

Data File : VN055403.D
Acq On : 3 May 2019 20:48
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:31 AM

Quant Time: May 04 01:36:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	391475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	645349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	542179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	224657	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	257210	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	7.59	113	206223	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.09	98	747492	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
62) 4-Bromofluorobenzene	12.40	95	251206	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	212867	44.381	ug/l	100
3) Chloromethane	2.06	50	243983	41.080	ug/l	99
4) Vinyl Chloride	2.19	62	220744	46.109	ug/l	98
5) Bromomethane	2.57	94	117311	46.260	ug/l	98
6) Chloroethane	2.71	64	124816	48.127	ug/l	98
7) Trichlorofluoromethane	3.02	101	317667	46.664	ug/l	99
8) Diethyl Ether	3.41	74	120998	50.803	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	187603	46.278	ug/l	99
10) Methyl Iodide	3.96	142	267445	46.879	ug/l	100
11) Tert butyl alcohol	4.78	59	69207	236.030	ug/l	99
12) 1,1-Dichloroethene	3.74	96	182352	47.154	ug/l	97
13) Acrolein	3.61	56	41643	181.856	ug/l	97
14) Allyl chloride	4.33	41	389232	48.598	ug/l	99
15) Acrylonitrile	4.99	53	409148	248.251	ug/l	99
16) Acetone	3.82	43	314405	197.026	ug/l	98
17) Carbon Disulfide	4.06	76	412238	40.847	ug/l	100
18) Methyl Acetate	4.33	43	206392	53.159	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	563753	51.856	ug/l	98
20) Methylene Chloride	4.56	84	220765	45.325	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	190148	46.428	ug/l	99
22) Diisopropyl ether	5.95	45	832398	52.308	ug/l	97
23) Vinyl Acetate	5.90	43	2734013	262.138	ug/l	99
24) 1,1-Dichloroethane	5.85	63	418857	49.400	ug/l	99
25) 2-Butanone	6.84	43	483130	236.740	ug/l	98
26) 2,2-Dichloropropane	6.82	77	271178	46.316	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	233321	50.097	ug/l	100
28) Bromochloromethane	7.20	49	208050	48.679	ug/l	100
29) Tetrahydrofuran	7.21	42	326925	250.180	ug/l	99
30) Chloroform	7.37	83	389600	48.472	ug/l	99
31) Cyclohexane	7.66	56	360263	44.721	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	315519	48.368	ug/l	99
36) 1,1-Dichloropropene	7.79	75	281852	45.596	ug/l	99
37) Ethyl Acetate	6.93	43	220824	46.611	ug/l	99
38) Carbon Tetrachloride	7.78	117	259899	43.586	ug/l	99

Data File : VN055403.D
Acq On : 3 May 2019 20:48
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:31 AM

