

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103119\
 Data File : VN059046.D
 Acq On : 31 Oct 2019 17:50
 Operator : JC/SP
 Sample : K5626-08MS
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS003MW331-191030MS

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 7:04:12 AM

Quant Time: Nov 01 03:27:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	383719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	602774	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	568328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	281676	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	276206	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
35) Dibromofluoromethane	7.57	113	211776	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	10.08	98	787760	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.41	95	302314	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	198934	41.581	ug/l	100
3) Chloromethane	2.04	50	252378	42.593	ug/l	99
4) Vinyl Chloride	2.17	62	264574	44.971	ug/l	98
5) Bromomethane	2.53	94	105674	28.683	ug/l	97
6) Chloroethane	2.68	64	164319	43.553	ug/l	99
7) Trichlorofluoromethane	2.99	101	335785	46.127	ug/l	98
8) Diethyl Ether	3.39	74	129149	51.339	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	194351	48.159	ug/l	98
10) Methyl Iodide	3.93	142	183632	34.597	ug/l	98
11) Tert butyl alcohol	4.76	59	240254	257.254	ug/l	99
12) 1,1-Dichloroethene	3.71	96	180596	47.742	ug/l	98
13) Acrolein	3.58	56	119273	185.871	ug/l	96
14) Allyl chloride	4.30	41	378155	49.403	ug/l	96
15) Acrylonitrile	4.96	53	657025	279.683	ug/l	99
16) Acetone	3.79	43	558446	200.812	ug/l	98
17) Carbon Disulfide	4.03	76	491730	40.354	ug/l	100
18) Methyl Acetate	4.30	43	351549	55.603	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	705926	53.295	ug/l	98
20) Methylene Chloride	4.53	84	224685	47.317	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	199878	47.846	ug/l	97
22) Diisopropyl ether	5.93	45	799230	53.381	ug/l	96
23) Vinyl Acetate	5.87	43	3333787	277.148	ug/l	99
24) 1,1-Dichloroethane	5.82	63	427960	49.296	ug/l	99
25) 2-Butanone	6.81	43	892268	247.168	ug/l	99
26) 2,2-Dichloropropane	6.80	77	350456	46.670	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	239813	50.252	ug/l	98
28) Bromochloromethane	7.18	49	142278	49.210	ug/l	99
29) Tetrahydrofuran	7.19	42	600177	271.778	ug/l	99
30) Chloroform	7.35	83	418586	48.067	ug/l	100
31) Cyclohexane	7.63	56	357067	44.149	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	356876	48.619	ug/l	98
36) 1,1-Dichloropropene	7.77	75	302996	49.099	ug/l	99
37) Ethyl Acetate	6.91	43	368649	54.824	ug/l	98
38) Carbon Tetrachloride	7.75	117	308177	48.475	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103119\
 Data File : VN059046.D
 Acq On : 31 Oct 2019 17:50
 Operator : JC/SP
 Sample : K5626-08MS
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS003MW331-191030MS

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 7:04:12 AM

Quant Time: Nov 01 03:27:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	335010	48.347	ug/l	100
40) Benzene	8.02	78	921283	50.839	ug/l	99
41) Methacrylonitrile	7.15	41	149566m	49.942	ug/l	
42) 1,2-Dichloroethane	8.11	62	340928	48.839	ug/l	99
43) Isopropyl Acetate	8.15	43	587864	54.512	ug/l	100
44) Trichloroethene	8.82	130	216703	49.091	ug/l	98
45) 1,2-Dichloropropane	9.11	63	261686	52.662	ug/l	99
46) Dibromomethane	9.20	93	160879	51.213	ug/l	97
47) Bromodichloromethane	9.39	83	336336	51.947	ug/l	100
48) Methyl methacrylate	9.19	41	273193	55.836	ug/l	96
49) 1,4-Dioxane	9.19	88	89907	1119.378	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1879615	298.402	ug/l	98
52) Toluene	10.15	92	568863	52.936	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	381279	53.195	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	392738	51.287	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	234201	52.903	ug/l	98
56) Ethyl methacrylate	10.43	69	377101	50.681	ug/l	96
57) 1,3-Dichloropropane	10.71	76	410719	52.861	ug/l	100
59) 2-Hexanone	10.75	43	1417246	291.171	ug/l	97
60) Dibromochloromethane	10.90	129	262342	55.056	ug/l	99
61) 1,2-Dibromoethane	11.00	107	243241	53.690	ug/l	100
64) Tetrachloroethene	10.63	164	181743	45.662	ug/l	98
65) Chlorobenzene	11.43	112	622477	53.799	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	232902	53.342	ug/l	99
67) Ethyl Benzene	11.51	91	1106863	54.533	ug/l	98
68) m/p-Xylenes	11.62	106	821719	109.168	ug/l	99
69) o-Xylene	11.95	106	393997	54.883	ug/l	98
70) Styrene	11.97	104	659599	49.784	ug/l	100
71) Bromoform	12.13	173	193584	57.177	ug/l #	97
73) Isopropylbenzene	12.25	105	1068735	51.918	ug/l	99
74) N-amyl acetate	12.07	43	518065	55.512	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	387790	53.575	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	346193m	53.031	ug/l	
77) Bromobenzene	12.53	156	263238	51.881	ug/l	96
78) n-propylbenzene	12.60	91	1276511	52.461	ug/l	100
79) 2-Chlorotoluene	12.68	91	761229	51.115	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	918042	53.080	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	132062	52.700	ug/l	96
82) 4-Chlorotoluene	12.78	91	783702	51.495	ug/l	99
83) tert-Butylbenzene	13.00	119	777931	52.599	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	917290	53.771	ug/l	99
85) sec-Butylbenzene	13.18	105	1048286	53.162	ug/l	98
86) p-Isopropyltoluene	13.30	119	943125	54.207	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	471683	51.990	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	482614	53.132	ug/l	99
89) n-Butylbenzene	13.62	91	832911	52.113	ug/l	100
90) Hexachloroethane	13.88	117	178940	50.755	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	553894	62.116	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	81039	49.500	ug/l	92
93) 1,2,4-Trichlorobenzene	14.92	180	265932	47.506	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103119\
Data File : VN059046.D
Acq On : 31 Oct 2019 17:50
Operator : JC/SP
Sample : K5626-08MS
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:12 AM

Quant Time: Nov 01 03:27:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	143031	49.488	ug/l	99
95) Naphthalene	15.13	128	773030	48.006	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	272427	49.857	ug/l	99

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

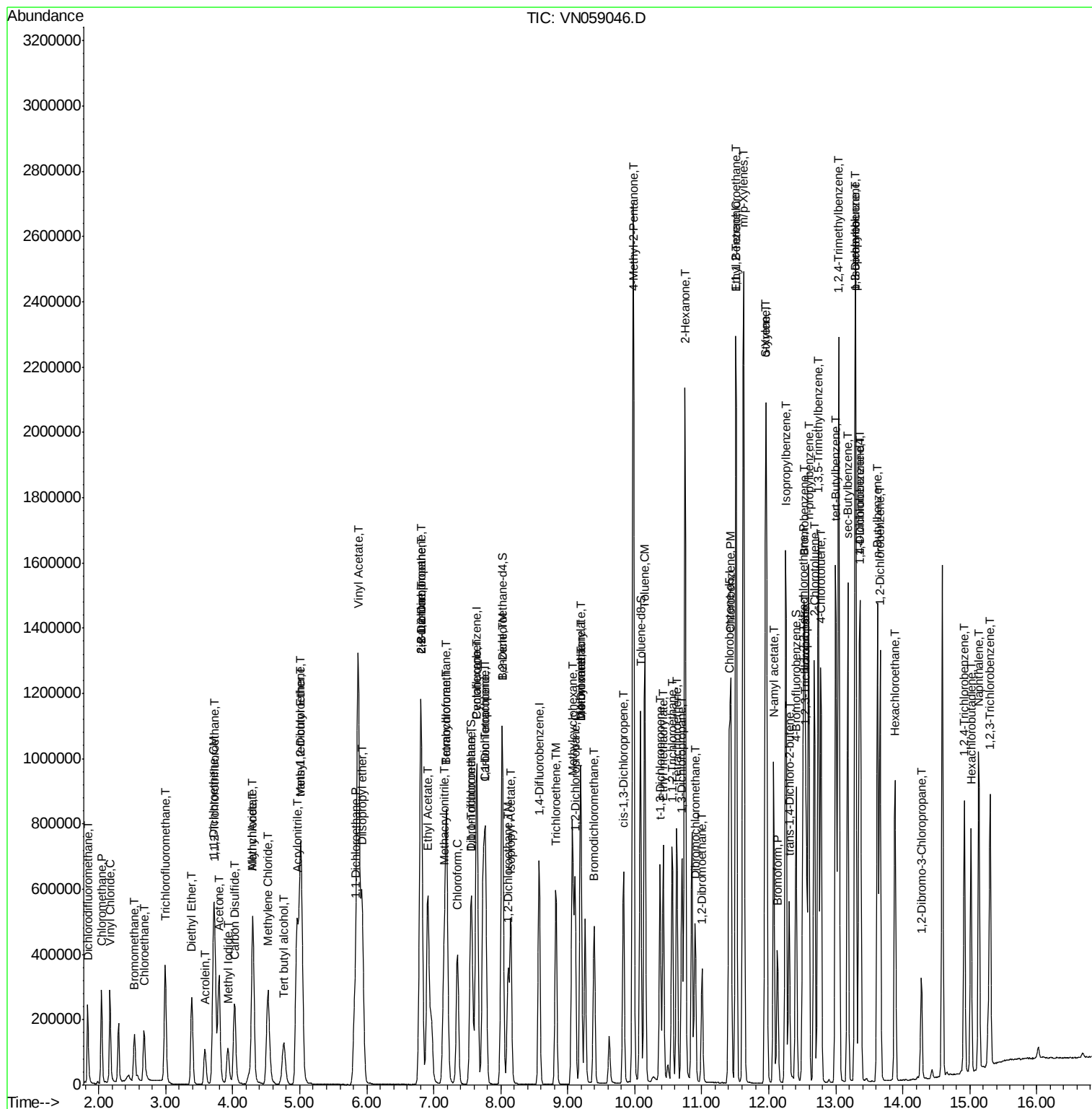
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103119\
 Data File : VN059046.D
 Acq On : 31 Oct 2019 17:50
 Operator : JC/SP
 Sample : K5626-08MS
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

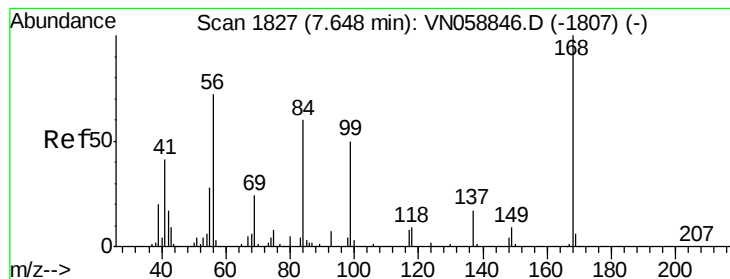
Instrument :
 MSVOA_N
 Client Sample Id :
 SS003MW331-191030MS

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 7:04:12 AM

Quant Time: Nov 01 03:27:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

SS003MW331-191030MS

Tgt Ion: 168 Resp: 383719

Ion Ratio Lower Upper

168 100

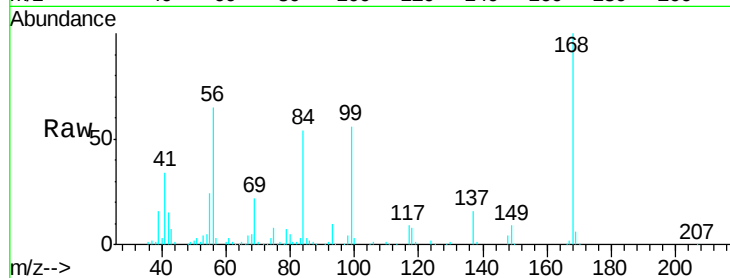
99 56.1 48.1 72.1

Manual Integrations

APPROVED

MMDadoda

11/4/2019 7:04:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

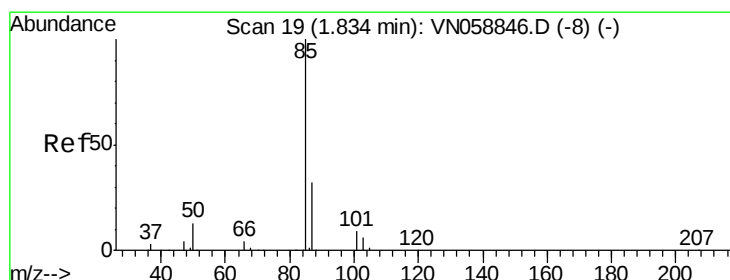
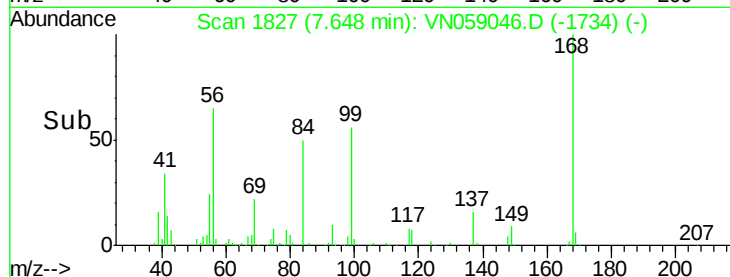
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 41.581 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059046.D

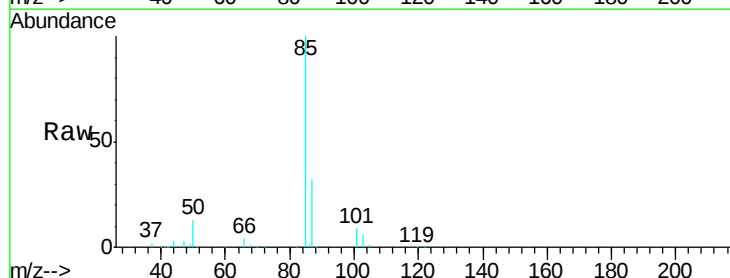
Acq: 31 Oct 2019 17:50

Tgt Ion: 85 Resp: 198934

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

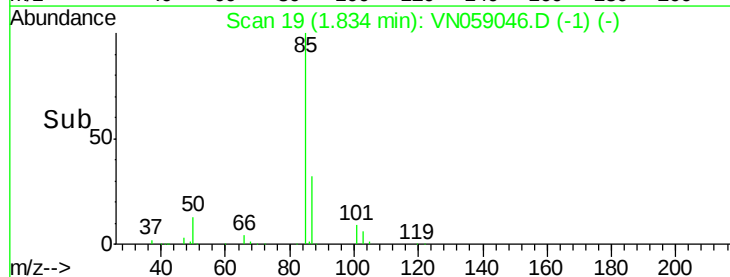
100000

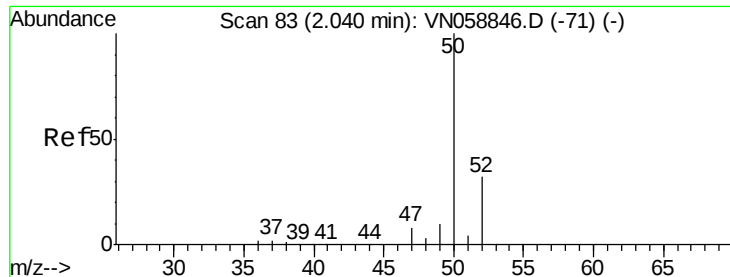
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 42.593 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

SS003MW331-191030MS

Tgt Ion: 50 Resp: 252378

Ion Ratio Lower Upper

50 100

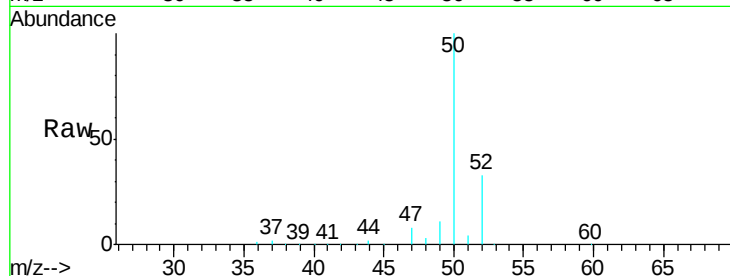
52 32.9 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

11/4/2019 7:04:12 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

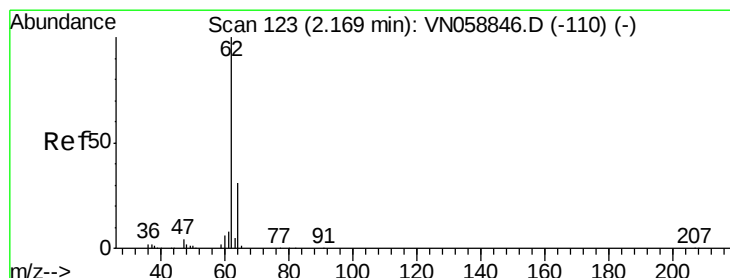
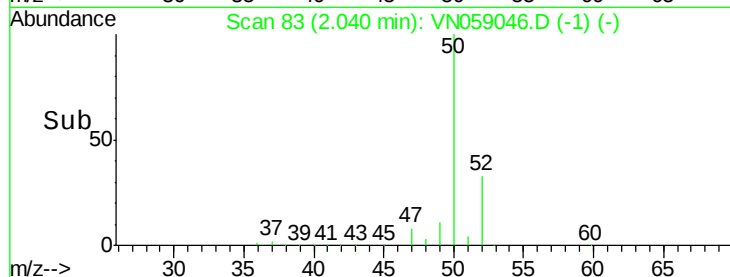
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 44.971 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059046.D

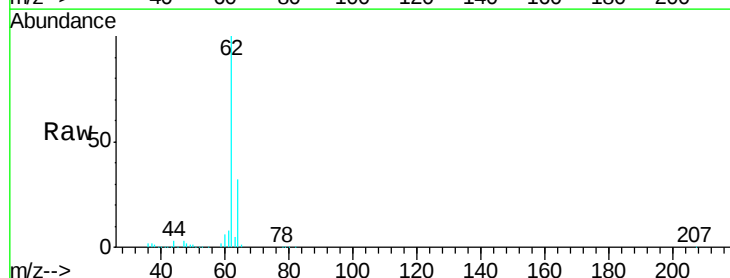
Acq: 31 Oct 2019 17:50

Tgt Ion: 62 Resp: 264574

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

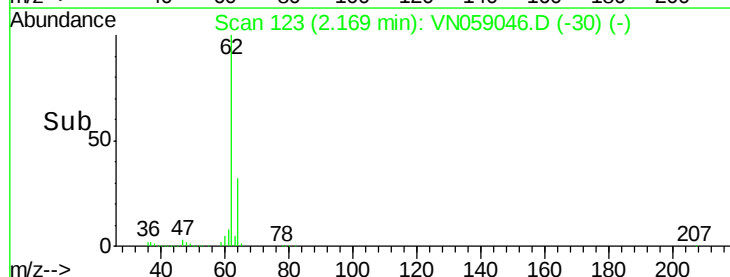
150000

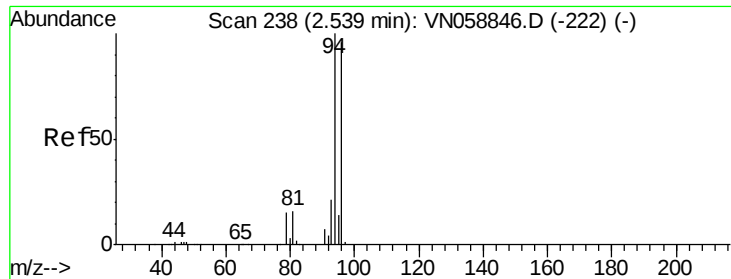
100000

50000

0

Time-->





#5

Bromomethane

Concen: 28.683 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

SS003MW331-191030MS

Tgt Ion: 94 Resp: 105674

Ion Ratio Lower Upper

94 100

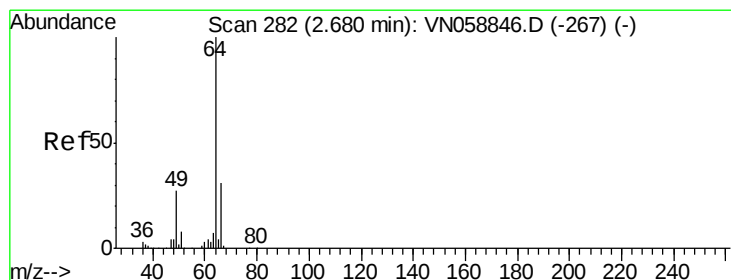
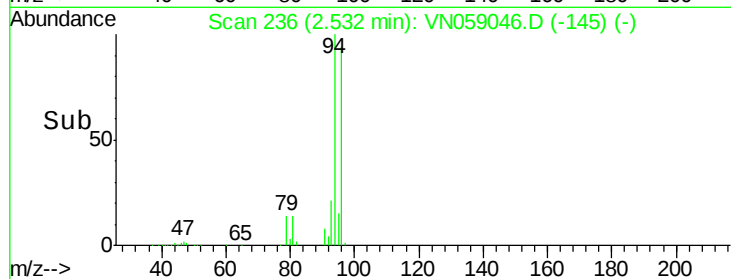
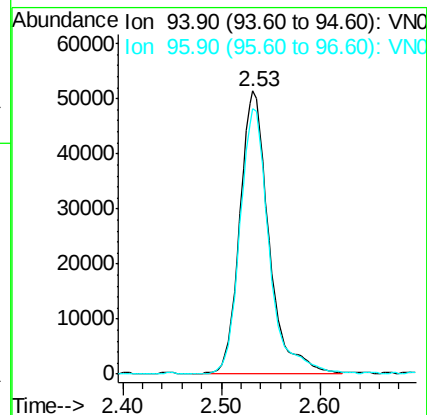
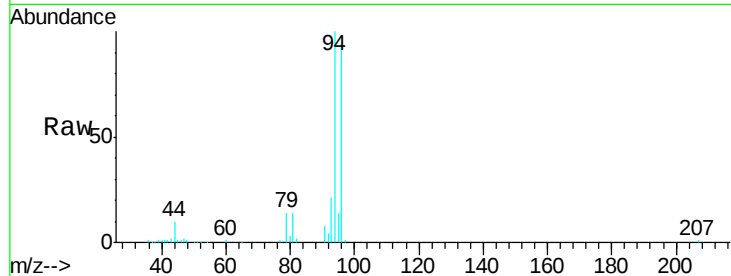
96 93.5 77.0 115.6

Manual Integrations

APPROVED

MMDadoda

11/4/2019 7:04:12 AM



#6

Chloroethane

Concen: 43.553 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059046.D

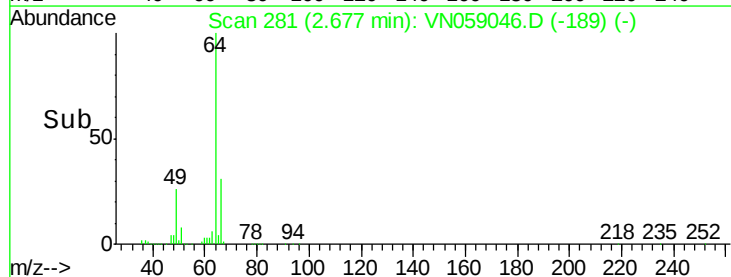
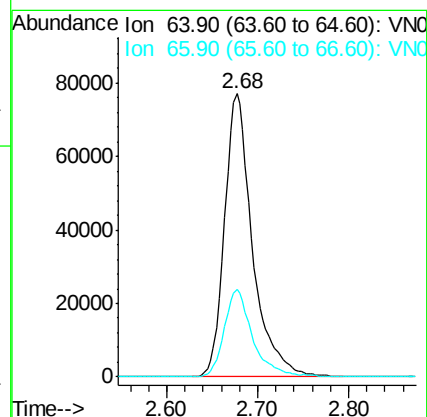
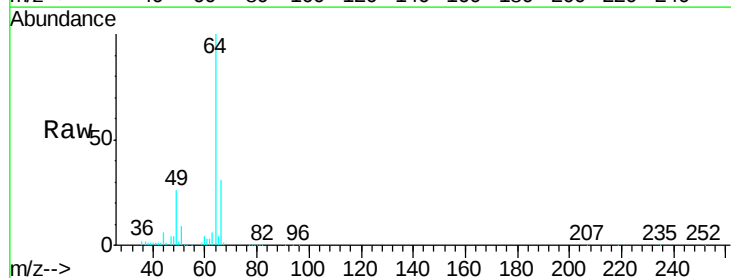
Acq: 31 Oct 2019 17:50

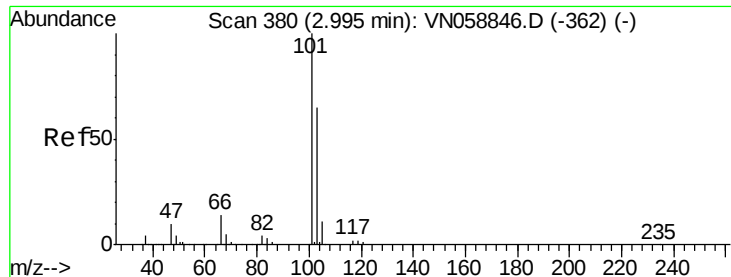
Tgt Ion: 64 Resp: 164319

Ion Ratio Lower Upper

64 100

66 30.8 25.0 37.4





#7

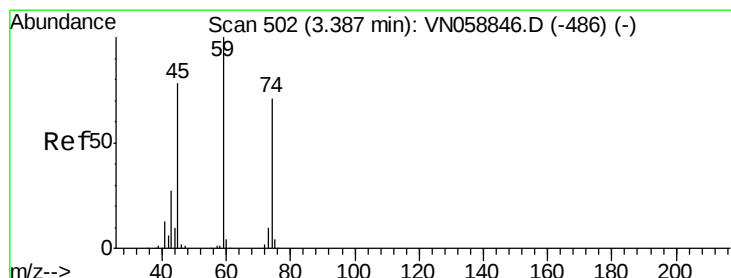
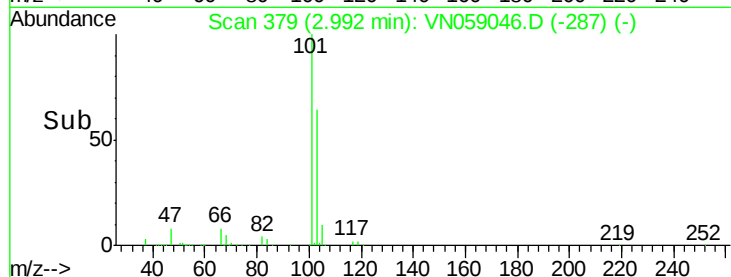
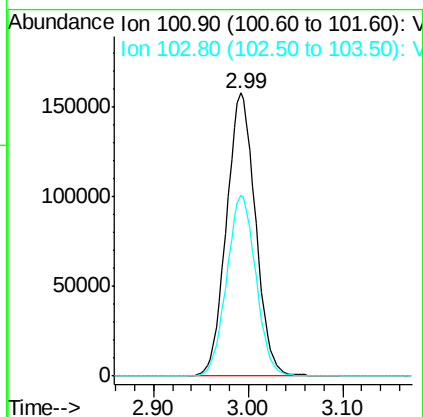
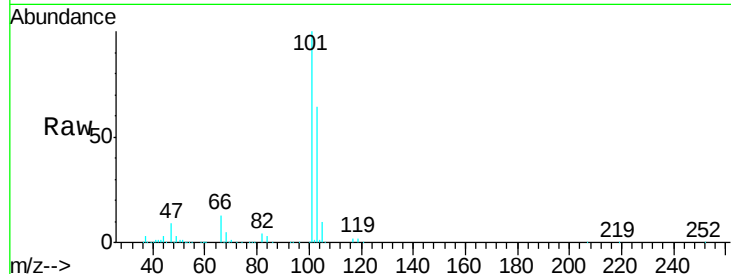
Trichlorofluoromethane
Concen: 46.127 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	335785		
103	63.9	52.2	78.2	

Manual Integrations
APPROVED

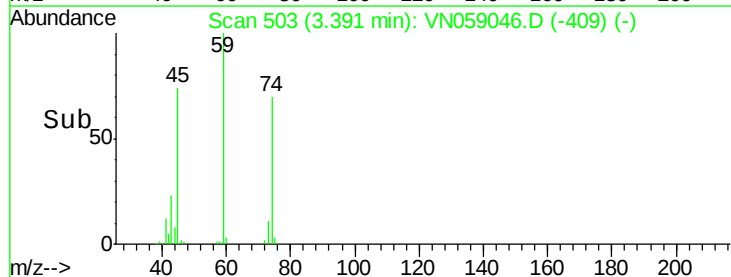
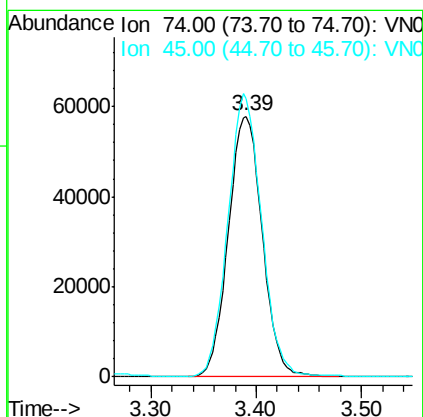
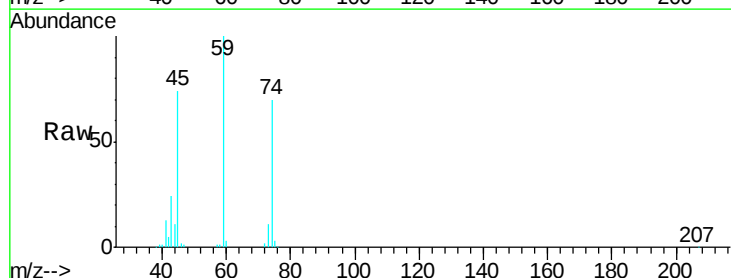
MMDadoda
11/4/2019 7:04:12 AM

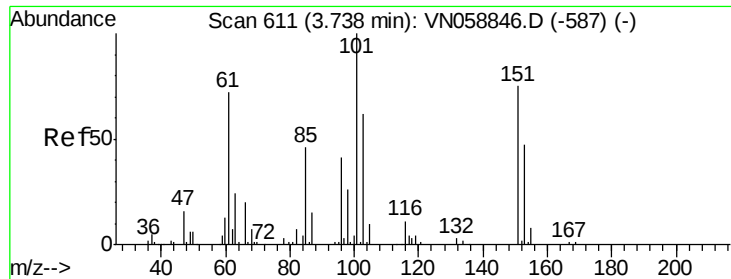


#8

Diethyl Ether
Concen: 51.339 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	129149		
45	106.6	54.9	164.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.159 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

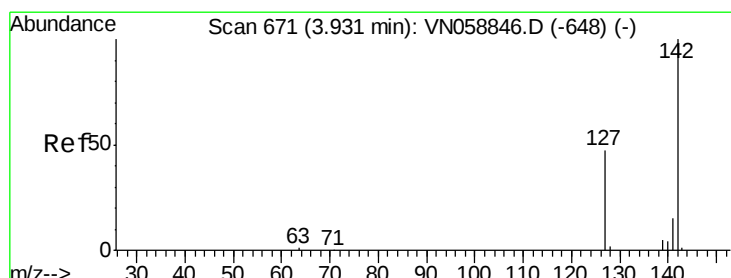
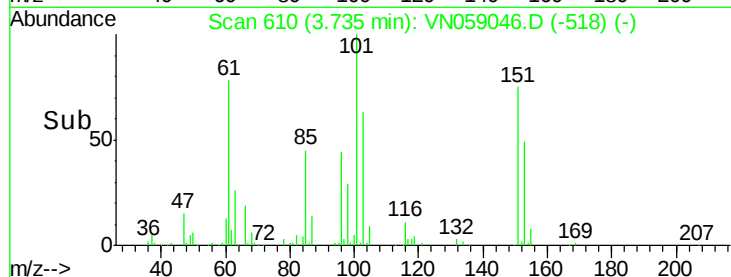
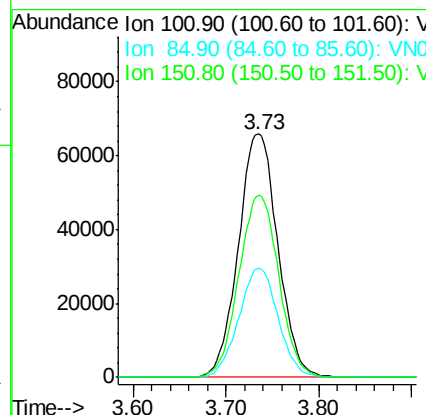
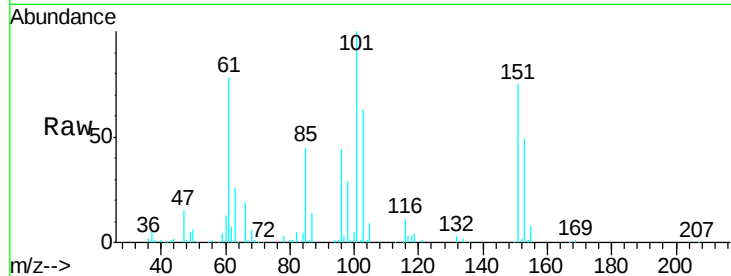
ClientSampleId :

