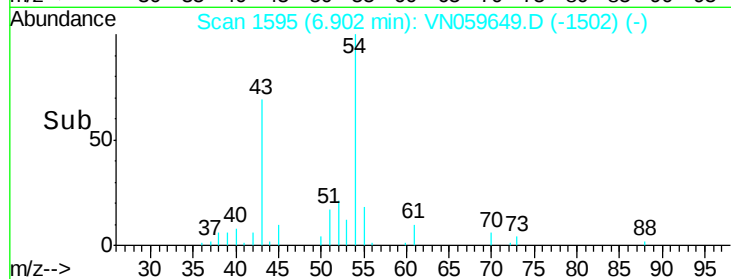
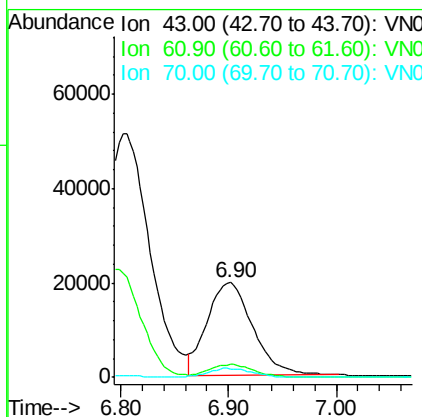
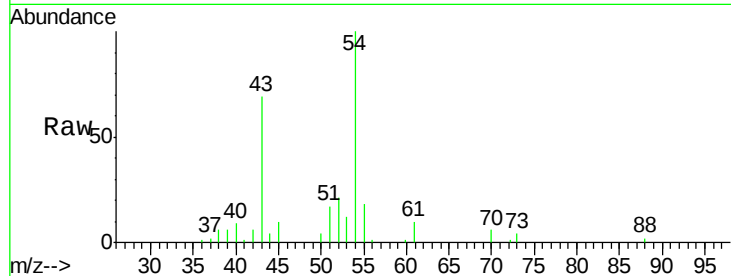
#37
Ethyl Acetate
Concen: 14.054 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	9.0	7.7	11.5

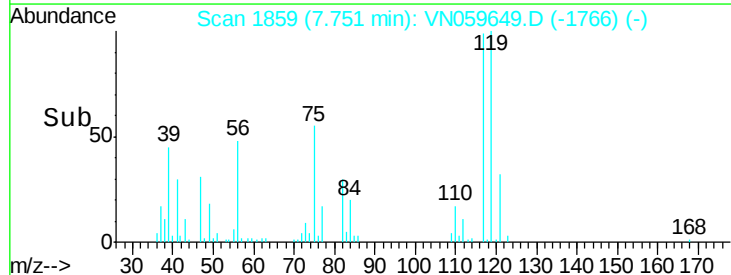
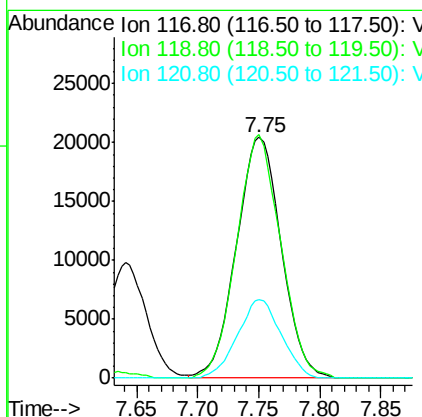
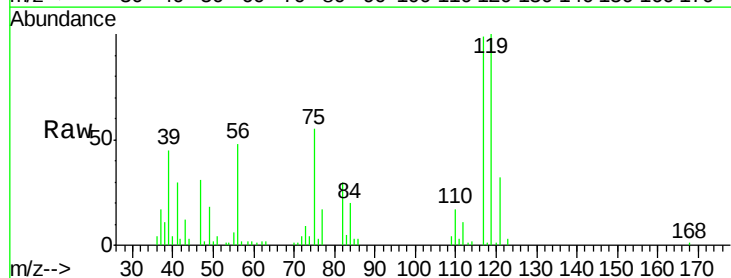
Manual Integrations
APPROVED

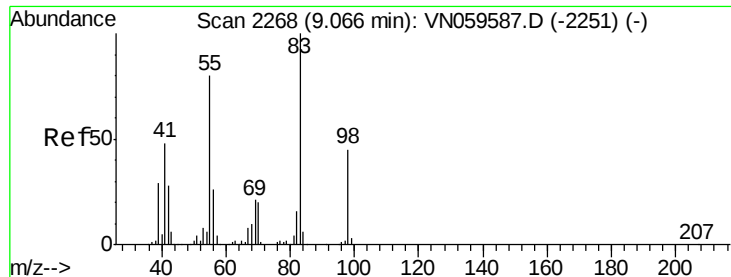
MMDadoda
12/19/2019 11:11:43 AM



#38
Carbon Tetrachloride
Concen: 13.969 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.1	76.5	114.7
121	32.6	25.1	37.7





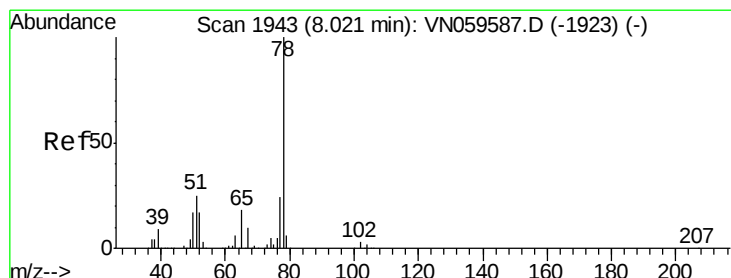
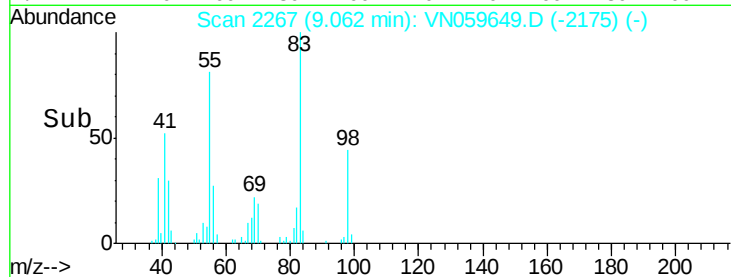
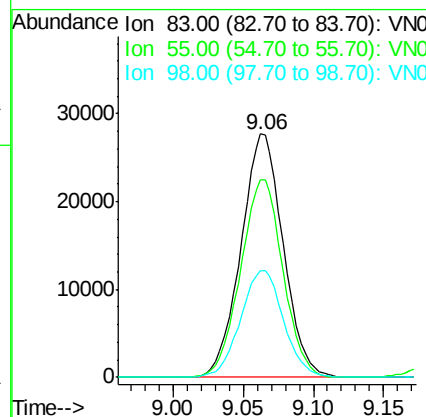
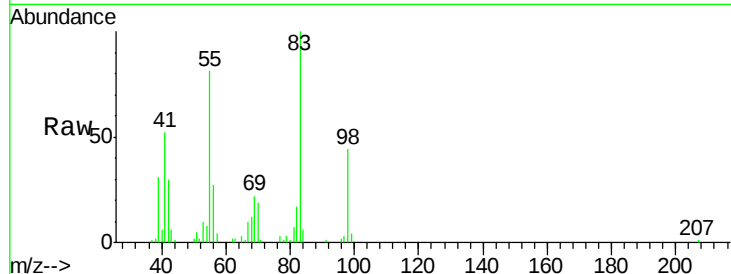
#39
Methvlcvclohexane
Concen: 14.213 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.4	64.2	96.2	
98	43.6	35.9	53.9	

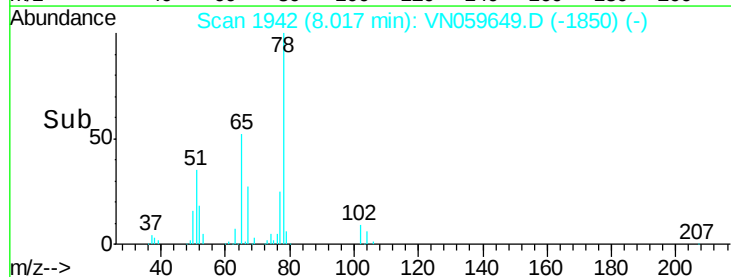
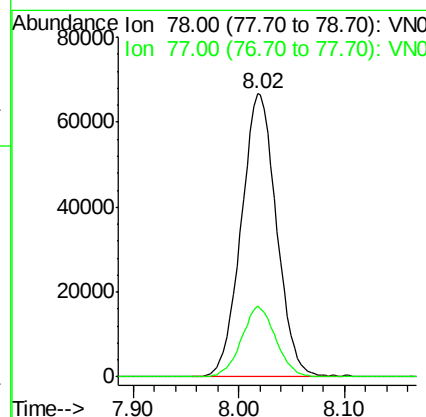
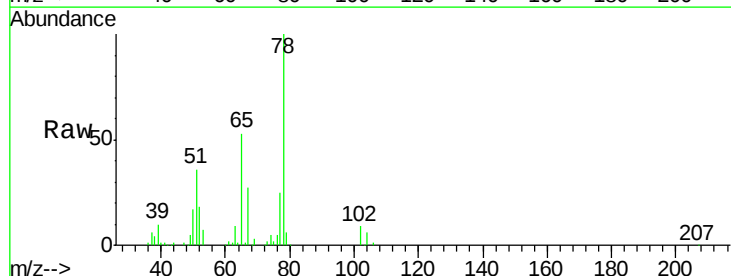
Manual Integrations
APPROVED

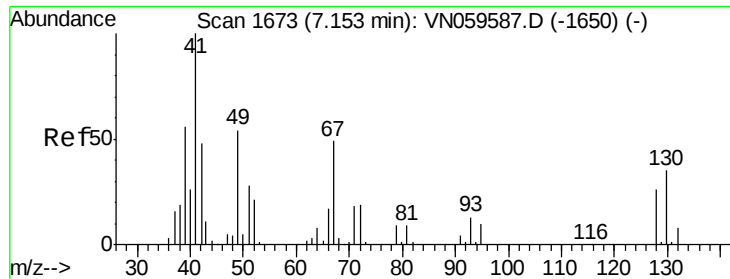
MMDadoda
12/19/2019 11:11:43 AM



#40
Benzene
Concen: 14.750 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.9	18.9	28.3	





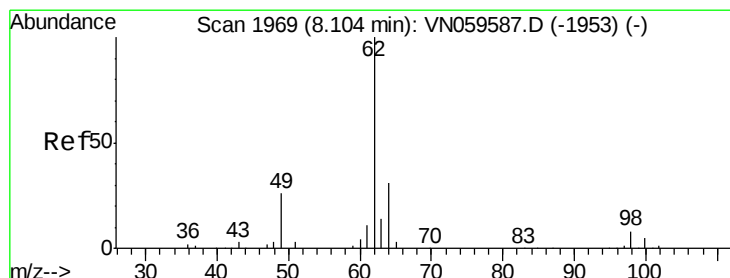
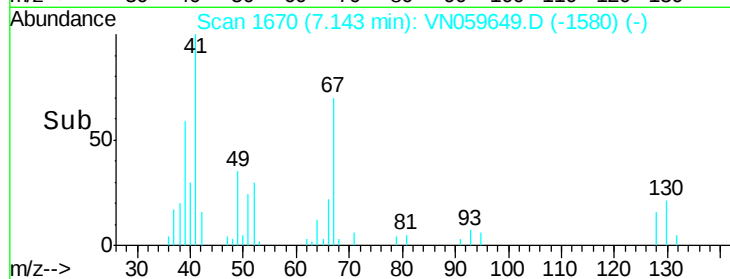
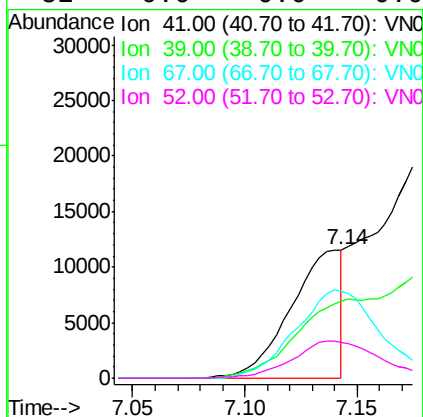
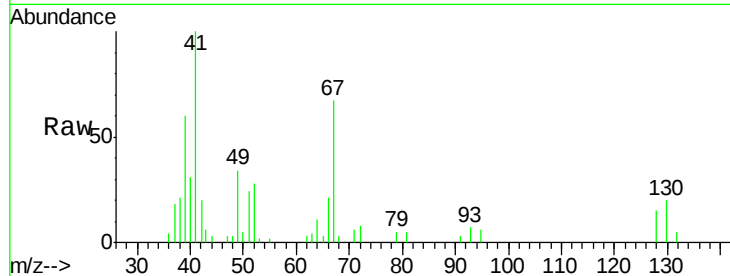
#41
Methacrylonitrile
Concen: 10.698 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	246.7	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

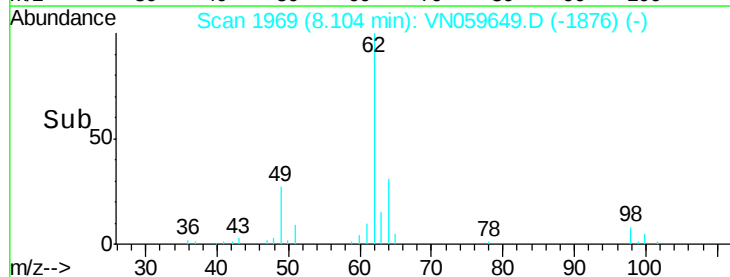
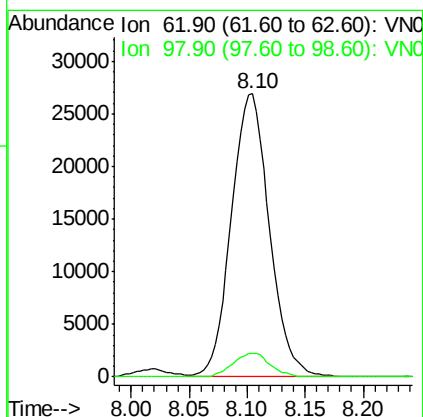
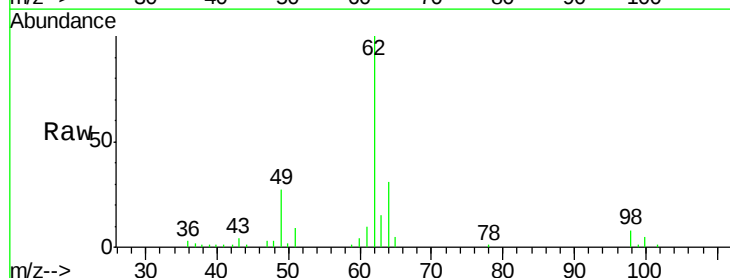
Manual Integrations
APPROVED

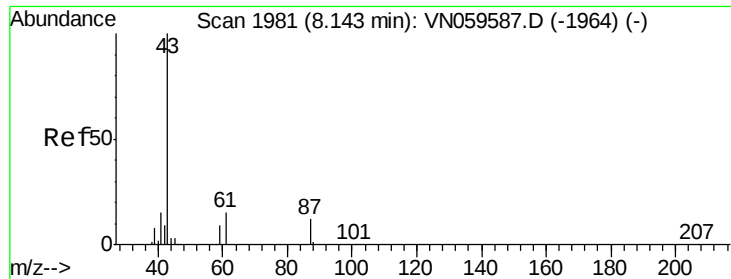
MMDadoda
12/19/2019 11:11:43 AM



#42
1,2-Dichloroethane
Concen: 15.301 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.8





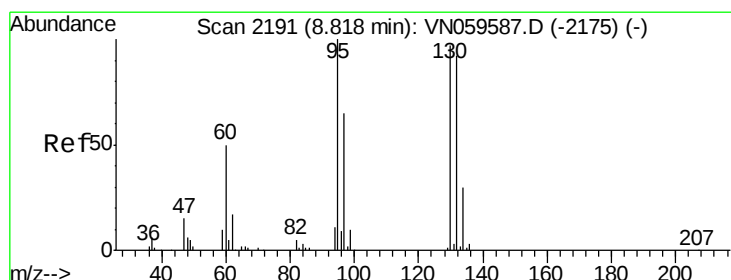
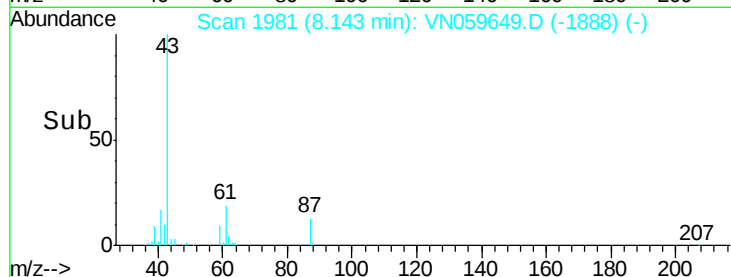
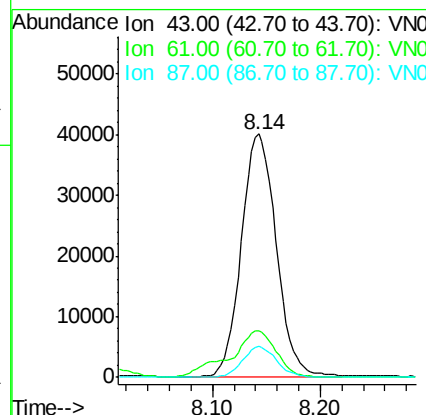
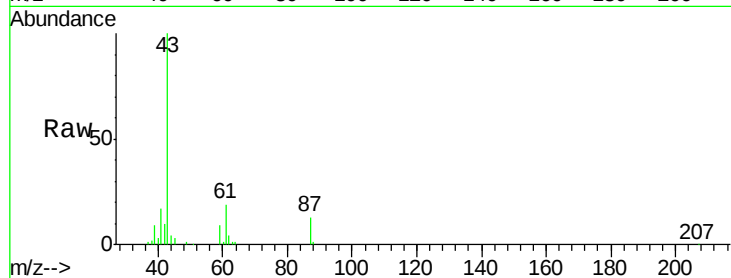
#43
Isopropyl Acetate
Concen: 13.998 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.3	20.2	30.2
87	12.1	9.5	14.3

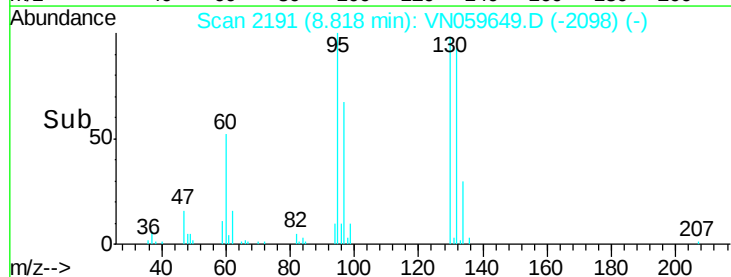
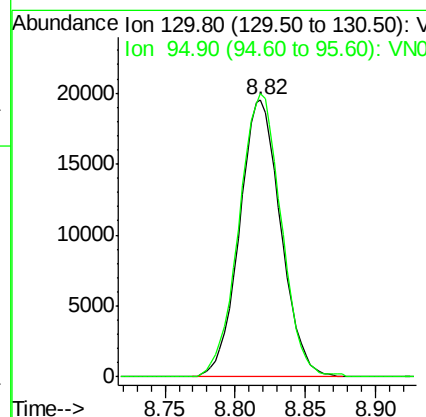
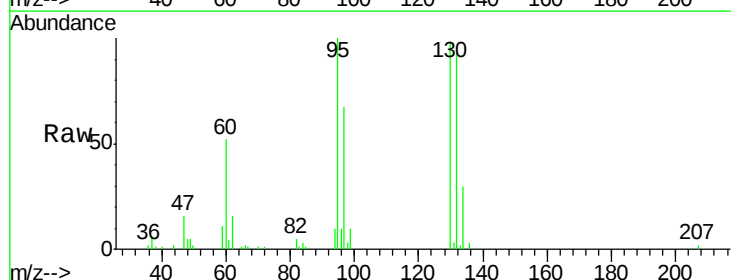
Manual Integrations
APPROVED