Quant Time: May 04 01:36:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	294562	44.819	ug/l	99
40) Benzene	8.04	78	856347	46.994	ug/l	100
41) Methacrylonitrile	7.18	41	132917	51.812	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	301106	46.654	ug/l	100
43) Isopropyl Acetate	8.17	43	391689	51.446	ug/l #	89
44) Trichloroethene	8.84	130	216842	46.679	ug/l	99
45) 1,2-Dichloropropane	9.12	63	252567	48.056	ug/l	99
46) Dibromomethane	9.21	93	133658	46.526	ug/l	98
47) Bromodichloromethane	9.40	83	299492	48.595	ug/l	99
48) Methyl methacrylate	9.20	41	184473	49.287	ug/l	99
49) 1,4-Dioxane	9.21	88	37221	962.009	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1043347	243.401	ug/l	98
52) Toluene	10.16	92	497119	47.546	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	271690	50.782	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	338974	50.817	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	188109	48.450	ug/l	98
56) Ethyl methacrylate	10.43	69	247791	51.852	ug/l	99
57) 1,3-Dichloropropane	10.71	76	332414	48.805	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	269422	185.052	ug/l	99
59) 2-Hexanone	10.75	43	638804	238.180	ug/l	99
60) Dibromochloromethane	10.90	129	198870	50.117	ug/l	99
61) 1,2-Dibromoethane	11.01	107	175095	48.792	ug/l	99
64) Tetrachloroethene	10.63	164	217606	49.079	ug/l	100
65) Chlorobenzene	11.43	112	510153	48.126	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	198647	47.858	ug/l	99
67) Ethyl Benzene	11.51	91	939019	49.055	ug/l	99
68) m/p-Xylenes	11.62	106	681206	99.699	ug/l	98
69) o-Xylene	11.95	106	339223	50.090	ug/l	98
70) Styrene	11.96	104	565883	54.421	ug/l	99
71) Bromoform	12.13	173	119295	51.795	ug/l #	98
73) Isopropylbenzene	12.25	105	900257	50.386	ug/l	100
74) N-amyl acetate	12.07	43	278842	48.363	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	213979	47.941	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	179727m	42.671	ug/l	
77) Bromobenzene	12.53	156	216198	50.468	ug/l	99
78) n-propylbenzene	12.59	91	996456	43.180	ug/l	100
79) 2-Chlorotoluene	12.67	91	616568	50.676	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	750630	42.619	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	51556	43.489	ug/l	97
82) 4-Chlorotoluene	12.77	91	594700	44.322	ug/l	99
83) tert-Butylbenzene	12.99	119	640289	51.446	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	731104	46.415	ug/l	100
85) sec-Butylbenzene	13.17	105	815121	42.581	ug/l	99
86) p-Isopropyltoluene	13.29	119	713867	45.371	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	351010	46.692	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	336998	47.602	ug/l	100
89) n-Butylbenzene	13.61	91	554408	49.588	ug/l	100
90) Hexachloroethane	13.87	117	115736	46.342	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	349041	46.845	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31769	53.751	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050319\
Quantitation Report (QT Reviewed)

Data File : VN055403.D
Acq On : 3 May 2019 20:48
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:31 AM

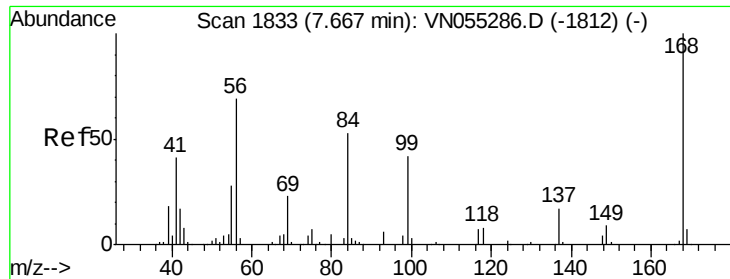
Quant Time: May 04 01:36:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	131742	45.191	ug/l	98
94) Hexachlorobutadiene	15.01	225	119534	53.511	ug/l	97
95) Naphthalene	15.13	128	258667	41.994	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	139104	48.187	ug/l	97

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

MMDadoda
5/6/2019 10:47:31 AM

[illegible]