SS003MW331-191030MS

Tgt Ion:	101	Resp:	194351
Ion Ratio	Lower	Upper	
101	100		
85	44.7	37.2	55.8
151	75.8	59.9	89.9

Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:12 AM



#10

Methyl Iodide

Concen: 34.597 ug/l

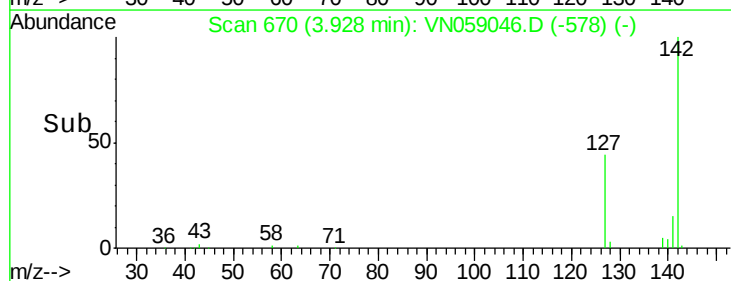
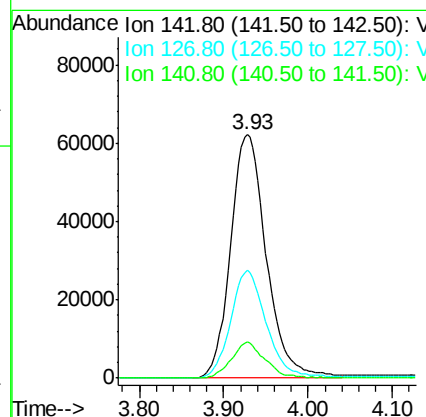
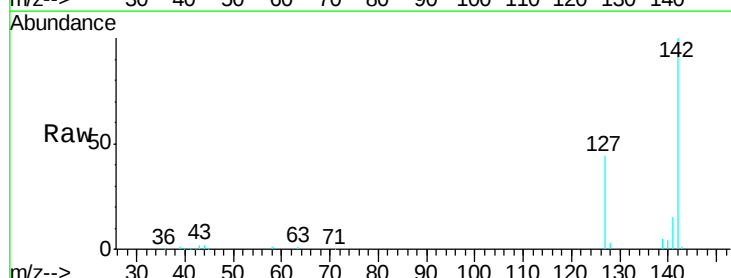
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Tgt Ion:	142	Resp:	183632
Ion Ratio	Lower	Upper	
142	100		
127	44.0	36.6	54.8
141	13.9	11.4	17.2





#11

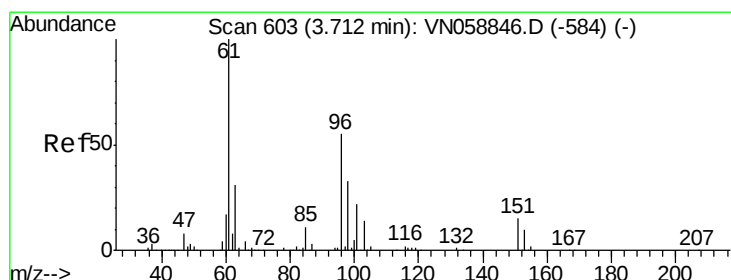
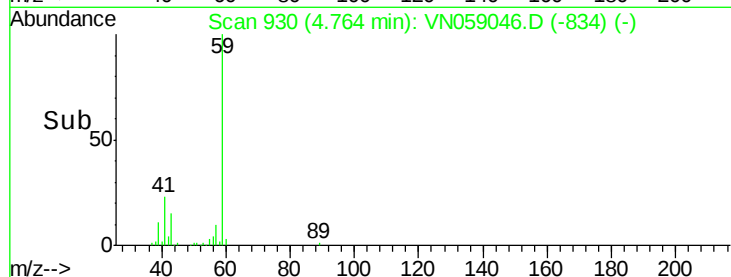
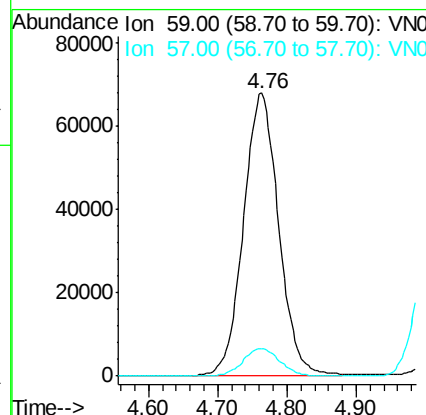
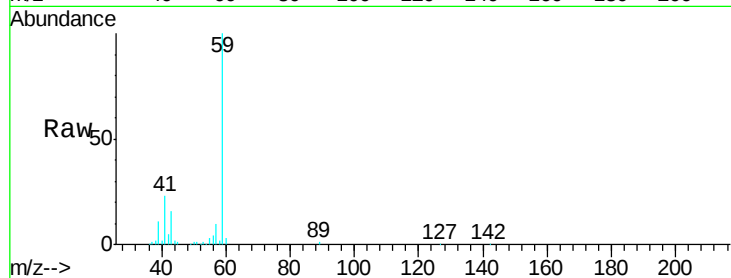
Tert butyl alcohol
Concen: 257.254 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.01 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion: 59 Resp: 240254
Ion Ratio Lower Upper
59 100
57 10.3 8.6 12.8

Manual Integrations
APPROVED

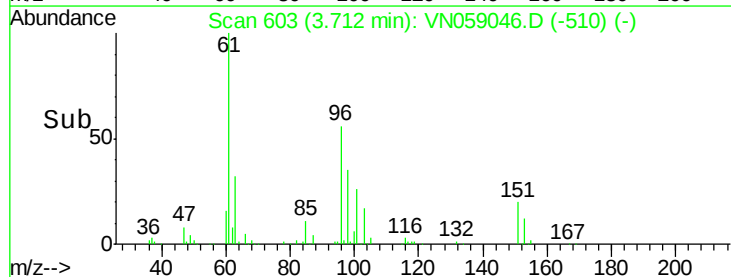
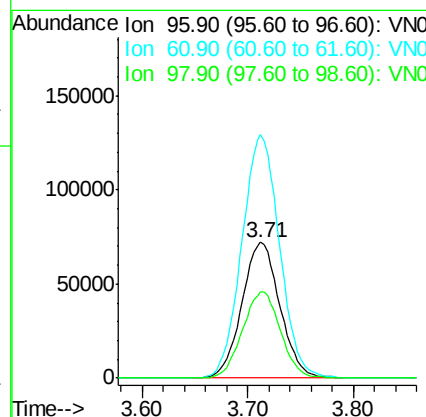
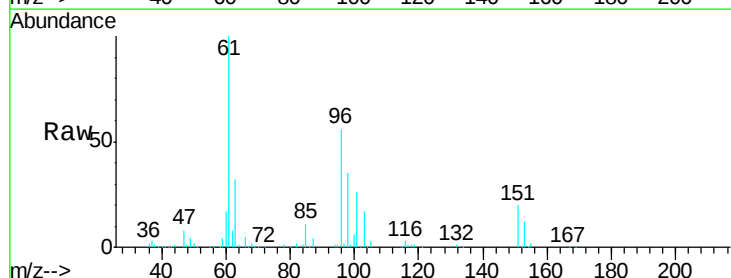
MMDadoda
11/4/2019 7:04:12 AM

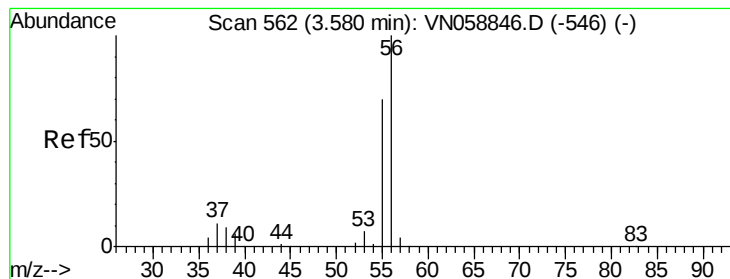


#12

1,1-Dichloroethene
Concen: 47.742 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 96 Resp: 180596
Ion Ratio Lower Upper
96 100
61 179.6 146.2 219.2
98 63.2 48.7 73.1





#13

Acrolein

Concen: 185.871 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

SS003MW331-191030MS

Tgt Ion: 56 Resp: 119273

Ion Ratio Lower Upper

56 100

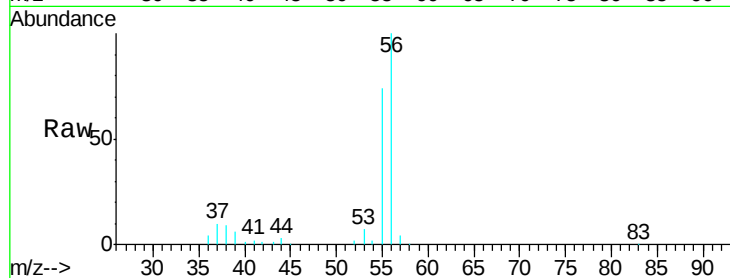
55 74.4 56.6 85.0

Manual Integrations

APPROVED

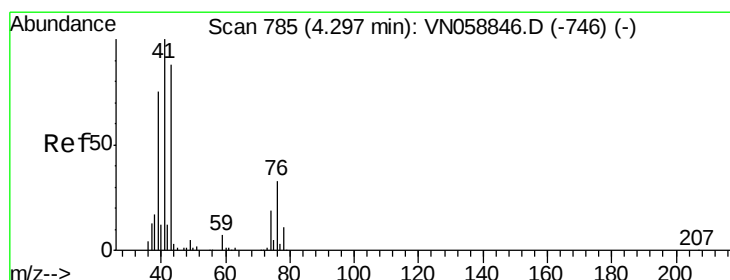
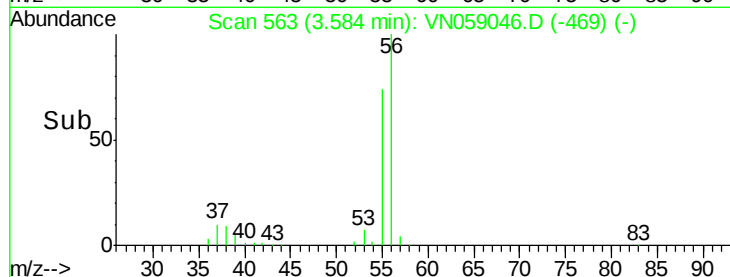
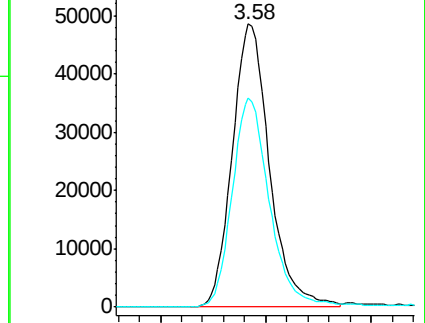
MMDadoda

11/4/2019 7:04:12 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.403 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

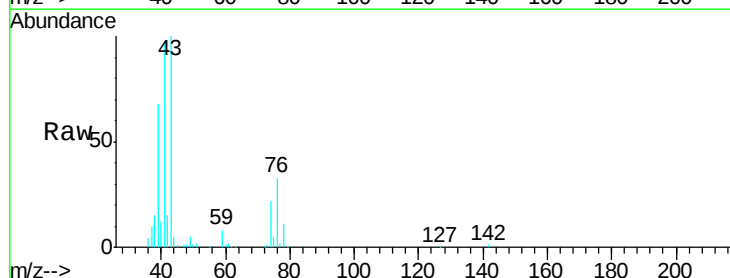
Tgt Ion: 41 Resp: 378155

Ion Ratio Lower Upper

41 100

39 64.9 55.9 83.9

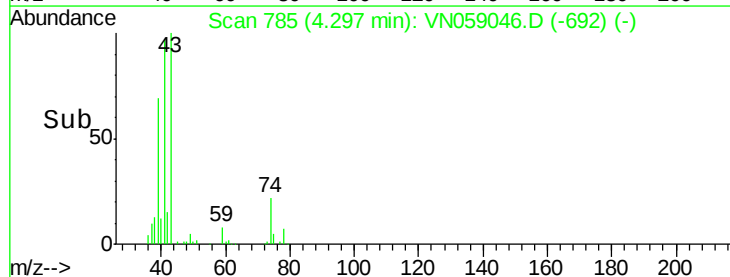
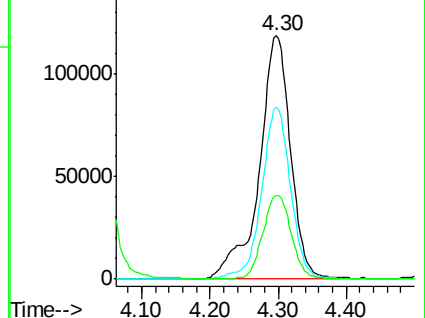
76 30.5 24.1 36.1

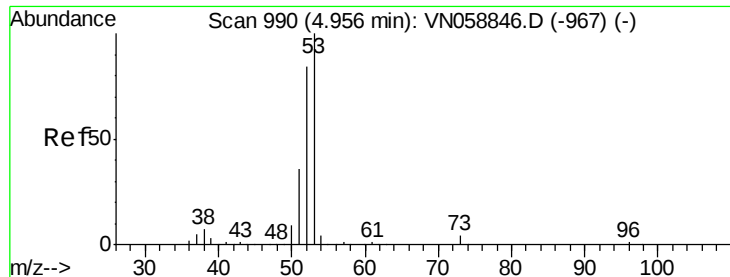


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 279.683 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

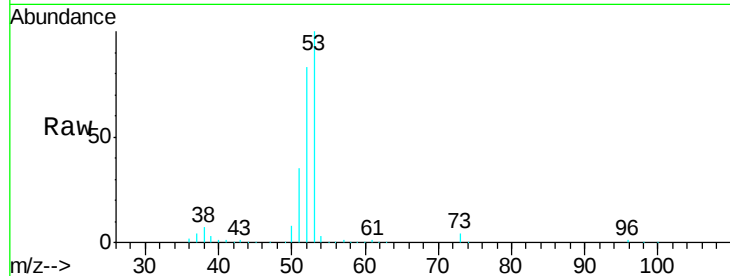
ClientSampleId :

SS003MW331-191030MS

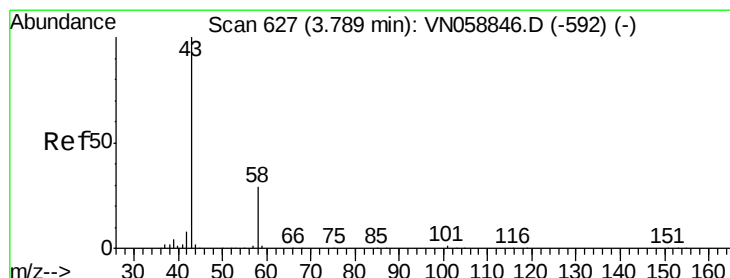
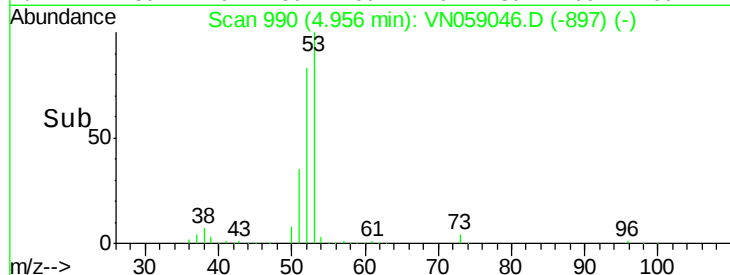
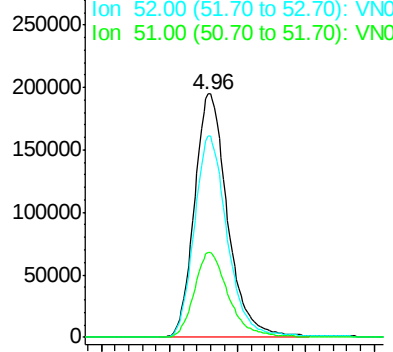
Tgt Ion:	53	Resp:	657025
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	99.8
51	36.1	29.2	43.8

Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:12 AM



Abundance Ion 53.00 (52.70 to 53.70): VN058846.D (-967) (-)



#16

Acetone

Concen: 200.812 ug/l

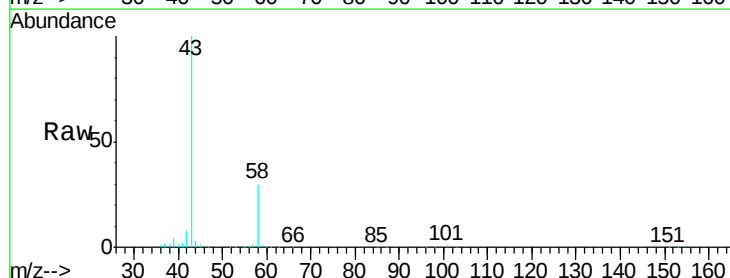
RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

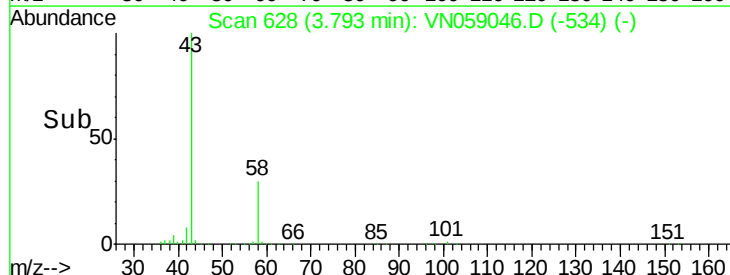
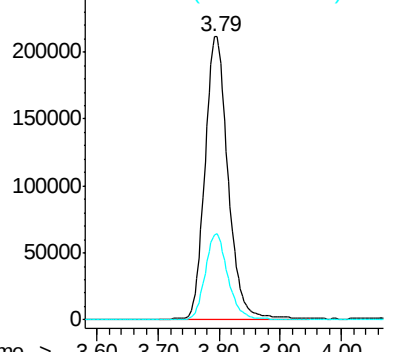
Lab File: VN059046.D

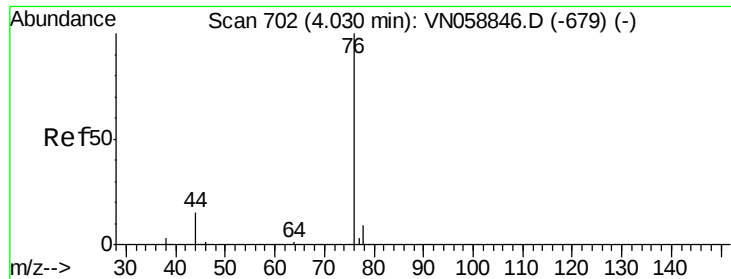
Acq: 31 Oct 2019 17:50

Tgt Ion:	43	Resp:	558446
Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.1	34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)





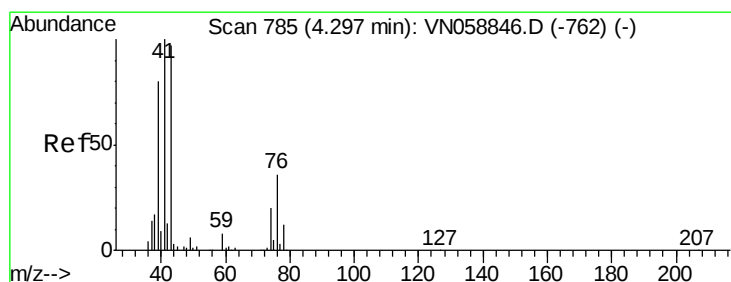
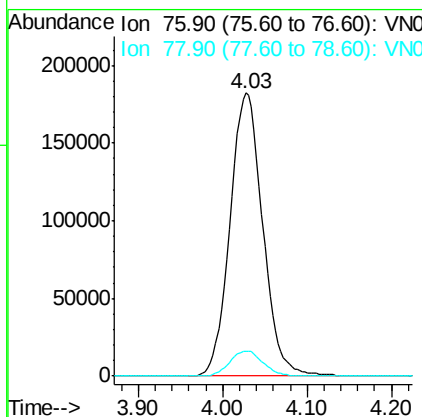
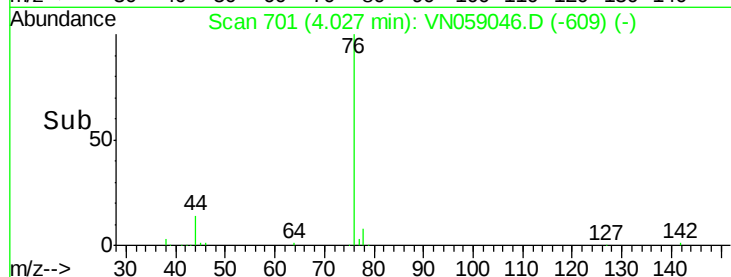
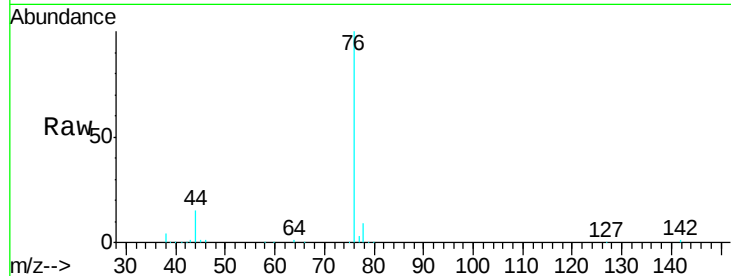
#17
Carbon Disulfide
Concen: 40.354 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion: 76 Resp: 491730
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

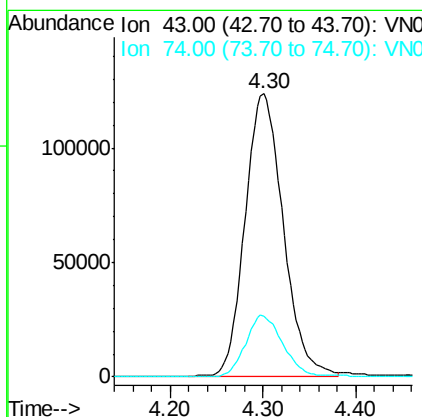
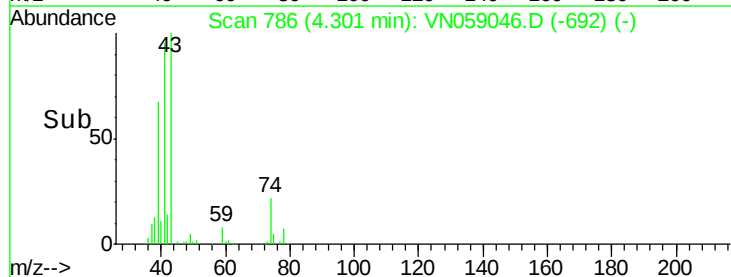
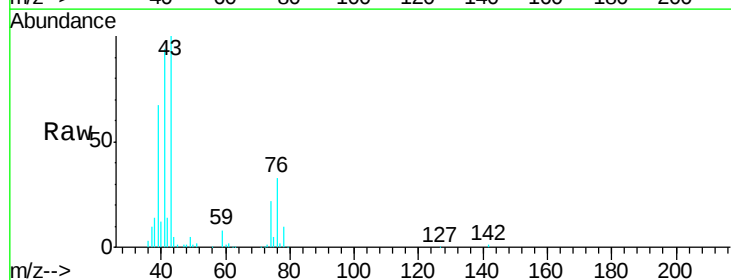
Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:12 AM



#18
Methyl Acetate
Concen: 55.603 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 43 Resp: 351549
Ion Ratio Lower Upper
43 100
74 21.4 17.1 25.7





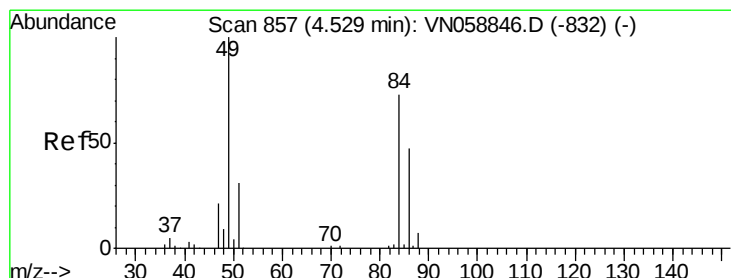
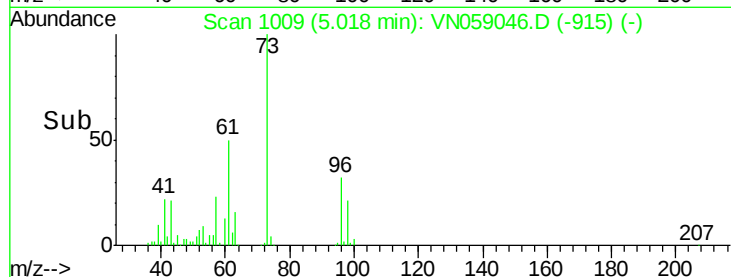
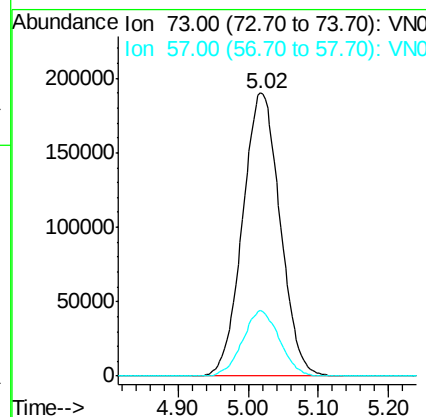
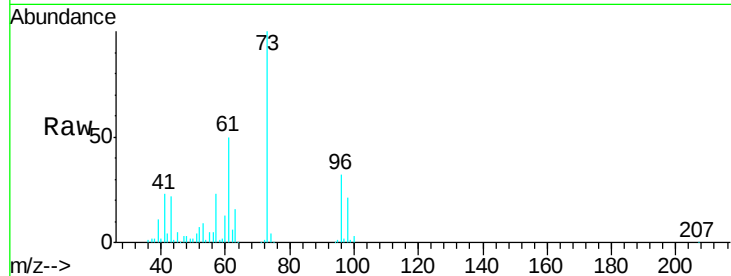
#19
Methyl tert-butyl Ether
Concen: 53.295 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion: 73 Resp: 705926
Ion Ratio Lower Upper
73 100
57 23.4 17.9 26.9

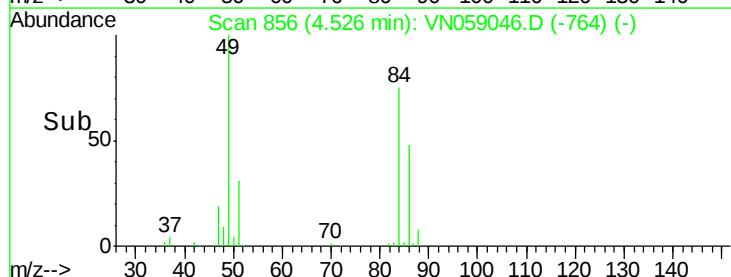
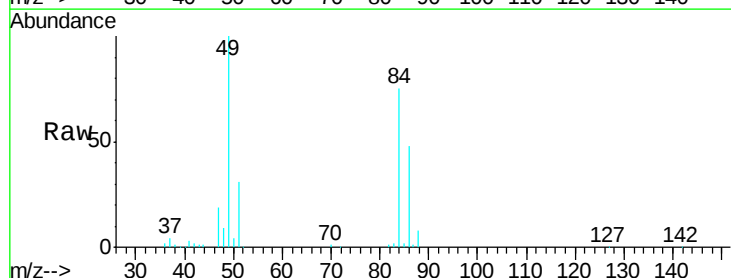
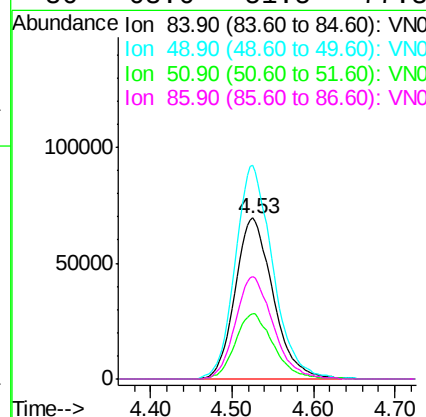
Manual Integrations
APPROVED

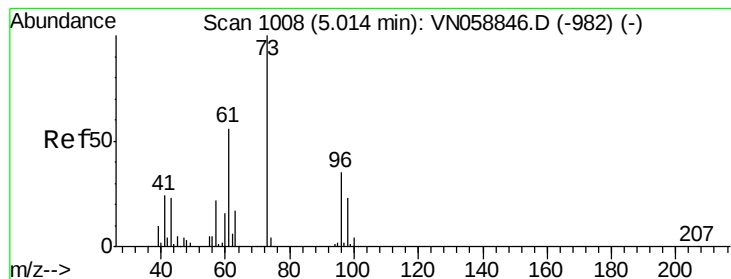
MMDadoda
11/4/2019 7:04:12 AM



#20
Methylene Chloride
Concen: 47.317 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 84 Resp: 224685
Ion Ratio Lower Upper
84 100
49 132.8 109.6 164.4
51 40.8 33.8 50.6
86 63.6 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 47.846 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

SS003MW331-191030MS

Tgt Ion: 96 Resp: 199878

Ion Ratio Lower Upper

96 100

61 154.1 126.7 190.1

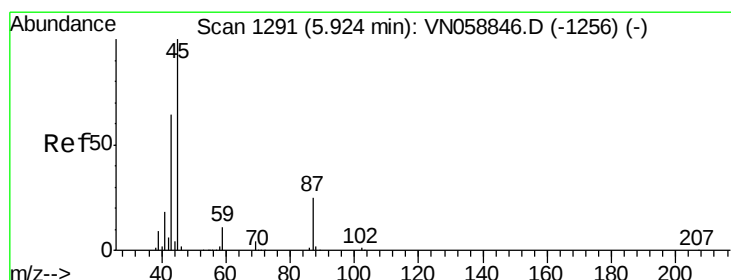
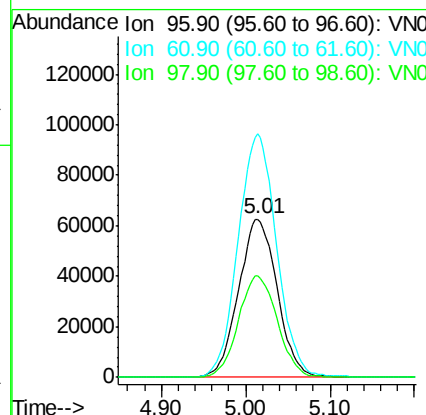
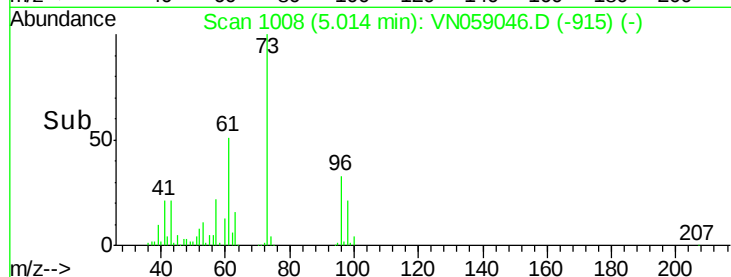
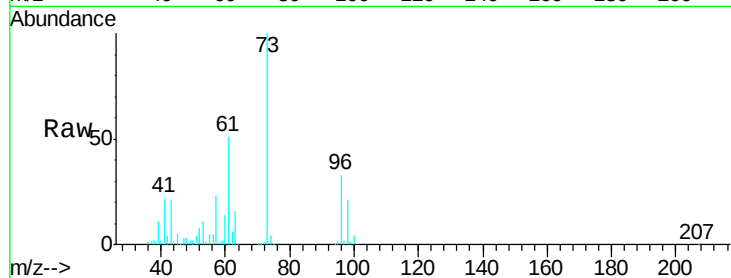
98 64.4 52.0 78.0

Manual Integrations

APPROVED

MMDadoda

11/4/2019 7:04:12 AM



#22

Diisopropyl ether

Concen: 53.381 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Tgt Ion: 45 Resp: 799230