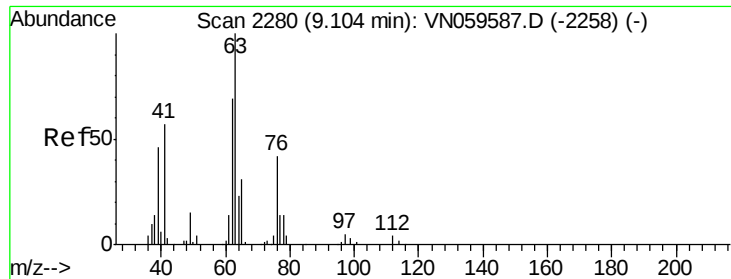
MMDadoda
12/19/2019 11:11:43 AM



#44
Trichloroethene
Concen: 14.541 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	207.0





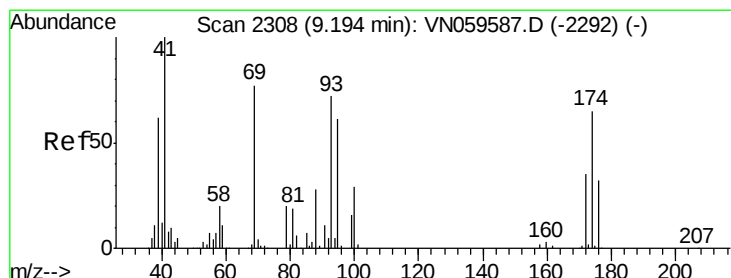
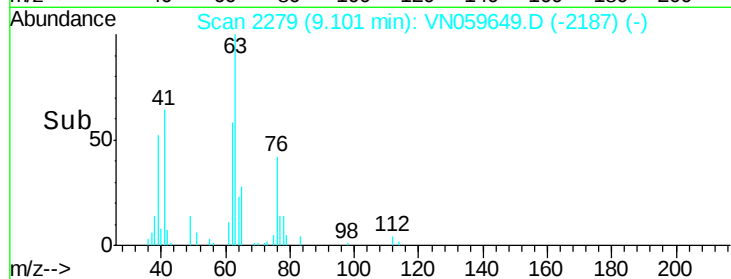
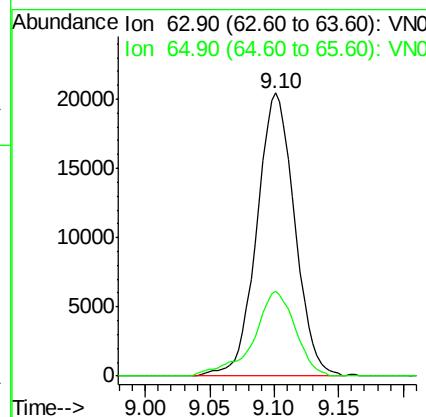
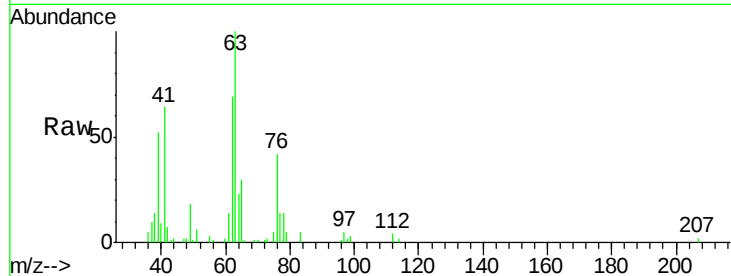
#45
 1,2-Dichloropropane
 Concen: 14.791 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBS01

Tot Ion: 63 Resp: 41917
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.9 37.3

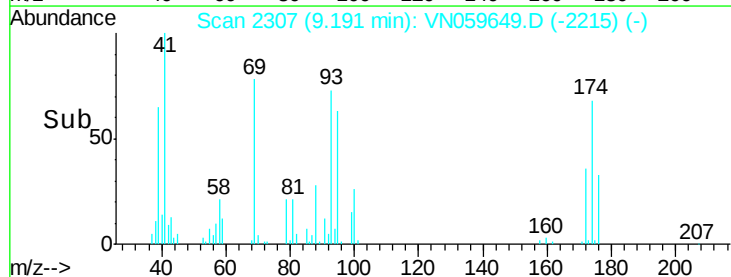
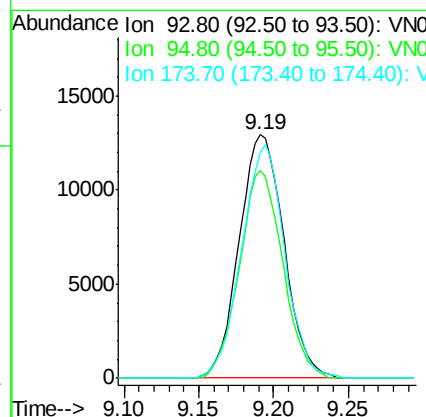
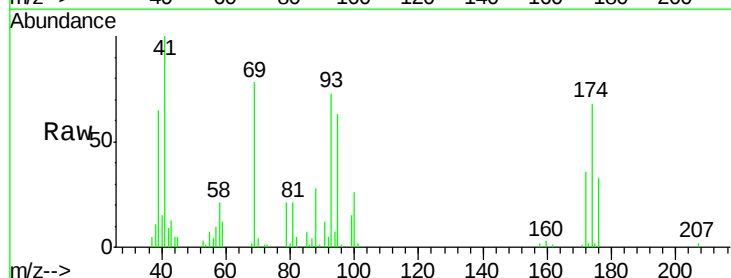
Manual Integrations
 APPROVED

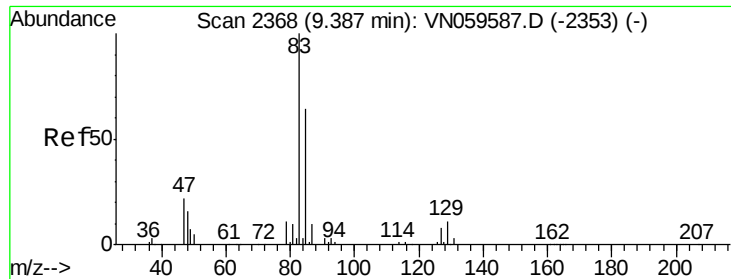
MMDadoda
 12/19/2019 11:11:43 AM



#46
 Dibromomethane
 Concen: 14.491 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Tgt Ion: 93 Resp: 26904
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.0 100.6
 174 92.6 73.4 110.2





#47

Bromodichloromethane

Concen: 14.803 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

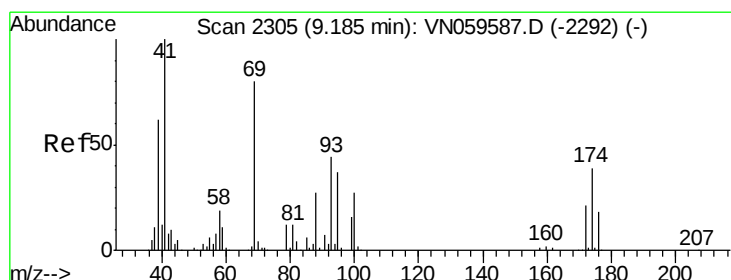
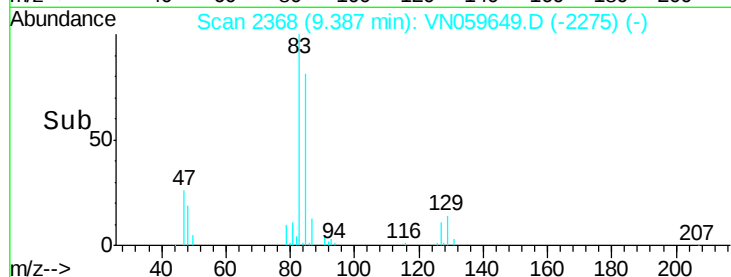
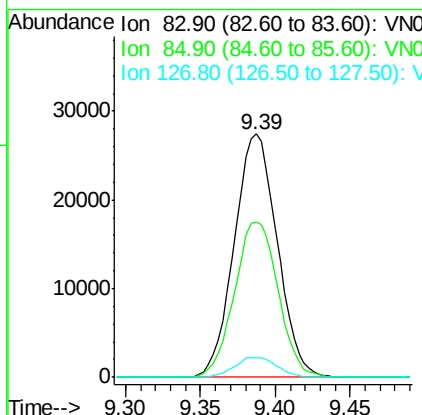
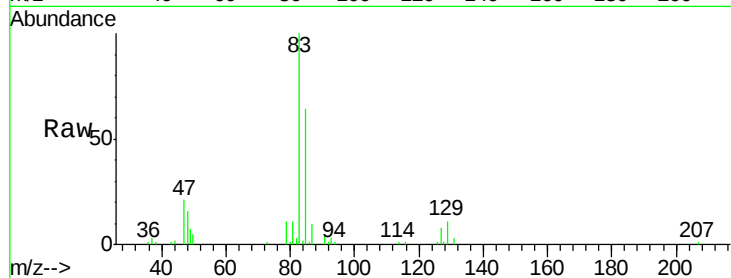
ClientSampleId :

VN1218WBS01

Tot Ion:	83	Resp:	54797
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.3	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:11:43 AM



#48

Methyl methacrylate

Concen: 13.295 ug/l

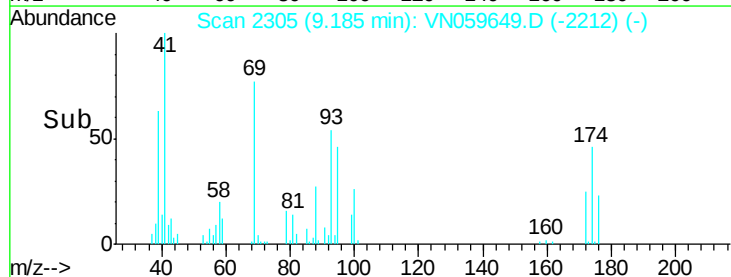
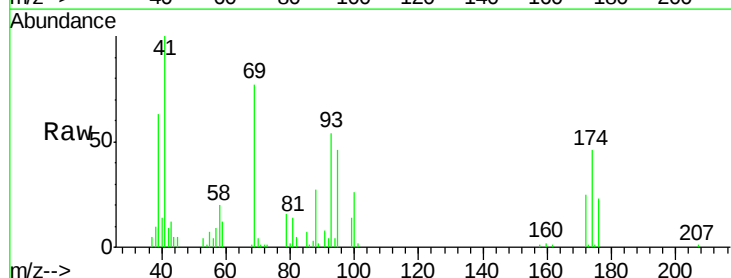
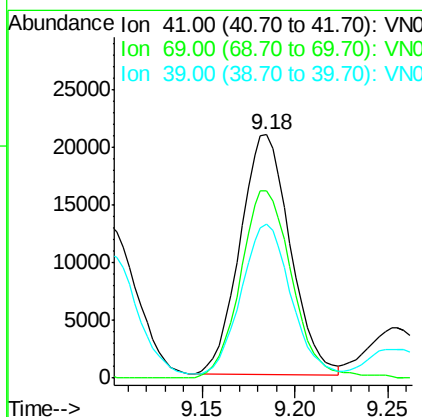
RT: 9.18 min Scan# 2305

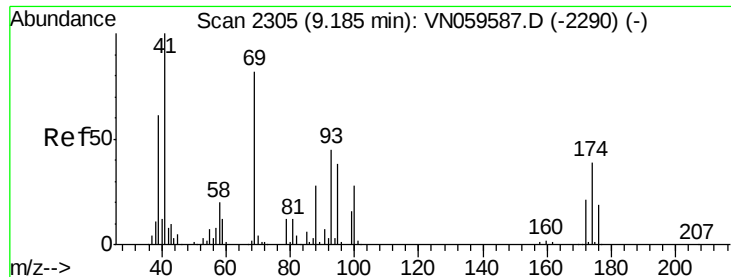
Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Tgt Ion:	41	Resp:	39141
Ion	Ratio	Lower	Upper
41	100		
69	80.7	64.4	96.6
39	65.4	51.3	76.9





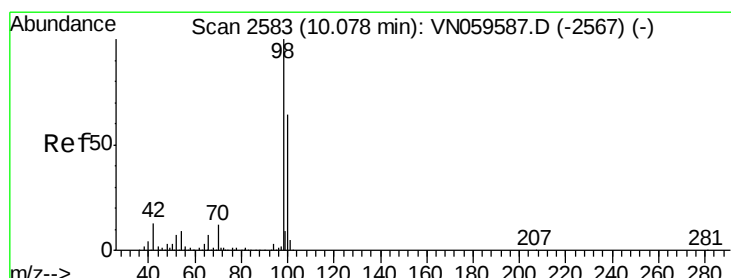
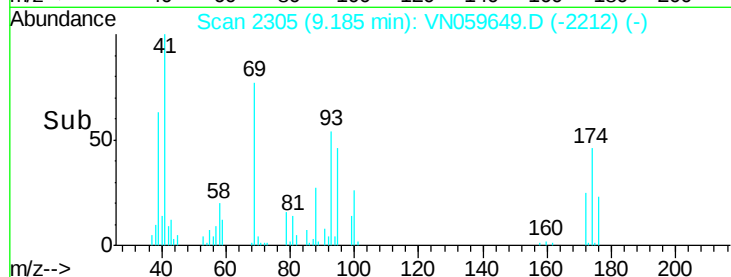
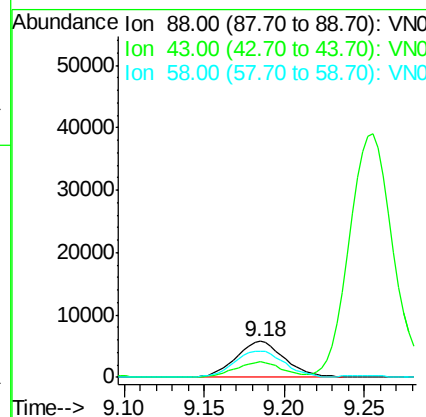
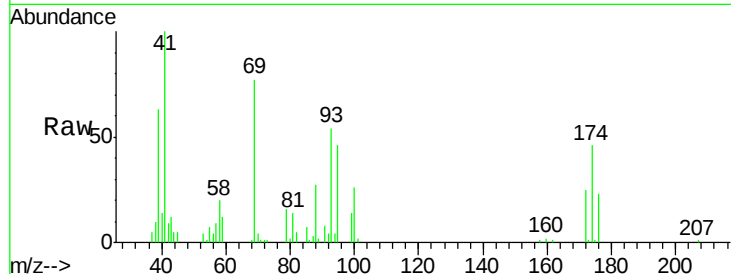
#49
1,4-Dioxane
Concen: 283.831 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.7	29.7	44.5
58	75.2	56.6	85.0

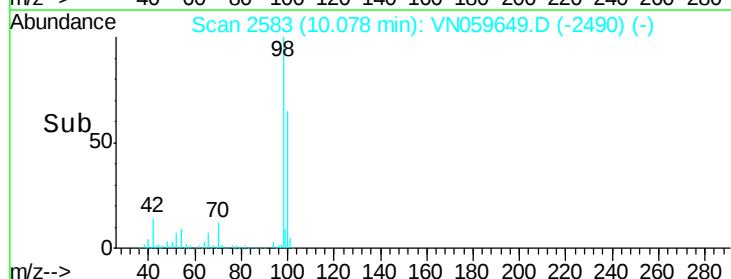
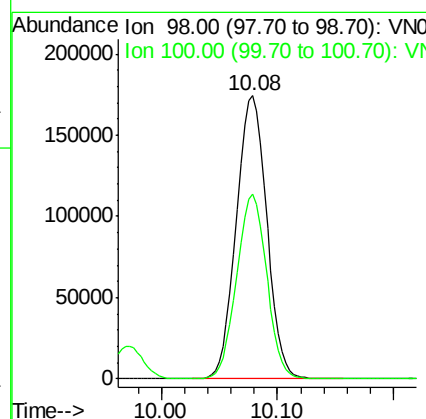
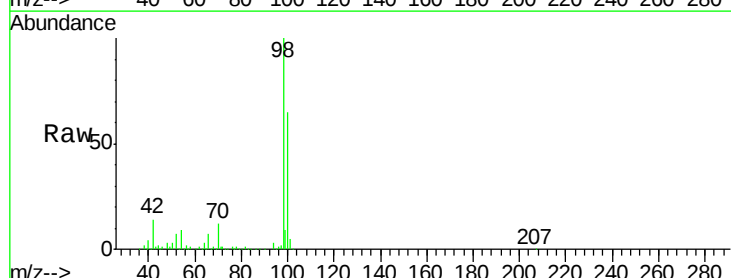
Manual Integrations
APPROVED

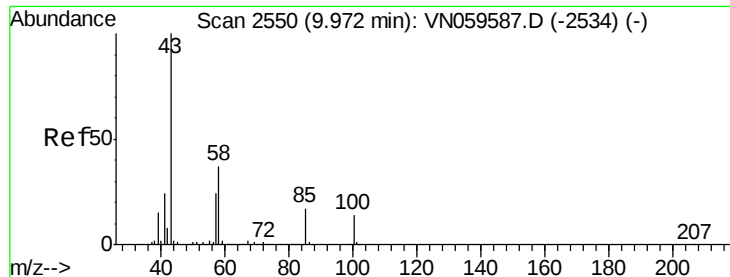
MMDadoda
12/19/2019 11:11:43 AM



#50
Toluene-d8
Concen: 37.249 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





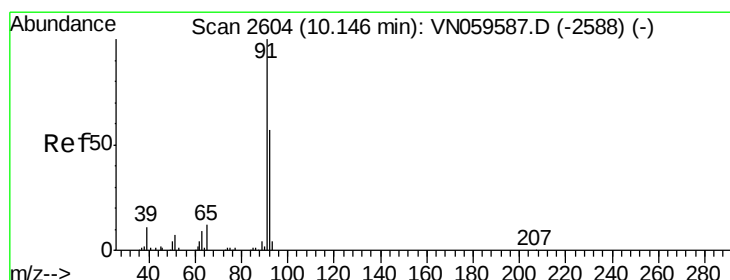
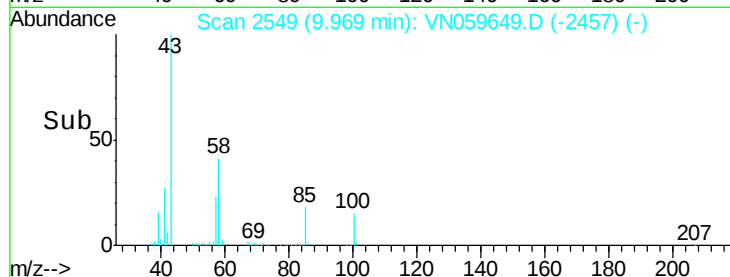
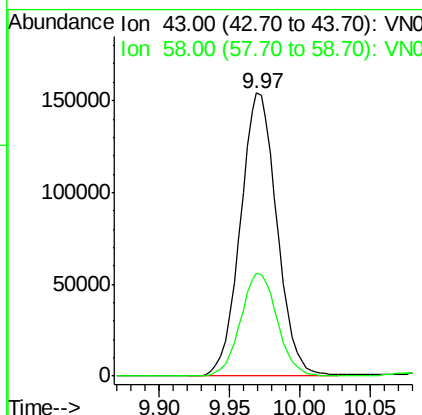
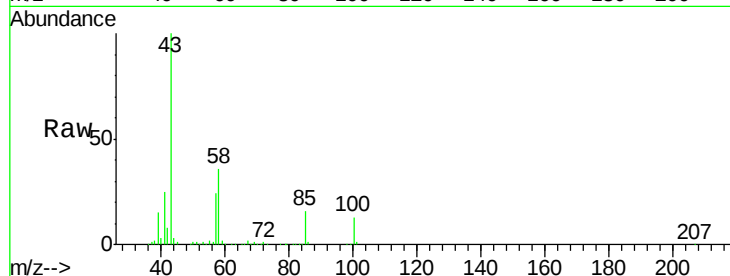
#51
4-Methyl-2-Pentanone
Concen: 72.204 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.8	44.8