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 391475

Ion Ratio Lower Upper

168 100

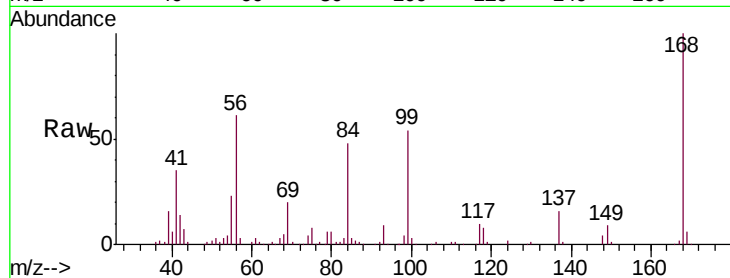
99 53.3 43.6 65.4

Manual Integrations

APPROVED

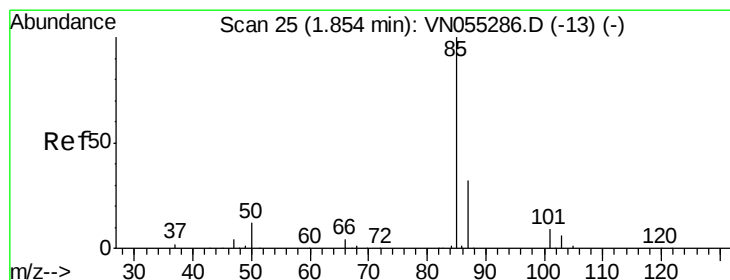
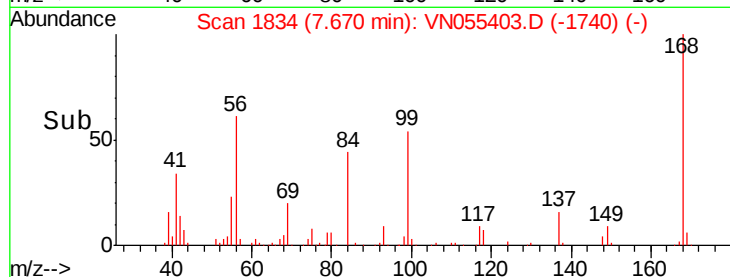
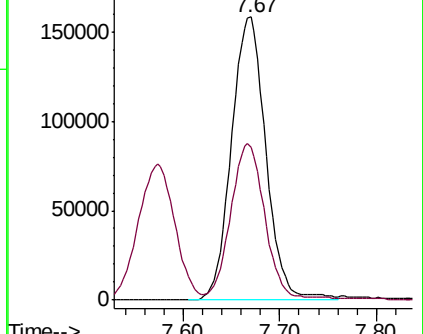
MMDadoda

5/6/2019 10:47:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.381 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055403.D

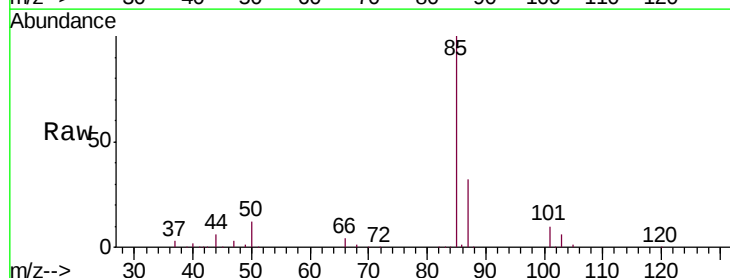
Acq: 3 May 2019 20:48

Tgt Ion: 85 Resp: 212867

Ion Ratio Lower Upper

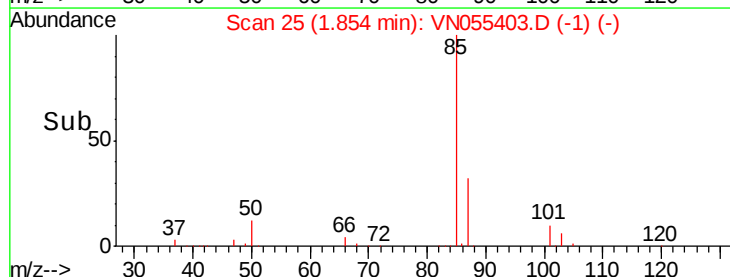
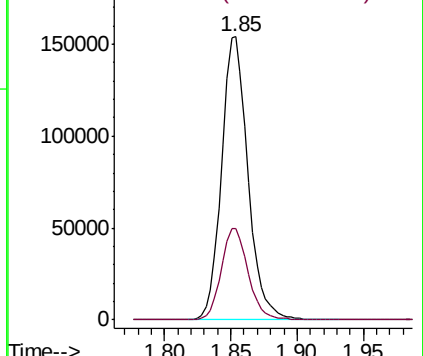
85 100