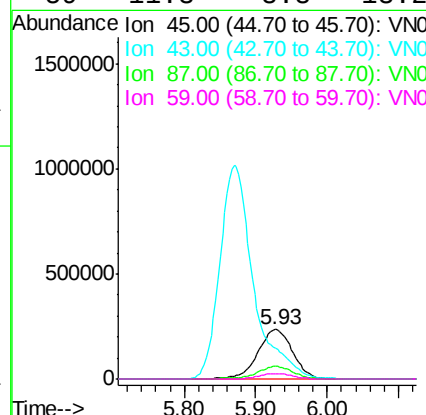
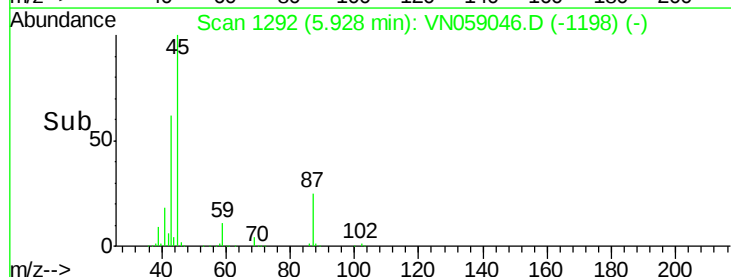
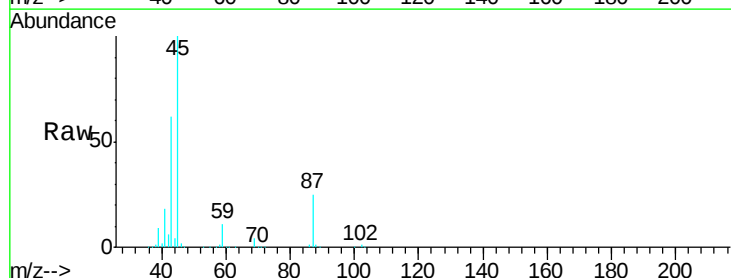
Ion Ratio Lower Upper

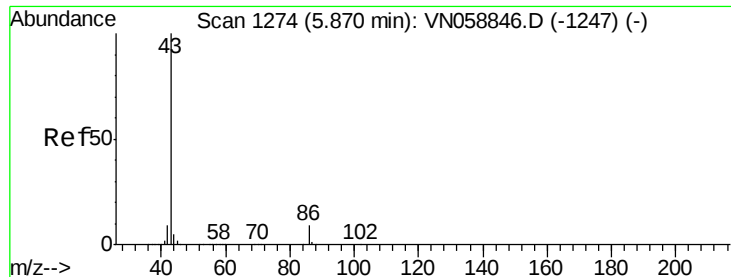
45 100

43 60.8 52.9 79.3

87 25.3 20.2 30.4

59 11.3 8.8 13.2





#23

Vinyl Acetate

Concen: 277.148 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

SS003MW331-191030MS

Tgt Ion: 43 Resp: 3333787

Ion Ratio Lower Upper

43 100

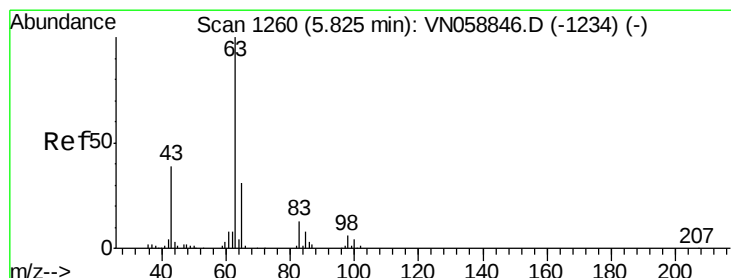
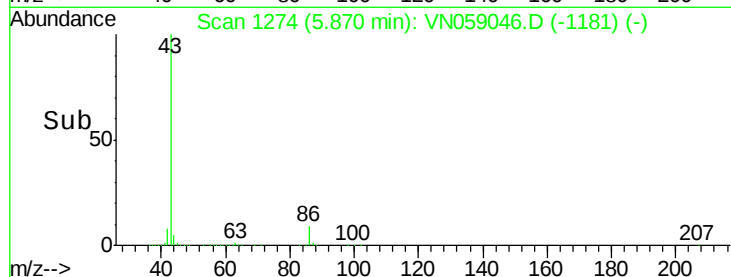
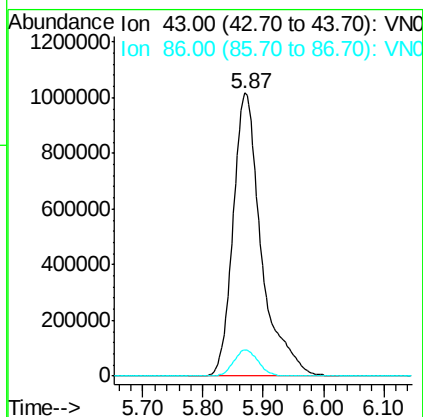
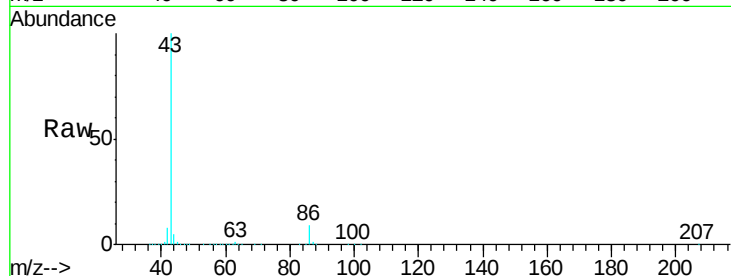
86 9.2 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

11/4/2019 7:04:12 AM



#24

1,1-Dichloroethane

Concen: 49.296 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

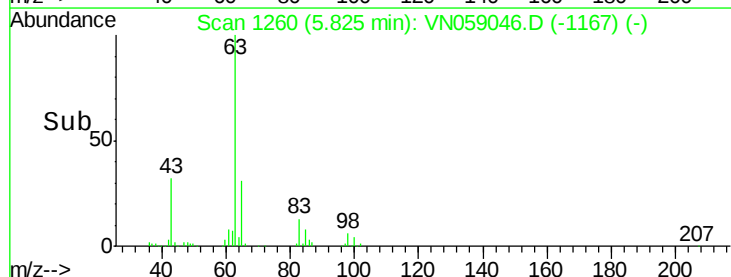
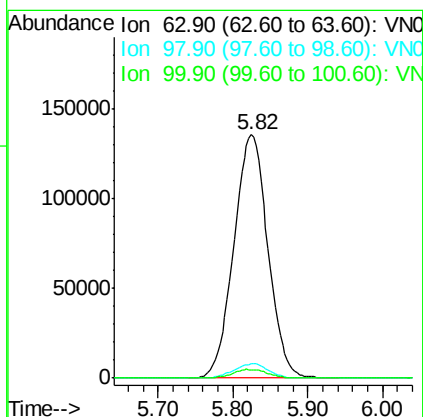
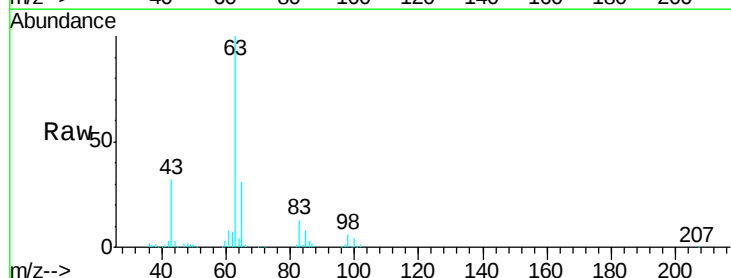
Tgt Ion: 63 Resp: 427960

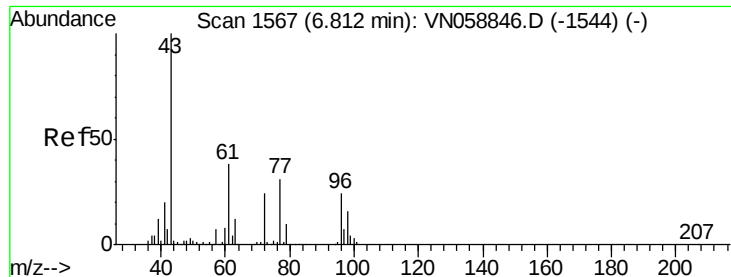
Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.5 1.9 5.7





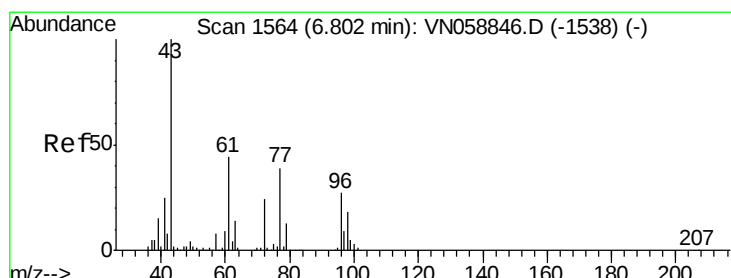
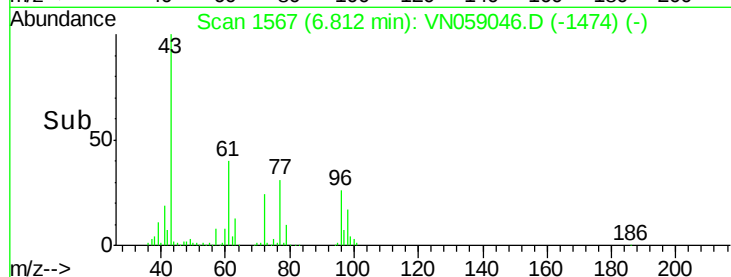
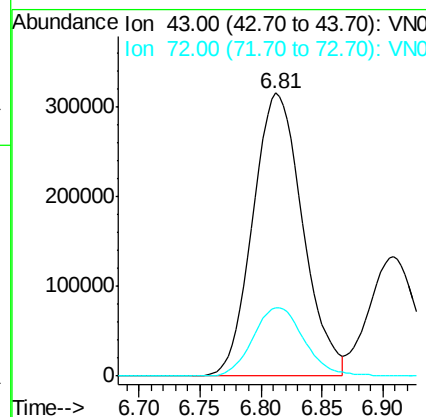
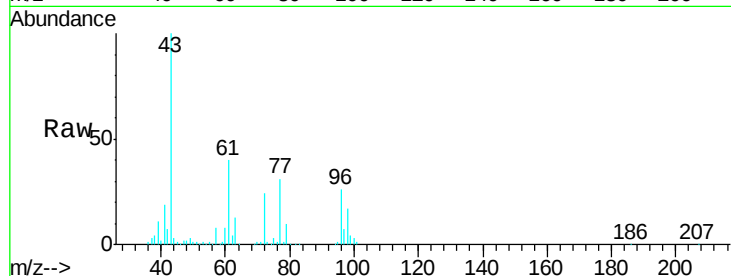
#25
2-Butanone
Concen: 247.168 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampled :
SS003MW331-191030MS

Tgt Ion: 43 Resp: 892268
Ion Ratio Lower Upper
43 100
72 24.2 19.1 28.7

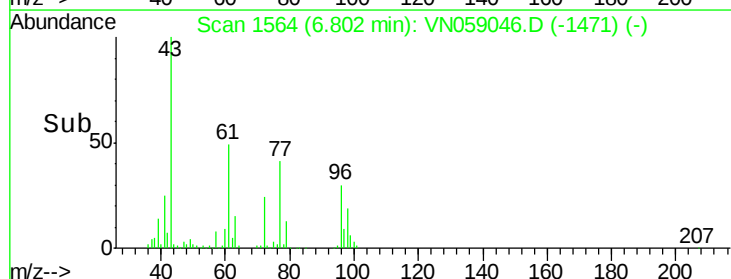
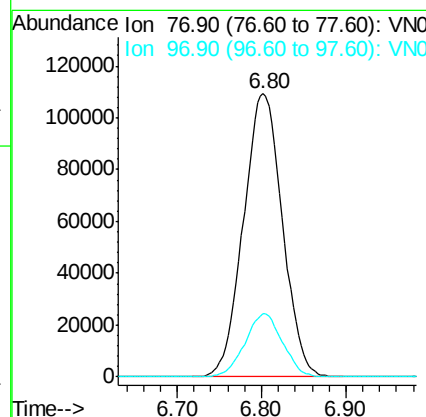
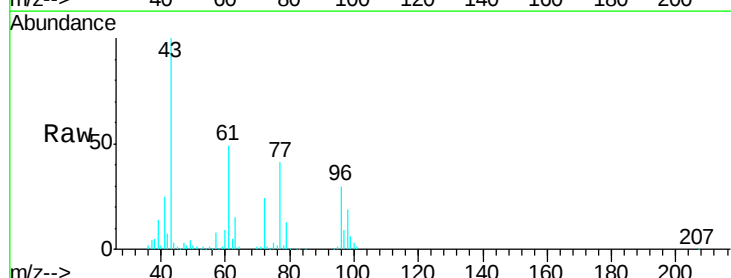
Manual Integrations
APPROVED

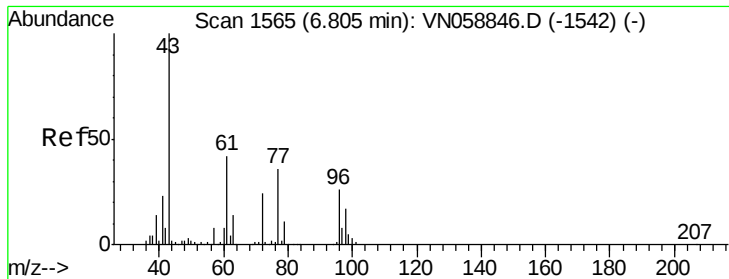
MMDadoda
11/4/2019 7:04:12 AM



#26
2,2-Dichloropropane
Concen: 46.670 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 77 Resp: 350456
Ion Ratio Lower Upper
77 100
97 21.5 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 50.252 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

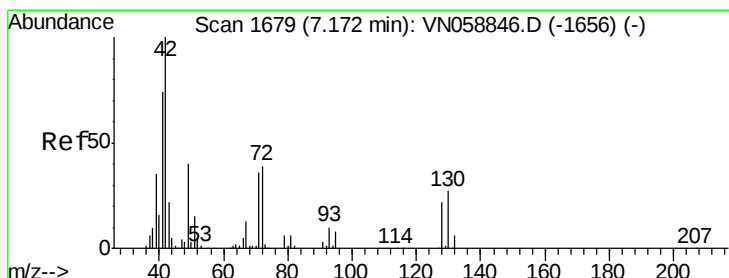
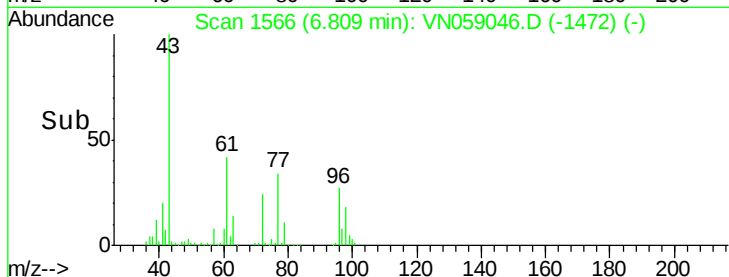
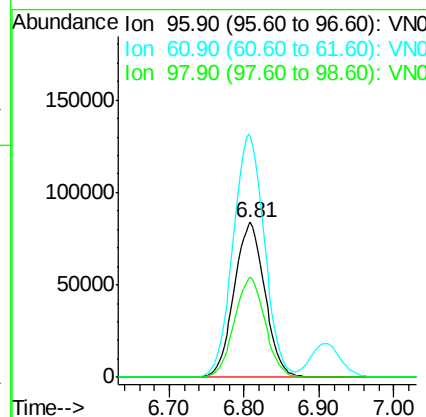
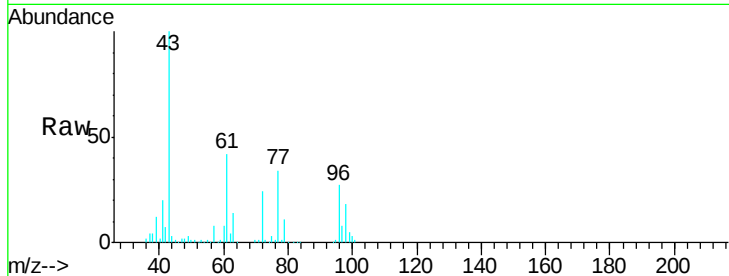
ClientSampleId :

SS003MW331-191030MS

Tgt Ion:	96	Resp:	239813
Ion	Ratio	Lower	Upper
96	100		
61	159.1	0.0	325.0
98	64.5	0.0	128.0

Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:12 AM



#28

Bromochloromethane

Concen: 49.210 ug/l

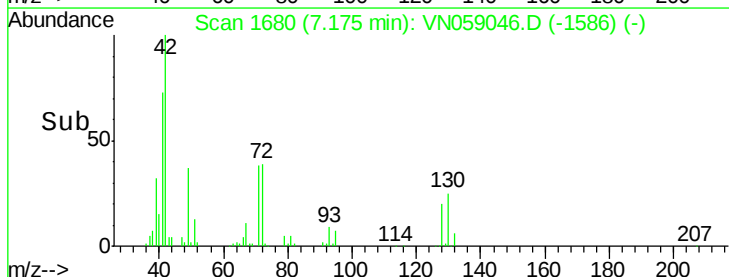
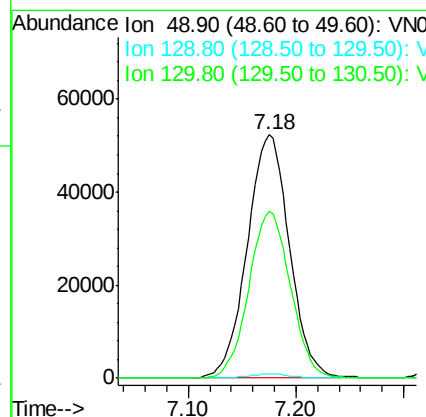
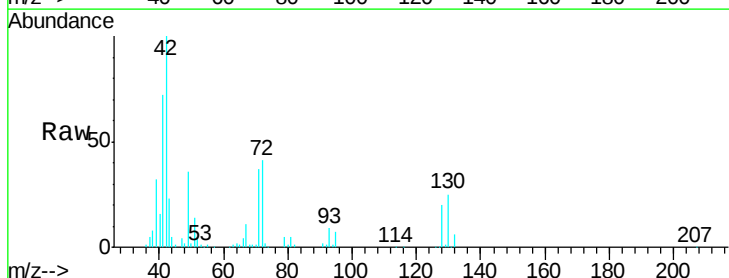
RT: 7.18 min Scan# 1680

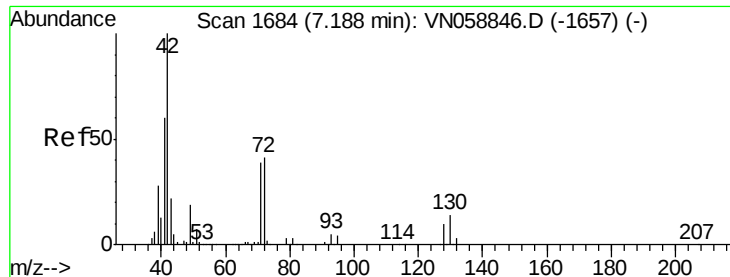
Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Tgt Ion:	49	Resp:	142278
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	67.4	53.5	80.3





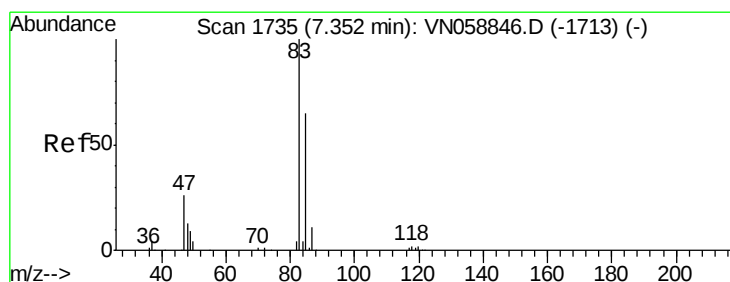
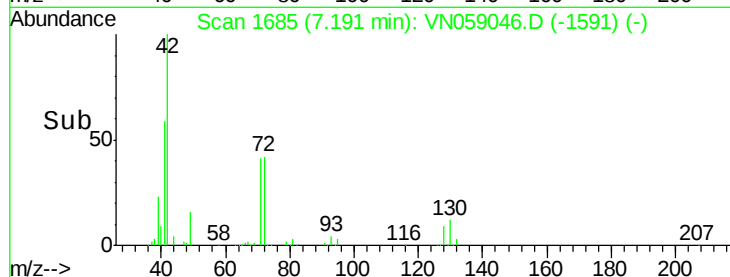
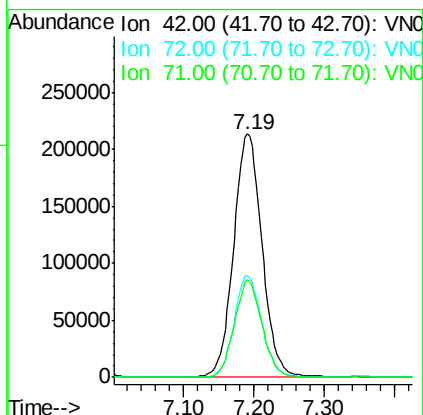
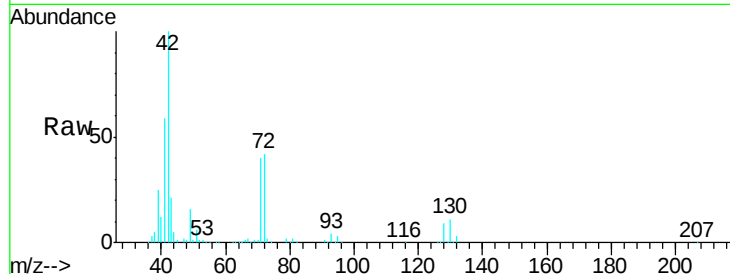
#29
Tetrahydrofuran
Concen: 271.778 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.2	48.2
71	38.7	30.6	45.8

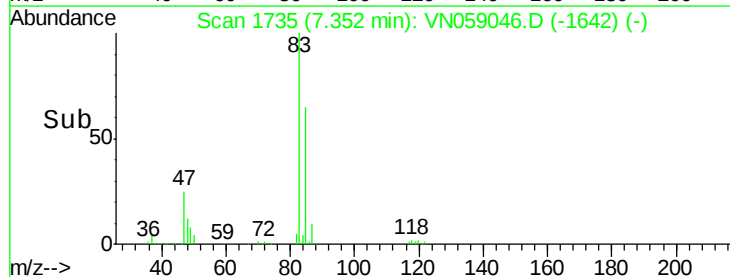
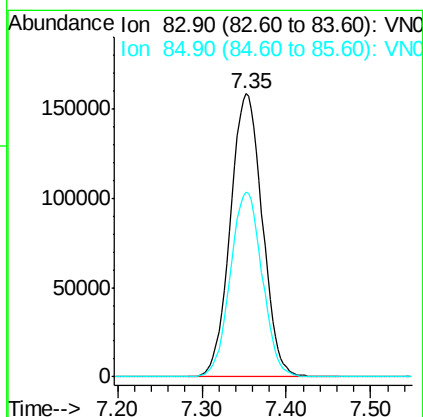
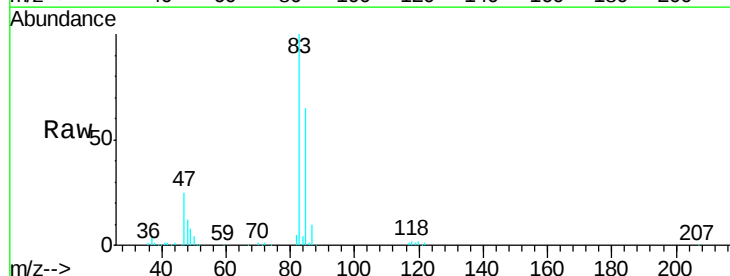
Manual Integrations
APPROVED

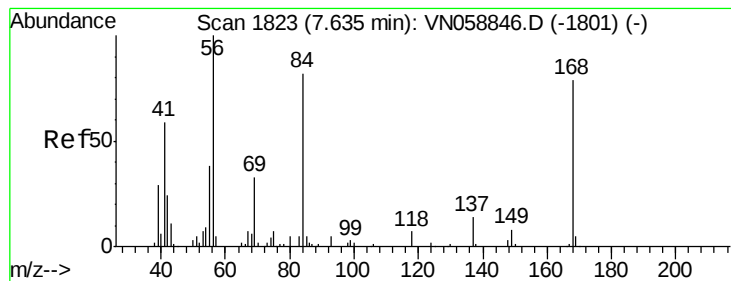
MMDadoda
11/4/2019 7:04:12 AM



#30
Chloroform
Concen: 48.067 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.9	77.9





#31

Cyclohexane

Concen: 44.149 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

SS003MW331-191030MS

Tgt Ion: 56 Resp: 357067
Ion Ratio Lower Upper

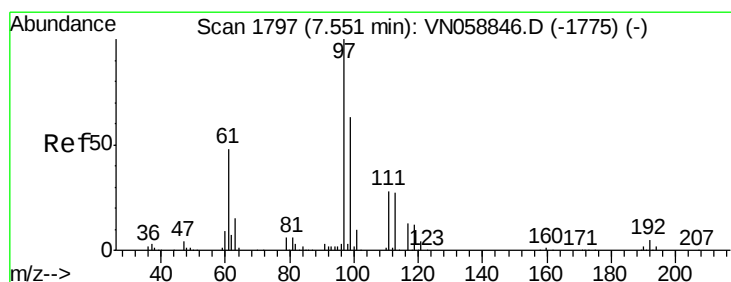
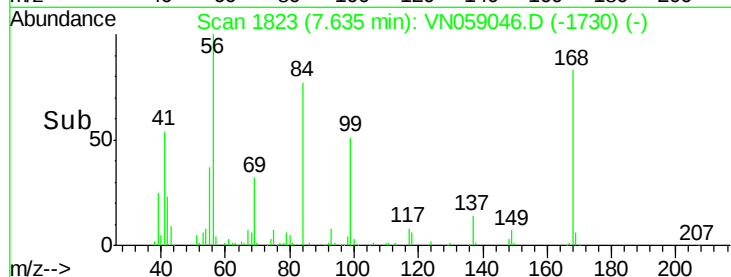
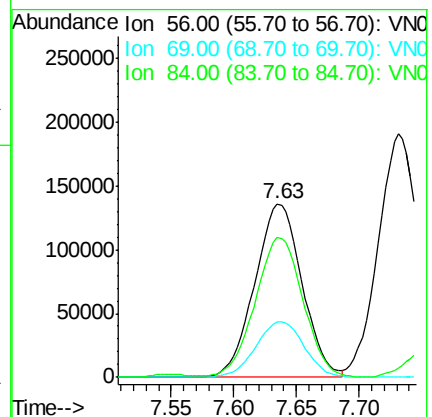
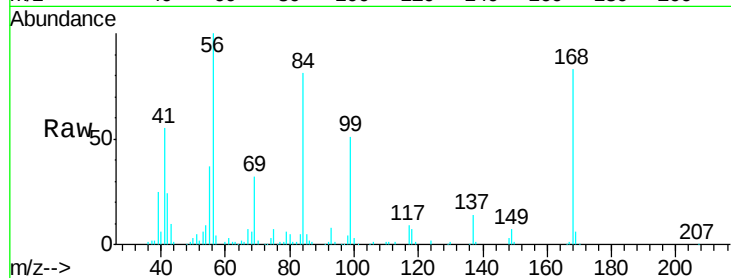
56 100

69 31.9 26.2 39.4

84 79.4 65.6 98.4

Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:12 AM



#32

1,1,1-Trichloroethane

Concen: 48.619 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059046.D

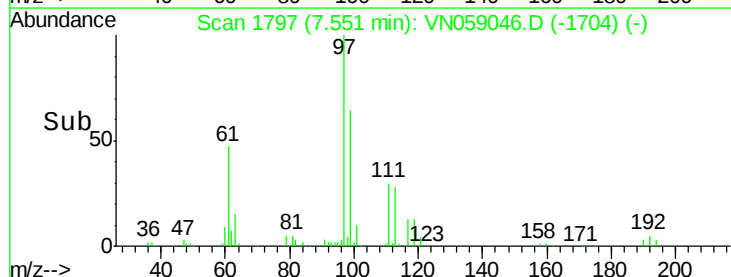
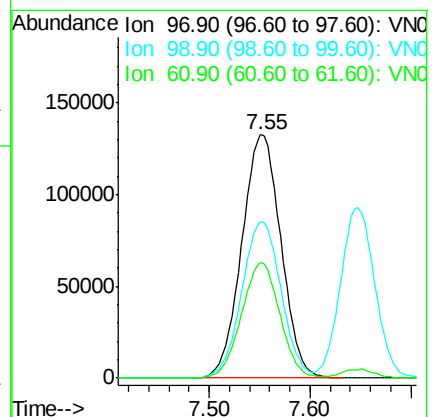
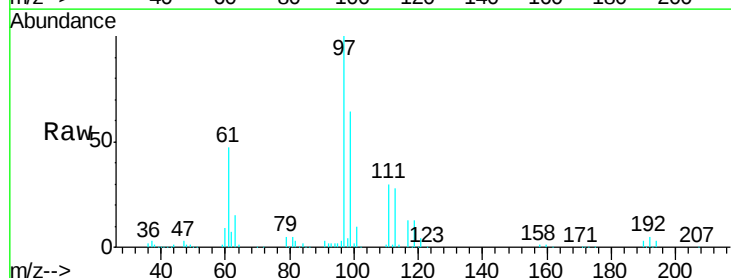
Acq: 31 Oct 2019 17:50

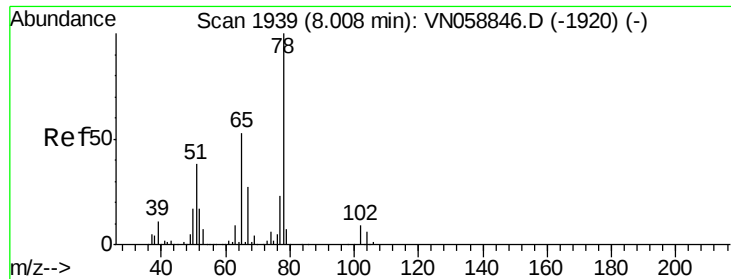
Tgt Ion: 97 Resp: 356876
Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.4

61 46.3 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 49.079 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

SS003MW331-191030MS

Tgt Ion: 65 Resp: 276206

Ion Ratio Lower Upper

65 100

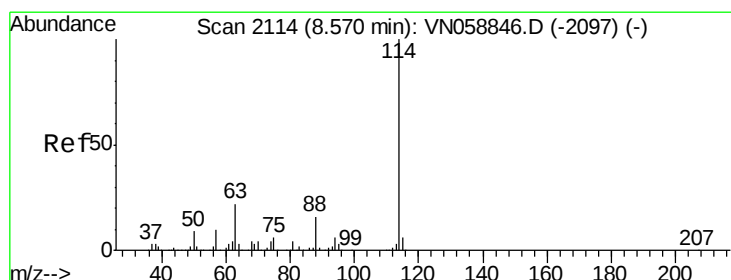
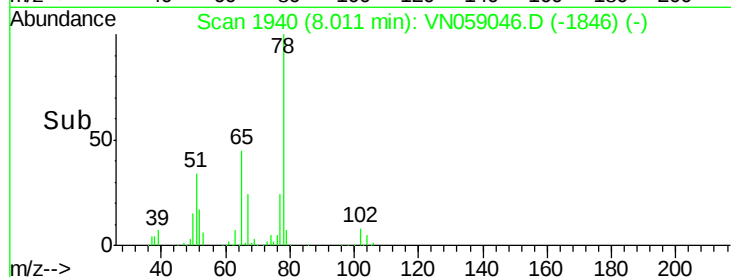
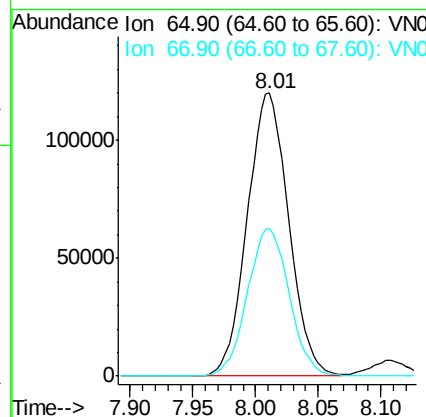
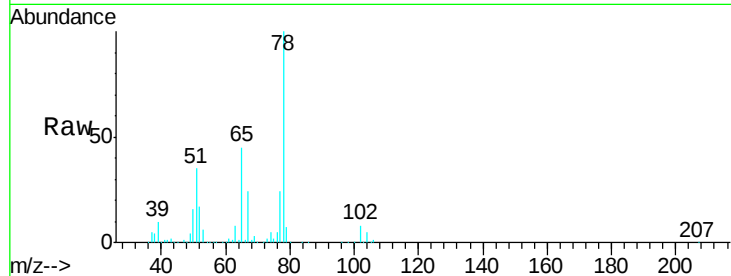
67 53.0 0.0 103.2