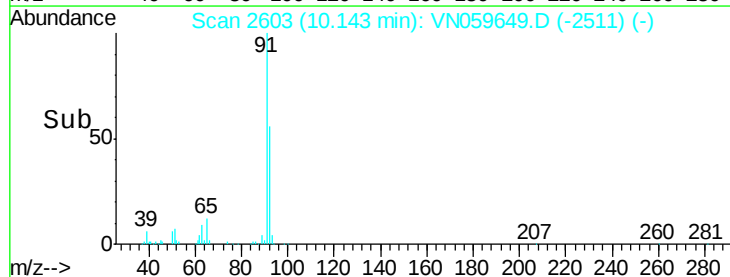
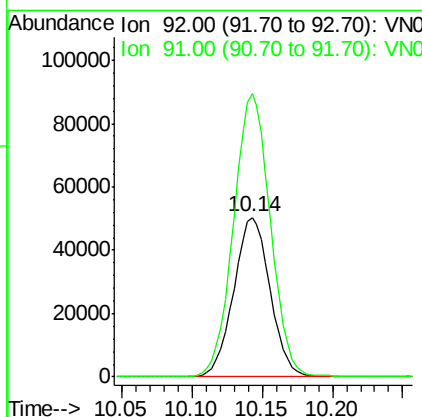
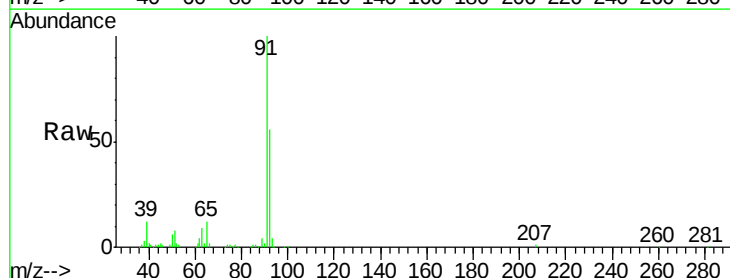
Manual Integrations
APPROVED

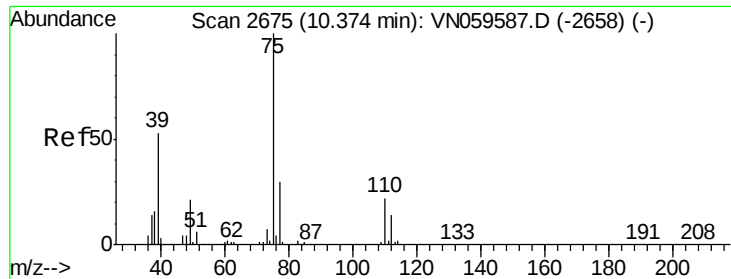
MMDadoda
12/19/2019 11:11:43 AM



#52
Toluene
Concen: 14.121 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	179.7	140.4	210.6





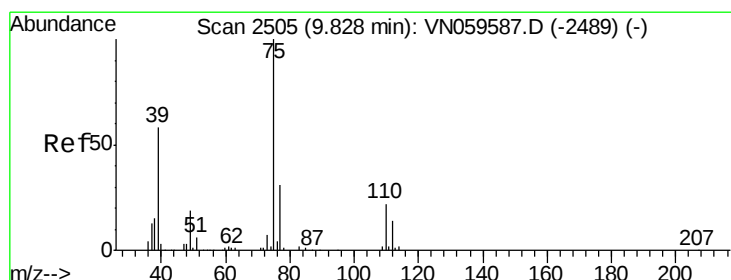
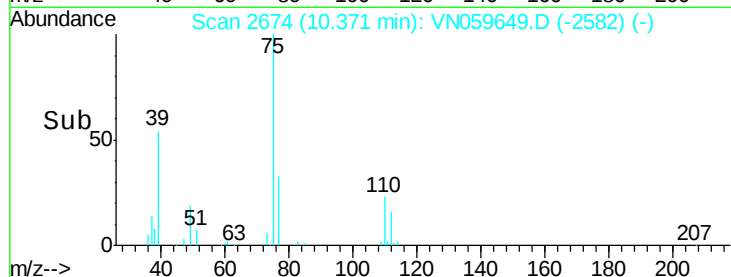
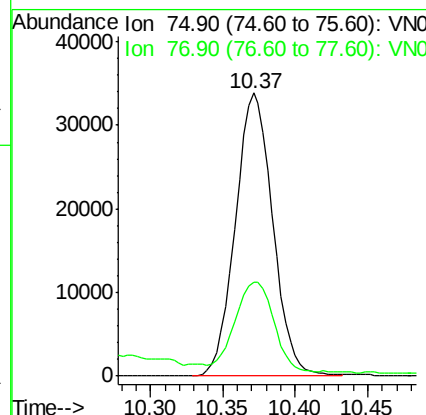
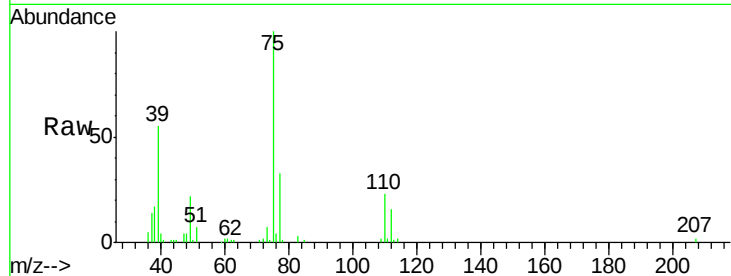
#53
t-1,3-Dichloropropene
Concen: 14.194 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion: 75 Resp: 60765
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2

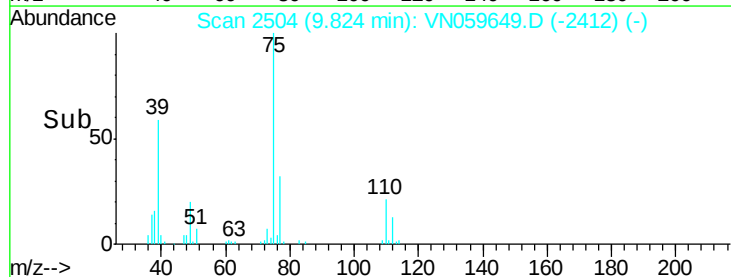
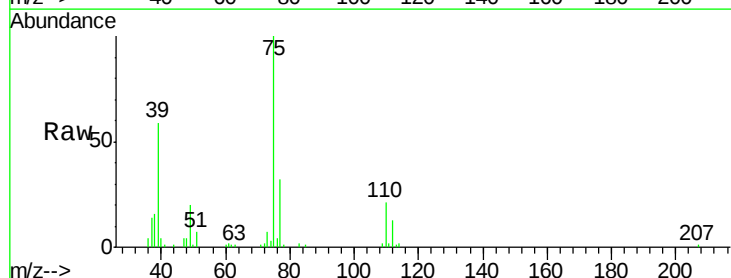
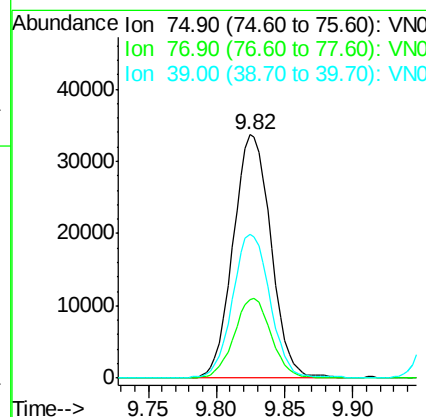
Manual Integrations
APPROVED

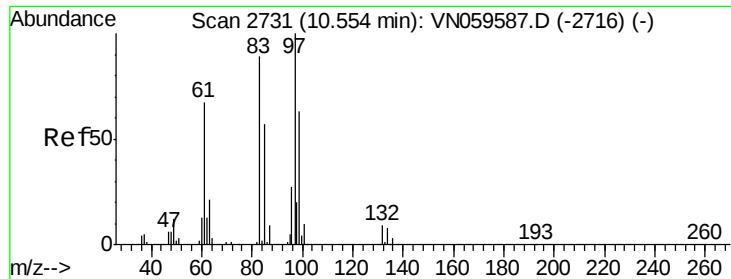
MMDadoda
12/19/2019 11:11:43 AM



#54
cis-1,3-Dichloropropene
Concen: 14.379 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion: 75 Resp: 64708
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7
39 58.8 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 15.182 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBS01

Tot Ion: 97 Resp: 38415

Ion Ratio Lower Upper

97 100

83 86.5 71.3 106.9

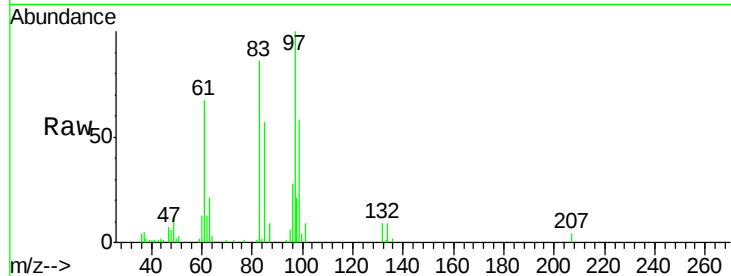
85 56.7 45.8 68.8

99 57.9 50.0 75.0

Manual Integrations
APPROVED

MMDadoda

12/19/2019 11:11:43 AM

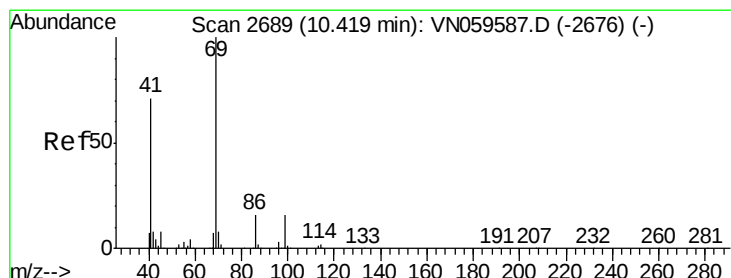
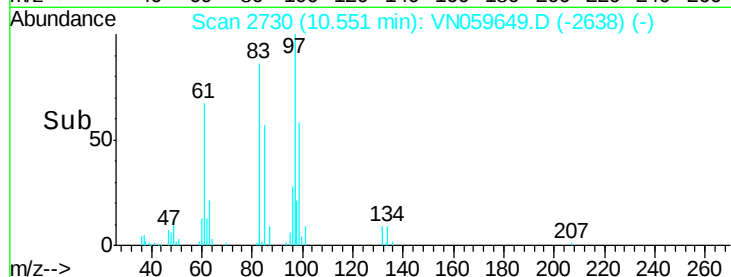
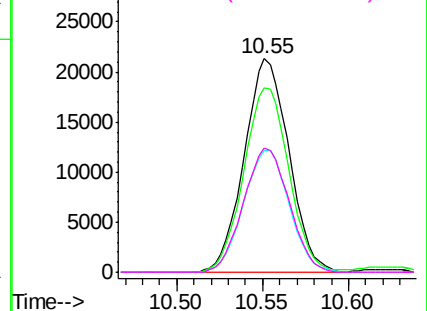


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 13.598 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

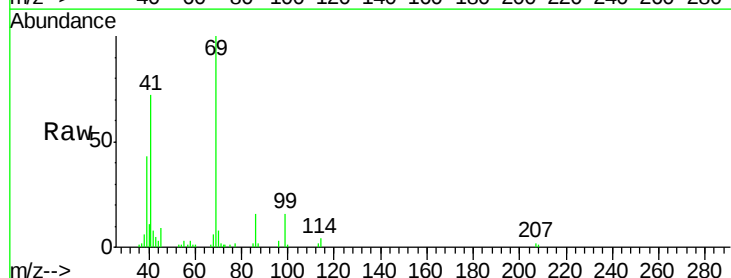
Tgt Ion: 69 Resp: 51080

Ion Ratio Lower Upper

69 100

41 72.5 57.1 85.7

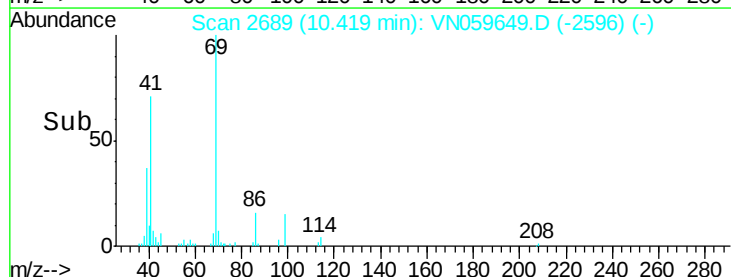
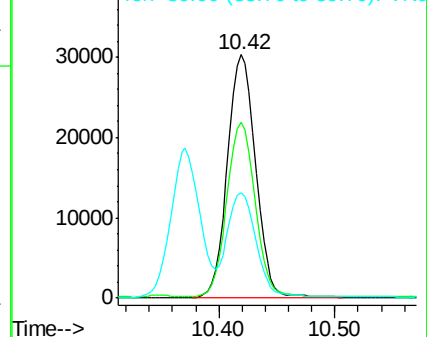
39 43.8 34.7 52.1

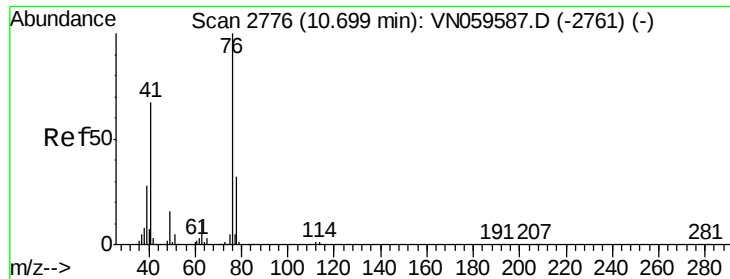


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 14.764 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBS01

Tot Ion: 76 Resp: 65045

Ion Ratio Lower Upper

76 100

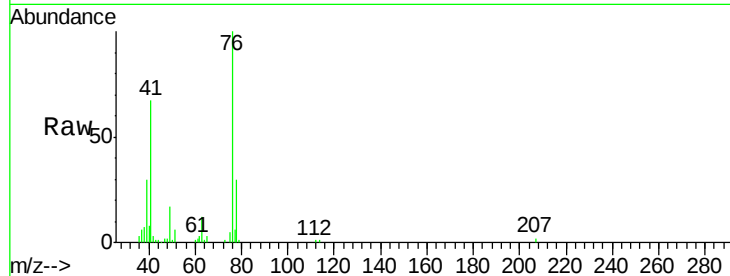
78 31.8 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

12/19/2019 11:11:43 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

40000

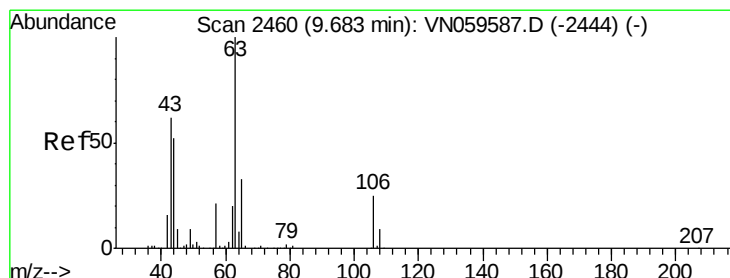
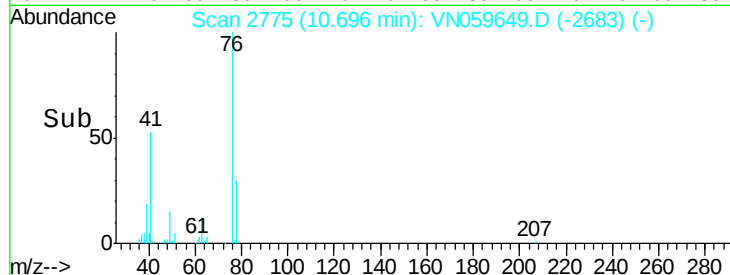
30000

20000

10000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 50.182 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059649.D

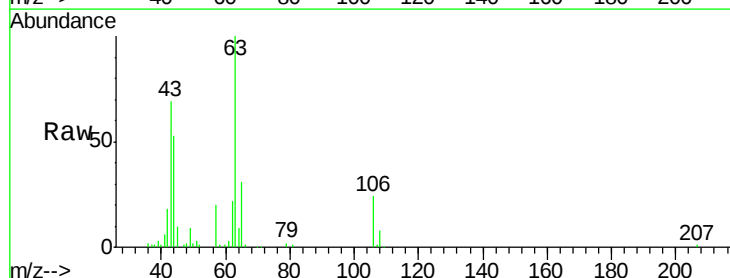
Acq: 18 Dec 2019 14:53

Tgt Ion: 63 Resp: 59950

Ion Ratio Lower Upper

63 100

106 24.2 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

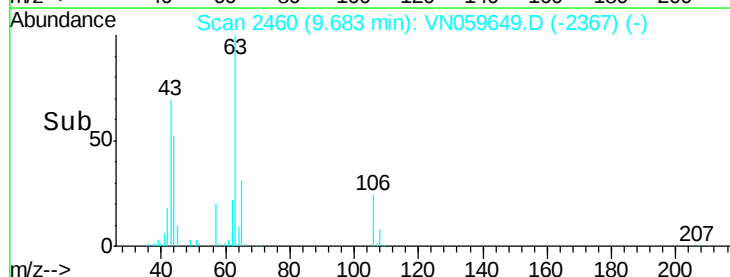
30000

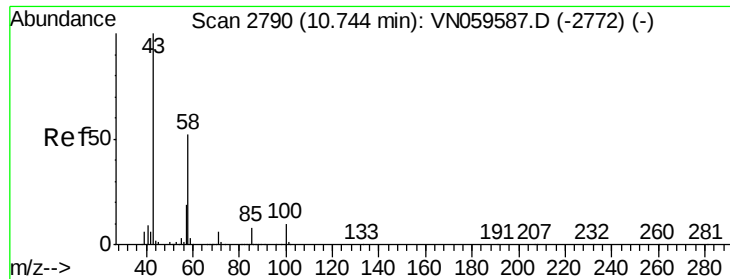
20000

10000

0

Time-->





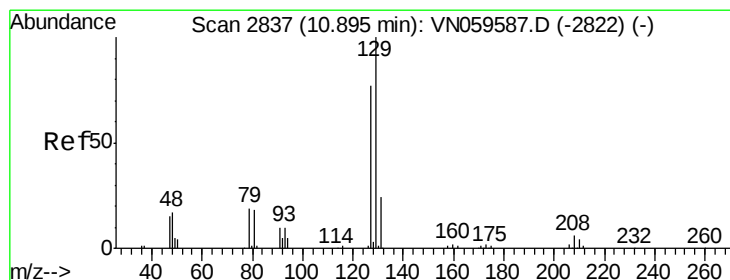
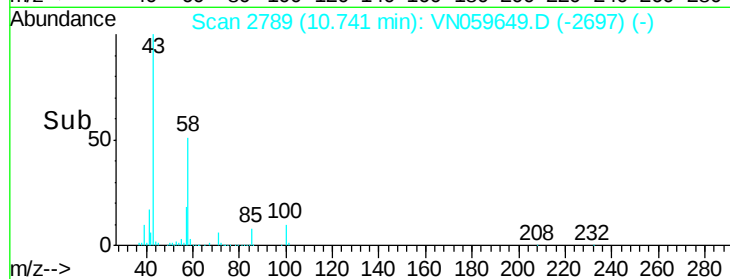
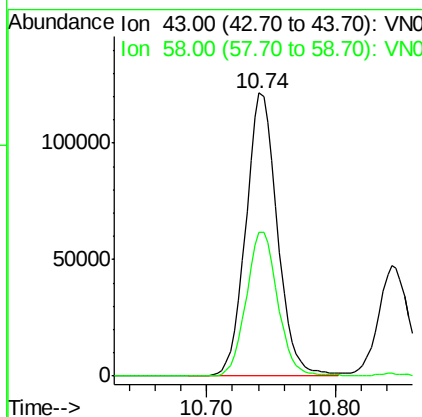
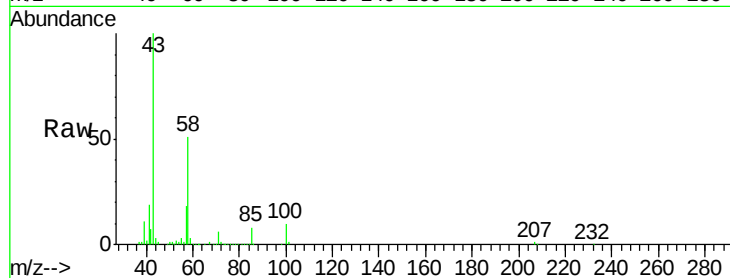
#59
2-Hexanone
Concen: 67.619 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.8	77.3