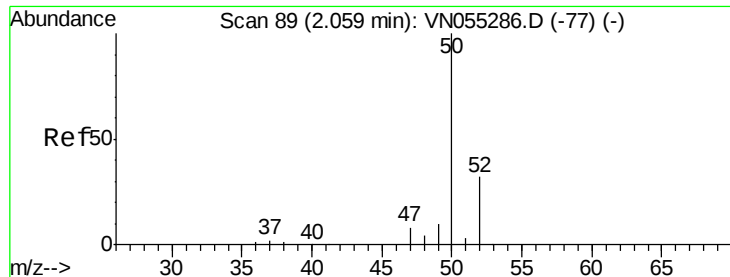
87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 41.080 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 243983

Ion Ratio Lower Upper

50 100

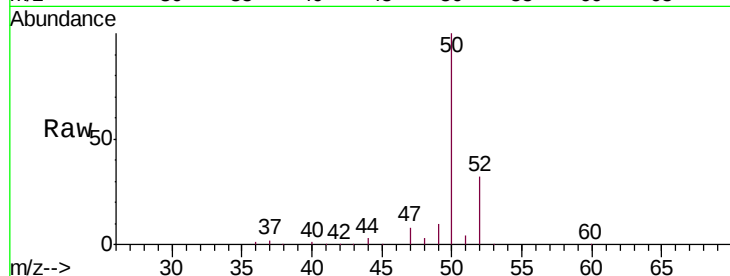
52 31.8 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

5/6/2019 10:47:31 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

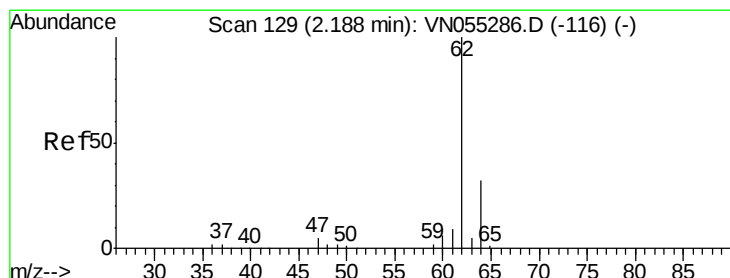
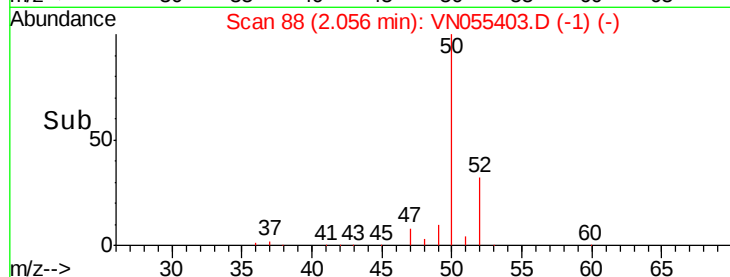
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.109 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055403.D