Manual Integrations

APPROVED

MMDadoda

11/4/2019 7:04:12 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

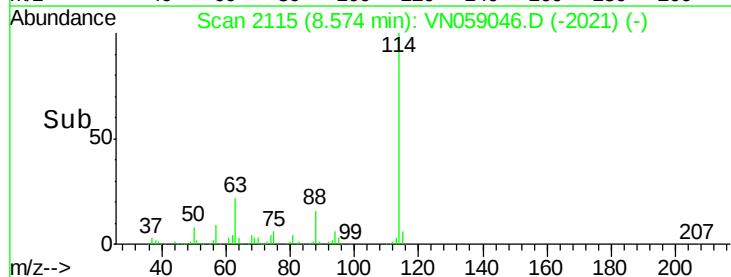
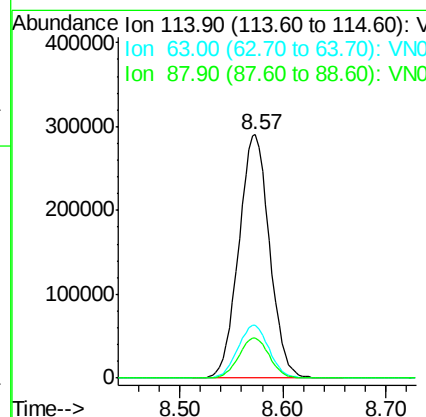
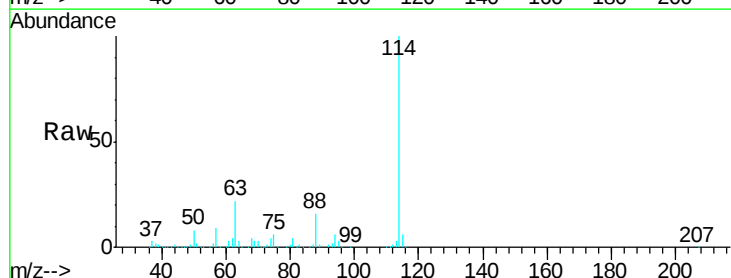
Tgt Ion: 114 Resp: 602774

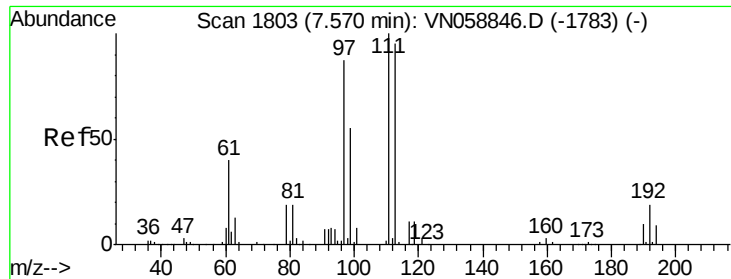
Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.4

88 16.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.437 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

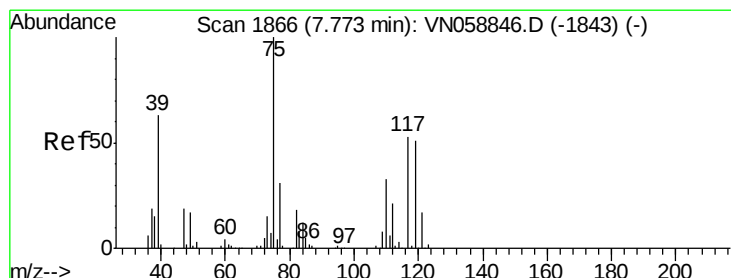
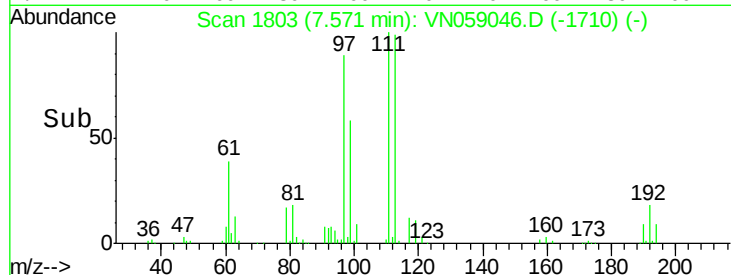
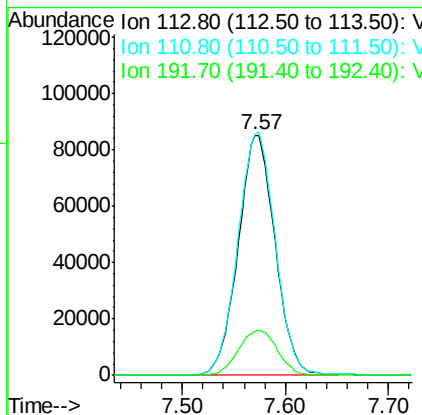
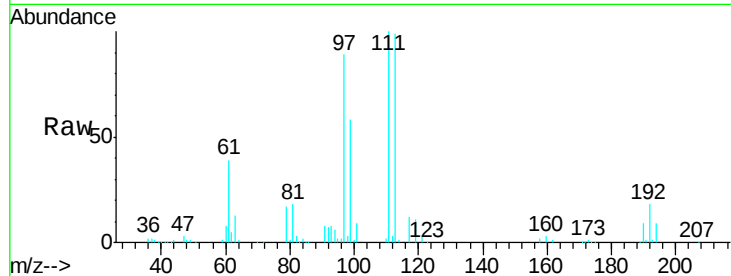
ClientSampleId :

SS003MW331-191030MS

Tgt Ion:	113	Resp:	211776
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.0	123.0
192	19.8	15.0	22.6

Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:12 AM



#36

1,1-Dichloropropene

Concen: 49.099 ug/l

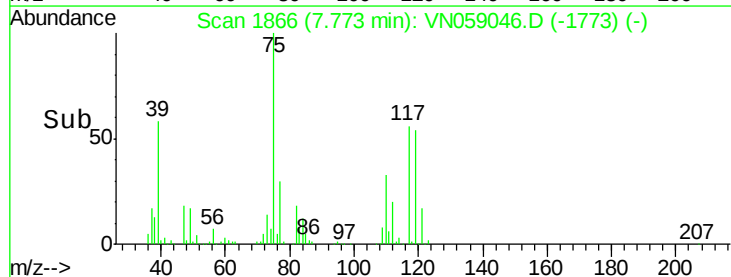
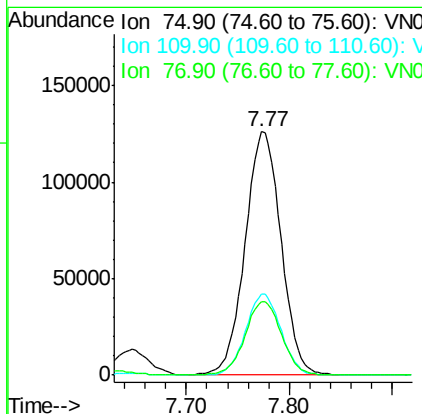
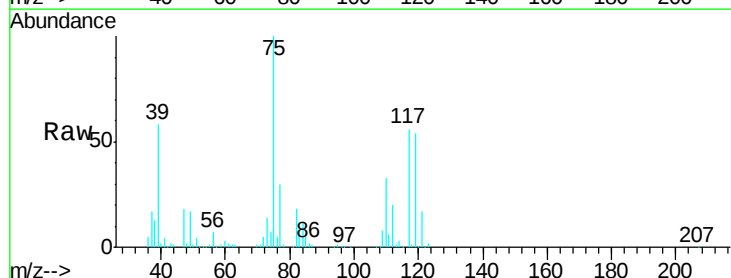
RT: 7.77 min Scan# 1866

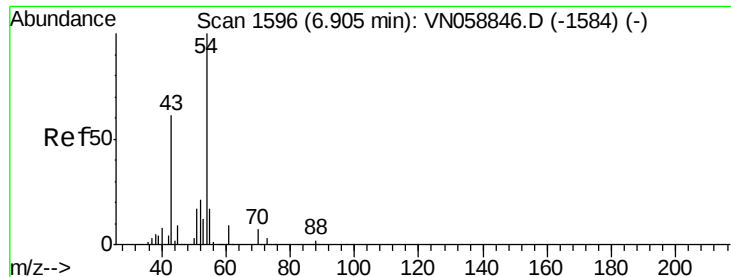
Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Tgt Ion:	75	Resp:	302996
Ion Ratio	Lower	Upper	
75	100		
110	33.0	16.3	48.9
77	31.0	24.6	36.8





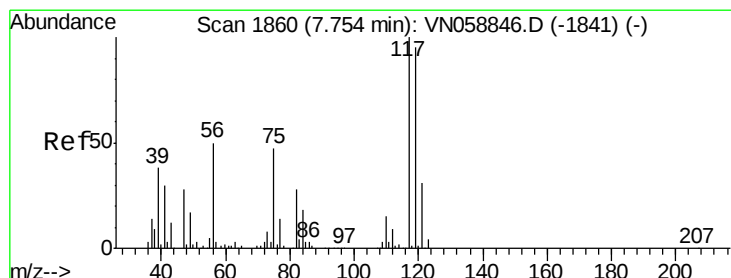
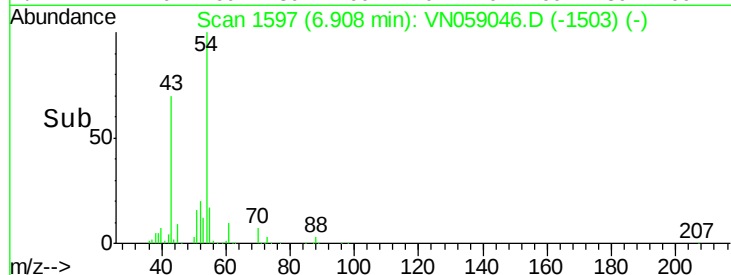
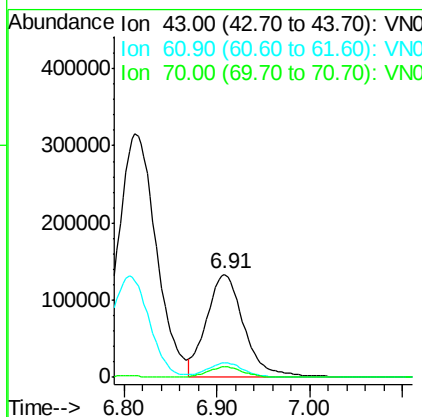
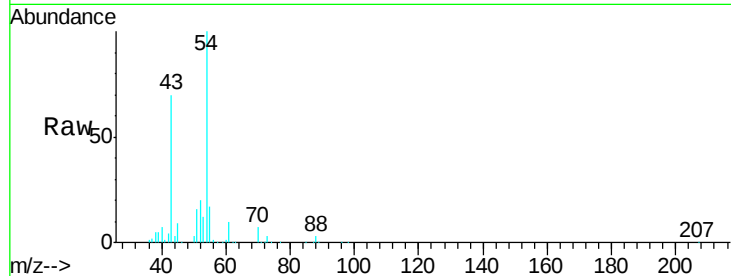
#37
Ethyl Acetate
Concen: 54.824 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion: 43 Resp: 368649
Ion Ratio Lower Upper
43 100
61 14.1 10.5 15.7
70 9.9 7.6 11.4

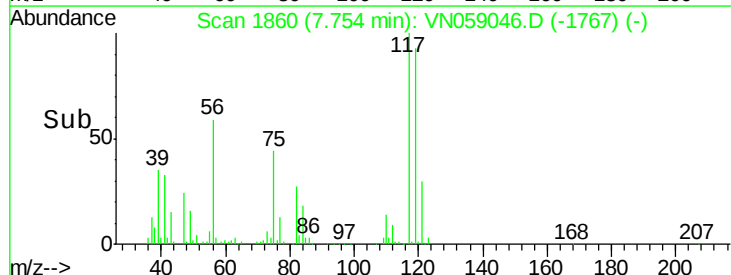
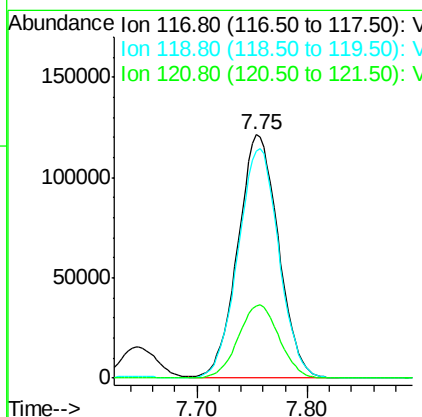
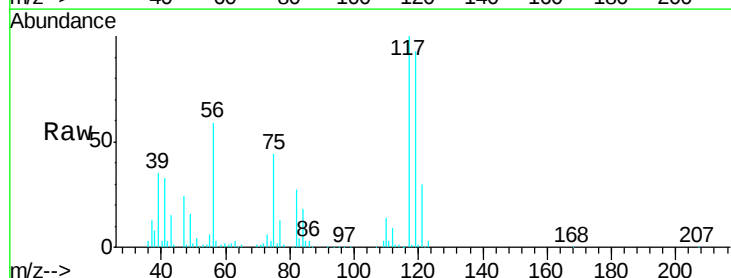
Manual Integrations
APPROVED

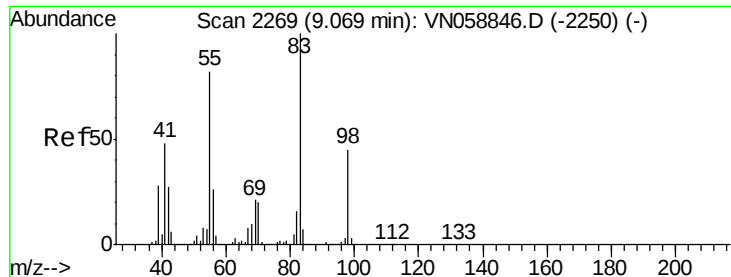
MMDadoda
11/4/2019 7:04:12 AM



#38
Carbon Tetrachloride
Concen: 48.475 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 117 Resp: 308177
Ion Ratio Lower Upper
117 100
119 93.2 75.7 113.5
121 29.7 25.0 37.6





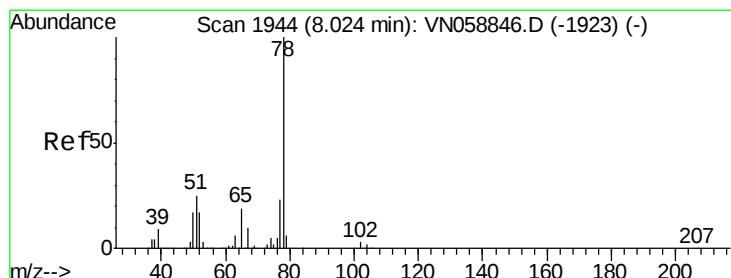
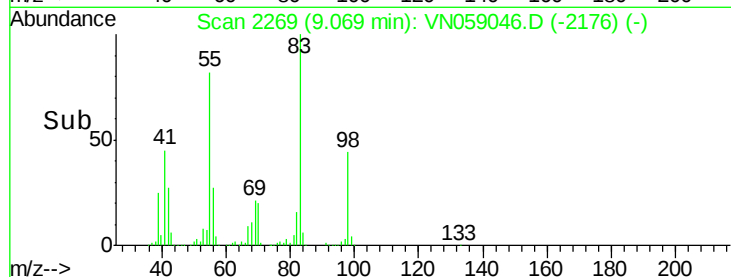
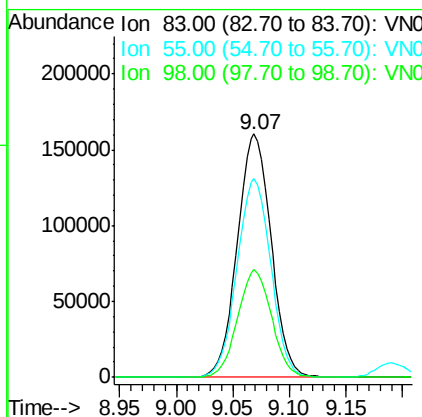
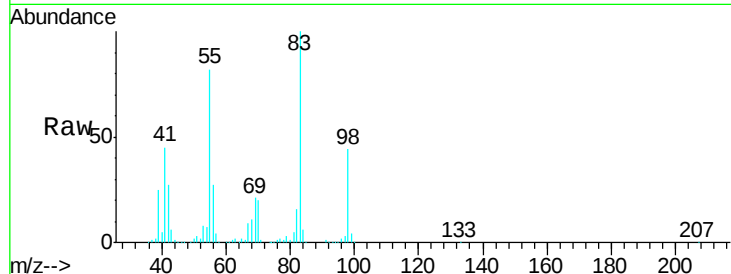
#39
Methylcyclohexane
Concen: 48.347 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.8	65.5	98.3
98	44.2	35.7	53.5

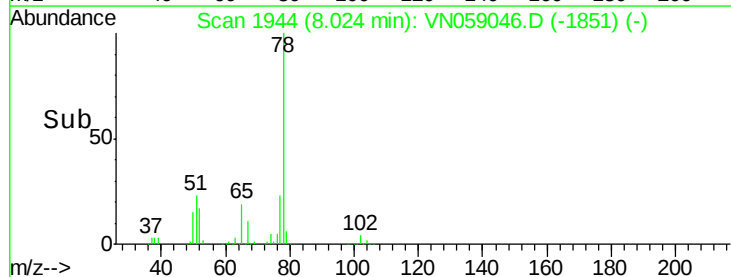
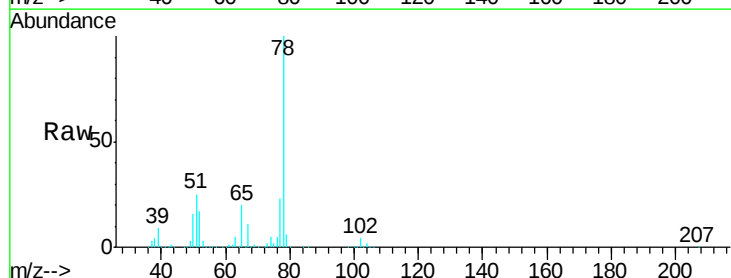
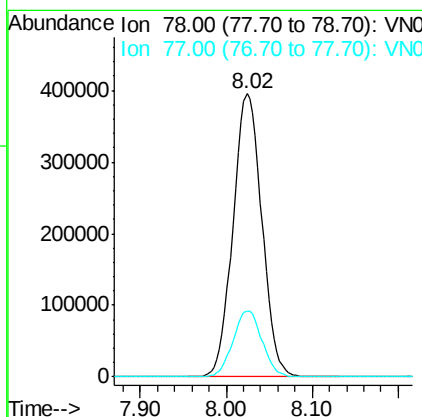
Manual Integrations
APPROVED

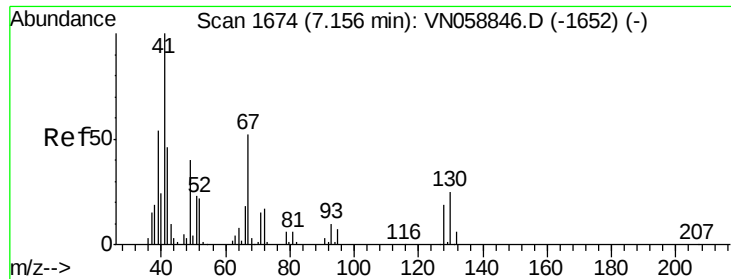
MMDadoda
11/4/2019 7:04:12 AM



#40
Benzene
Concen: 50.839 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.2





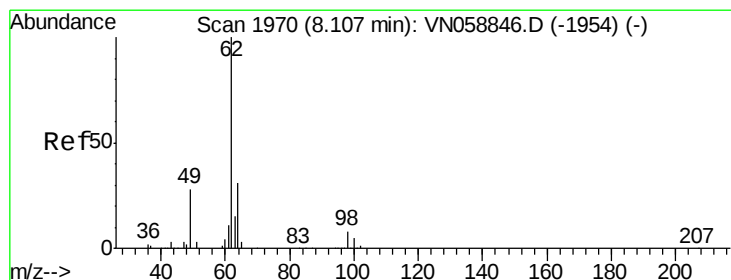
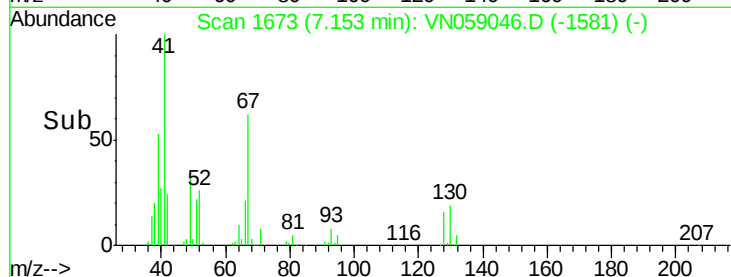
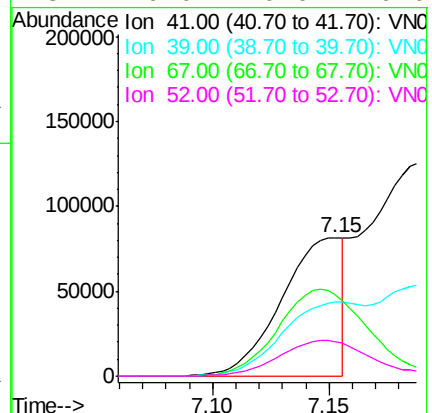
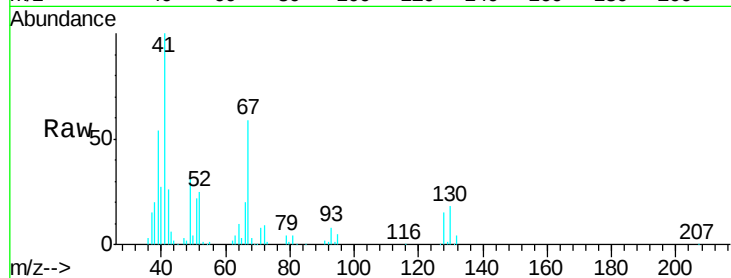
#41
Methacrylonitrile
Concen: 49.942 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

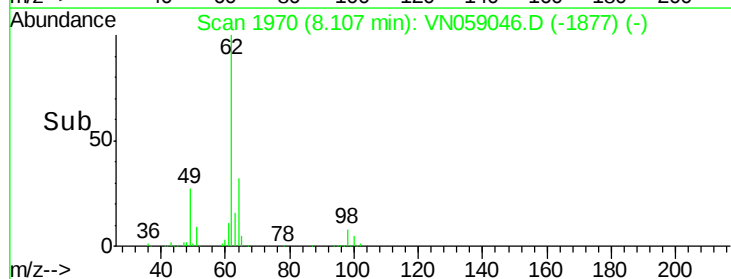
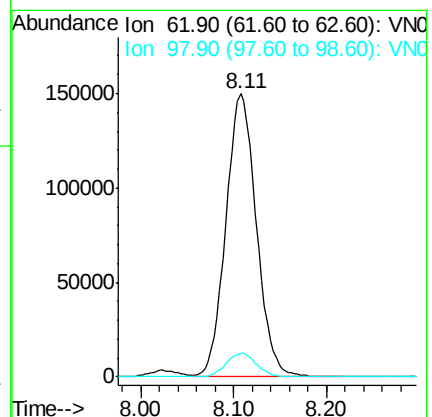
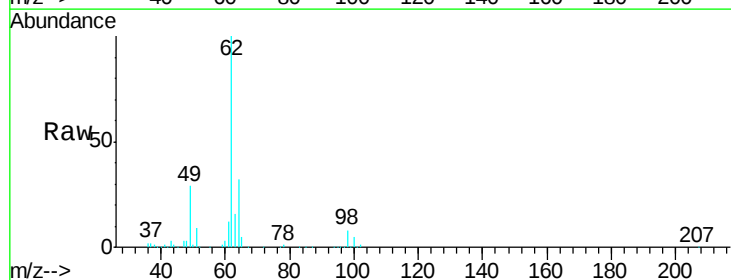
Manual Integrations
APPROVED

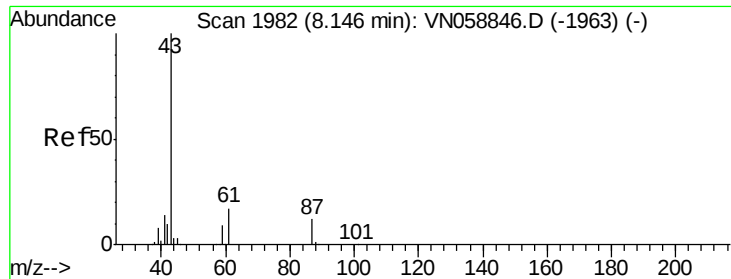
MMDadoda
11/4/2019 7:04:12 AM



#42
1,2-Dichloroethane
Concen: 48.839 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.2





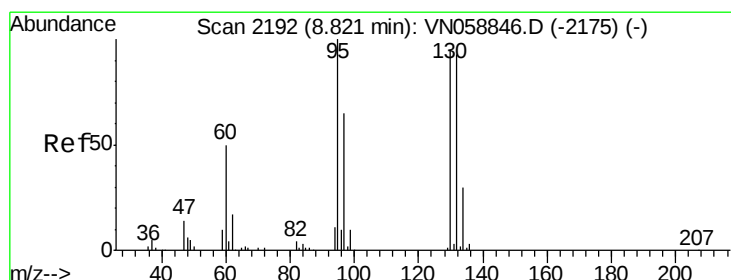
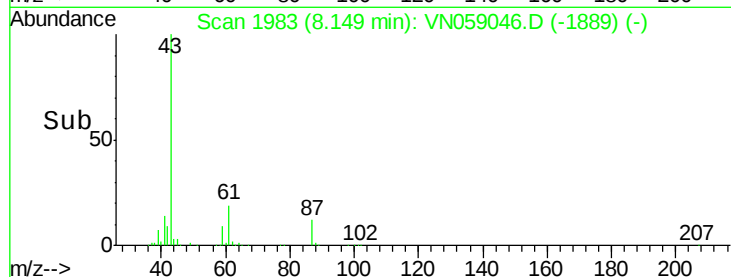
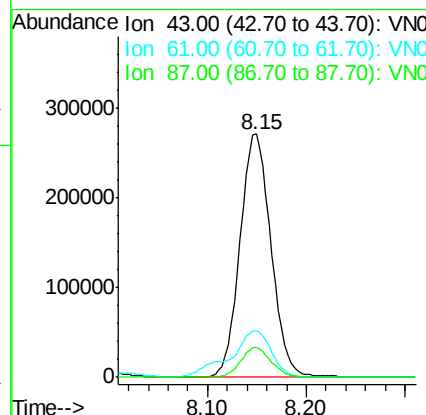
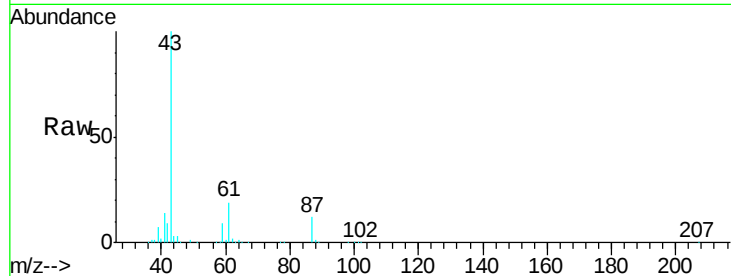
#43
Isopropyl Acetate
Concen: 54.512 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion	Ratio	Lower	Upper
43	100		
61	25.4	20.2	30.2
87	12.0	9.5	14.3

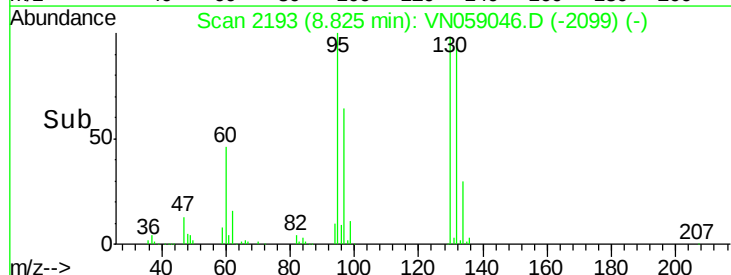
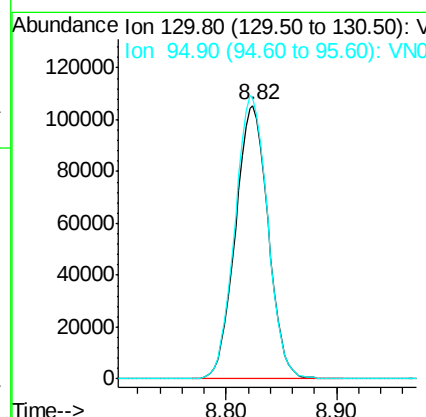
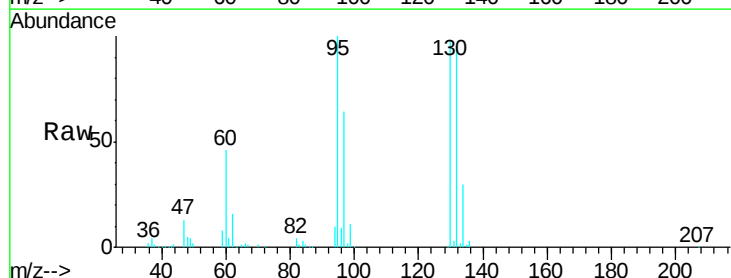
Manual Integrations
APPROVED

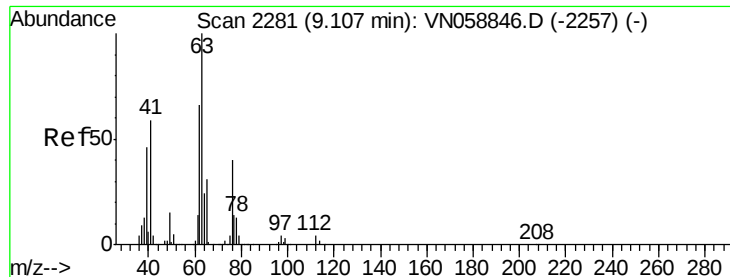
MMDadoda
11/4/2019 7:04:12 AM



#44
Trichloroethene
Concen: 49.091 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	209.6





#45

1,2-Dichloropropane

Concen: 52.662 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

SS003MW331-191030MS

Tgt Ion: 63 Resp: 261686

Ion Ratio Lower Upper

63 100

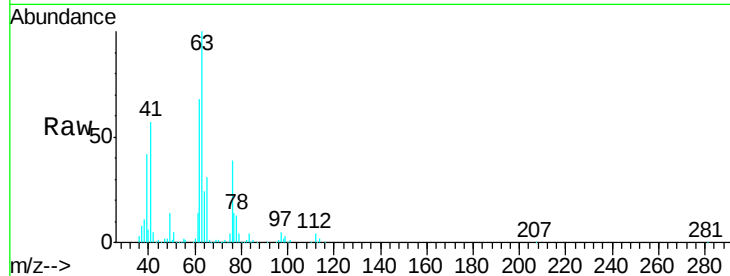
65 31.2 24.5 36.7

Manual Integrations

APPROVED

MMDadoda

11/4/2019 7:04:12 AM



Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-2257) (-)

Ion 64.90 (64.60 to 65.60): VN058846.D (-2257) (-)

9.11

150000

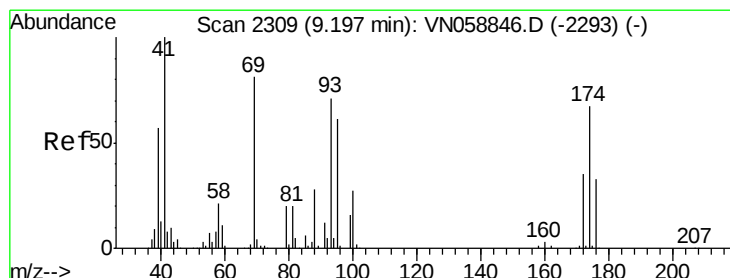
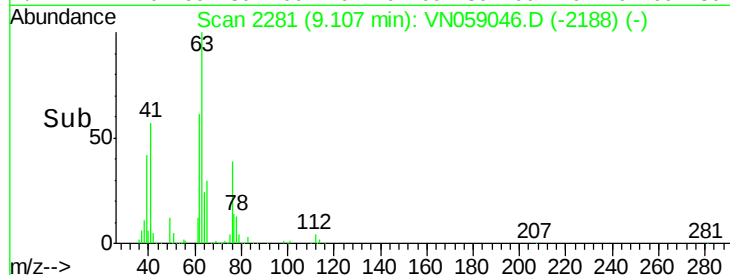
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 51.213 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

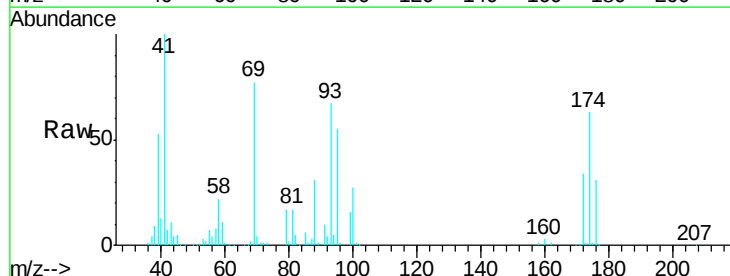
Tgt Ion: 93 Resp: 160879

Ion Ratio Lower Upper

93 100

95 82.2 67.6 101.4

174 95.4 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN058846.D (-2293) (-)

Ion 94.80 (94.50 to 95.50): VN058846.D (-2293) (-)

Ion 173.70 (173.40 to 174.40): VN058846.D (-2293) (-)