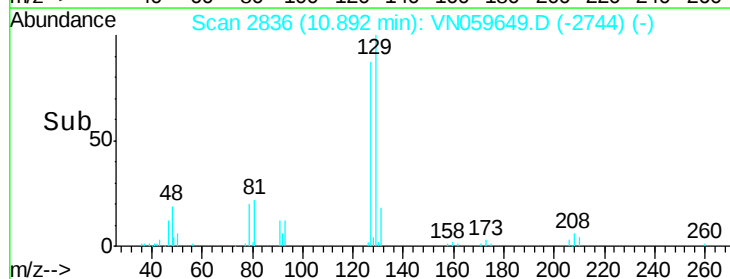
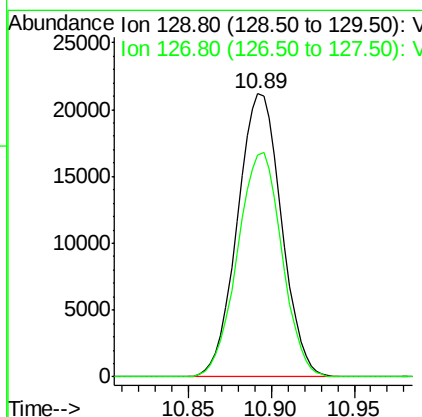
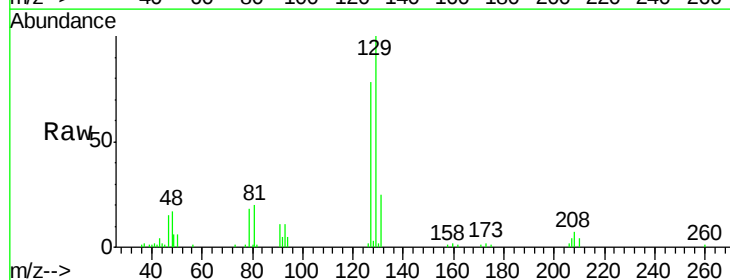
Manual Integrations
APPROVED

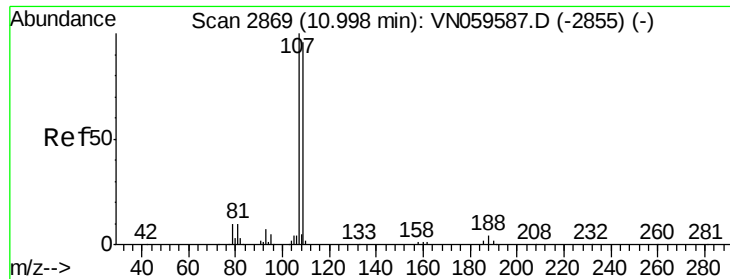
MMDadoda
12/19/2019 11:11:43 AM



#60
Dibromochloromethane
Concen: 14.175 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.6	38.5	115.5





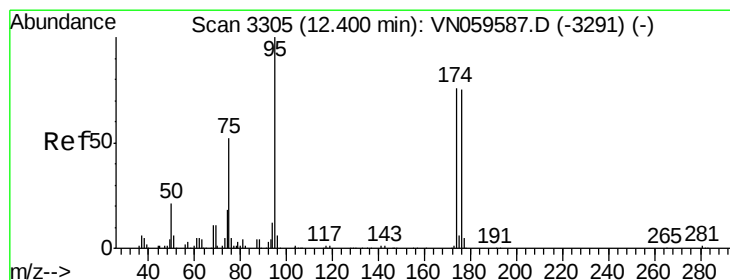
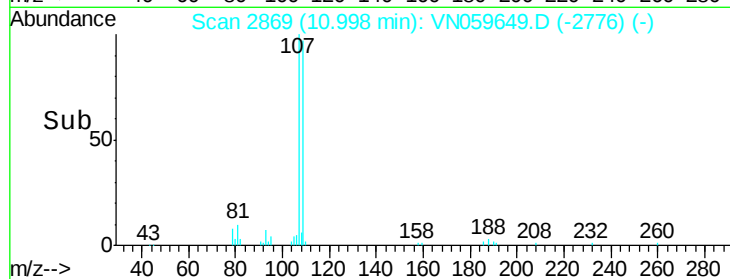
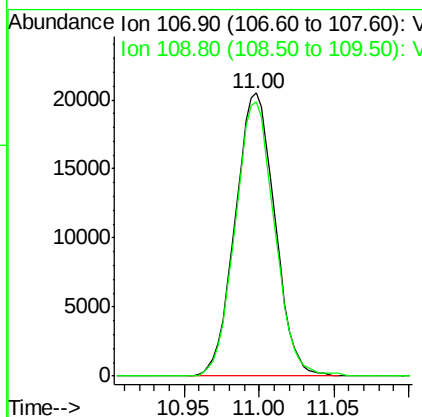
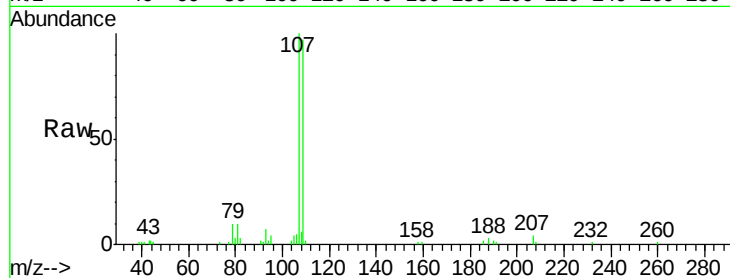
#61
 1,2-Dibromoethane
 Concen: 14.090 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	76.6	115.0

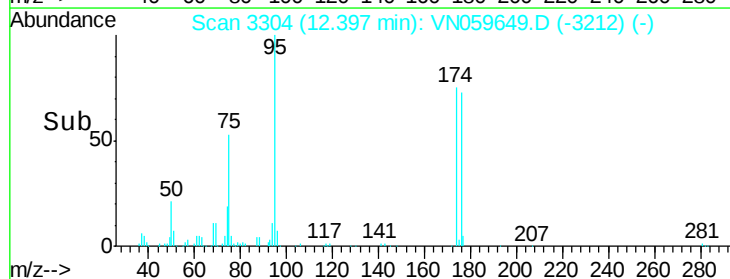
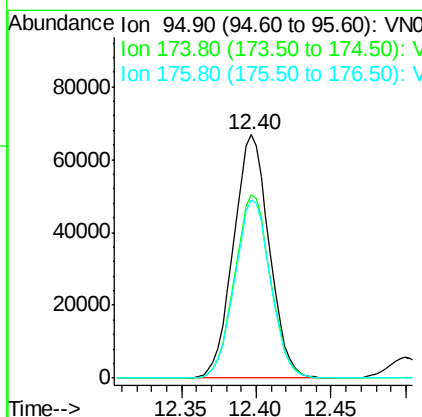
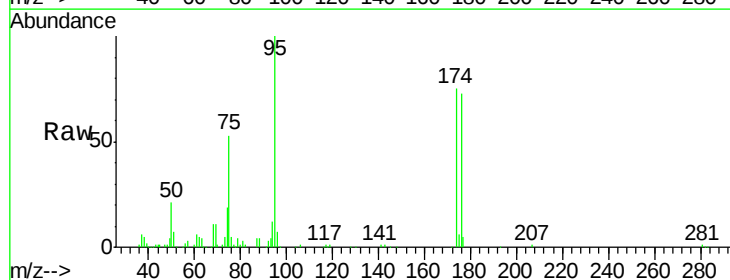
Manual Integrations
 APPROVED

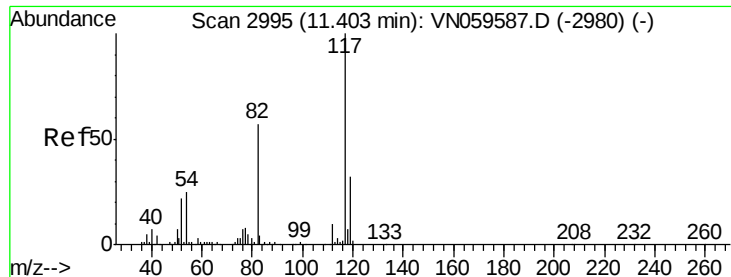
MMDadoda
 12/19/2019 11:11:43 AM



#62
 4-Bromofluorobenzene
 Concen: 35.684 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	151.4
176	73.6	0.0	146.0





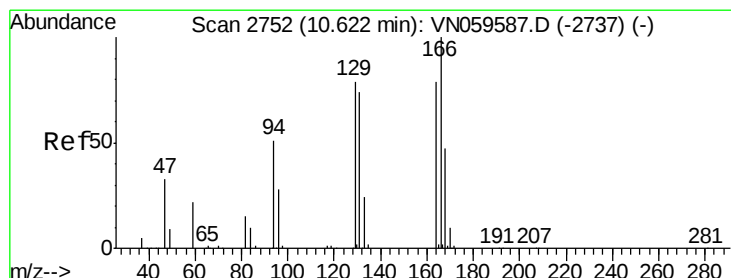
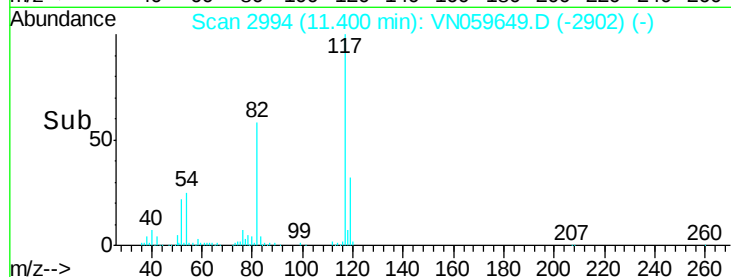
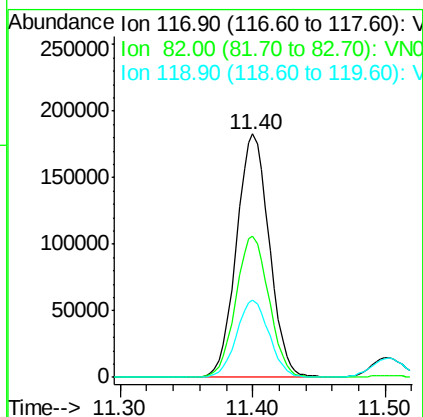
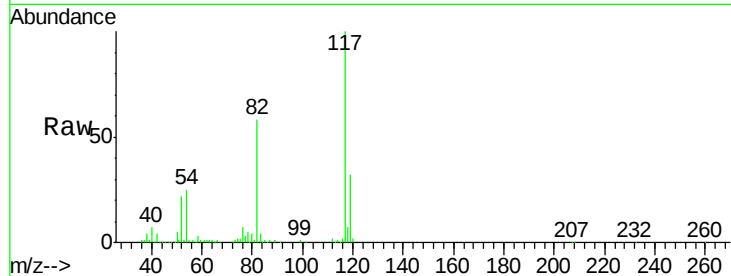
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.9	68.9
119	31.7	25.5	38.3

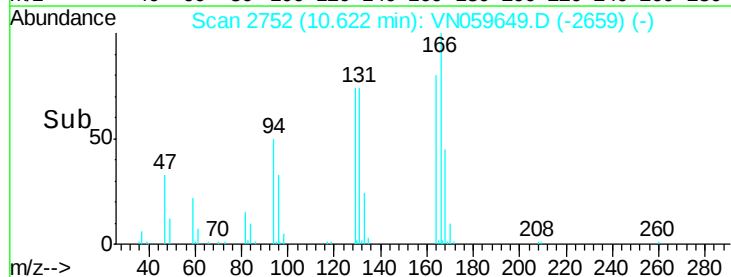
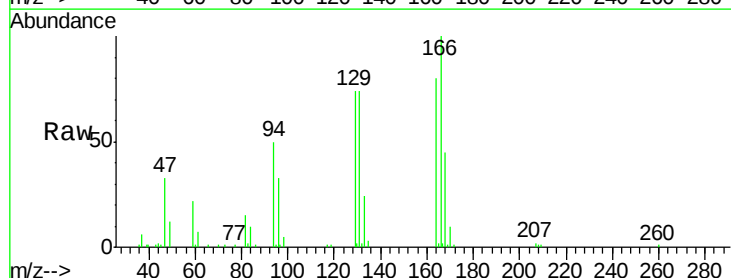
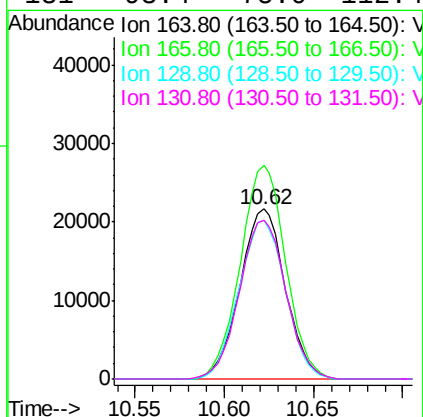
Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:11:43 AM



#64
Tetrachloroethene
Concen: 13.154 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	101.4	152.0
129	93.2	80.2	120.4
131	93.4	75.0	112.4





#65

Chlorobenzene

Concen: 14.591 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBS01

Tot Ion:112 Resp: 99252

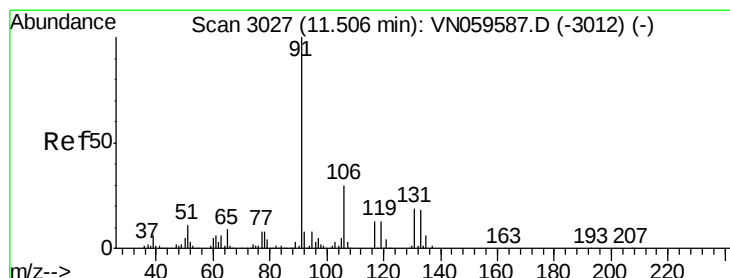
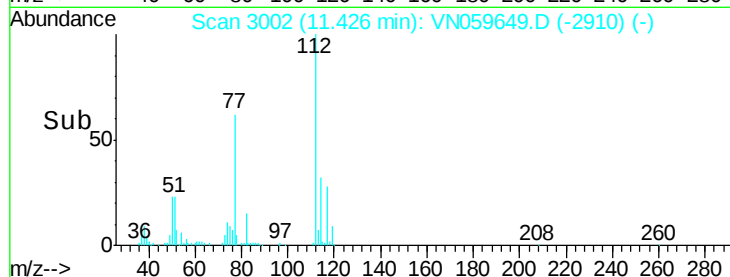
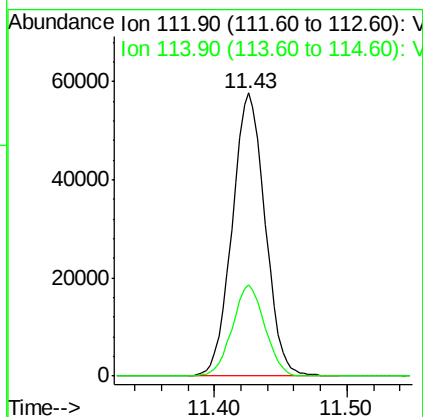
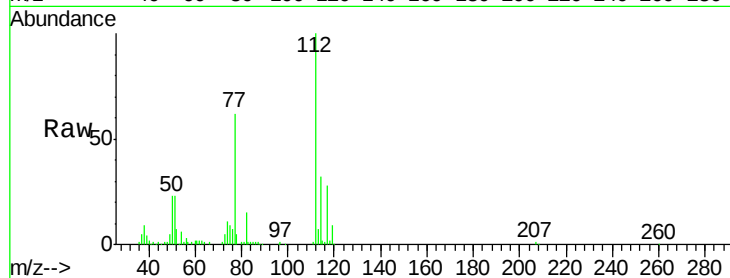
Ion Ratio Lower Upper

112 100

114 32.4 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:11:43 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 14.300 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.01 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

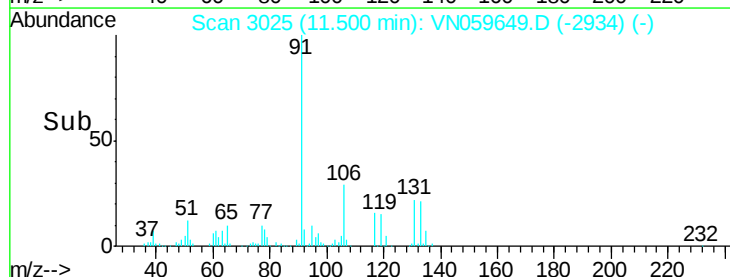
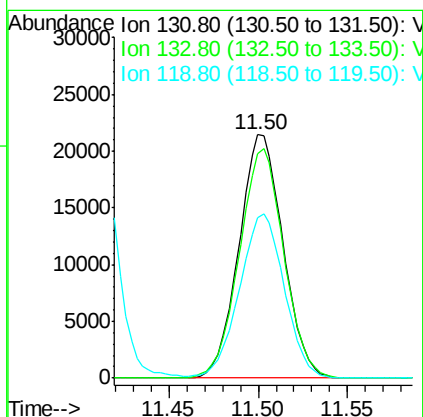
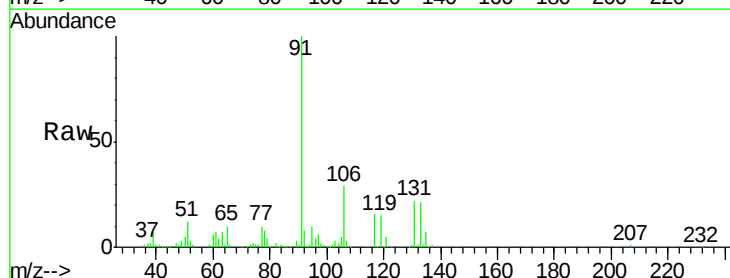
Tgt Ion:131 Resp: 36947