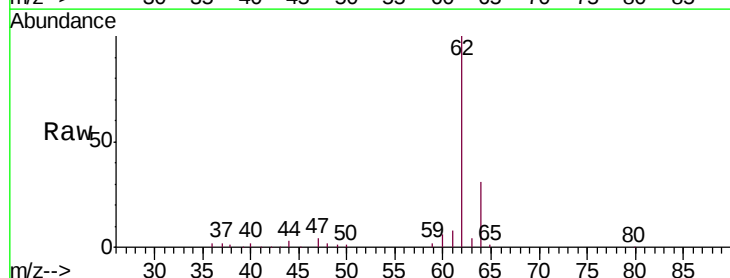
Acq: 3 May 2019 20:48

Tgt Ion: 62 Resp: 220744

Ion Ratio Lower Upper

62 100

64 30.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

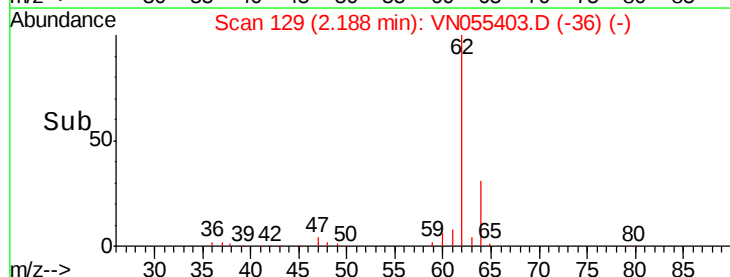
150000

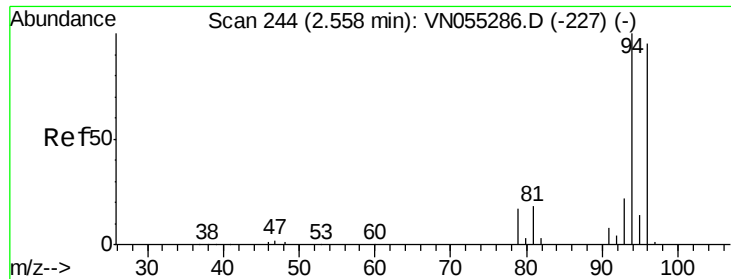
100000

50000

0

Time-->





#5

Bromomethane

Concen: 46.260 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 117311

Ion Ratio Lower Upper

94 100

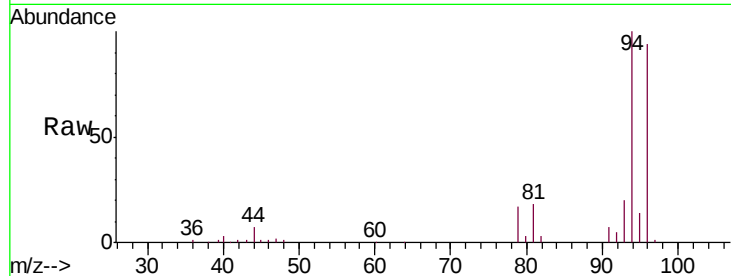
96 93.5 76.0 114.0

Manual Integrations

APPROVED

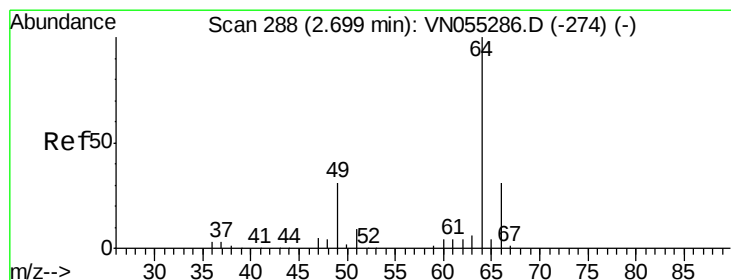
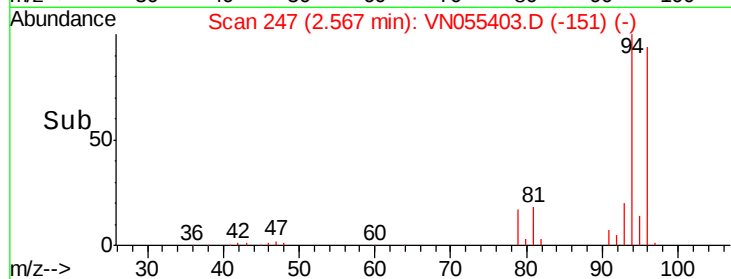
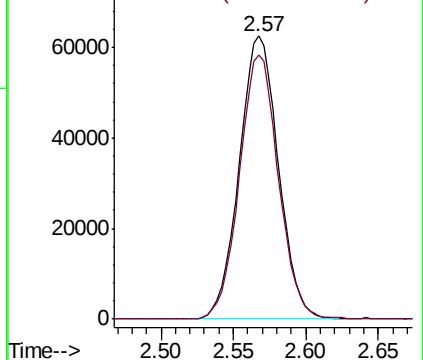
MMDadoda