9.20

100000

80000

60000

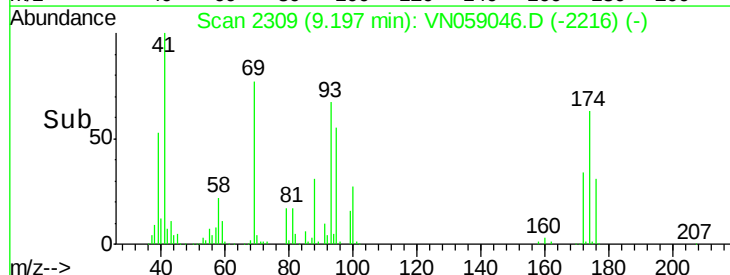
40000

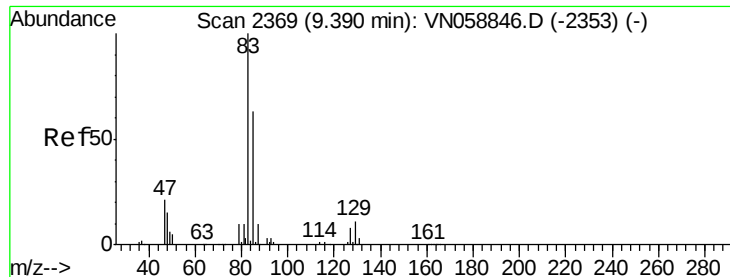
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 51.947 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

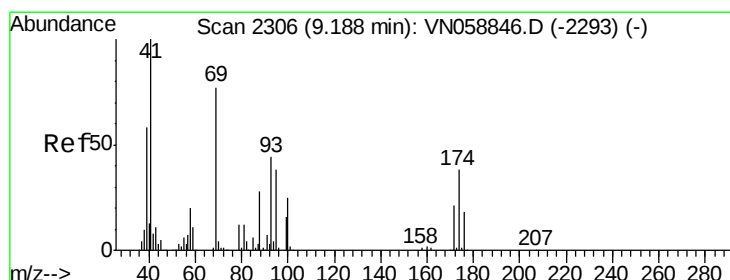
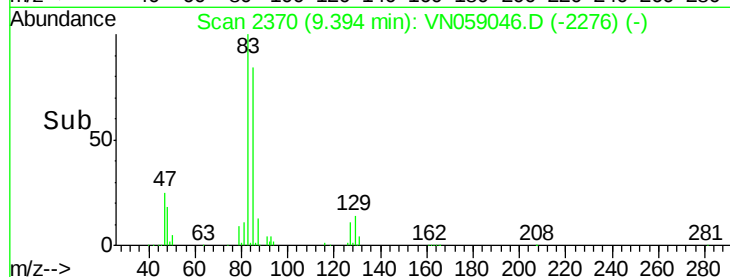
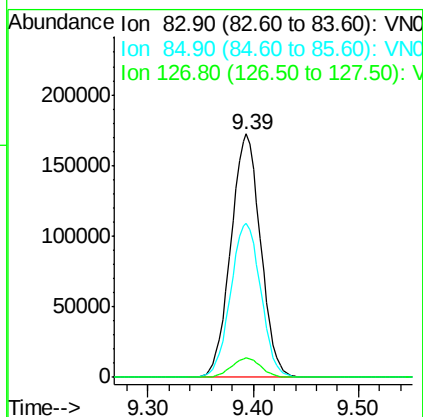
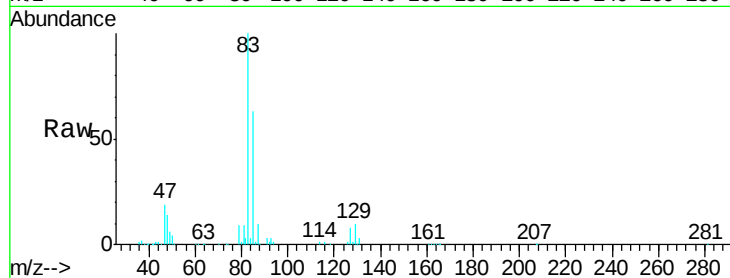
ClientSampleId :

SS003MW331-191030MS

Tgt Ion:	83	Resp:	336336
Ion Ratio	Lower	Upper	
83	100		
85	63.1	50.6	75.8
127	8.1	6.5	9.7

Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:12 AM



#48

Methyl methacrylate

Concen: 55.836 ug/l

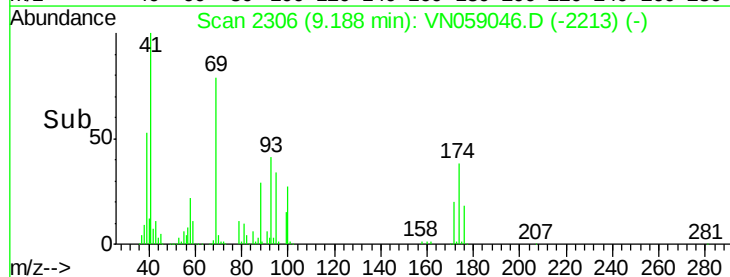
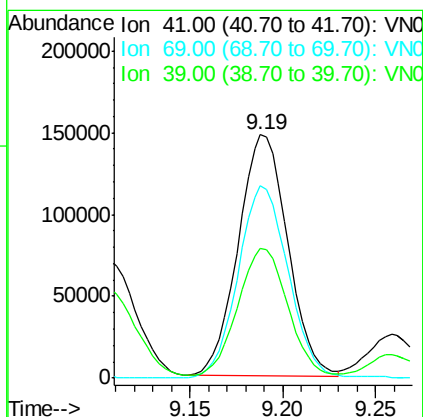
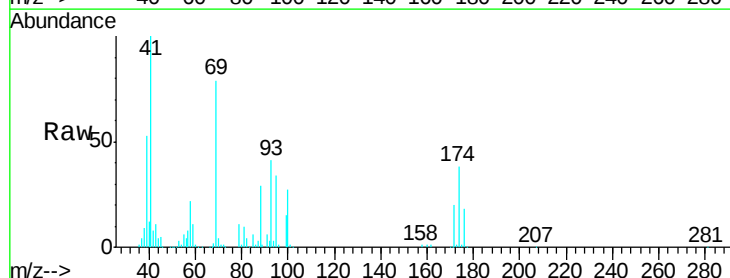
RT: 9.19 min Scan# 2306

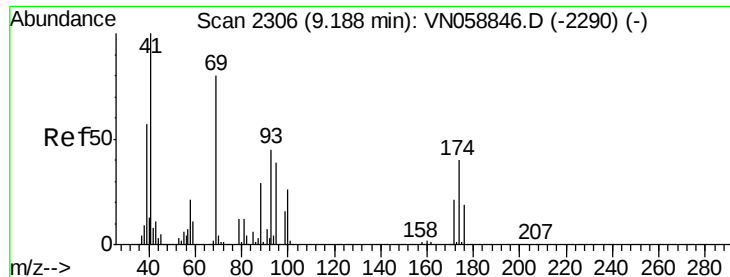
Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Tgt Ion:	41	Resp:	273193
Ion Ratio	Lower	Upper	
41	100		
69	81.3	63.8	95.6
39	54.9	47.8	71.8





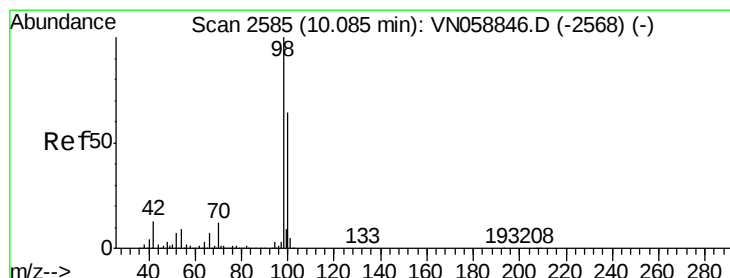
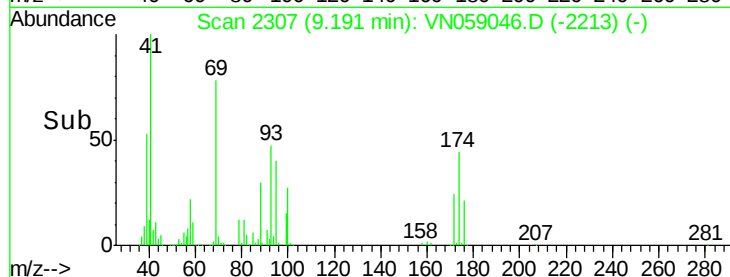
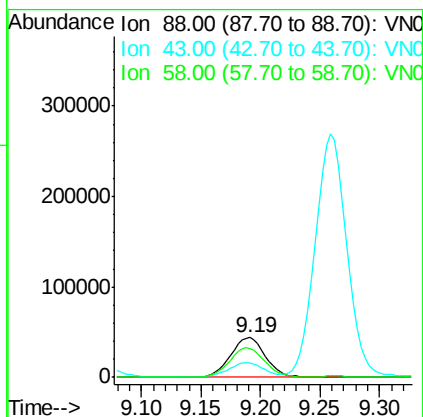
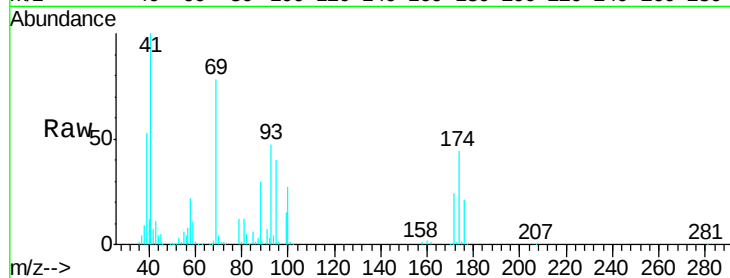
#49
1,4-Dioxane
Concen: 1119.378 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.7	29.1	43.7
58	74.9	59.4	89.0

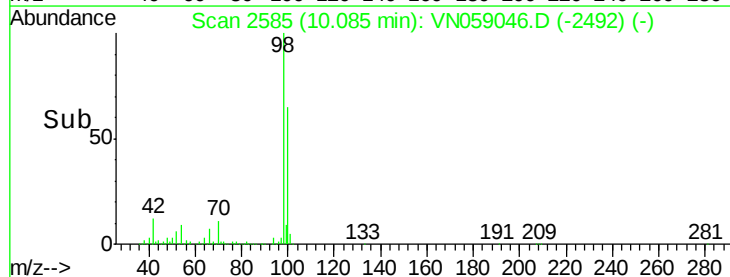
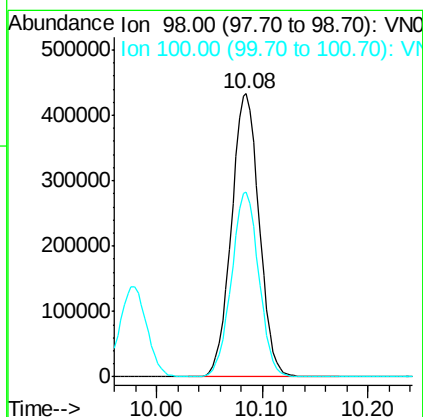
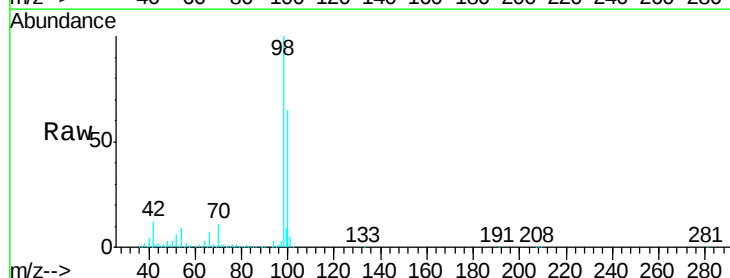
Manual Integrations
APPROVED

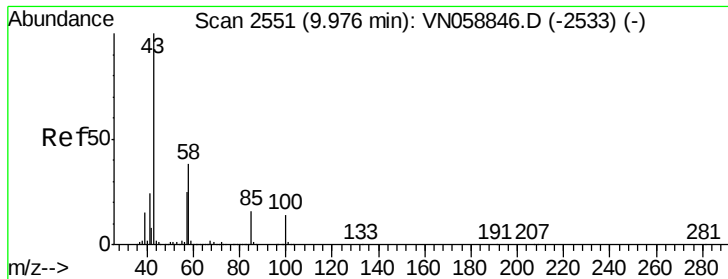
MMDadoda
11/4/2019 7:04:12 AM



#50
Toluene-d8
Concen: 51.206 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.2





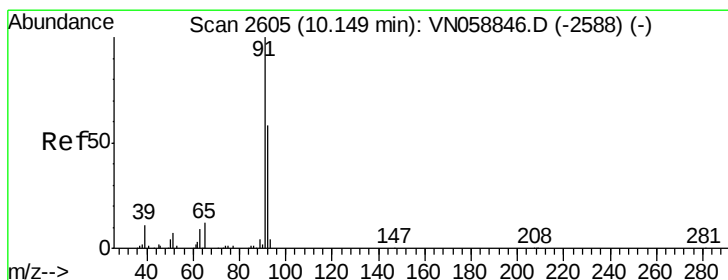
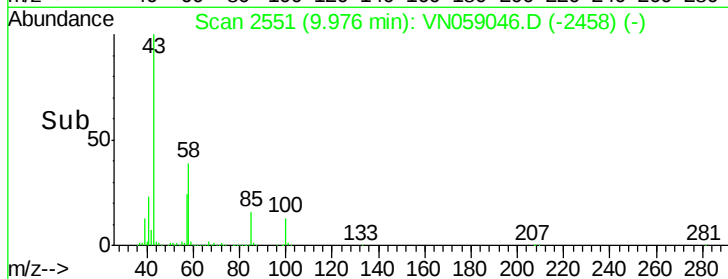
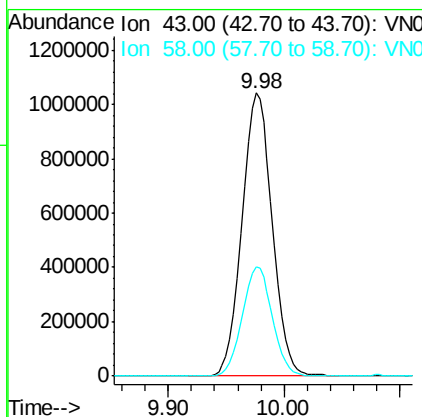
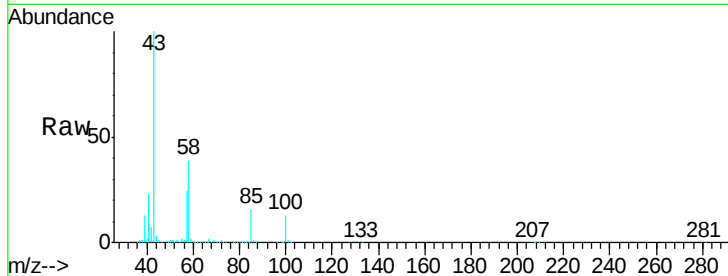
#51
 4-Methyl-2-Pentanone
 Concen: 298.402 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 SS003MW331-191030MS

Tgt Ion: 43 Resp: 1879615
 Ion Ratio Lower Upper
 43 100
 58 38.6 29.9 44.9

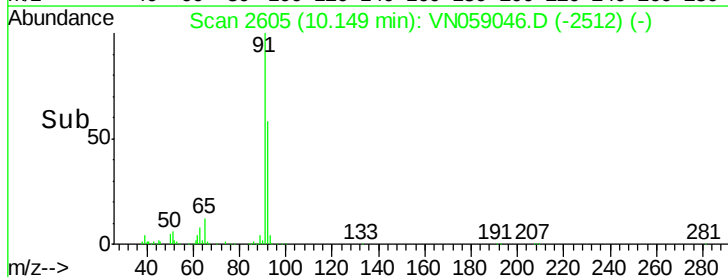
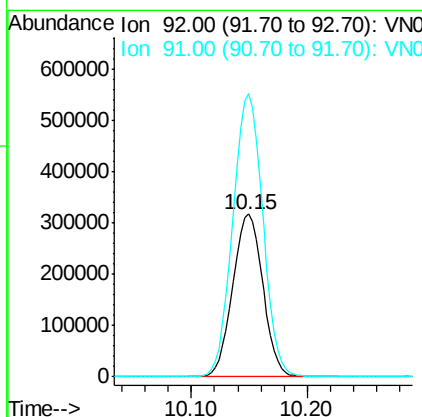
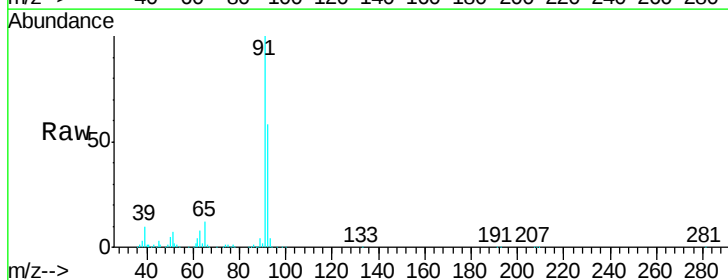
Manual Integrations
 APPROVED

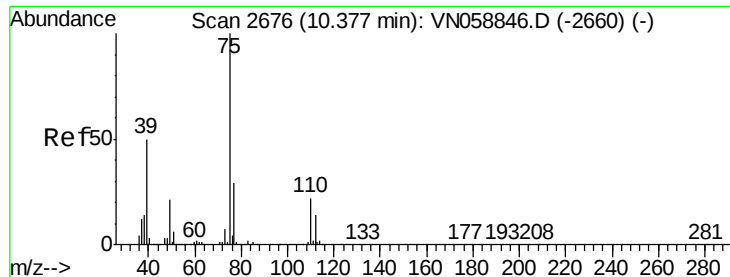
MMDadoda
 11/4/2019 7:04:12 AM



#52
 Toluene
 Concen: 52.936 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Tgt Ion: 92 Resp: 568863
 Ion Ratio Lower Upper
 92 100
 91 173.5 138.9 208.3





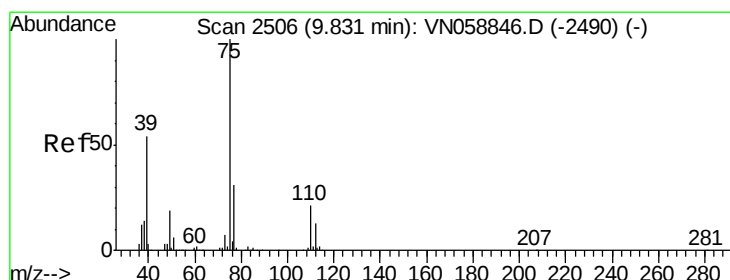
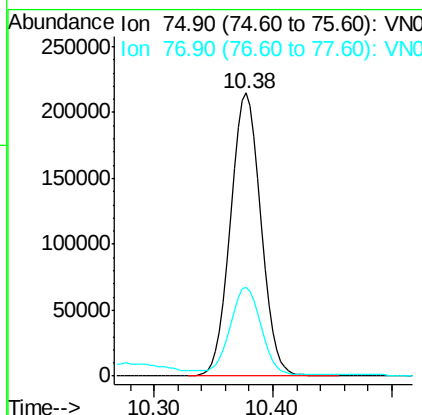
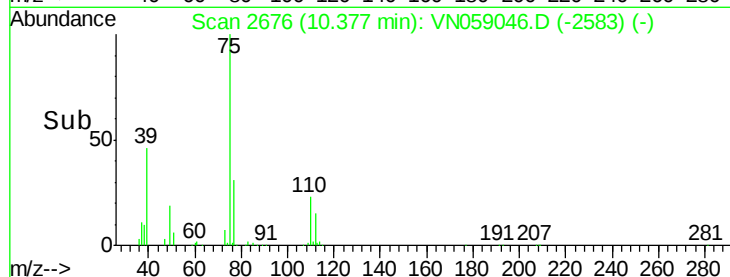
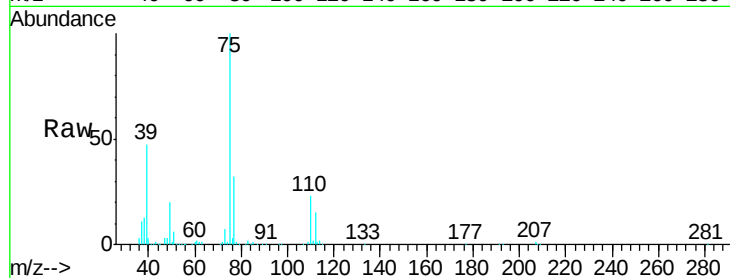
#53
t-1,3-Dichloropropene
Concen: 53.195 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion: 75 Resp: 381279
Ion Ratio Lower Upper
75 100
77 31.0 25.7 38.5

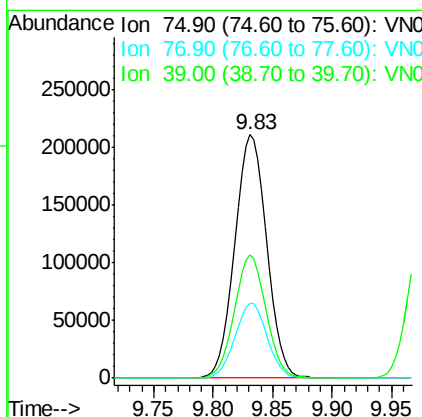
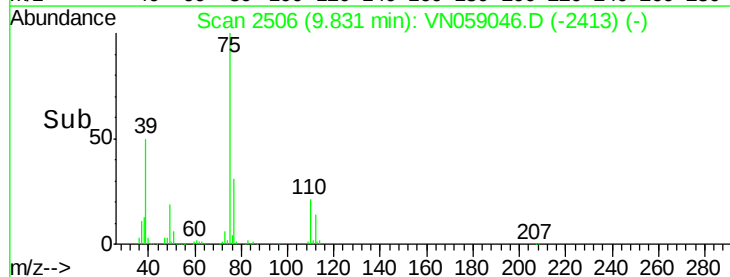
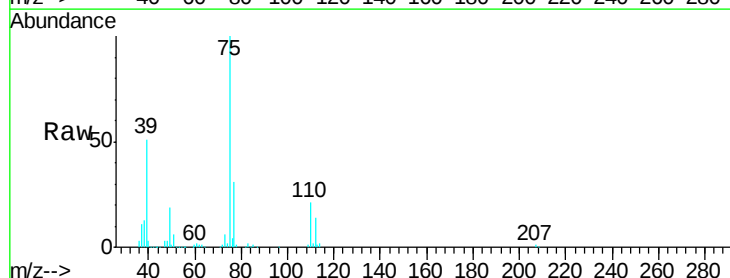
Manual Integrations
APPROVED

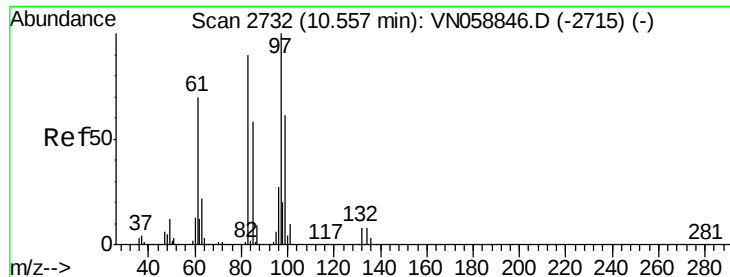
MMDadoda
11/4/2019 7:04:12 AM



#54
cis-1,3-Dichloropropene
Concen: 51.287 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 75 Resp: 392738
Ion Ratio Lower Upper
75 100
77 30.8 24.7 37.1
39 50.5 43.5 65.3





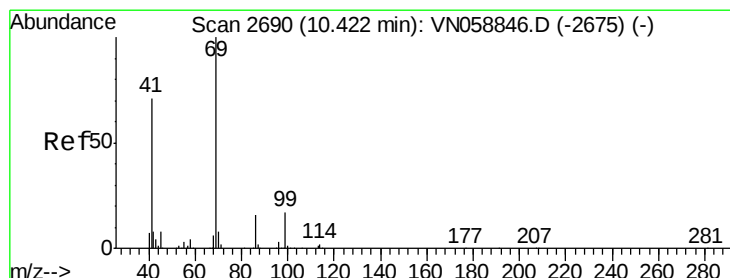
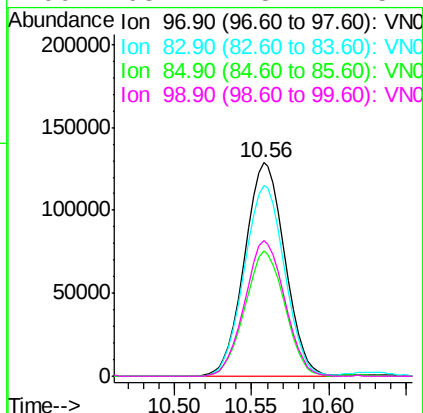
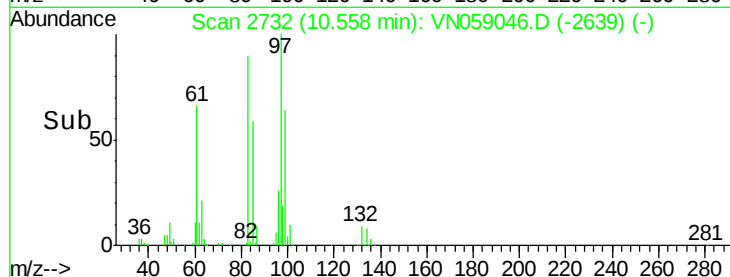
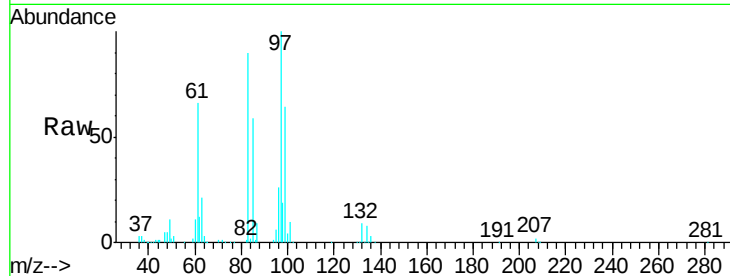
#55
 1,1,2-Trichloroethane
 Concen: 52.903 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 SS003MW331-191030MS

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.6	72.2	108.4
85	58.6	46.2	69.2
99	63.4	48.7	73.1

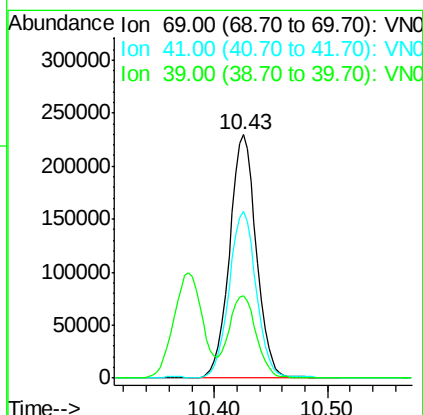
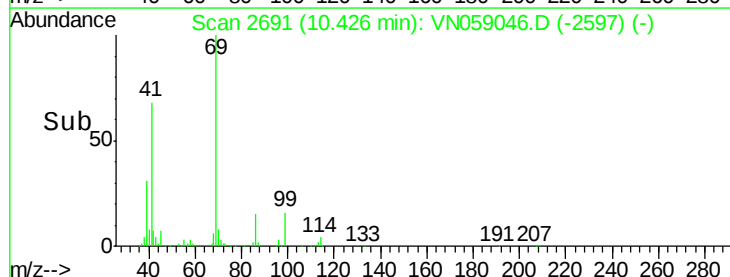
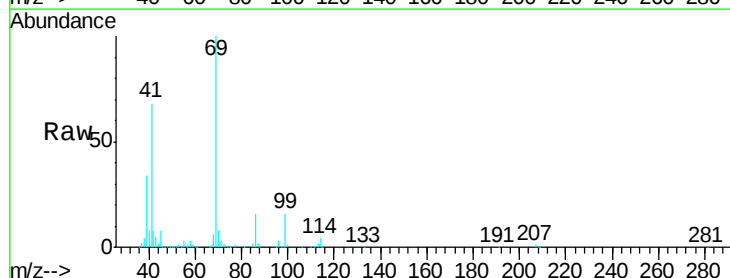
Manual Integrations
 APPROVED

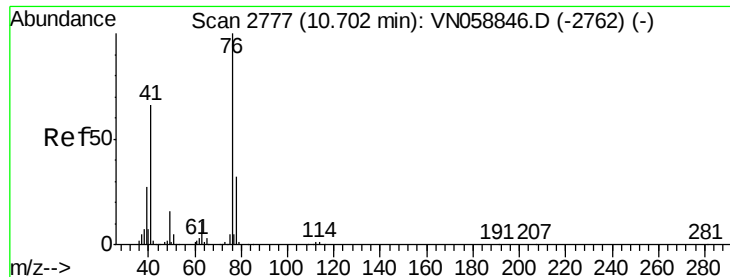
MMDadoda
 11/4/2019 7:04:12 AM



#56
 Ethyl methacrylate
 Concen: 50.681 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.3	57.2	85.8
39	34.2	31.0	46.4





#57

1,3-Dichloropropane

Concen: 52.861 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

SS003MW331-191030MS

Tgt Ion: 76 Resp: 410719

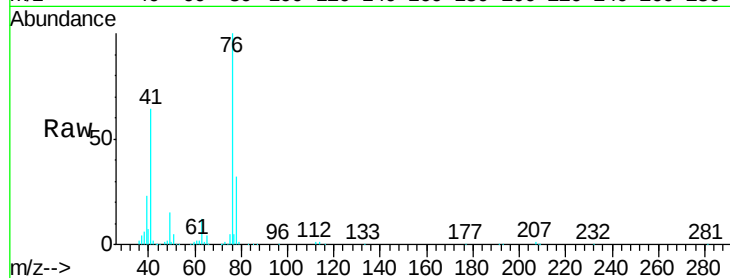
Ion Ratio Lower Upper

76 100

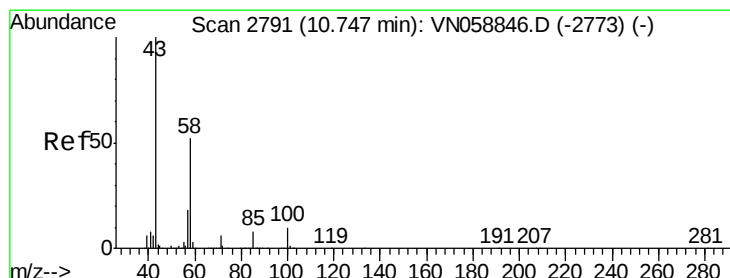
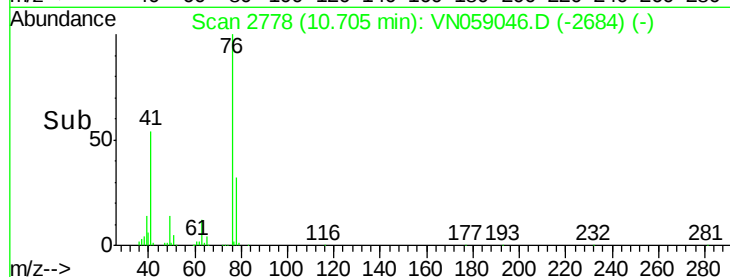
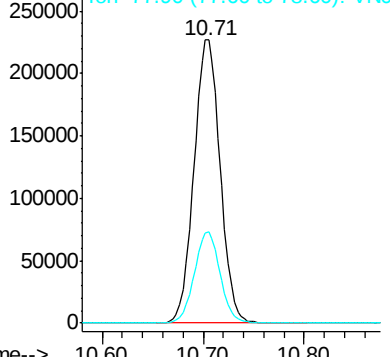
78 31.8 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:12 AM



Abundance Ion 75.90 (75.60 to 76.60): VN058846.D (-2762) (-)



#59

2-Hexanone

Concen: 291.171 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN059046.D

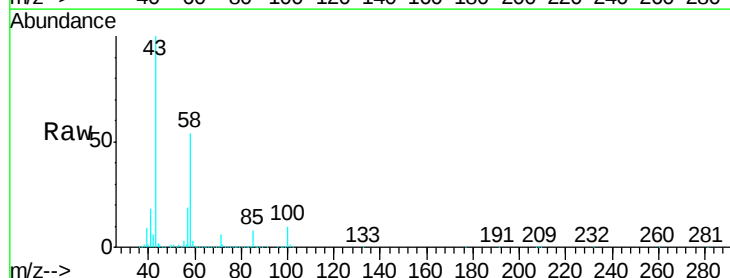
Acq: 31 Oct 2019 17:50

Tgt Ion: 43 Resp: 1417246

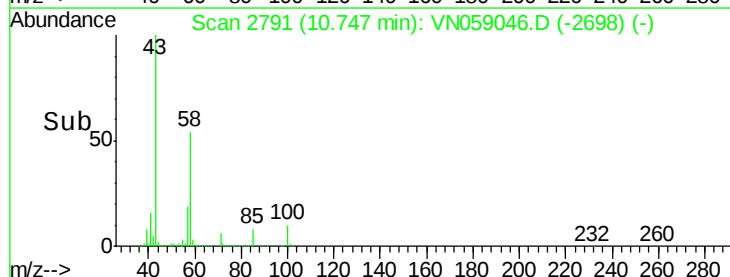
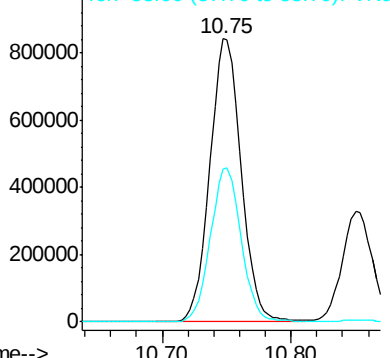
Ion Ratio Lower Upper