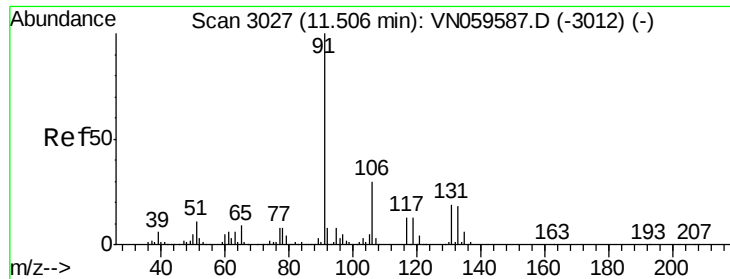
Ion Ratio Lower Upper

131 100

133 95.5 47.4 142.2

119 68.9 33.1 99.3





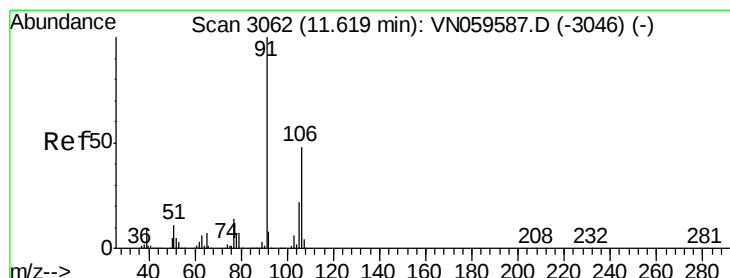
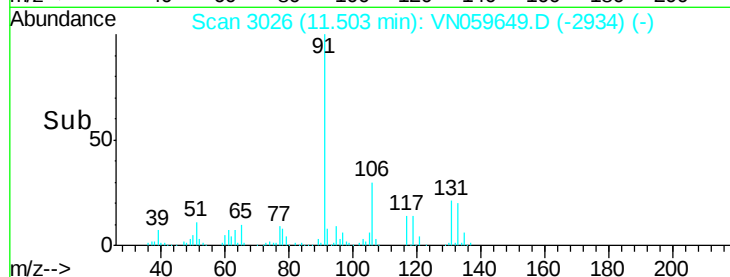
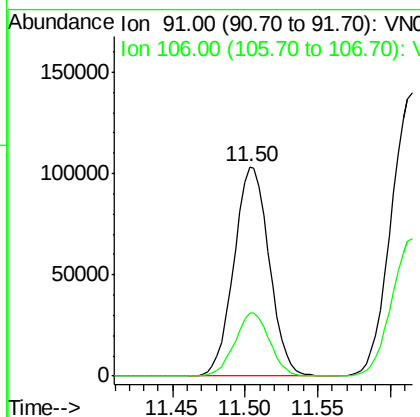
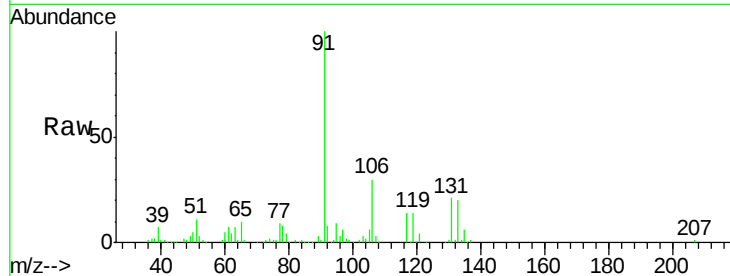
#67
Ethyl Benzene
Concen: 14.224 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion: 91 Resp: 174653
Ion Ratio Lower Upper
91 100
106 30.0 24.1 36.1

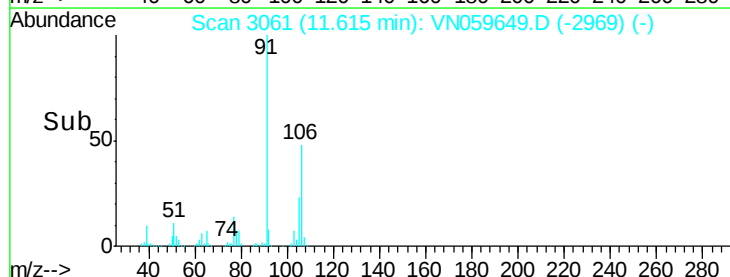
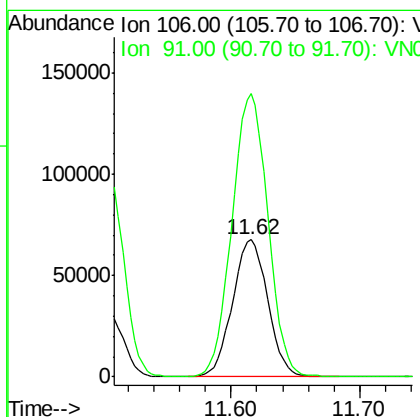
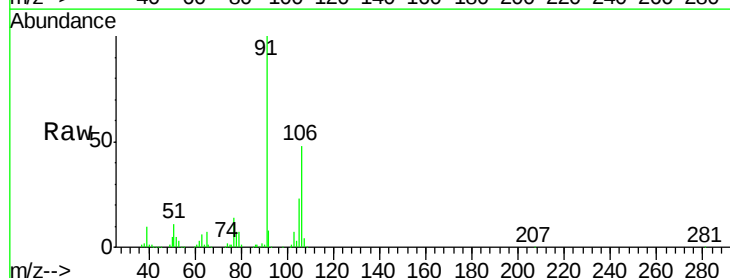
Manual Integrations
APPROVED

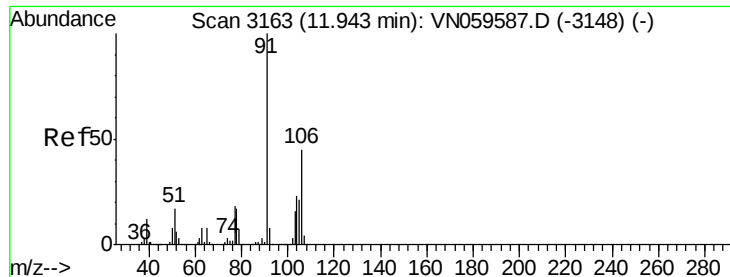
MMDadoda
12/19/2019 11:11:43 AM



#68
m/p-Xylenes
Concen: 28.323 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion: 106 Resp: 128418
Ion Ratio Lower Upper
106 100
91 210.0 167.9 251.9





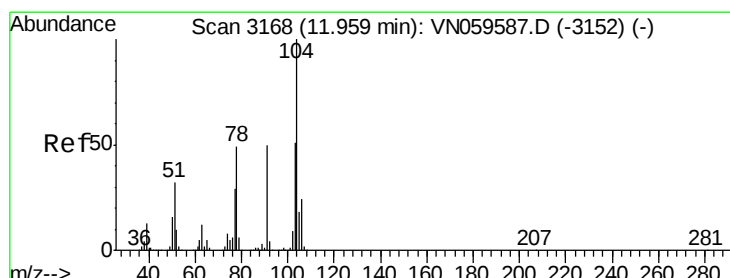
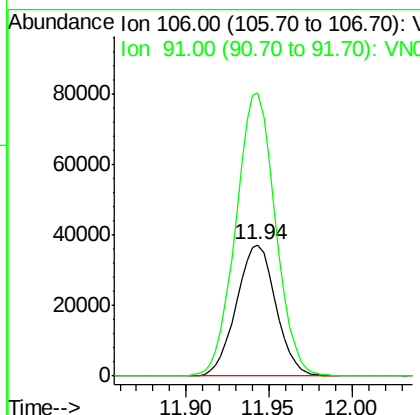
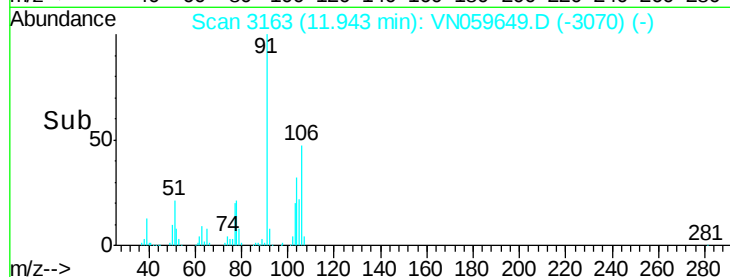
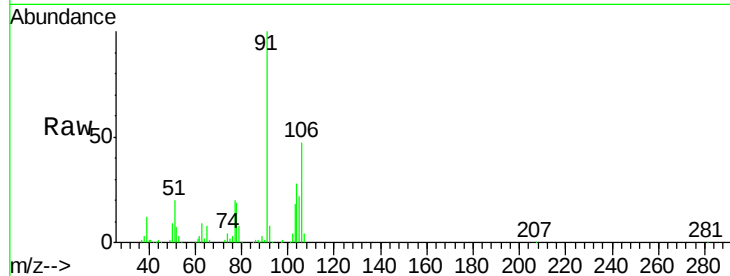
#69
o-Xylene
Concen: 14.311 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion:106 Resp: 61742
Ion Ratio Lower Upper
106 100
91 216.5 110.3 330.9

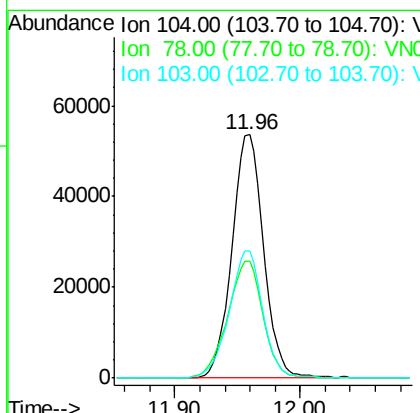
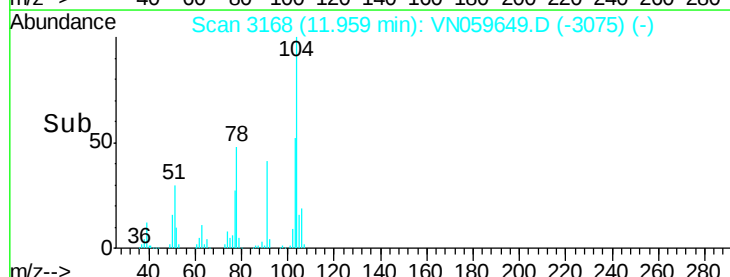
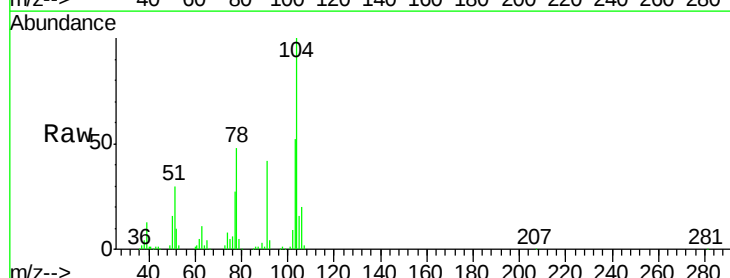
Manual Integrations
APPROVED

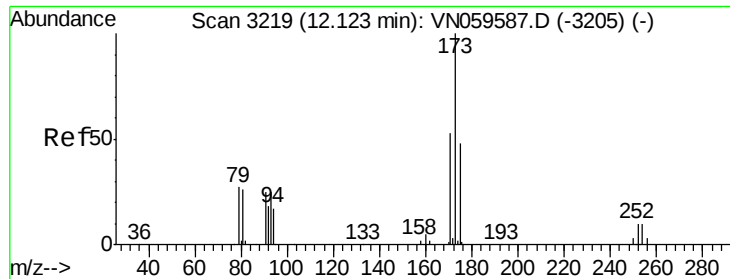
MMDadoda
12/19/2019 11:11:43 AM



#70
Styrene
Concen: 13.612 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion:104 Resp: 94350
Ion Ratio Lower Upper
104 100
78 53.6 42.4 63.6
103 55.3 43.9 65.9





#71

Bromoform

Concen: 13.876 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

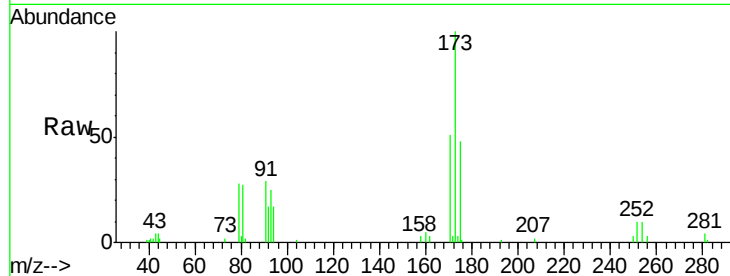
ClientSampleId :

VN1218WBS01

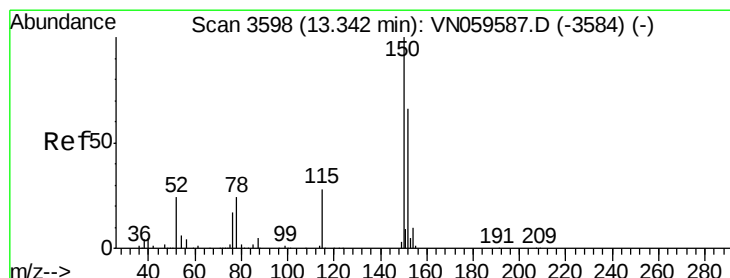
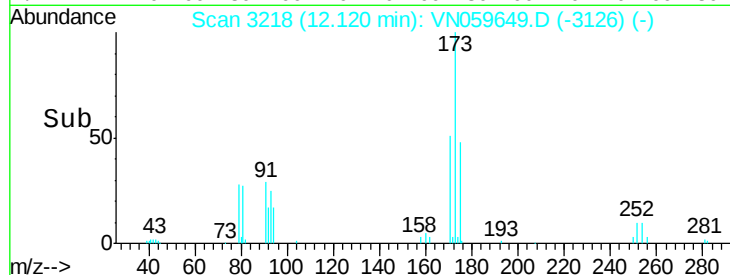
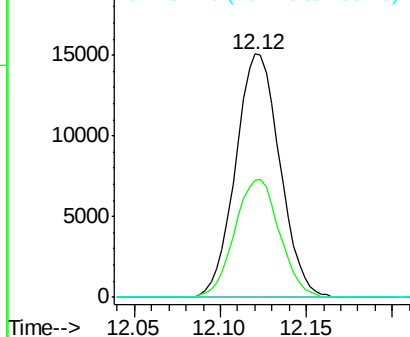
Tot Ion:	173	Resp:	26950
Ion Ratio	Lower	Upper	
173	100		
175	49.0	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:11:43 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

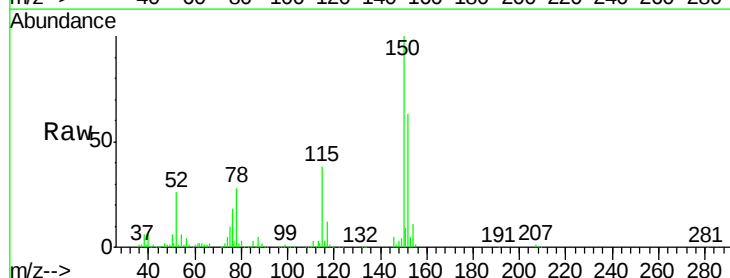
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

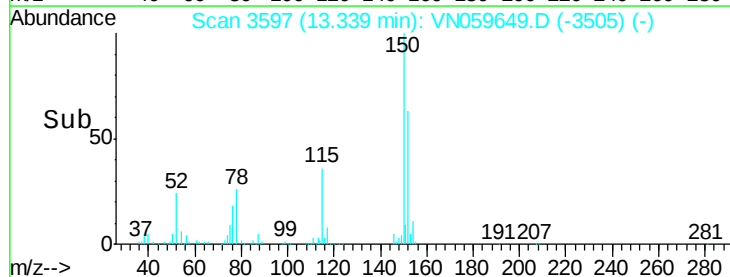
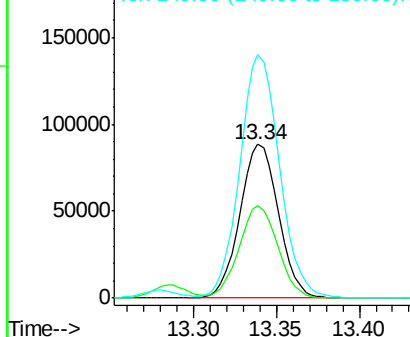
Lab File: VN059649.D

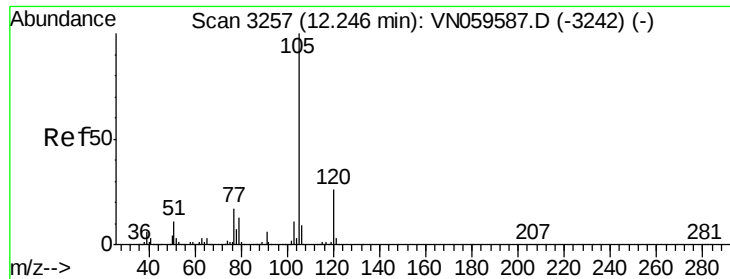
Acq: 18 Dec 2019 14:53

Tgt Ion:	152	Resp:	143682
Ion Ratio	Lower	Upper	
152	100		
115	60.6	30.3	90.9
150	162.6	0.0	345.2



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





#73

Isopropylbenzene

Concen: 14.282 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBS01

Tot Ion: 105 Resp: 161086

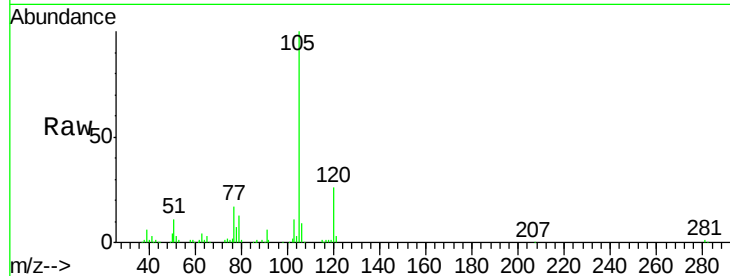
Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5

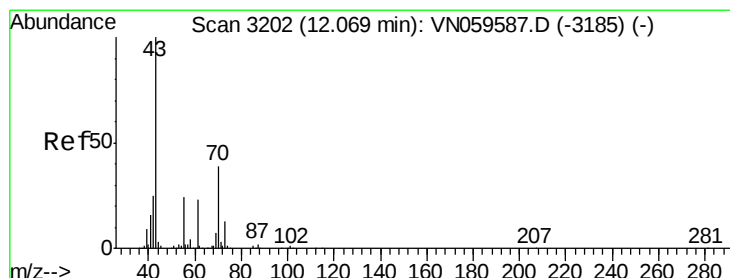
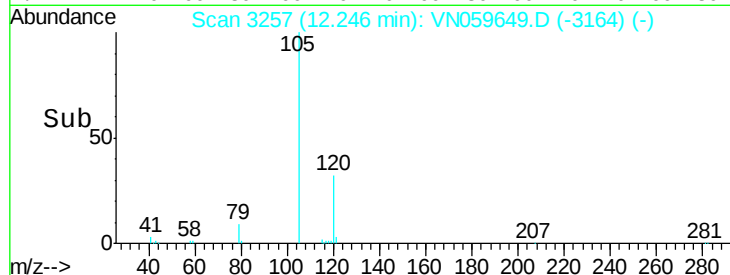
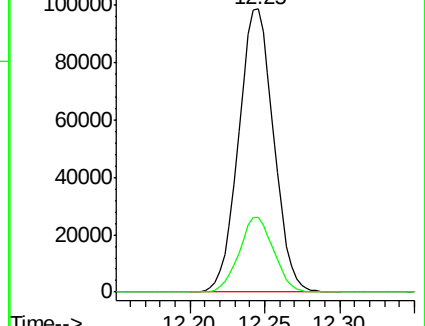
Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:11:43 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 13.282 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Tgt Ion: 43 Resp: 68716