5/6/2019 10:47:31 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.127 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN055403.D

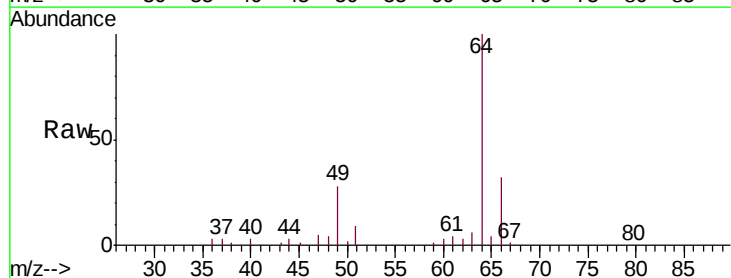
Acq: 3 May 2019 20:48

Tgt Ion: 64 Resp: 124816

Ion Ratio Lower Upper

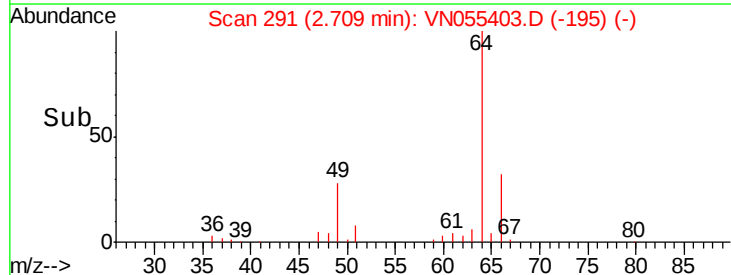
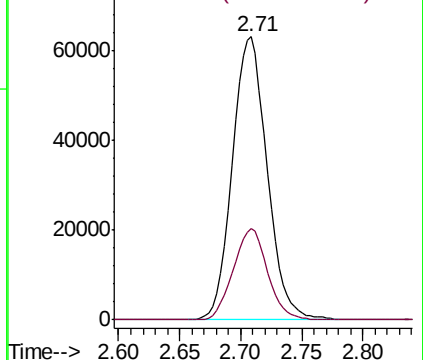
64 100

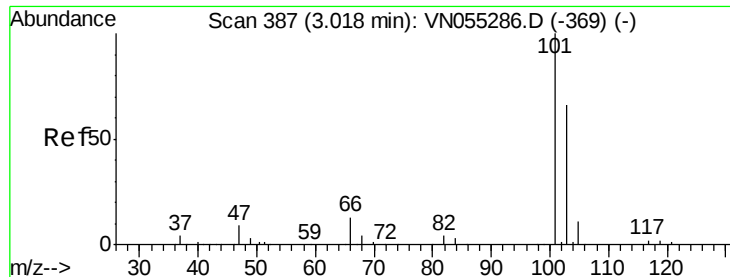
66 32.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