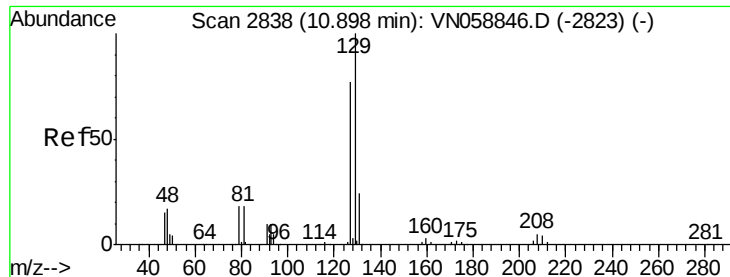
43 100

58 53.9 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2773) (-)





#60

Dibromochloromethane

Concen: 55.056 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

SS003MW331-191030MS

Tgt Ion:129 Resp: 262342

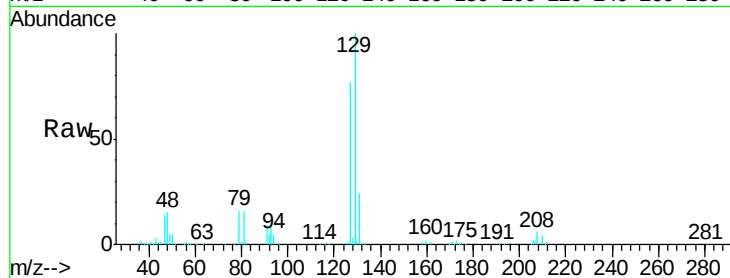
Ion Ratio Lower Upper

129 100

127 77.0 39.1 117.3

Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:12 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

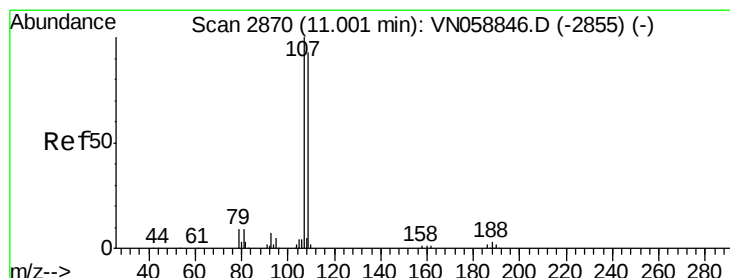
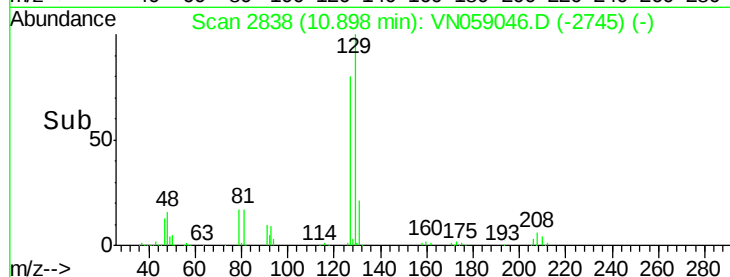
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#61

1,2-Dibromoethane

Concen: 53.690 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN059046.D

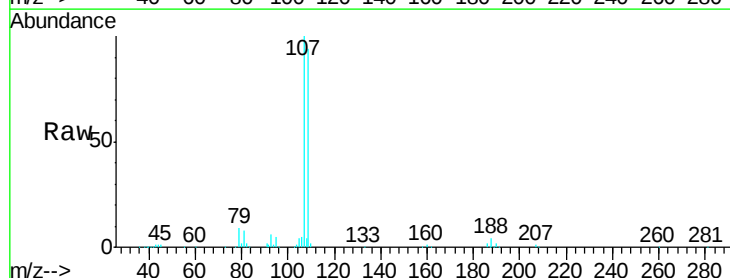
Acq: 31 Oct 2019 17:50

Tgt Ion:107 Resp: 243241

Ion Ratio Lower Upper

107 100

109 94.1 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

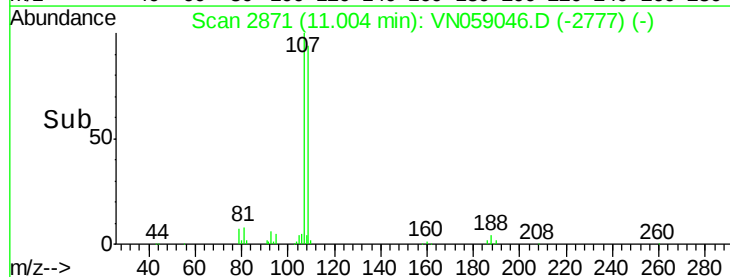
150000

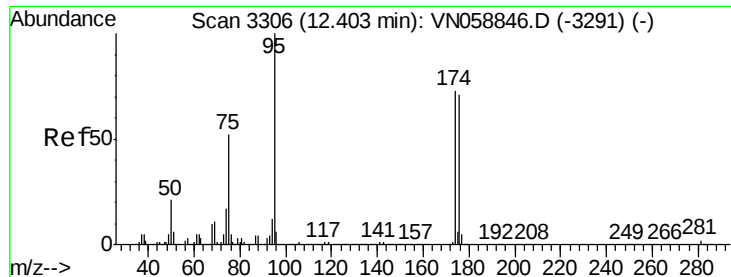
100000

50000

0

Time--> 10.90 11.00 11.10





#62

4-Bromofluorobenzene

Concen: 53.512 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

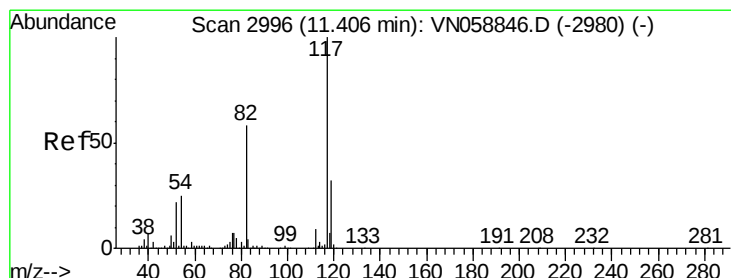
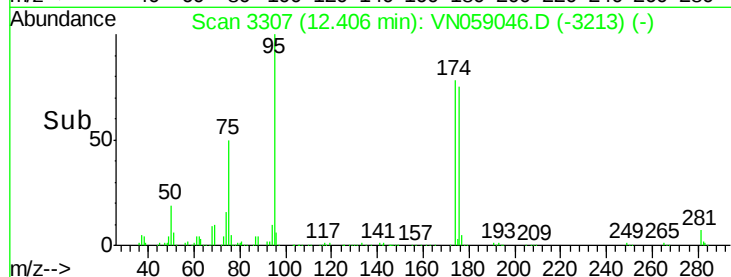
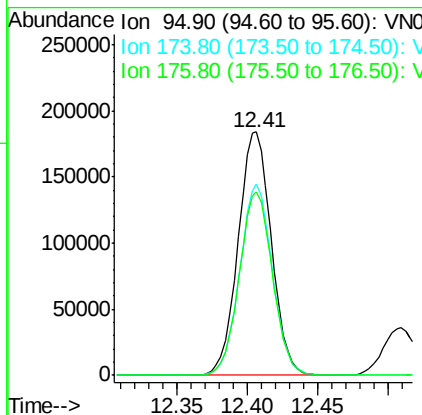
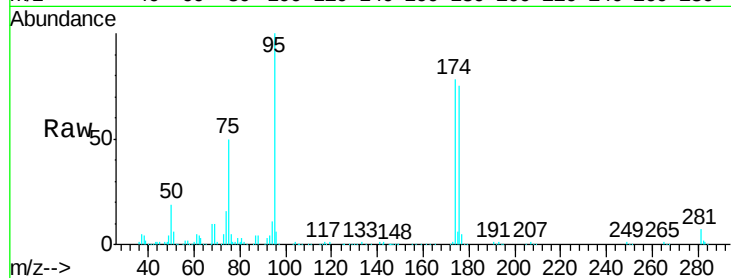
ClientSampleId :

SS003MW331-191030MS

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	302314		
174	77.8	0.0	147.6	
176	75.7	0.0	143.2	

Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:12 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

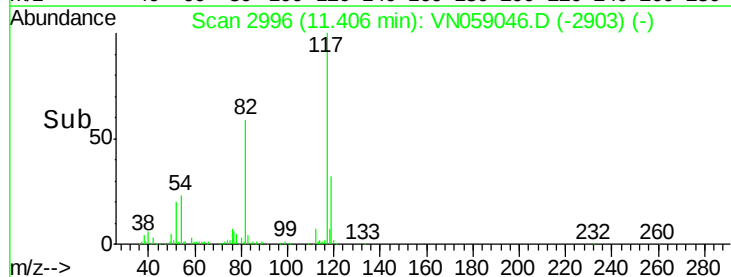
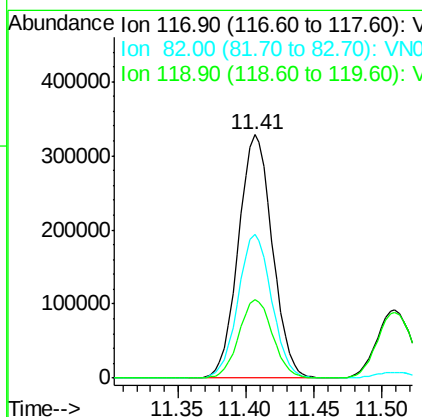
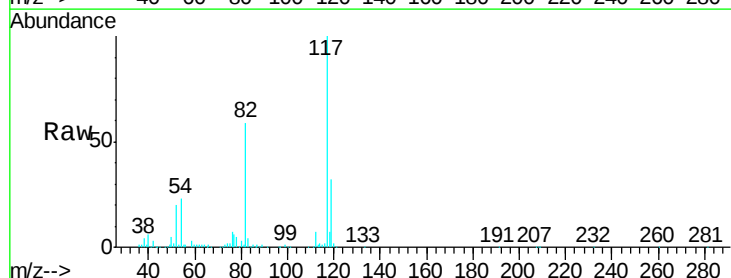
RT: 11.41 min Scan# 2996

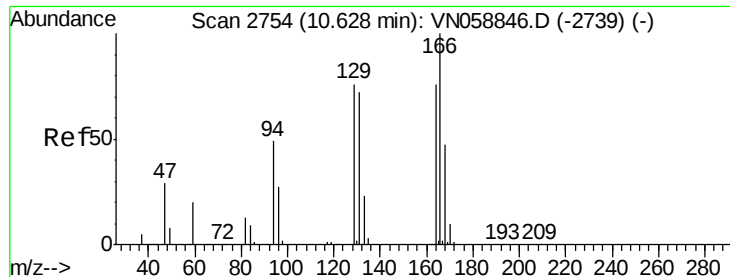
Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	568328		
82	59.0	46.6	69.8	
119	32.5	25.6	38.4	





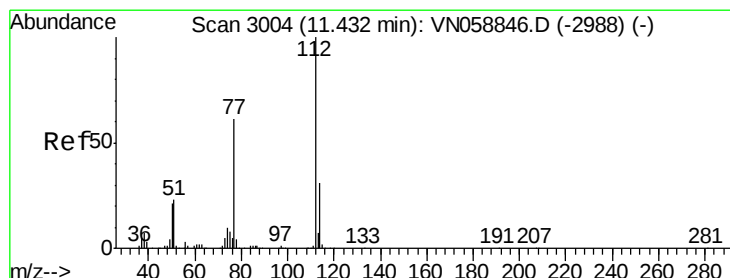
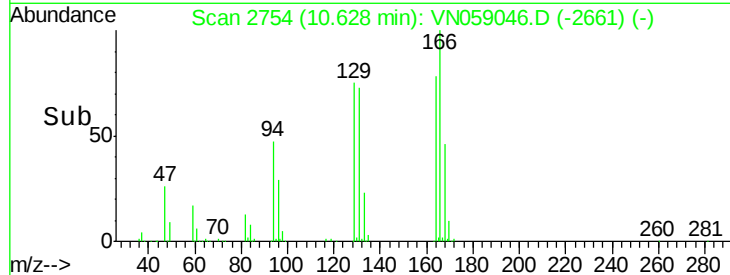
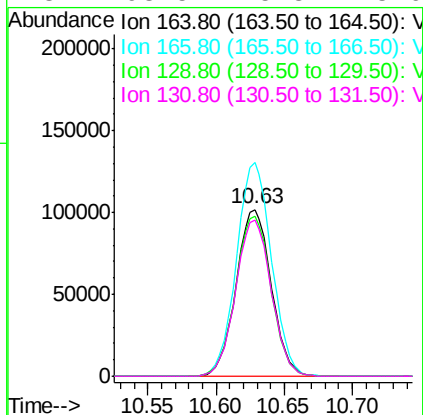
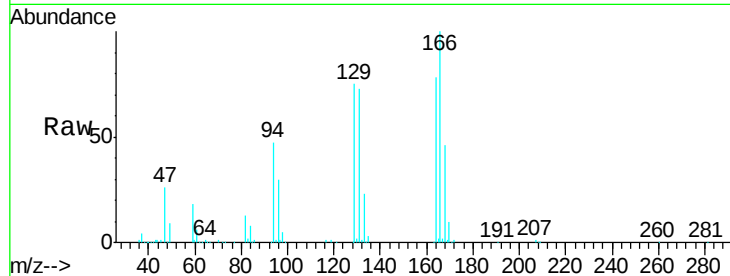
#64
Tetrachloroethene
Concen: 45.662 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	181743		
166	128.3	104.8	157.2	
129	95.9	79.3	118.9	
131	93.5	75.8	113.6	

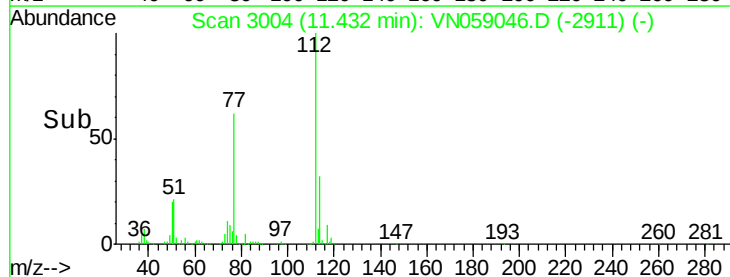
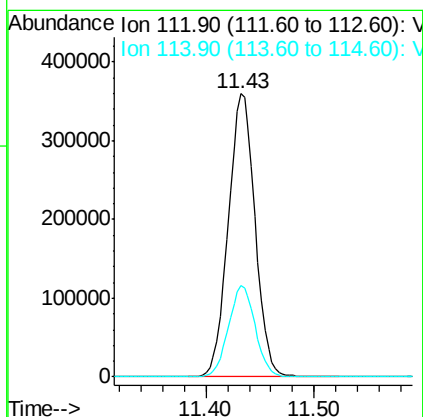
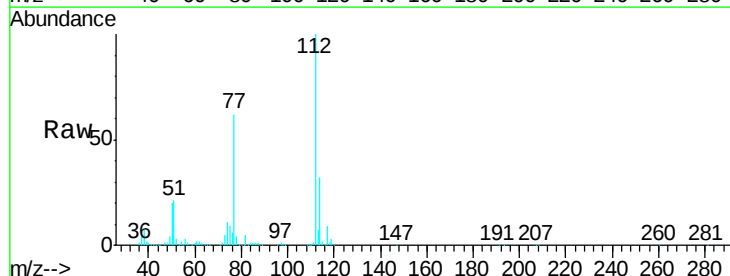
Manual Integrations
APPROVED

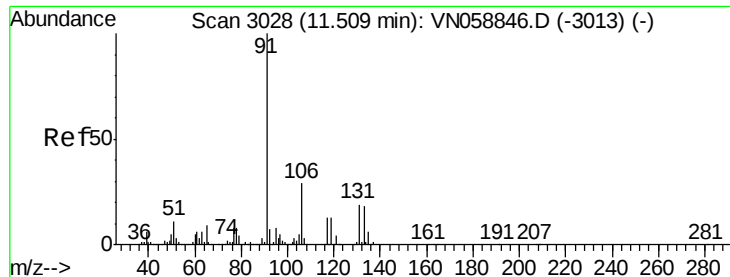
MMDadoda
11/4/2019 7:04:12 AM



#65
Chlorobenzene
Concen: 53.799 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	622477		
114	32.1	25.1	37.7	





#66

1,1,1,2-Tetrachloroethane

Concen: 53.342 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

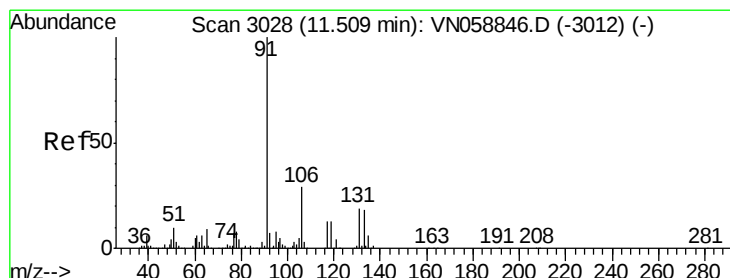
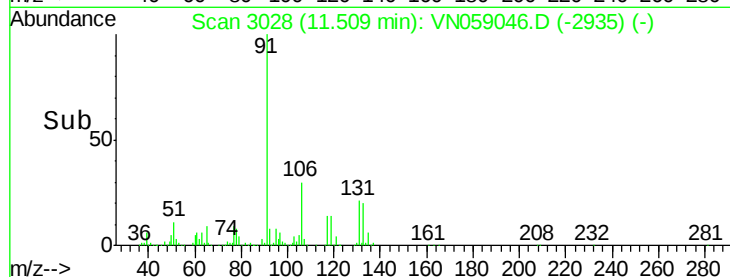
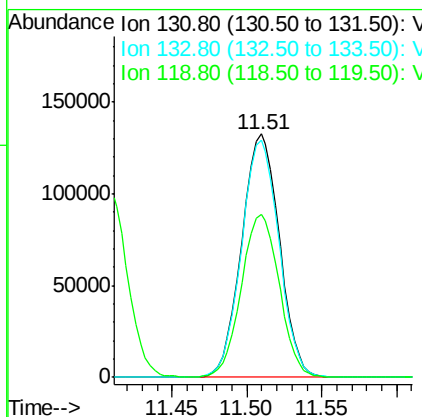
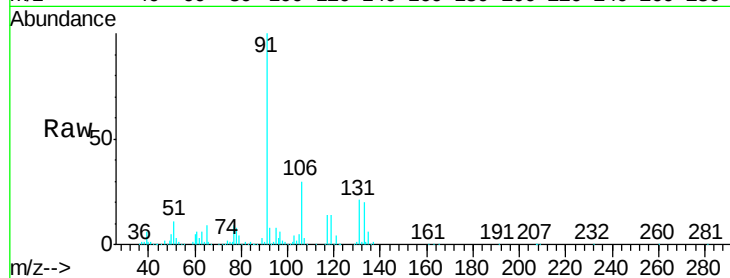
ClientSampleId :

SS003MW331-191030MS

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	232902		
133	97.5	48.4	145.2	
119	67.5	33.6	100.8	

Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:12 AM



#67

Ethyl Benzene

Concen: 54.533 ug/l

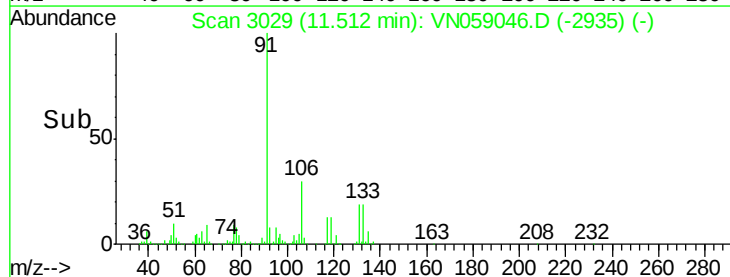
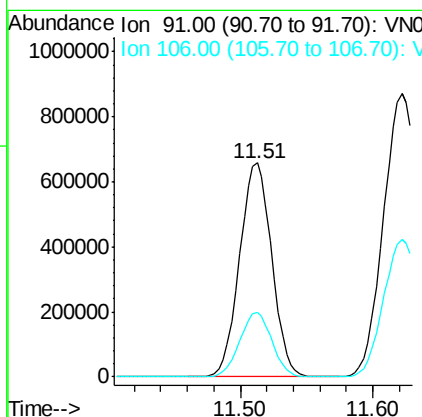
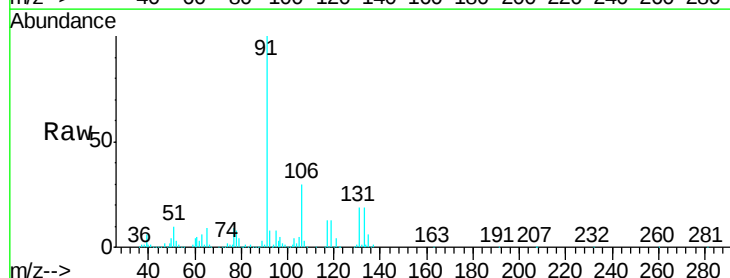
RT: 11.51 min Scan# 3029

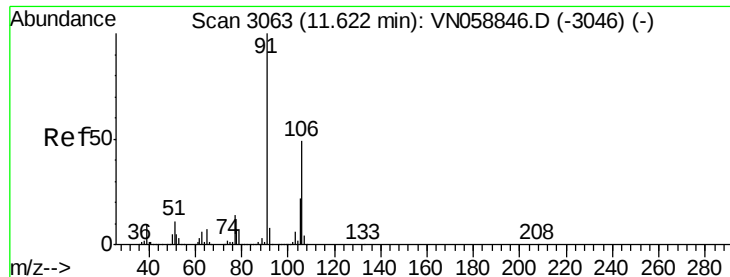
Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1106863		
106	30.2	23.4	35.0	





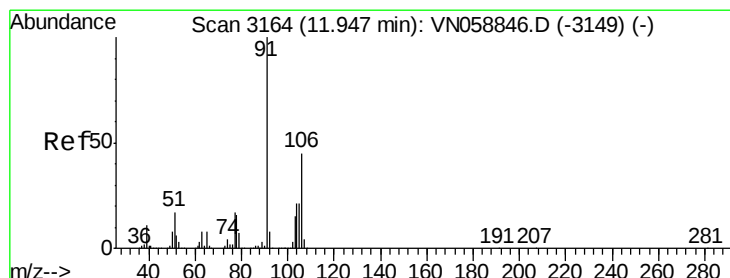
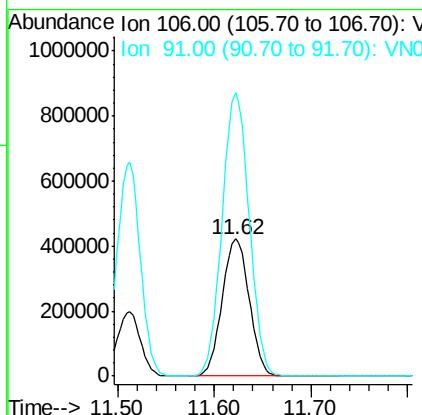
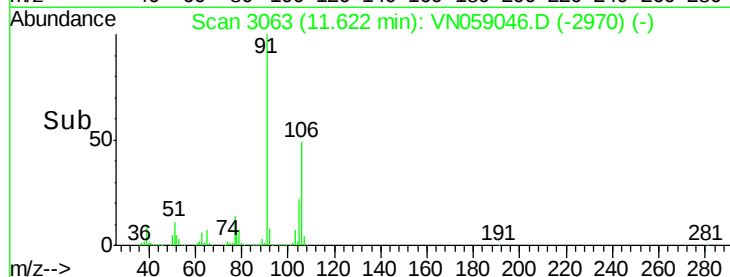
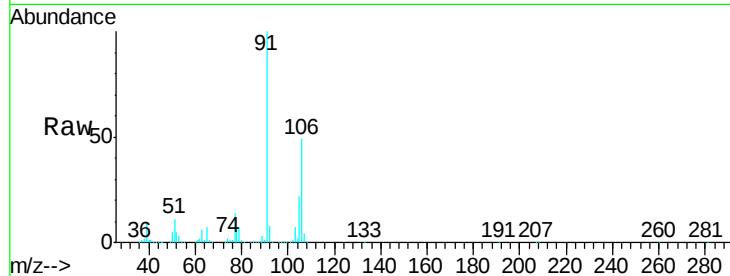
#68
m/p-Xylenes
Concen: 109.168 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion:106 Resp: 821719
Ion Ratio Lower Upper
106 100
91 206.4 166.6 249.8

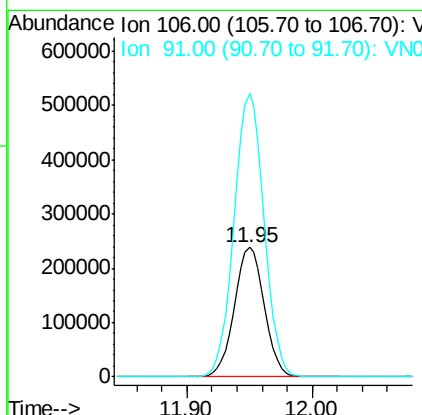
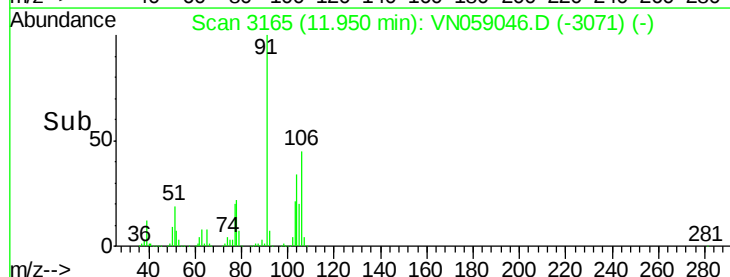
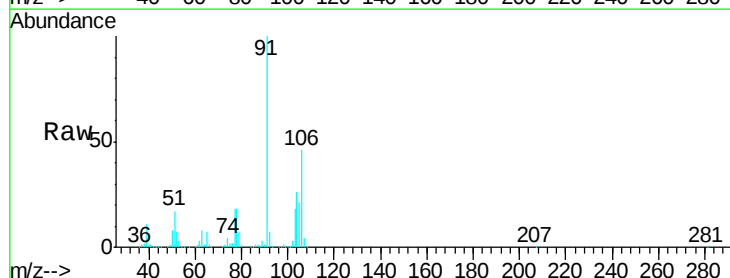
Manual Integrations
APPROVED

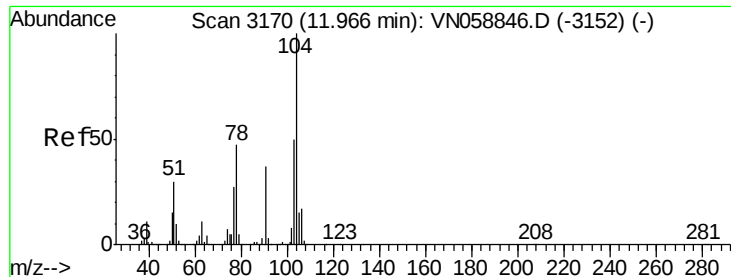
MMDadoda
11/4/2019 7:04:12 AM



#69
o-Xylene
Concen: 54.883 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion:106 Resp: 393997
Ion Ratio Lower Upper
106 100
91 220.2 111.5 334.4





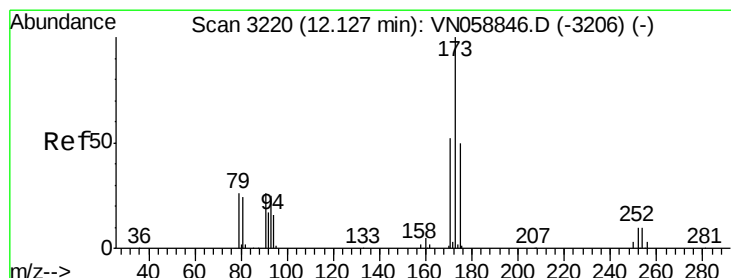
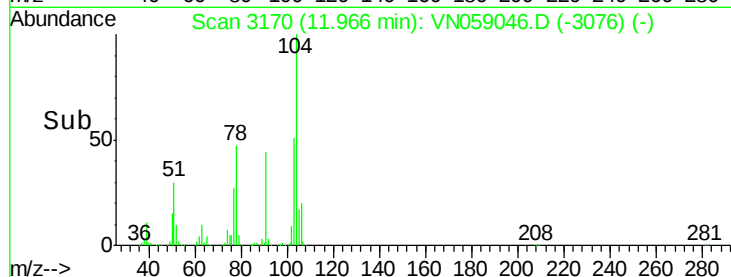
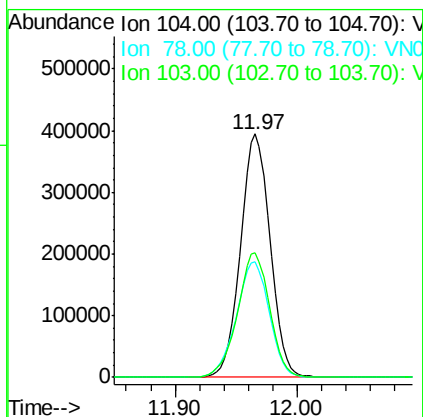
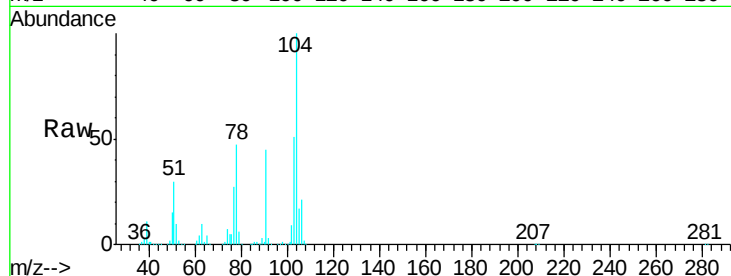
#70
Styrene
Concen: 49.784 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	659599		
78	52.9	42.8	64.2	
103	55.5	44.3	66.5	

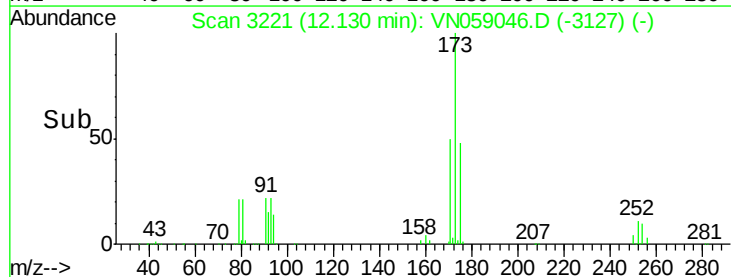
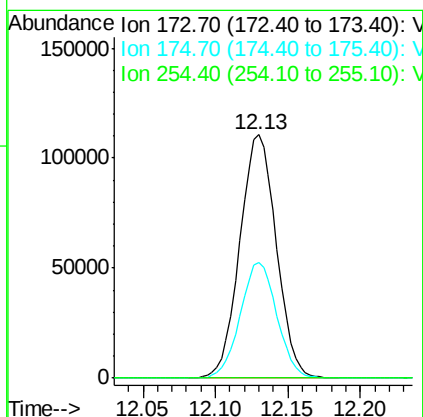
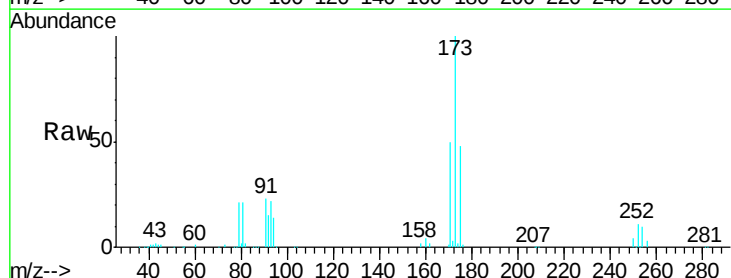
Manual Integrations
APPROVED

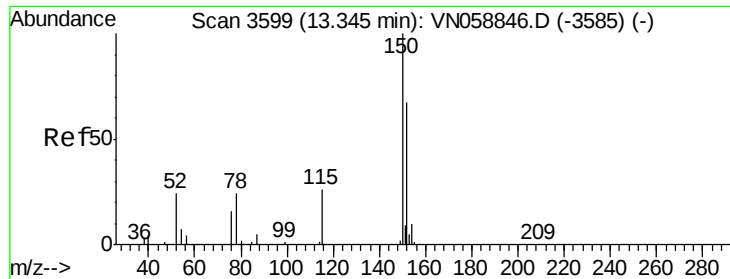
MMDadoda
11/4/2019 7:04:12 AM



#71
Bromoform
Concen: 57.177 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	193584		
175	47.6	24.7	74.1	
254	0.0	0.0	0.0#	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