Ion Ratio Lower Upper

43 100

70 40.0 31.3 46.9

55 26.0 19.8 29.6

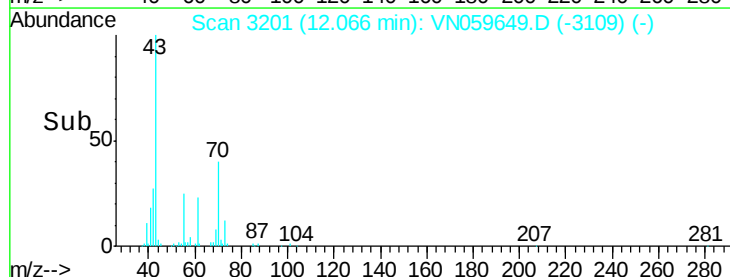
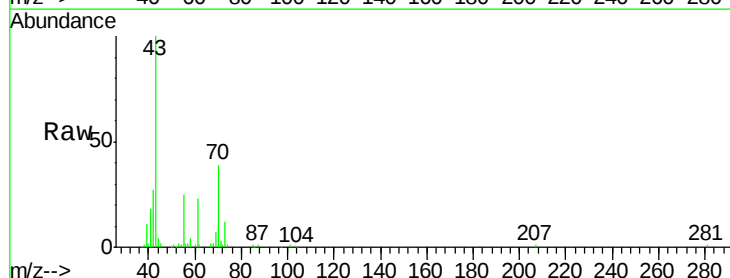
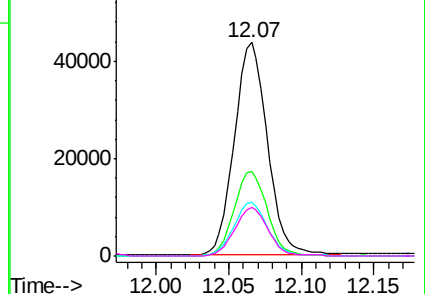
61 23.1 18.3 27.5

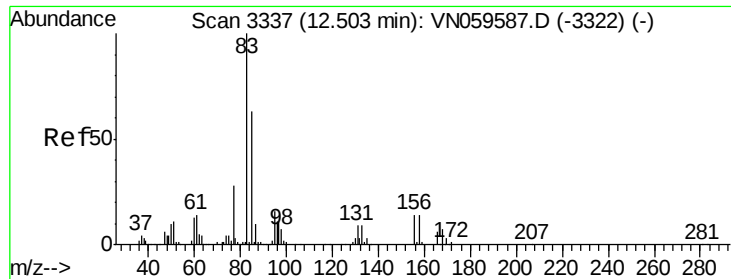
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 14.902 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

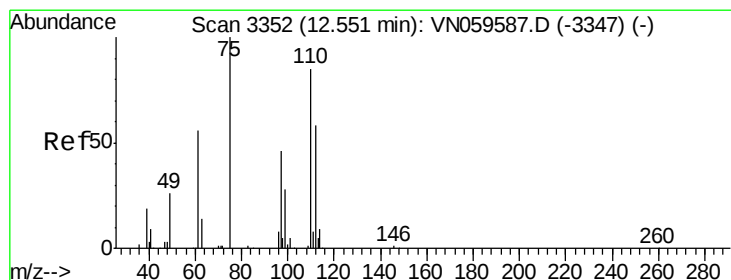
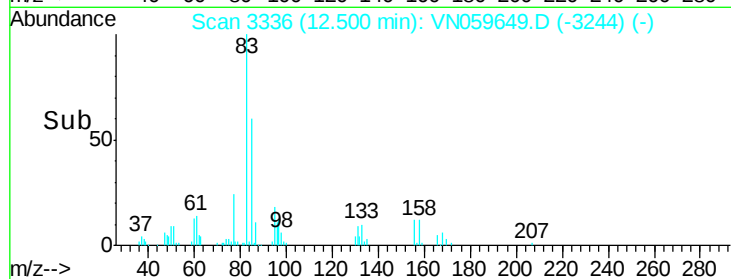
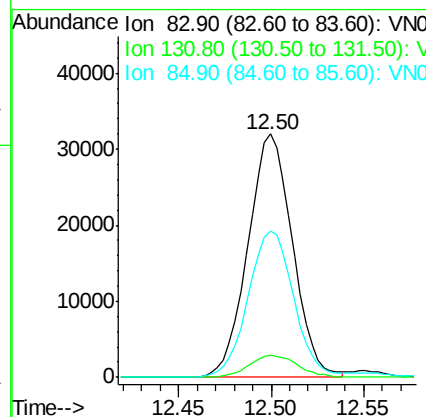
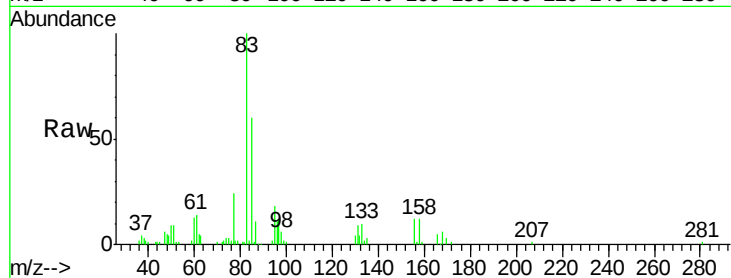
ClientSampleId :

VN1218WBS01

Tot Ion:	83	Resp:	53319
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	61.5	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:11:43 AM



#76

1,2,3-Trichloropropane

Concen: 15.010 ug/l m

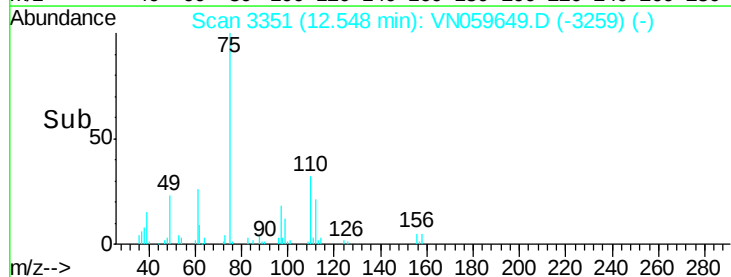
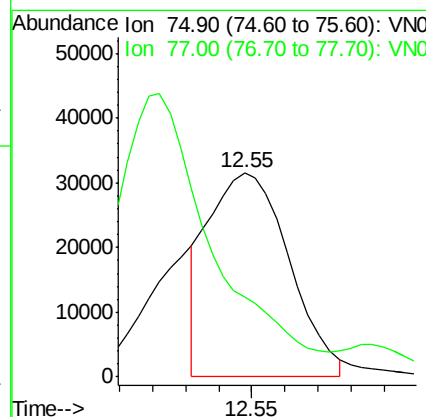
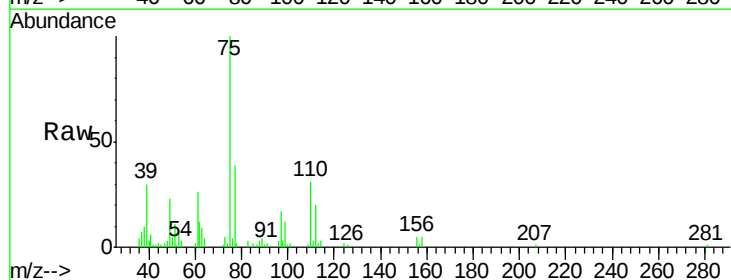
RT: 12.55 min Scan# 3351

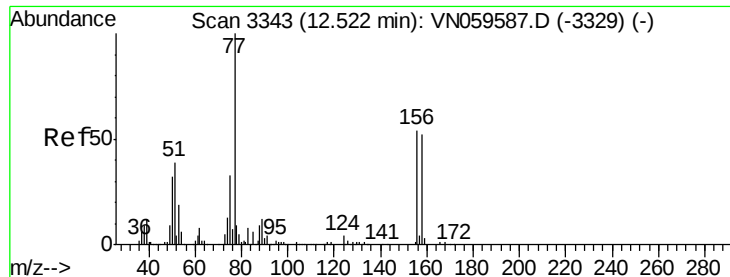
Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Tgt Ion:	75	Resp:	53390
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 14.083 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBS01

Tot Ion:156 Resp: 39063

Ion Ratio Lower Upper

156 100

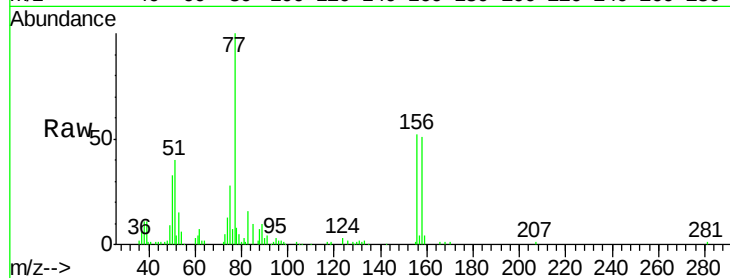
77 235.3 115.8 347.4

158 100.1 49.2 147.6

Manual Integrations
APPROVED

MMDadoda

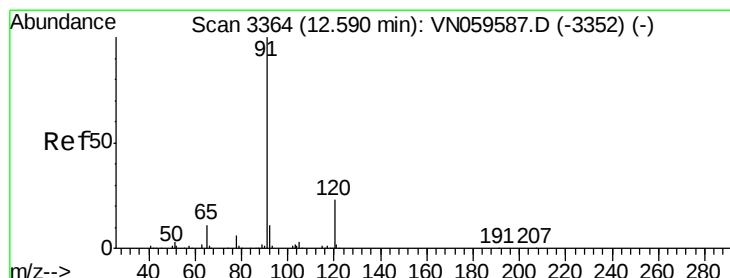
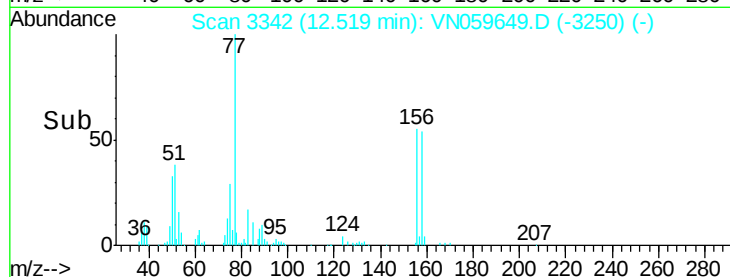
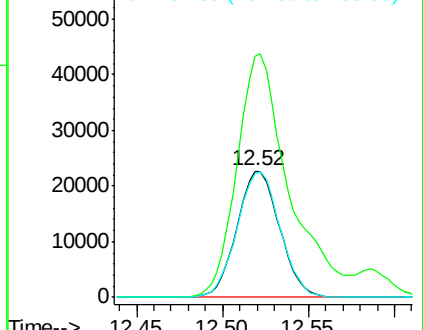
12/19/2019 11:11:43 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 14.425 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059649.D

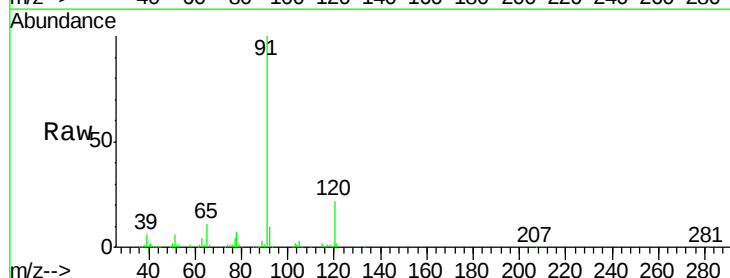
Acq: 18 Dec 2019 14:53

Tgt Ion: 91 Resp: 192331

Ion Ratio Lower Upper

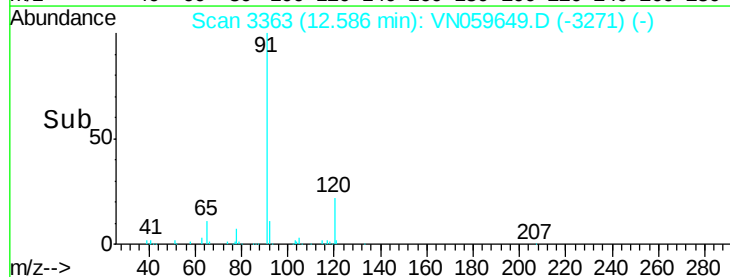
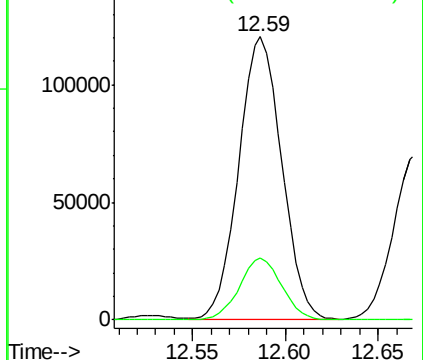
91 100

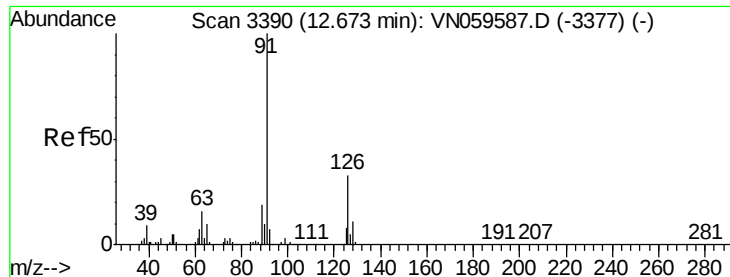
120 21.6 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 14.176 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBS01

Tot Ion: 91 Resp: 114292

Ion Ratio Lower Upper

91 100

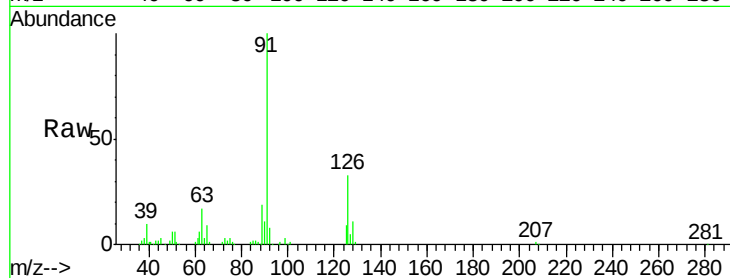
126 33.6 16.3 48.9

Manual Integrations

APPROVED

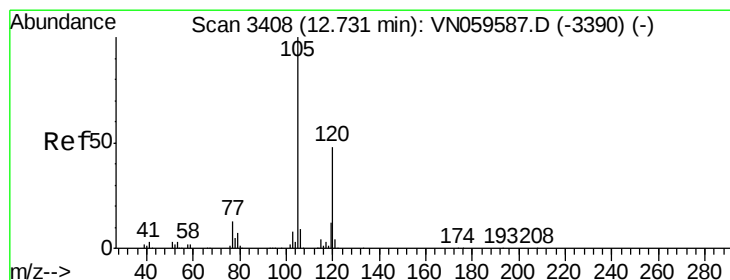
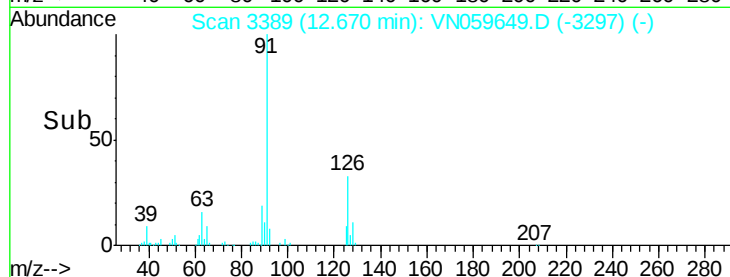
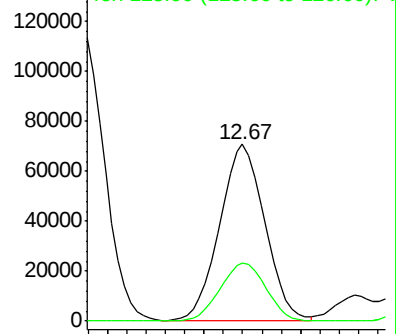
MMDadoda

12/19/2019 11:11:43 AM



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 14.382 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN059649.D

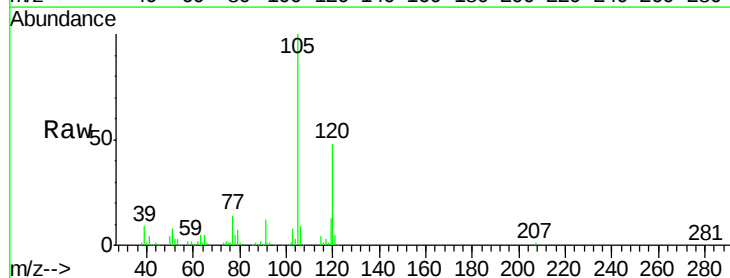
Acq: 18 Dec 2019 14:53

Tgt Ion: 105 Resp: 137279

Ion Ratio Lower Upper

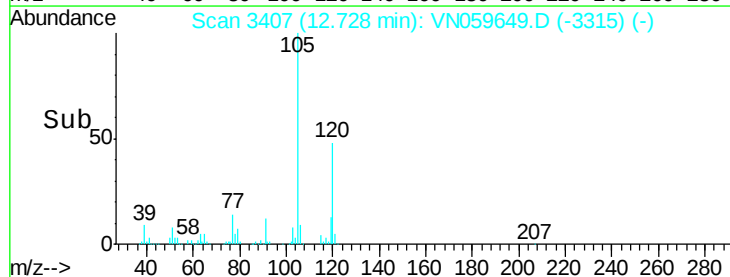
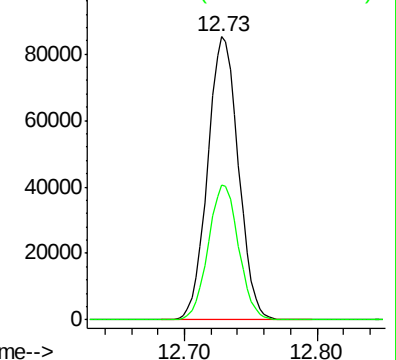
105 100

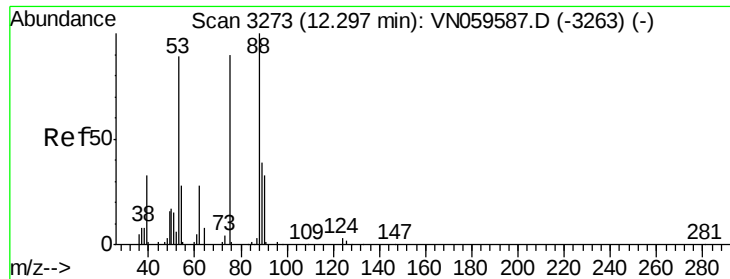
120 47.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 13.215 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

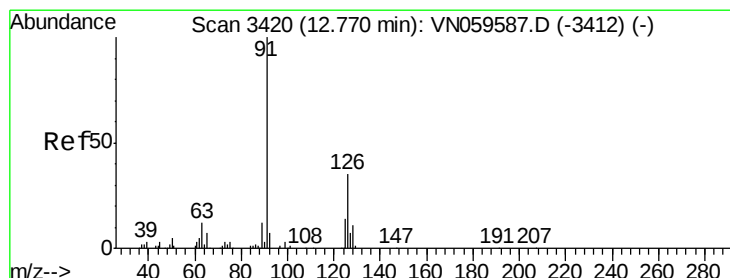
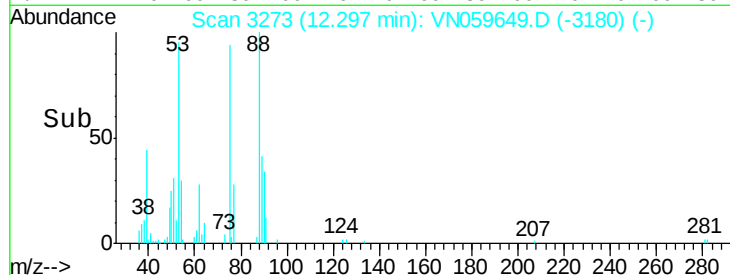
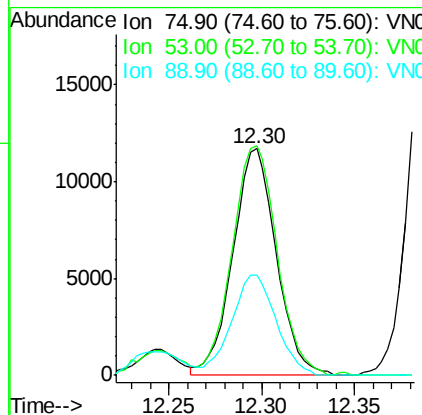
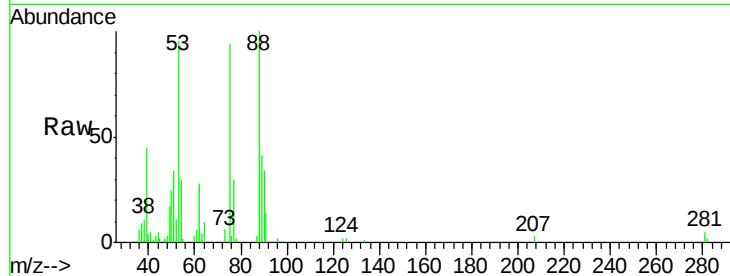
ClientSampleId :

VN1218WBS01

Tot Ion:	75	Resp:	19031
Ion Ratio	Lower	Upper	
75	100		
53	104.6	78.1	117.1
89	45.5	35.4	53.2

Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:11:43 AM



#82

4-Chlorotoluene

Concen: 14.155 ug/l

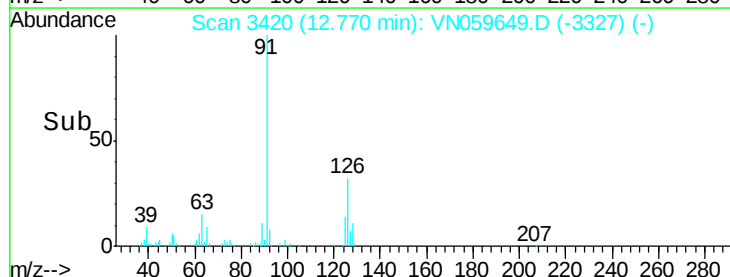
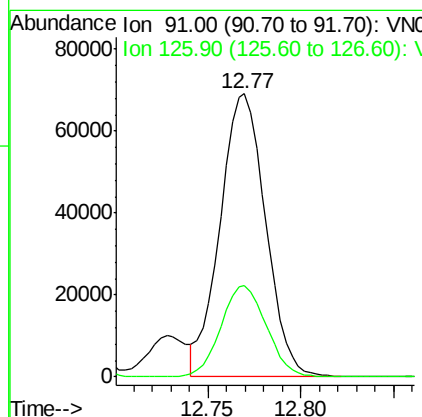
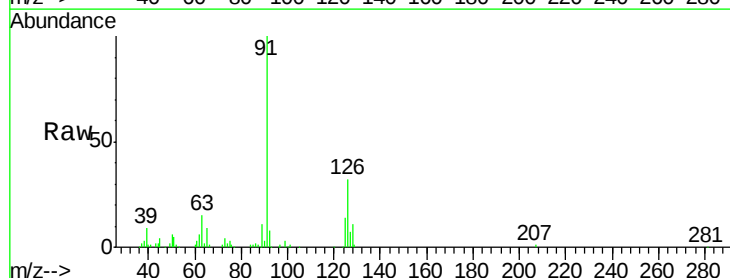
RT: 12.77 min Scan# 3420

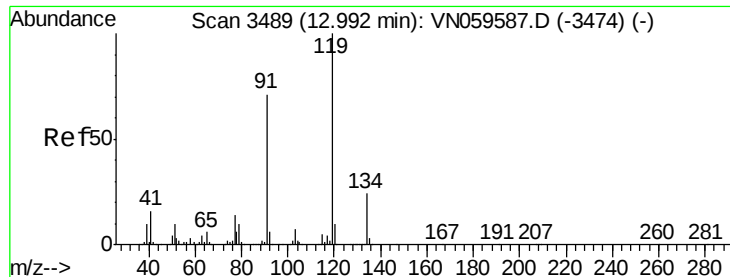
Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Tgt Ion:	91	Resp:	116844
Ion Ratio	Lower	Upper	
91	100		
126	32.5	16.3	48.8





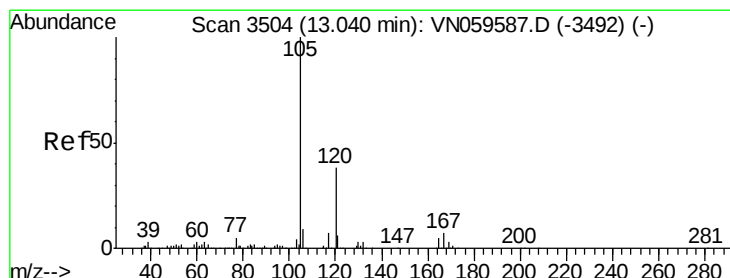
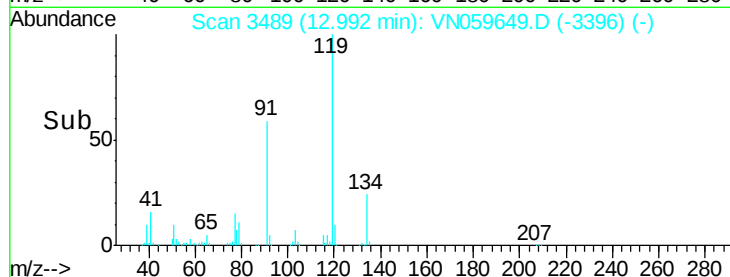
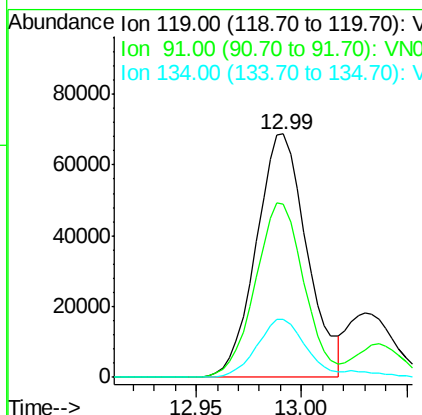
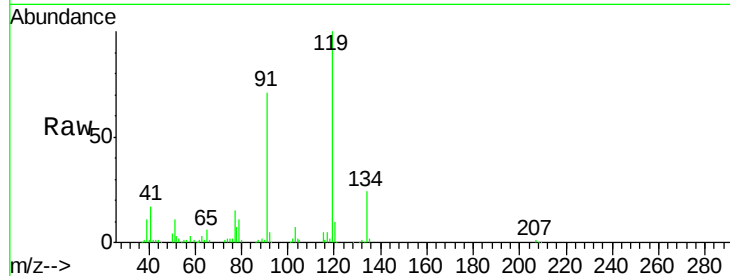
#83
tert-Butylbenzene
Concen: 14.242 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.8	104.4
134	23.0	12.3	36.9

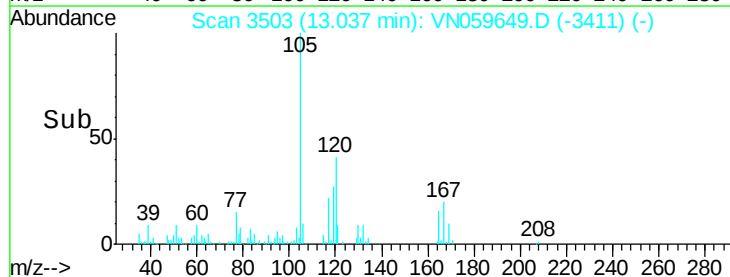
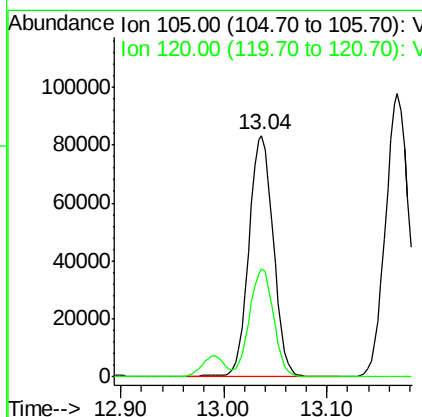
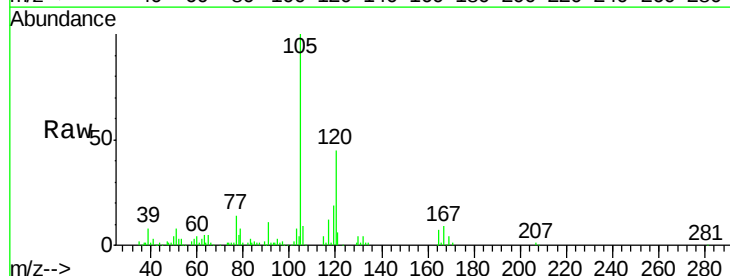
Manual Integrations
APPROVED

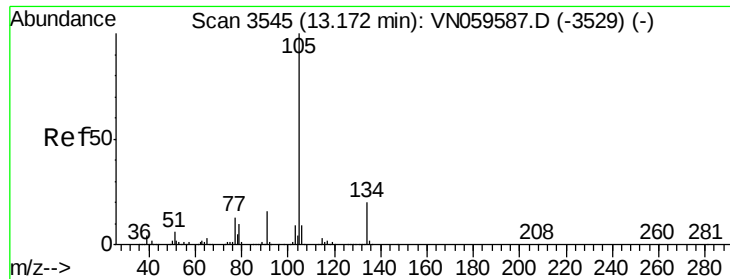
MMDadoda
12/19/2019 11:11:43 AM



#84
1,2,4-Trimethylbenzene
Concen: 14.421 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.9





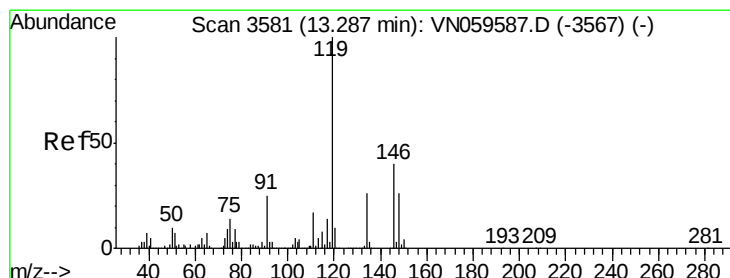
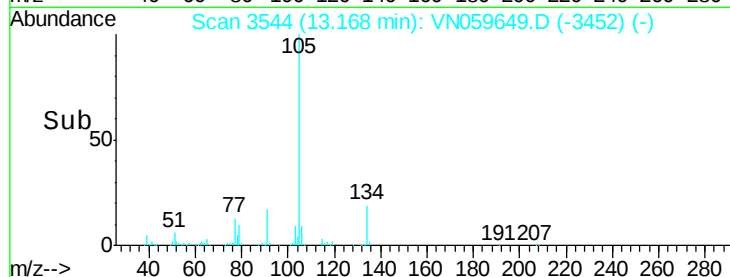
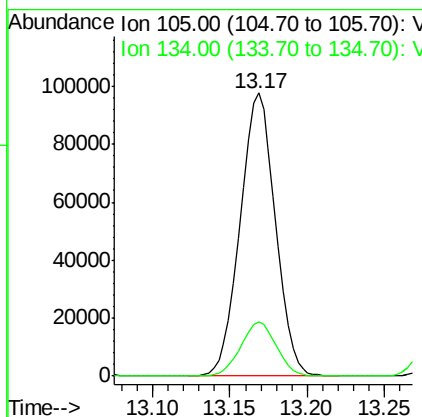
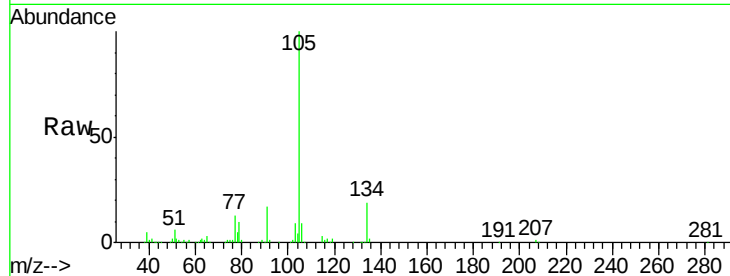
#85
 sec-Butylbenzene
 Concen: 14.372 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	154532		
134	19.4	9.8	29.5	

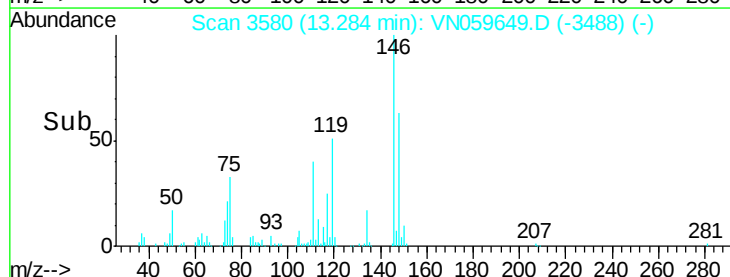
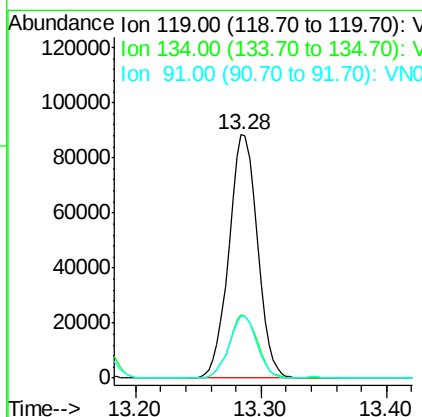
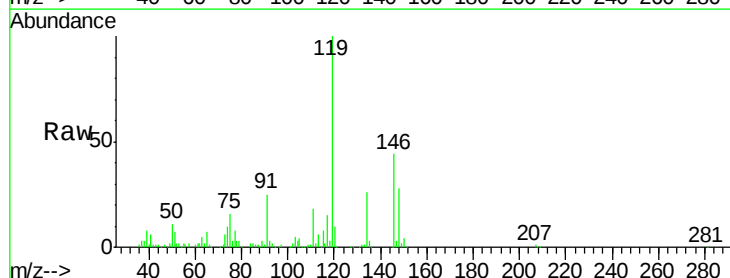
Manual Integrations
 APPROVED

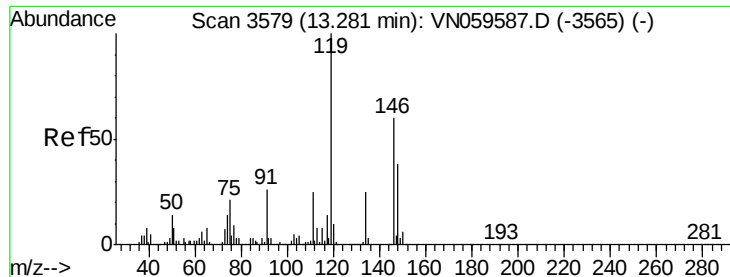
MMDadoda
 12/19/2019 11:11:43 AM



#86
 p-Isopropyltoluene
 Concen: 14.394 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	140177		
134	25.6	12.9	38.7	
91	24.7	12.4	37.4	





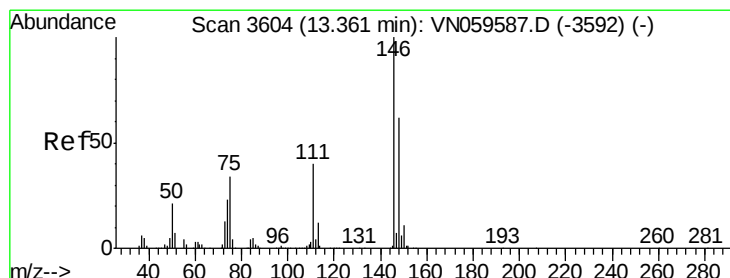
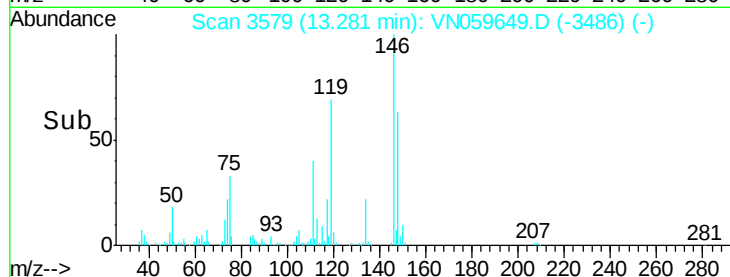
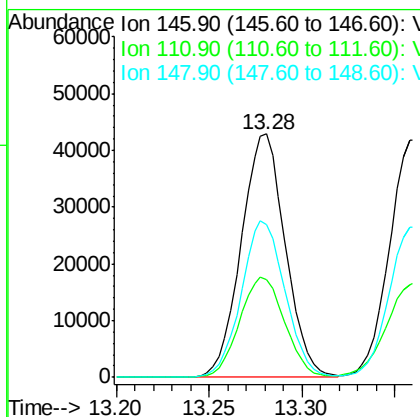
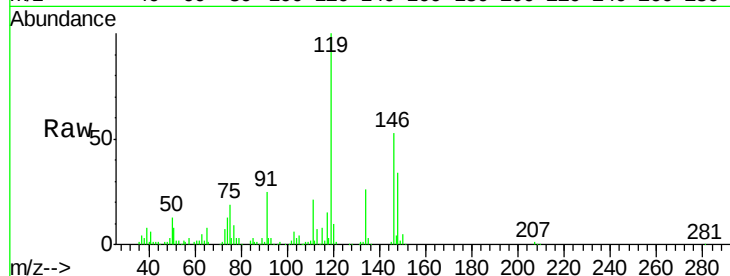
#87
 1,3-Dichlorobenzene
 Concen: 13.887 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.8	62.2
148	63.7	32.0	96.0

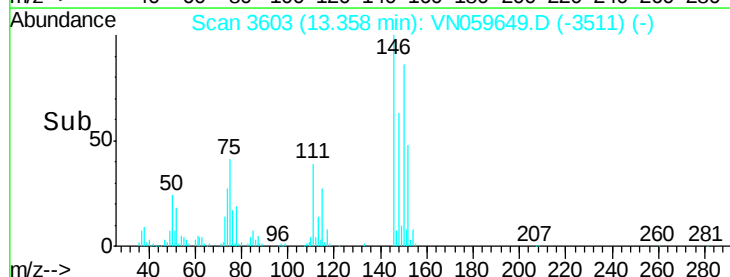
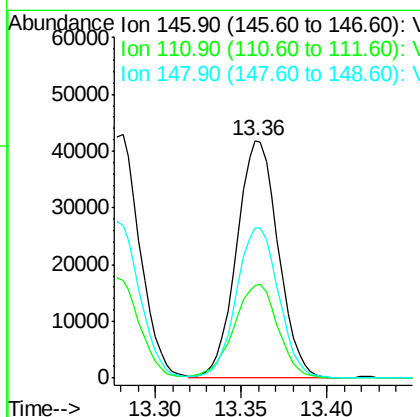
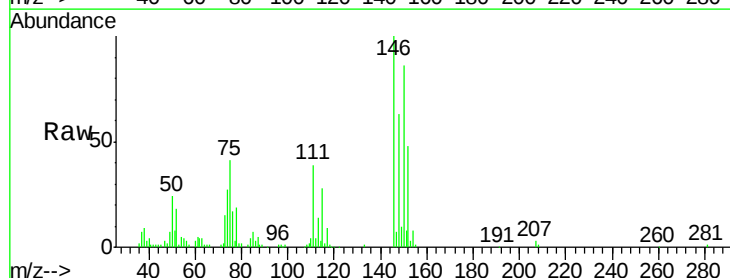
Manual Integrations
 APPROVED