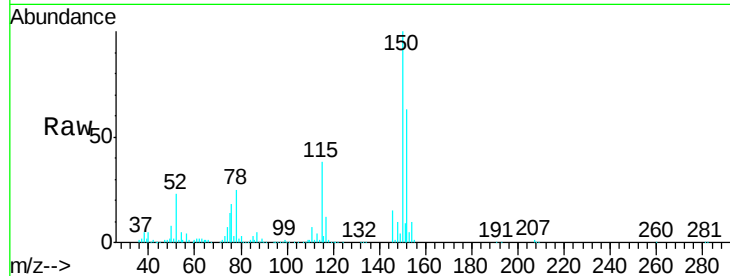
ClientSampleId :

SS003MW331-191030MS

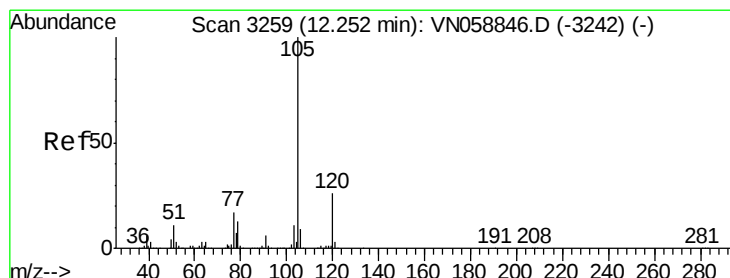
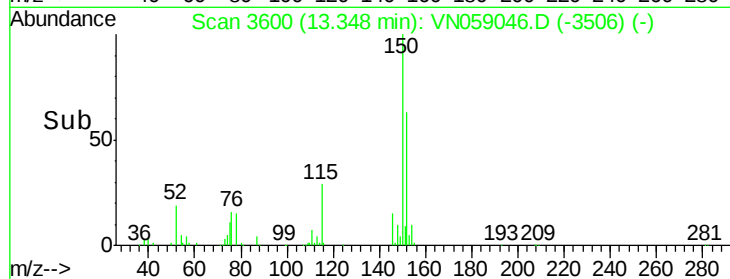
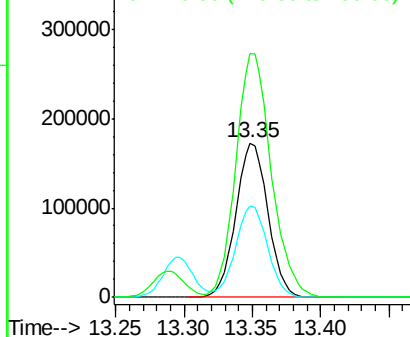
Tgt Ion:	152	Resp:	281676
Ion Ratio	Lower	Upper	
152	100		
115	59.4	30.5	91.5
150	174.3	0.0	344.4

Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:12 AM



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



#73

Isopropylbenzene

Concen: 51.918 ug/l

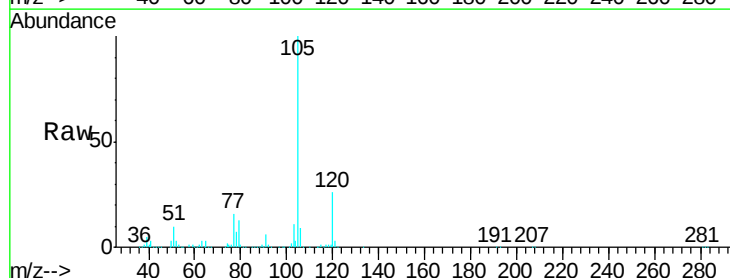
RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

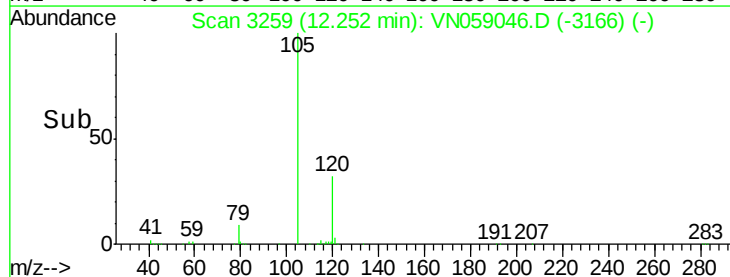
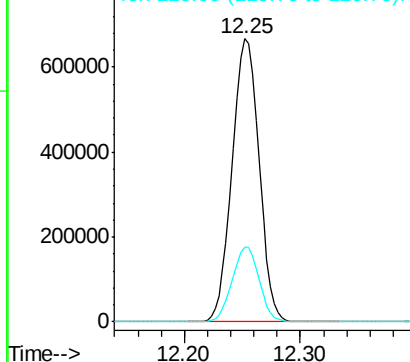
Lab File: VN059046.D

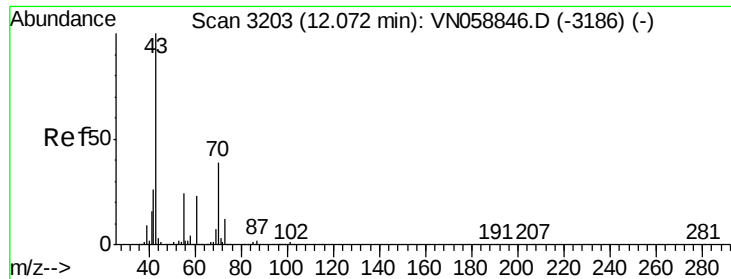
Acq: 31 Oct 2019 17:50

Tgt Ion:	105	Resp:	1068735
Ion Ratio	Lower	Upper	
105	100		
120	26.4	12.8	38.4



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





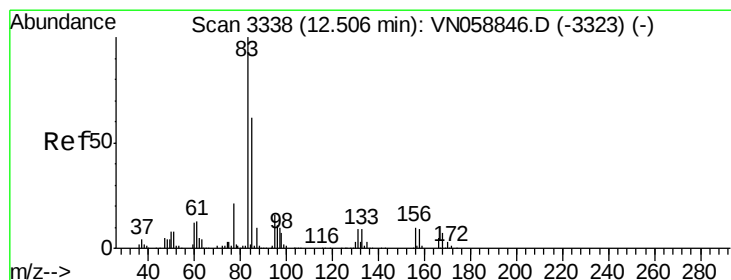
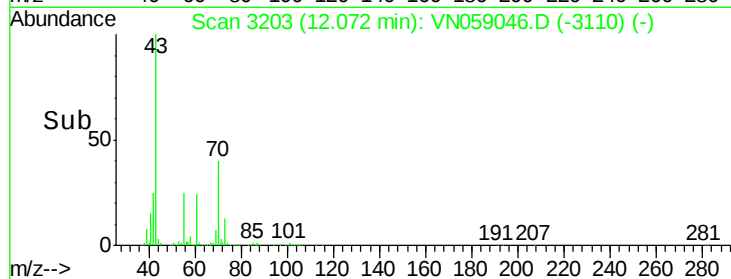
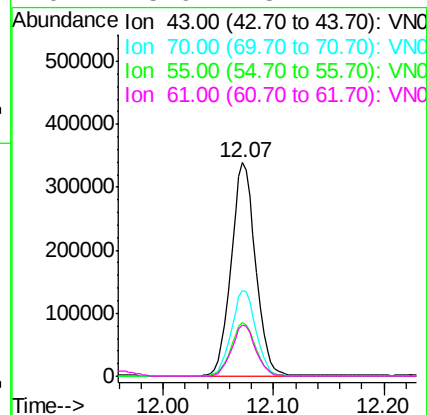
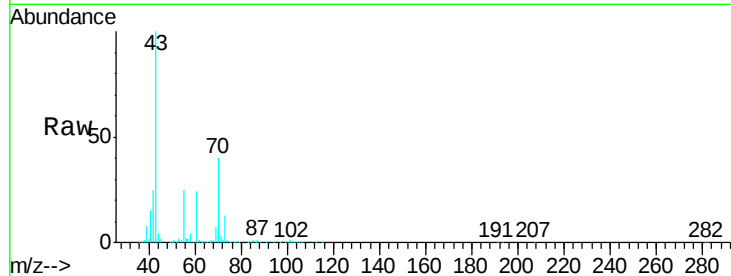
#74
N-ethyl acetate
Concen: 55.512 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.7	30.9	46.3
55	25.5	19.7	29.5
61	23.9	18.2	27.4

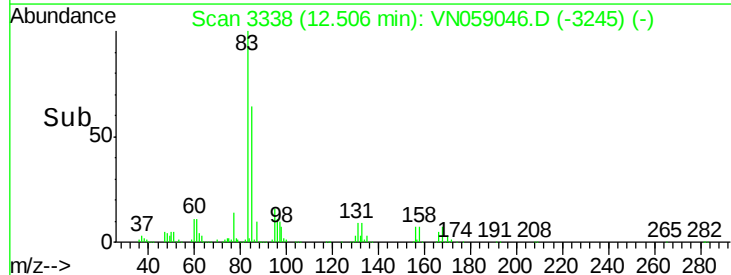
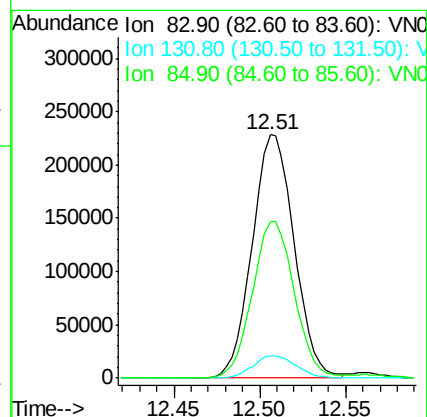
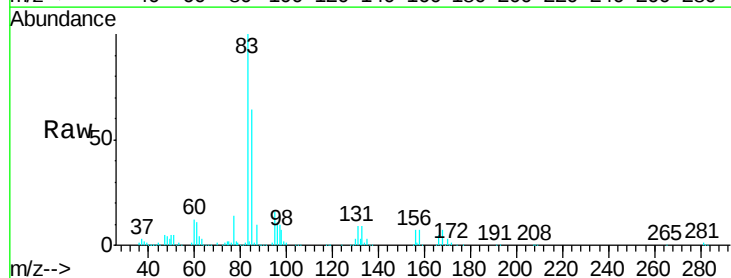
Manual Integrations
APPROVED

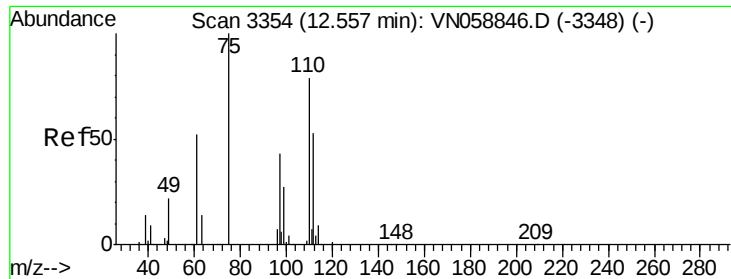
MMDadoda
11/4/2019 7:04:12 AM



#75
1,1,2,2-Tetrachloroethane
Concen: 53.575 ug/l
RT: 12.51 min Scan# 3338
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	64.2	31.7	95.1





#76

1,2,3-Trichloropropane

Concen: 53.031 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

SS003MW331-191030MS

Tgt Ion: 75 Resp: 346193

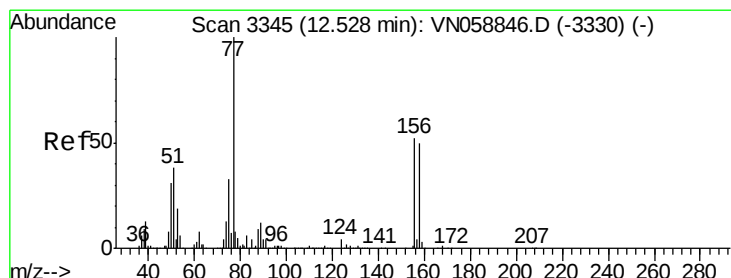
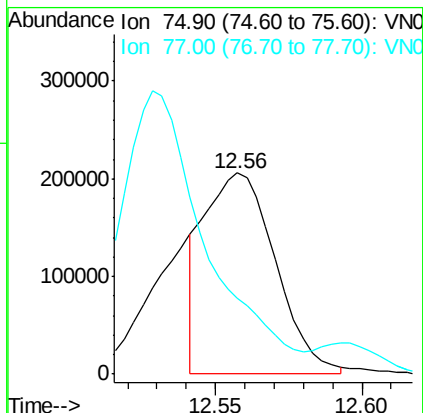
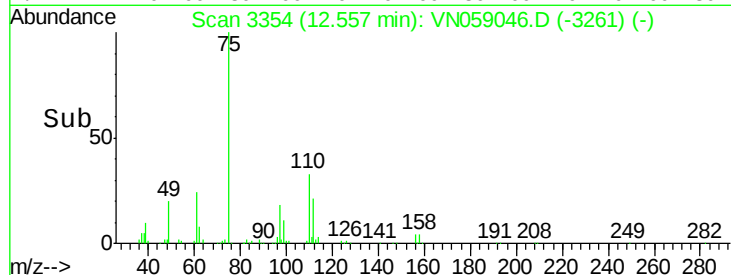
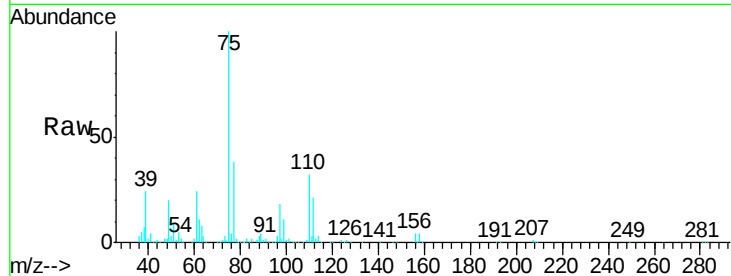
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:12 AM



#77

Bromobenzene

Concen: 51.881 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

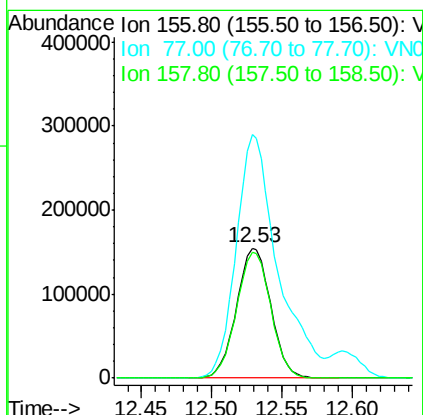
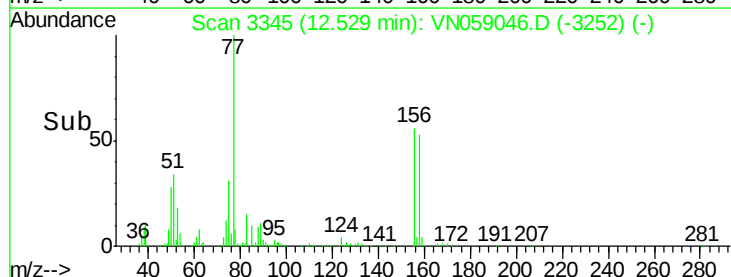
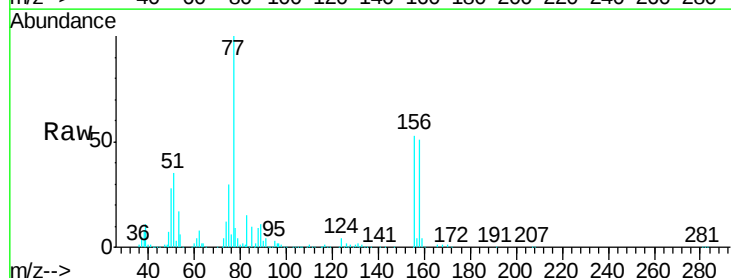
Tgt Ion: 156 Resp: 263238

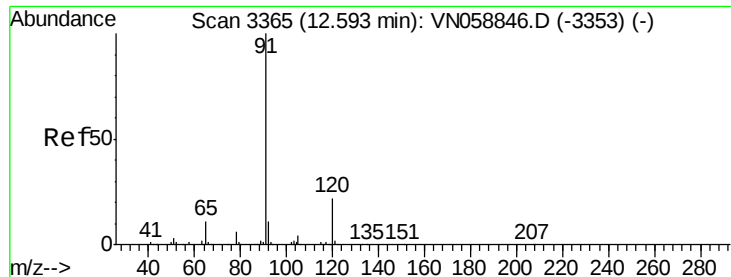
Ion Ratio Lower Upper

156 100

77 227.8 118.0 354.0

158 97.2 48.3 144.8





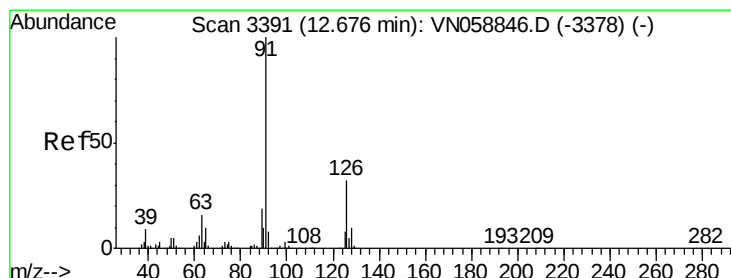
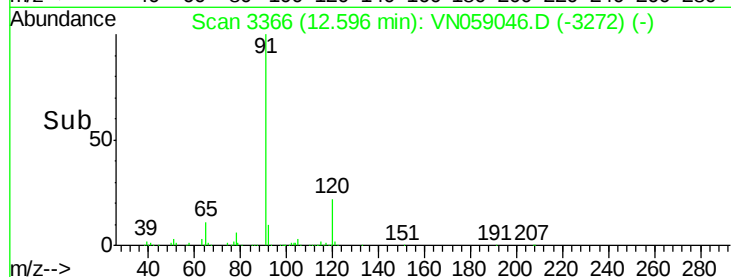
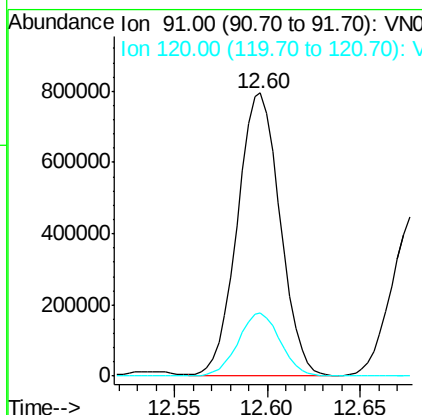
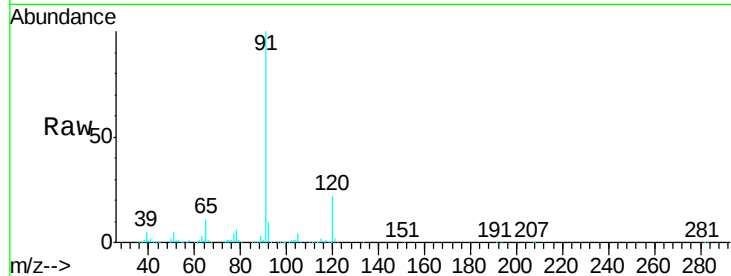
#78
n-propylbenzene
Concen: 52.461 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion: 91 Resp: 1276511
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.1

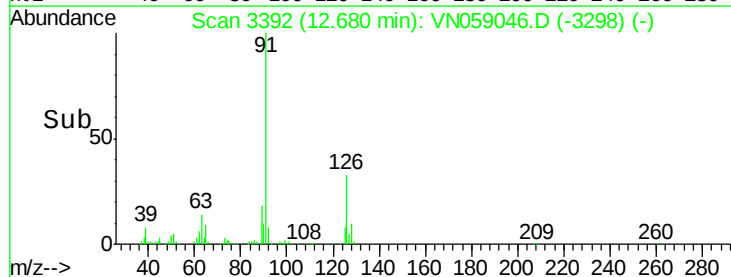
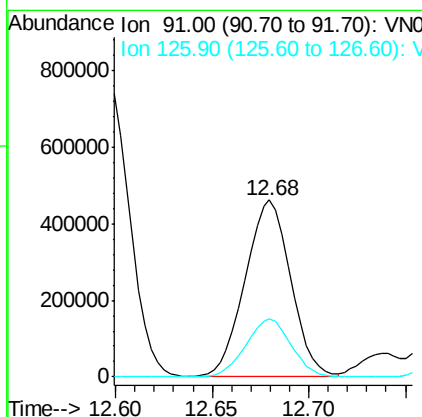
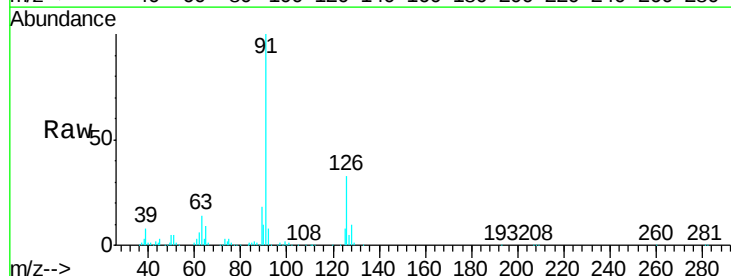
Manual Integrations
APPROVED

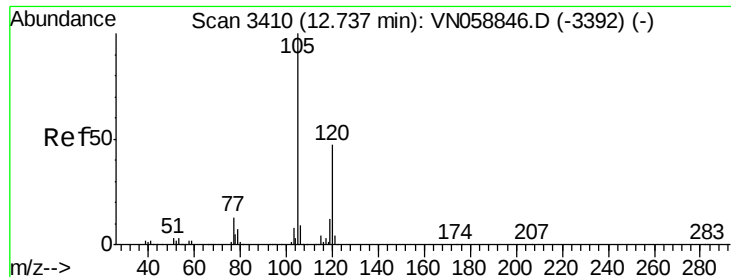
MMDadoda
11/4/2019 7:04:12 AM



#79
2-Chlorotoluene
Concen: 51.115 ug/l
RT: 12.68 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 91 Resp: 761229
Ion Ratio Lower Upper
91 100
126 32.5 16.2 48.6





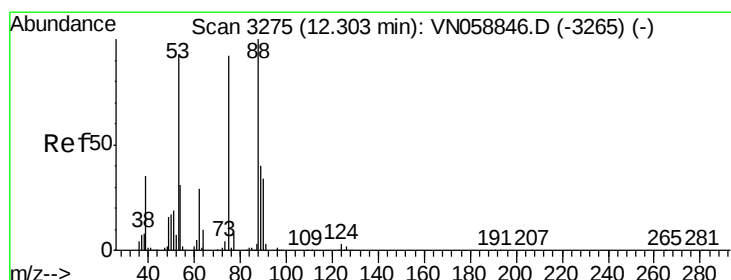
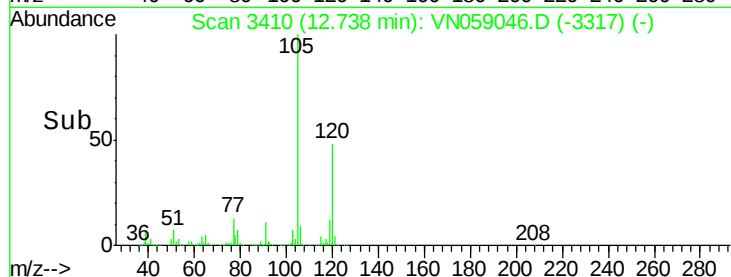
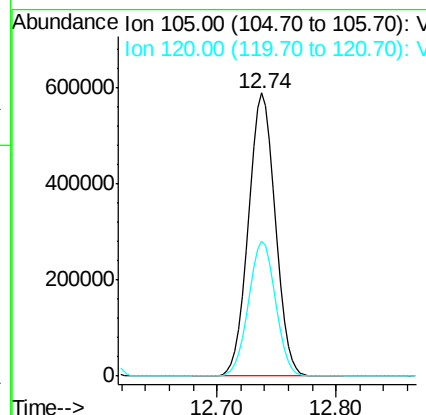
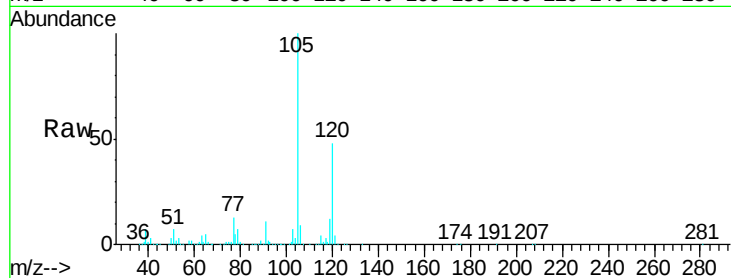
#80
 1,3,5-Trimethylbenzene
 Concen: 53.080 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 SS003MW331-191030MS

Tgt Ion: 105 Resp: 918042
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.8 71.5

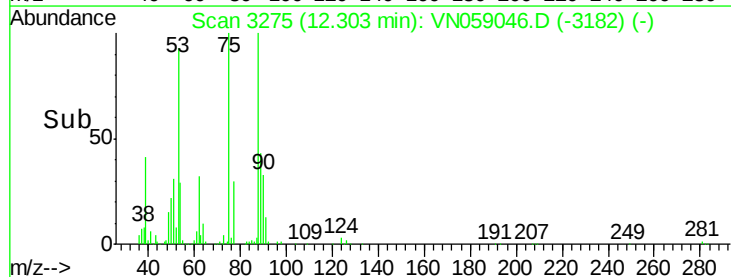
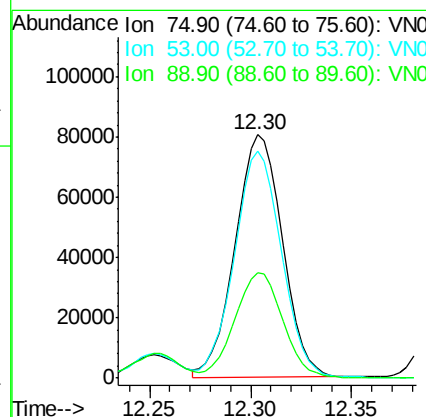
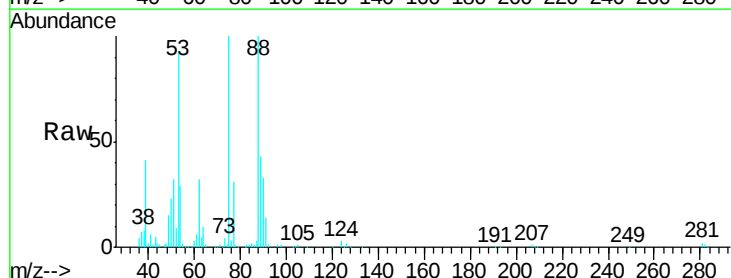
Manual Integrations
 APPROVED

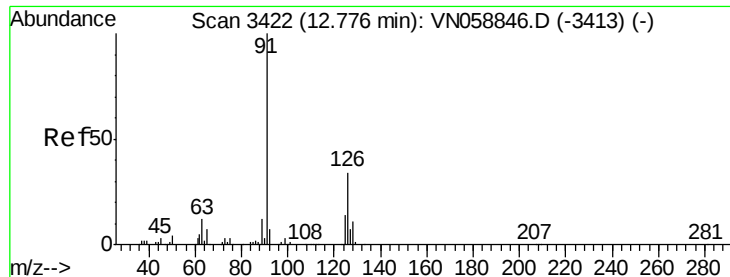
MMDadoda
 11/4/2019 7:04:12 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.700 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Tgt Ion: 75 Resp: 132062
 Ion Ratio Lower Upper
 75 100
 53 92.6 78.6 118.0
 89 44.4 35.4 53.0





#82

4-Chlorotoluene

Concen: 51.495 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

SS003MW331-191030MS

Tgt Ion: 91 Resp: 783702

Ion Ratio Lower Upper

91 100

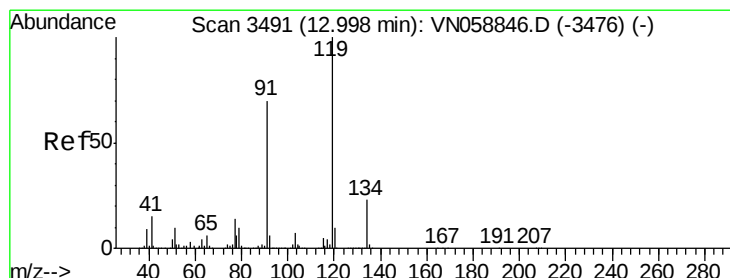
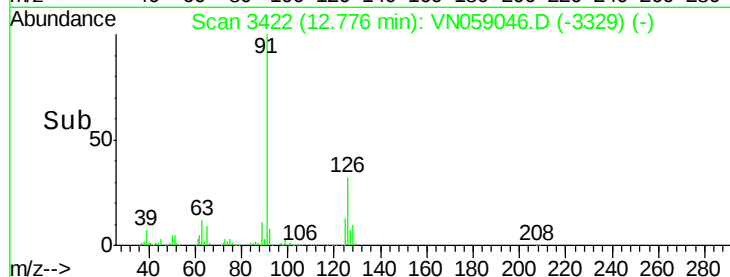
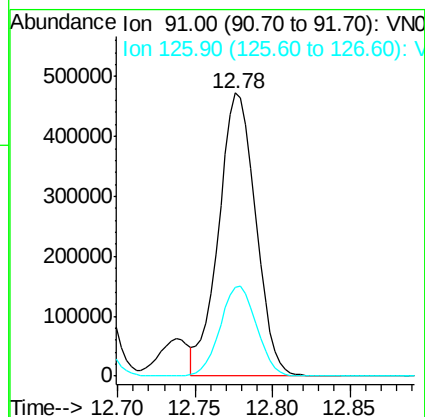
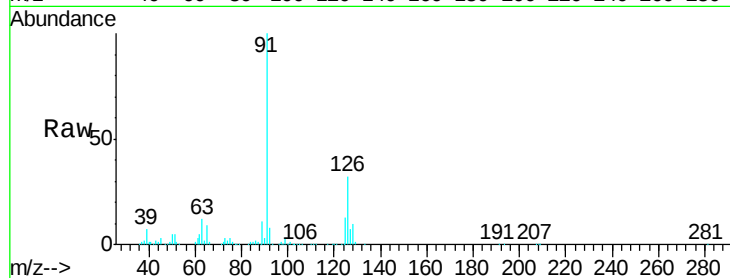
126 31.5 16.0 47.9

Manual Integrations

APPROVED

MMDadoda

11/4/2019 7:04:12 AM



#83

tert-Butylbenzene

Concen: 52.599 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

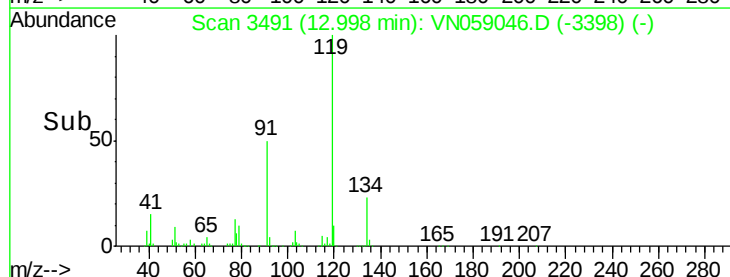
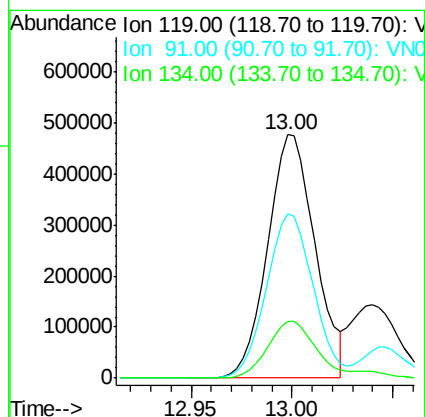
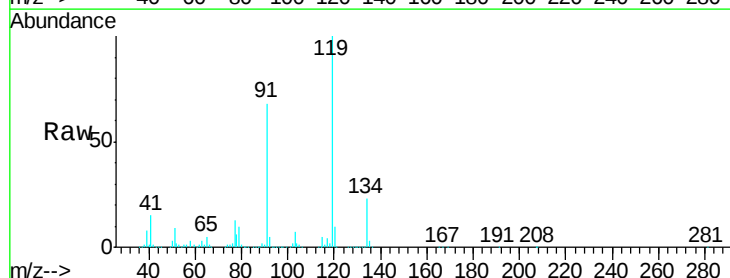
Tgt Ion: 119 Resp: 777931

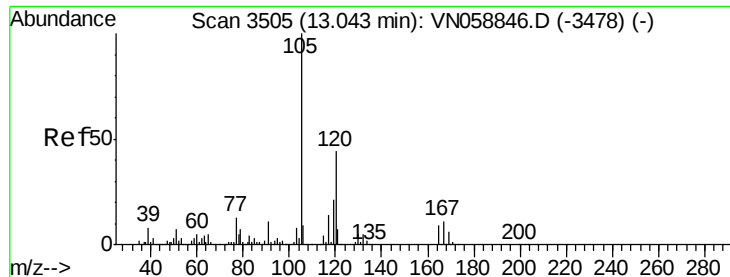
Ion Ratio Lower Upper

119 100

91 66.8 34.1 102.3

134 23.8 11.6 34.8





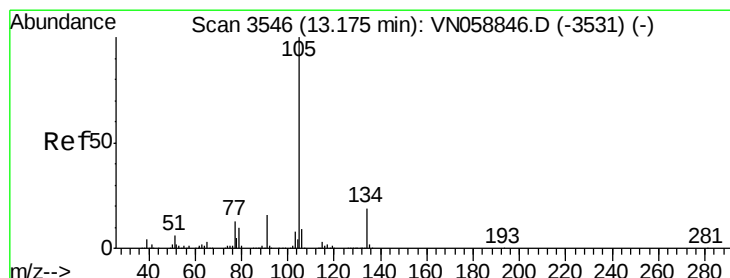
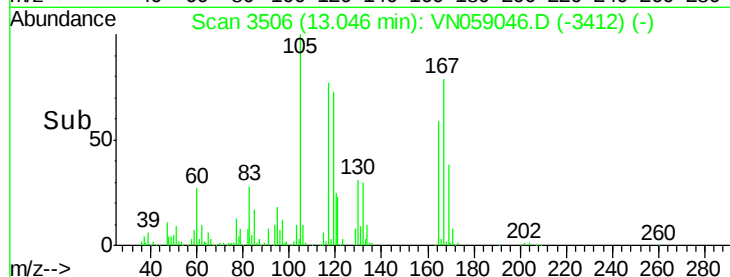
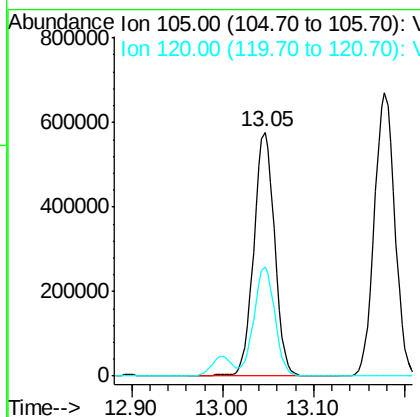
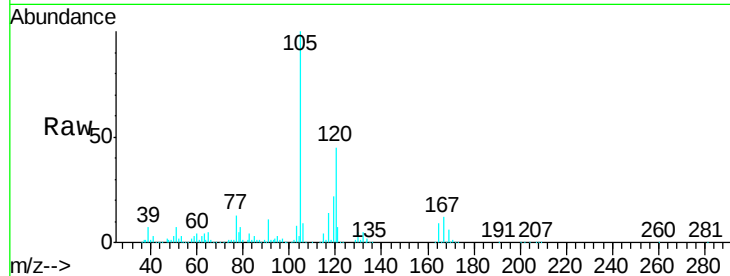
#84
 1,2,4-Trimethylbenzene
 Concen: 53.771 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 SS003MW331-191030MS

Tgt Ion:105 Resp: 917290
 Ion Ratio Lower Upper
 105 100
 120 44.9 21.9 65.8

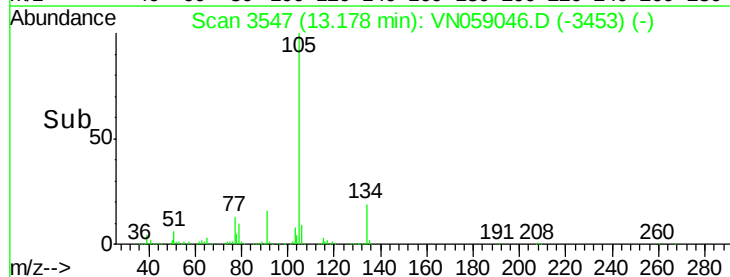
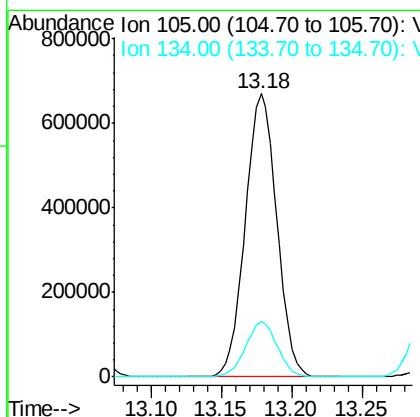
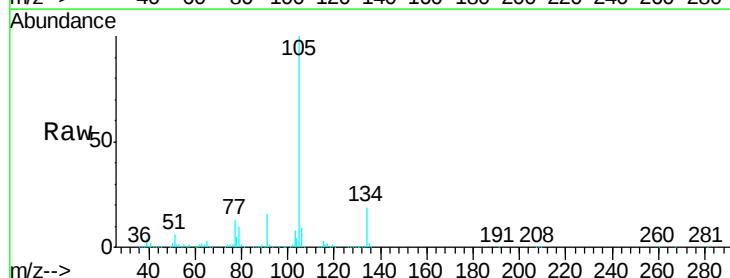
Manual Integrations
 APPROVED

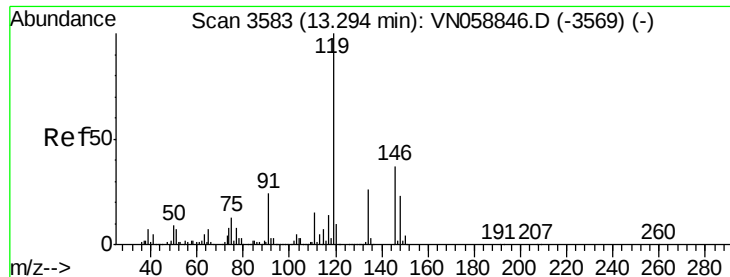
MMDadoda
 11/4/2019 7:04:12 AM



#85
 sec-Butylbenzene
 Concen: 53.162 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Tgt Ion:105 Resp: 1048286
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.4 28.2





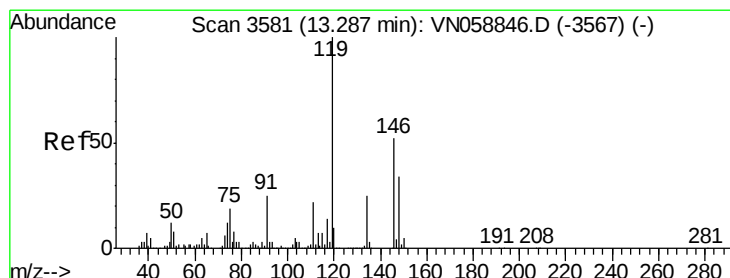
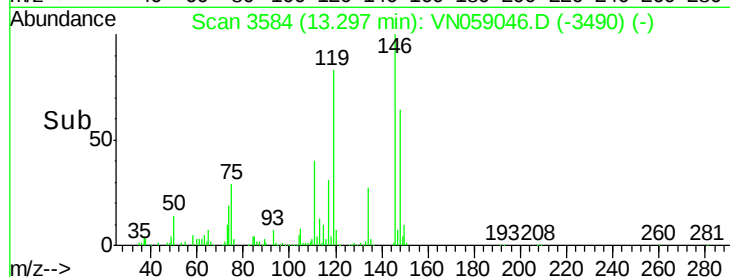
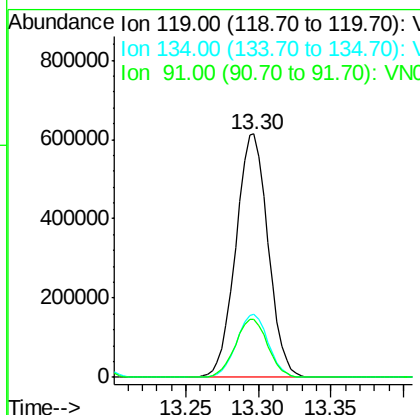
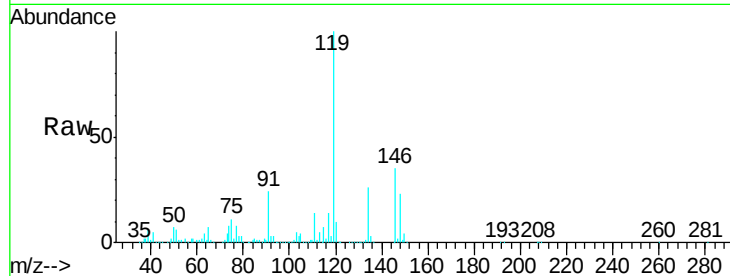
#86
p-Isopropyltoluene
Concen: 54.207 ug/l
RT: 13.30 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
SS003MW331-191030MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
119	100		
134	25.5	12.8	38.4
91	24.1	12.2	36.4

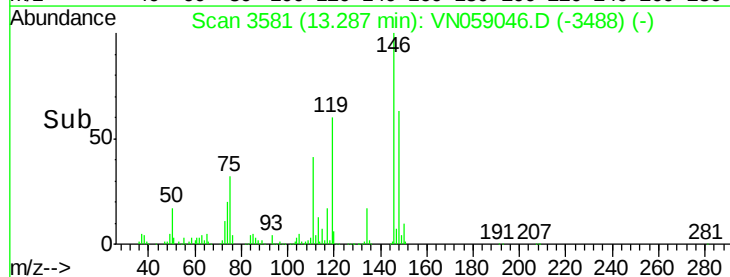
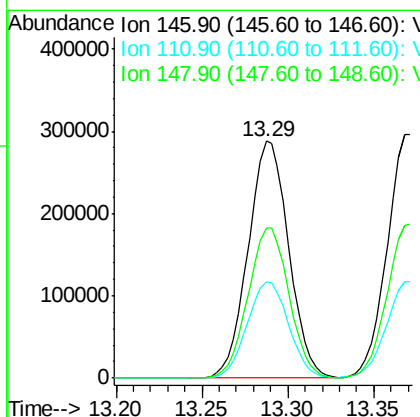
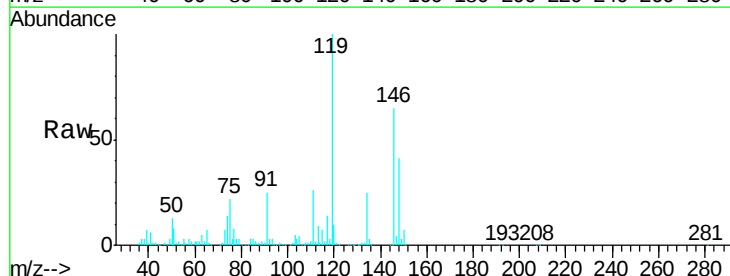
Manual Integrations
APPROVED

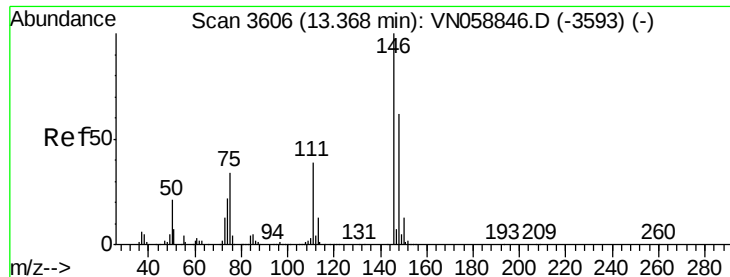
MMDadoda
11/4/2019 7:04:12 AM



#87
1,3-Dichlorobenzene
Concen: 51.990 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	41.4	21.0	63.0
148	63.9	32.1	96.3





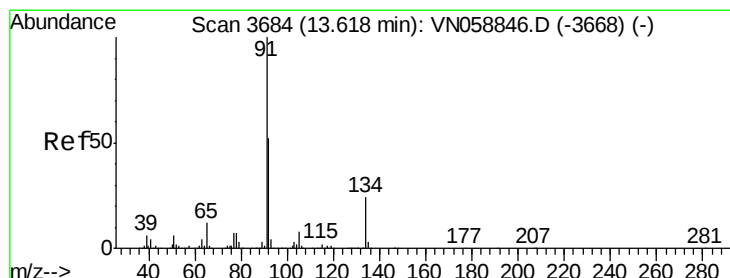
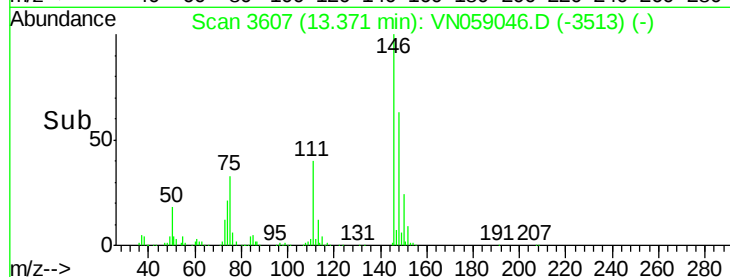
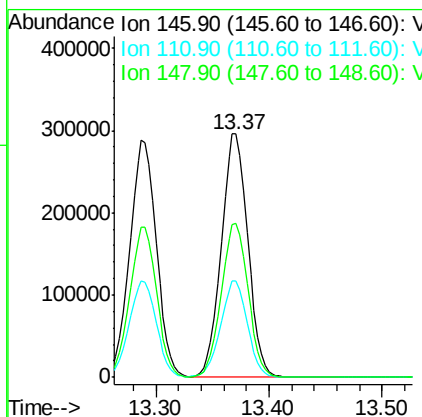
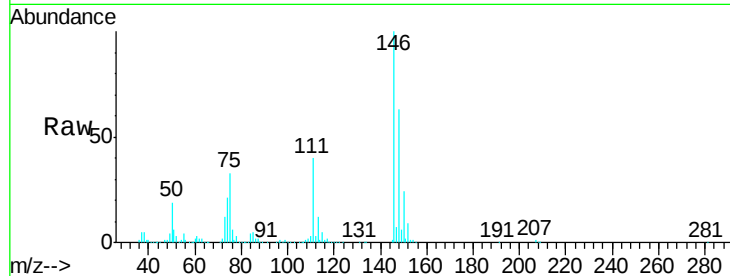
#88
 1,4-Dichlorobenzene
 Concen: 53.132 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 SS003MW331-191030MS

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	482614		
111	39.8	20.2	60.6	
148	63.7	31.6	94.7	

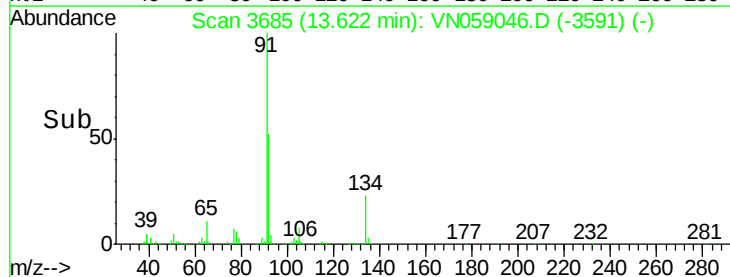
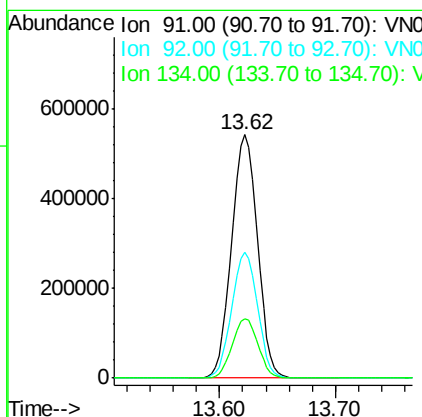
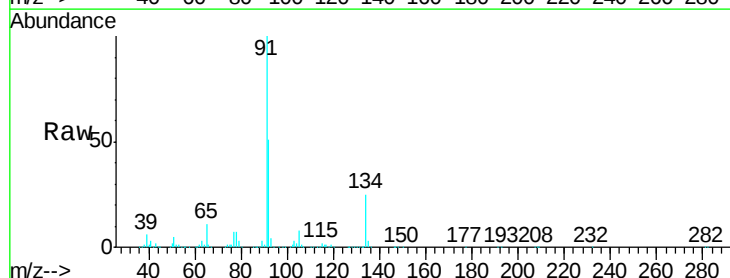
Manual Integrations
 APPROVED

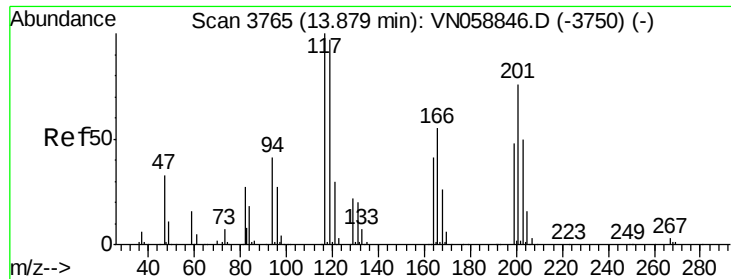
MMDadoda
 11/4/2019 7:04:12 AM



#89
 n-Butylbenzene
 Concen: 52.113 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	832911		
92	51.5	25.7	77.1	
134	24.2	11.9	35.5	





#90

Hexachloroethane

Concen: 50.755 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

SS003MW331-191030MS

Tgt Ion:117 Resp: 178940

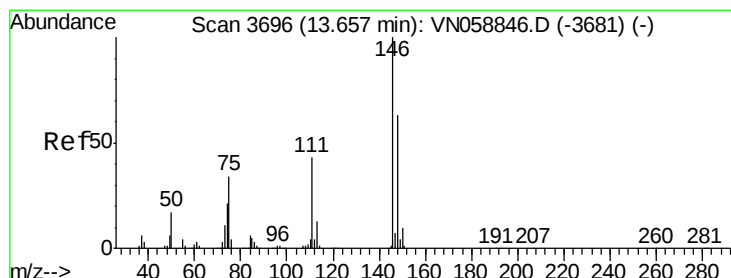
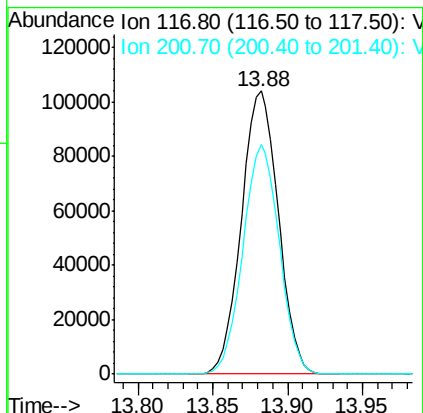
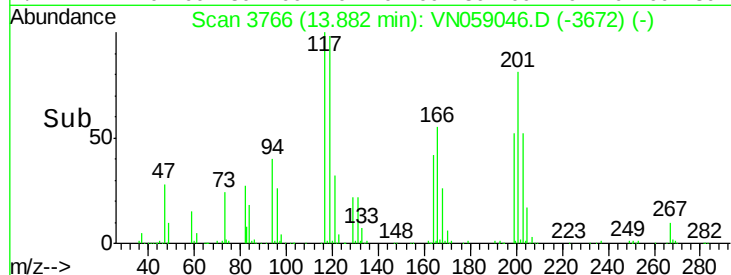
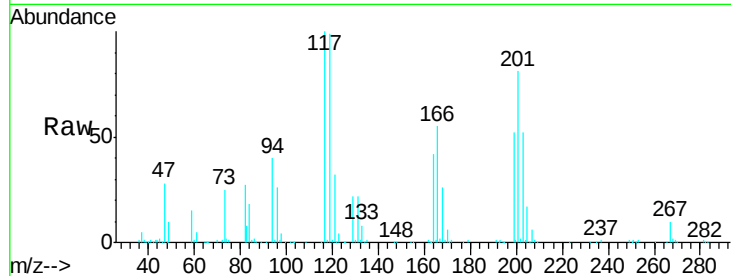
Ion Ratio Lower Upper

117 100

201 79.7 38.9 116.6

Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:12 AM



#91

1,2-Dichlorobenzene

Concen: 62.116 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

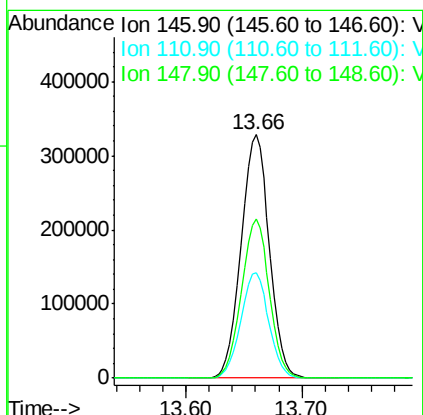
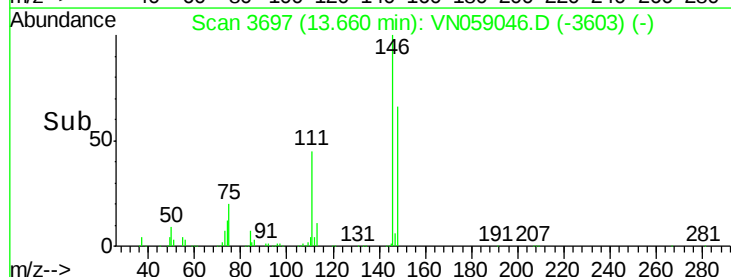
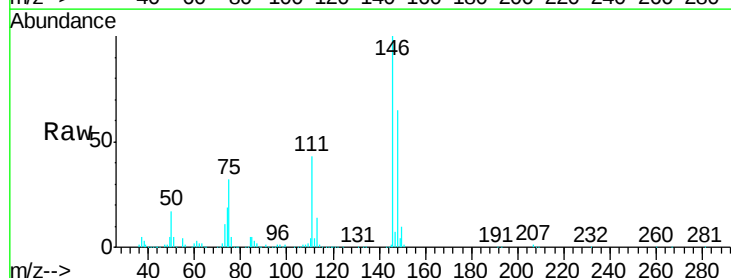
Tgt Ion:146 Resp: 553894

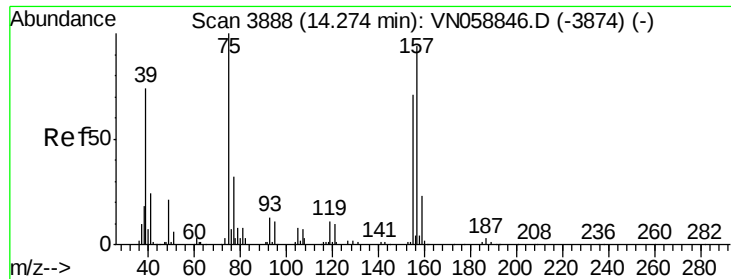
Ion Ratio Lower Upper

146 100

111 42.8 21.6 64.8

148 64.6 31.9 95.9





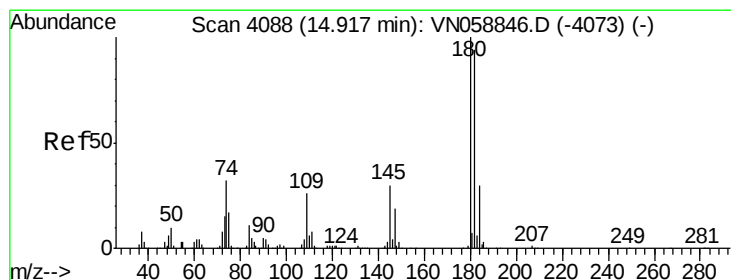
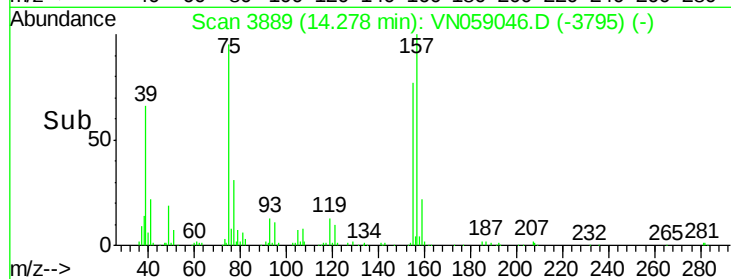
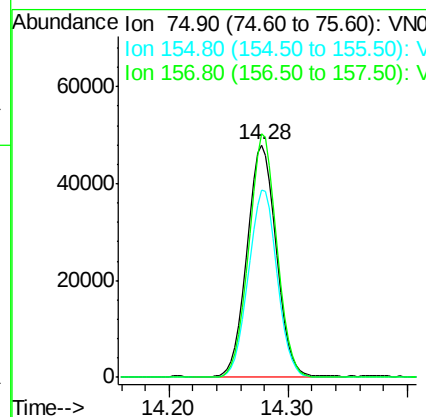
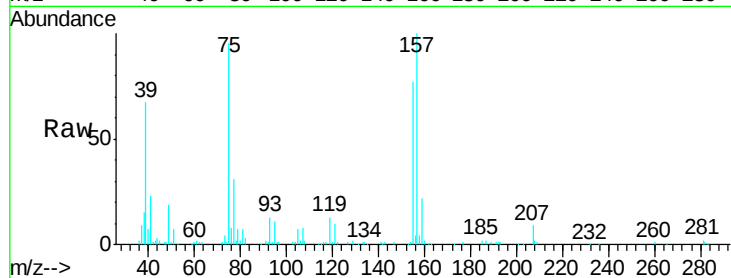
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.500 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 SS003MW331-191030MS

Tgt Ion: 75 Resp: 81039
 Ion Ratio Lower Upper
 75 100
 155 79.6 35.6 106.8
 157 100.9 47.4 142.2

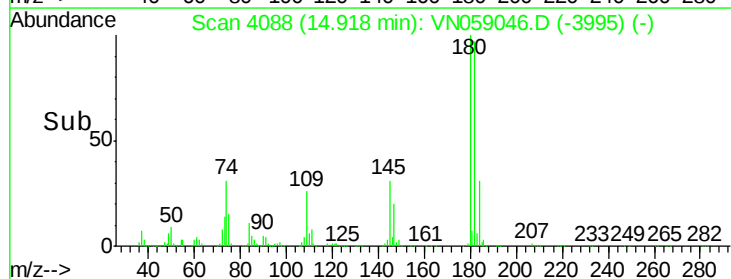
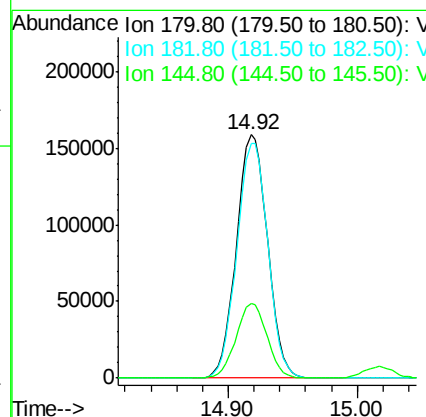
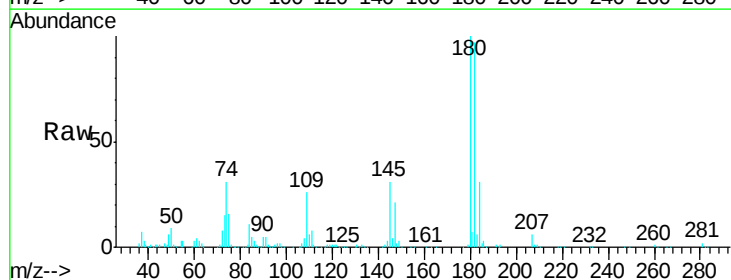
Manual Integrations
 APPROVED

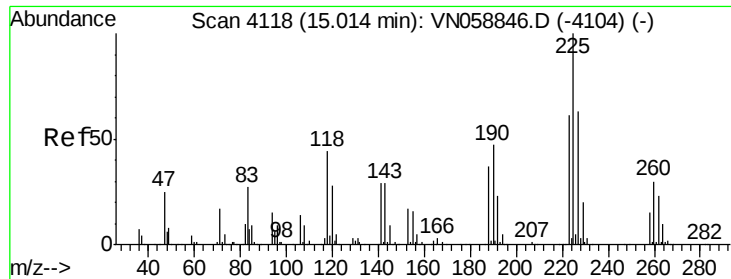
MMDadoda
 11/4/2019 7:04:12 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 47.506 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Tgt Ion: 180 Resp: 265932
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.3 142.0
 145 30.5 15.3 45.8





#94

Hexachlorobutadiene

Concen: 49.488 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

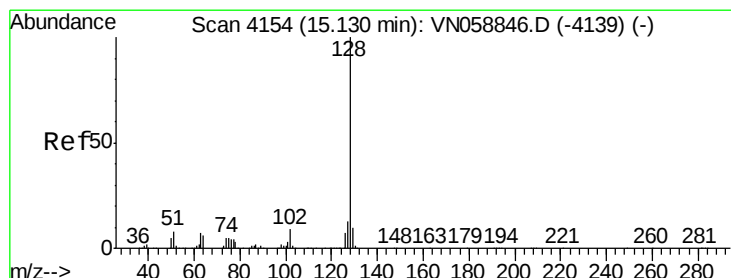
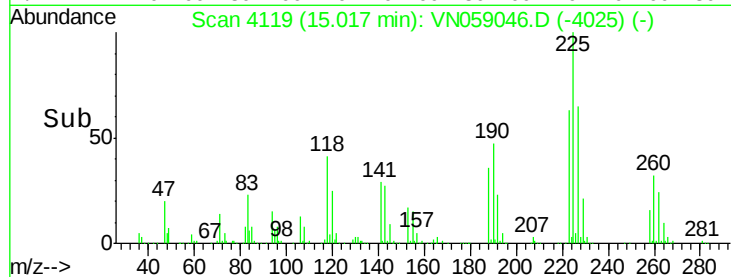
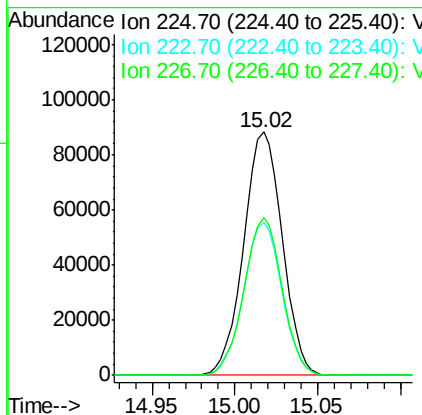
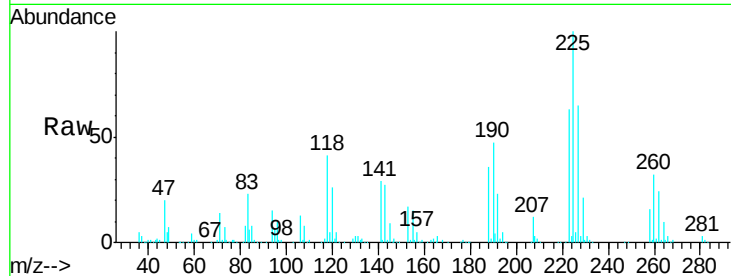
ClientSampleId :

SS003MW331-191030MS

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143031		
223	62.8	30.9	92.5	
227	63.5	31.6	94.7	

Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:12 AM



#95

Naphthalene

Concen: 48.006 ug/l

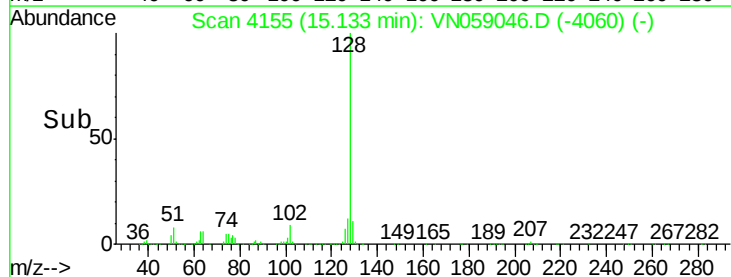
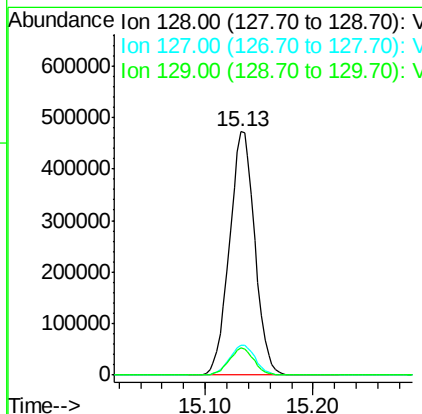
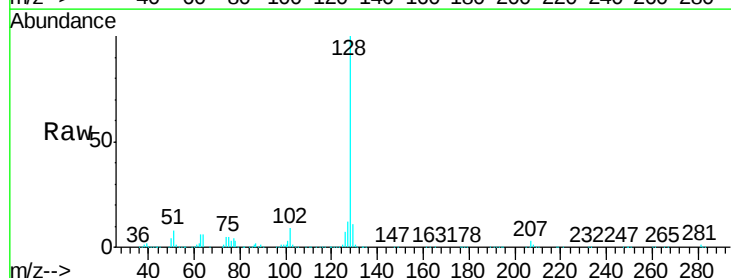
RT: 15.13 min Scan# 4155

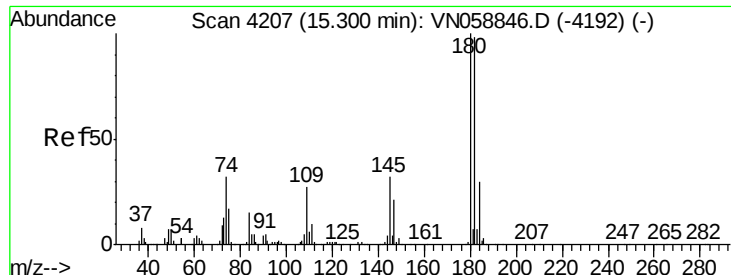
Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	773030		
127	12.6	10.2	15.2	
129	10.9	8.4	12.6	





#96
 1,2,3-Trichlorobenzene
 Concen: 49.857 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 SS003MW331-191030MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.7	47.9	143.7
145	31.5	15.9	47.7

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 7:04:12 AM