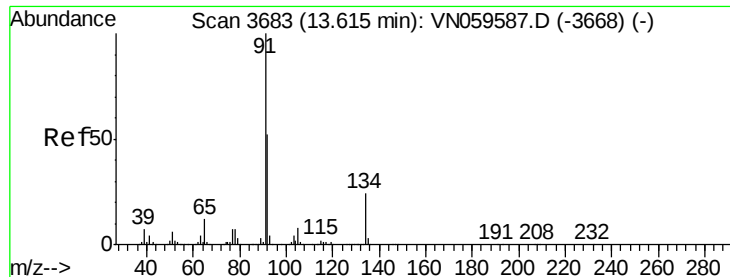
MMDadoda
 12/19/2019 11:11:43 AM



#88
 1,4-Dichlorobenzene
 Concen: 13.723 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.2
148	64.5	31.8	95.4





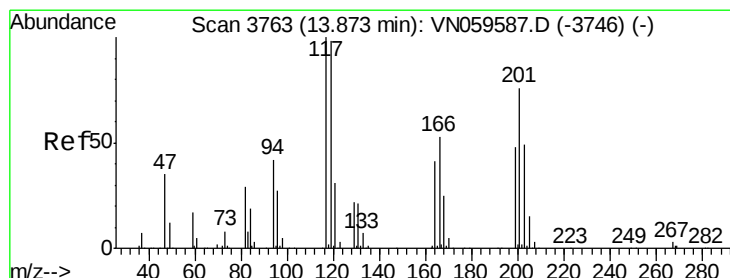
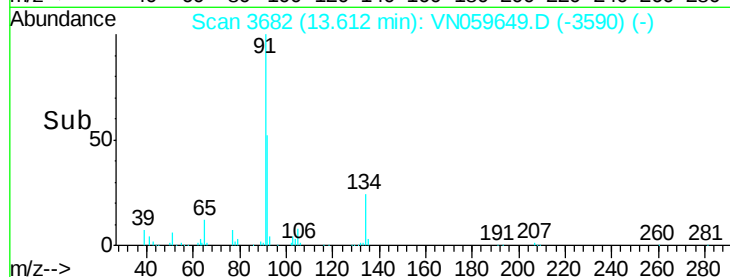
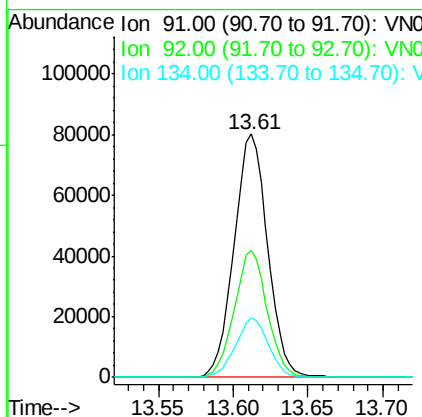
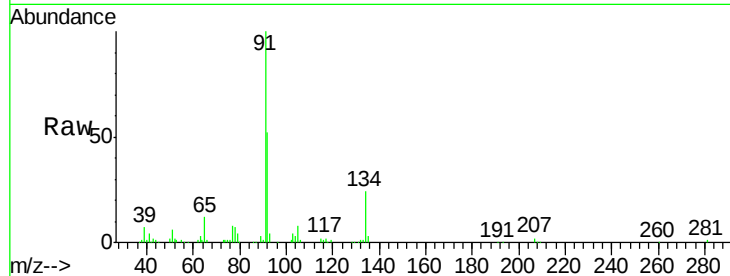
#89
n-Butylbenzene
Concen: 13.707 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.9	77.7
134	23.9	12.3	36.8

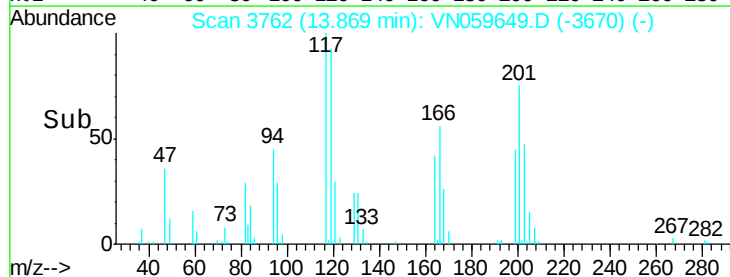
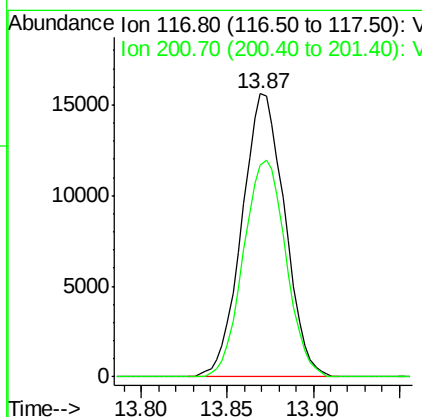
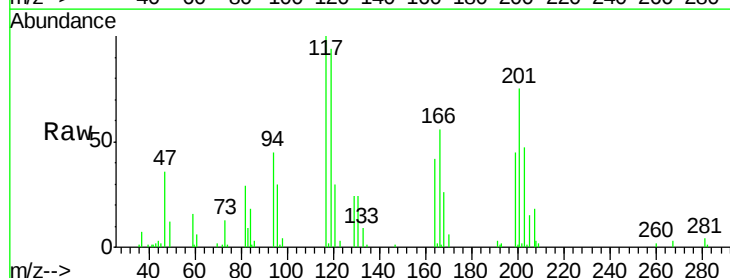
Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:11:43 AM



#90
Hexachloroethane
Concen: 14.669 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.7	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 13.760 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

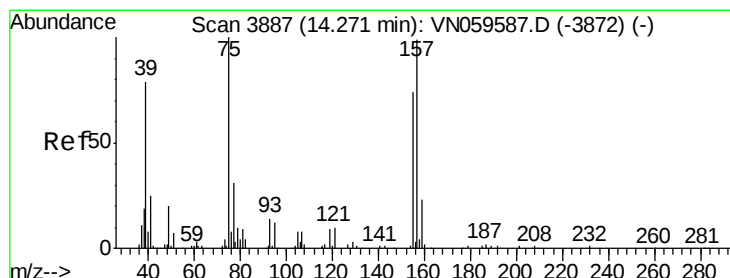
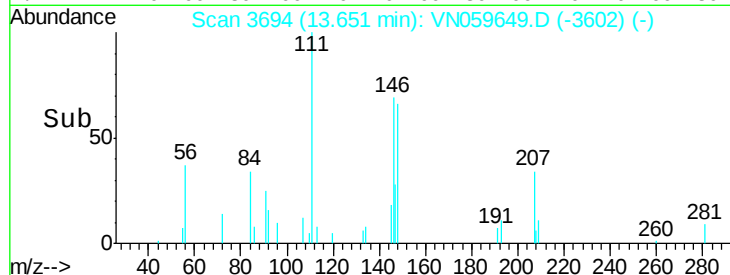
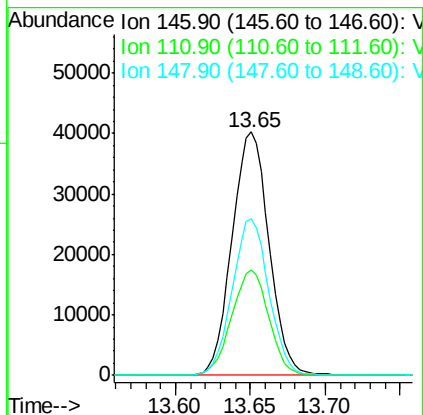
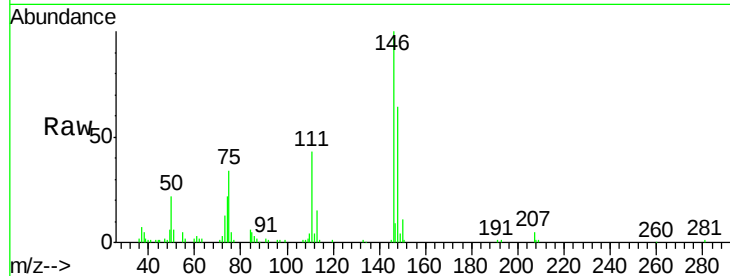
ClientSampleId :

VN1218WBS01

Tot Ion:	146	Resp:	69215
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.6	64.8
148	63.7	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:11:43 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 14.032 ug/l

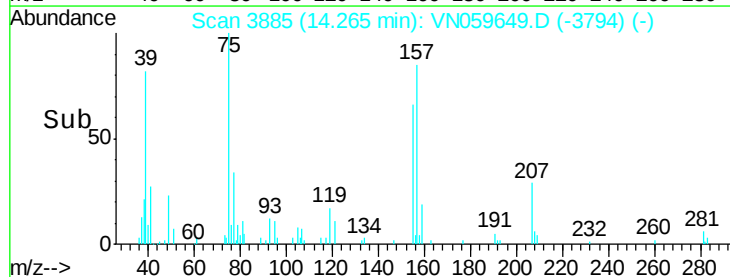
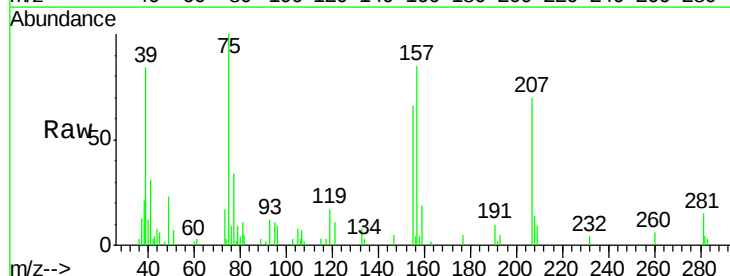
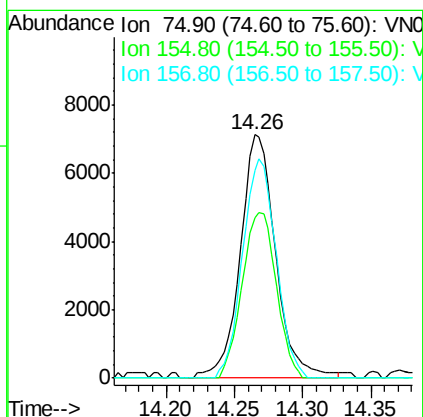
RT: 14.26 min Scan# 3885

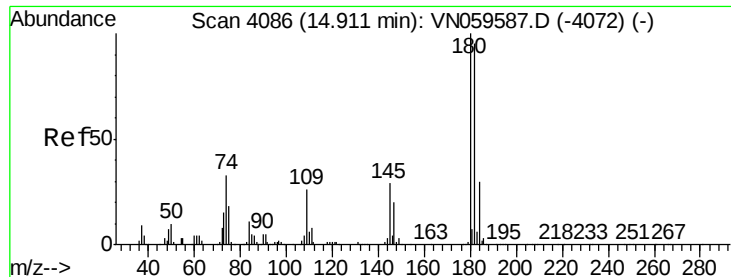
Delta R.T. -0.01 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Tgt Ion:	75	Resp:	12871
Ion Ratio	Lower	Upper	
75	100		
155	65.4	37.0	110.9
157	85.1	48.4	145.2





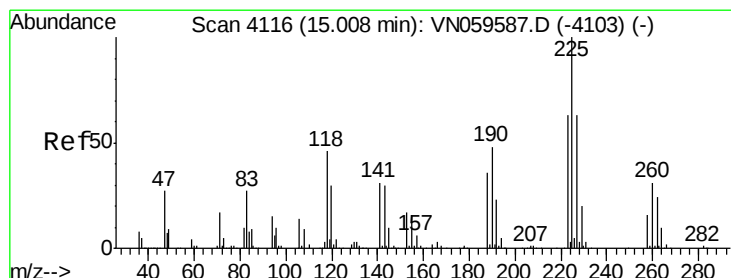
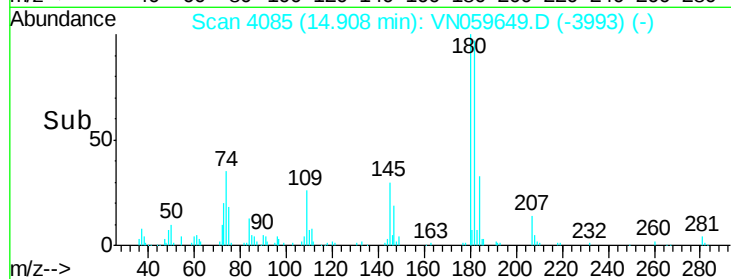
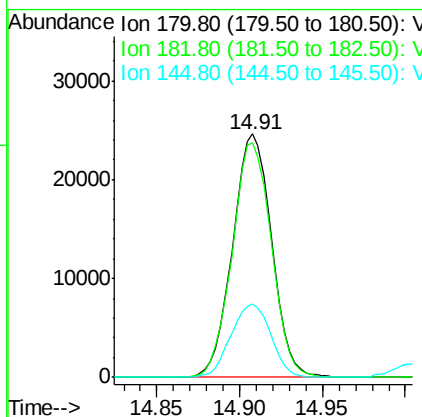
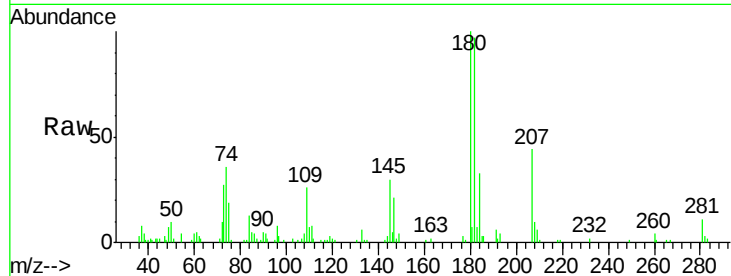
#93
 1,2,4-Trichlorobenzene
 Concen: 12.405 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	46.9	140.7
145	30.7	15.0	45.1

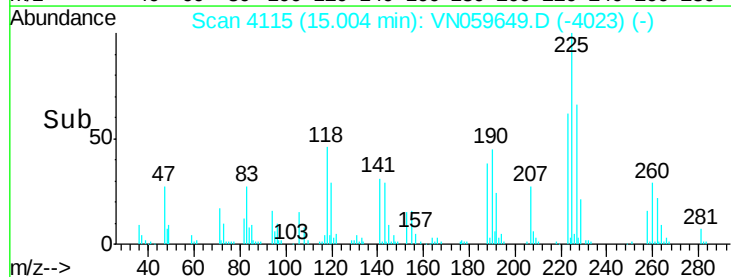
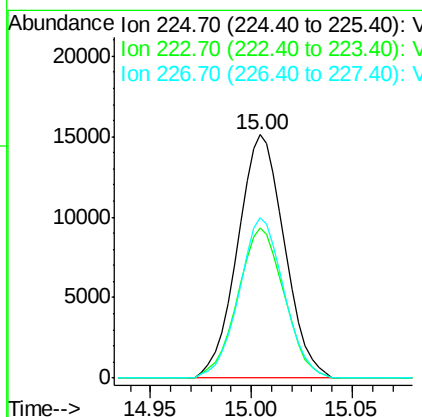
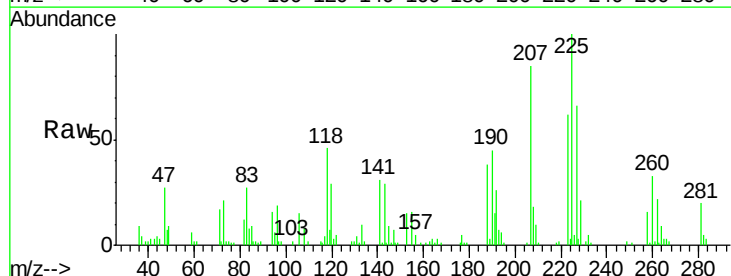
Manual Integrations
 APPROVED

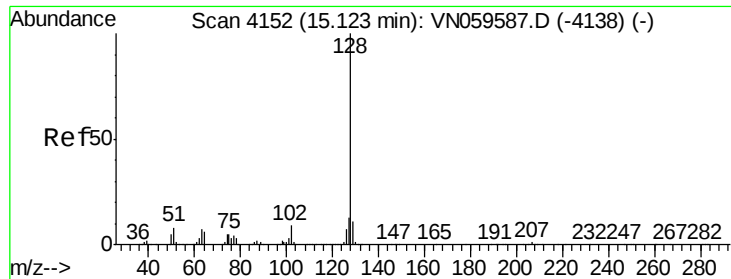
MMDadoda
 12/19/2019 11:11:43 AM



#94
 Hexachlorobutadiene
 Concen: 15.062 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.8	95.3
227	63.0	32.1	96.5





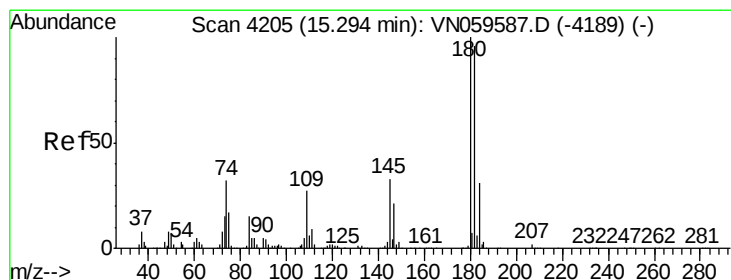
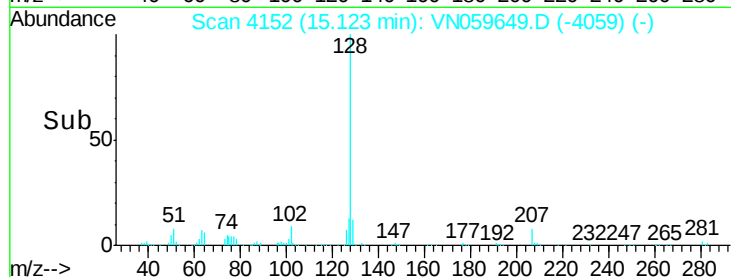
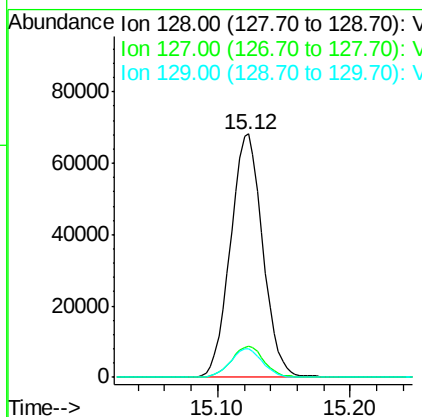
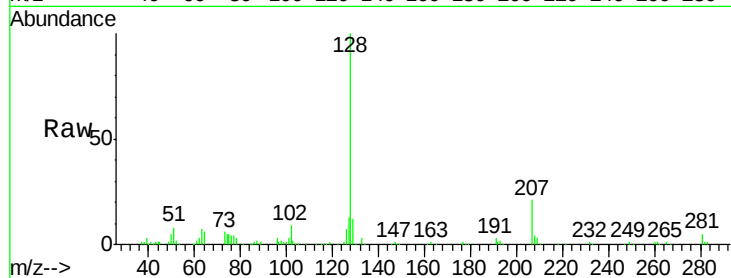
#95
Naphthalene
Concen: 11.895 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:11:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 12.470 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.3
145	32.5	16.3	48.9