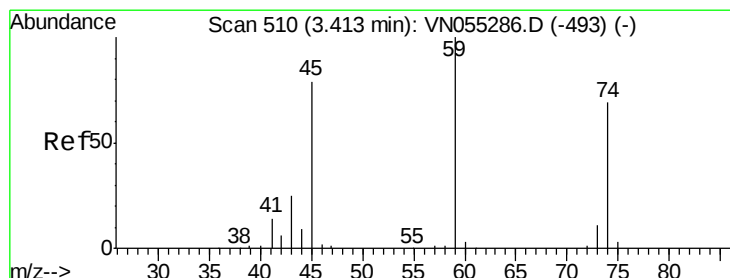
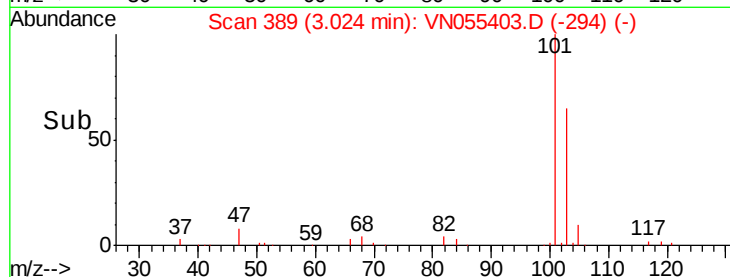
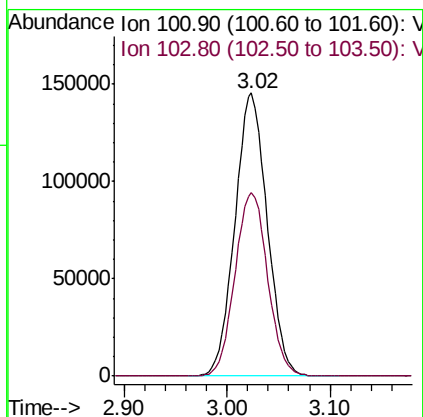
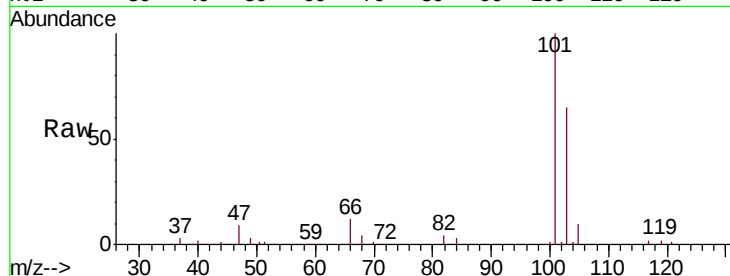
Trichlorofluoromethane
 Concen: 46.664 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 101 Resp: 317667
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.6 79.0

Manual Integrations
 APPROVED

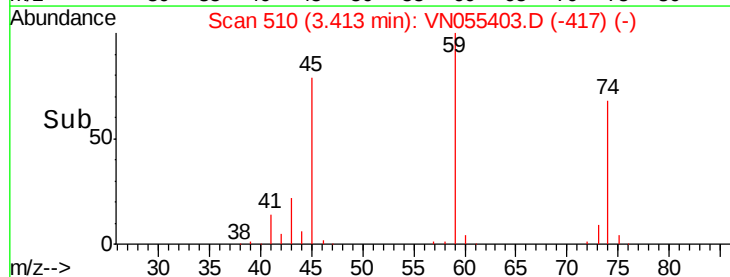
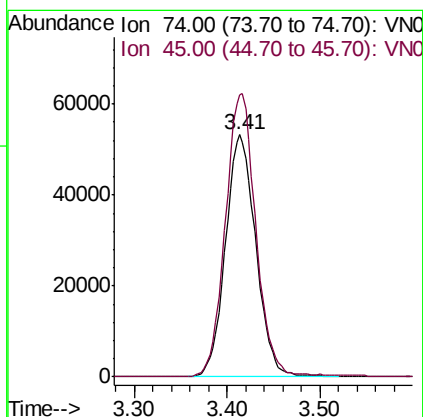
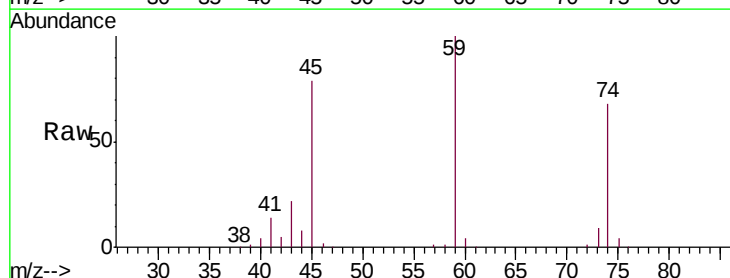
MMDadoda
 5/6/2019 10:47:31 AM

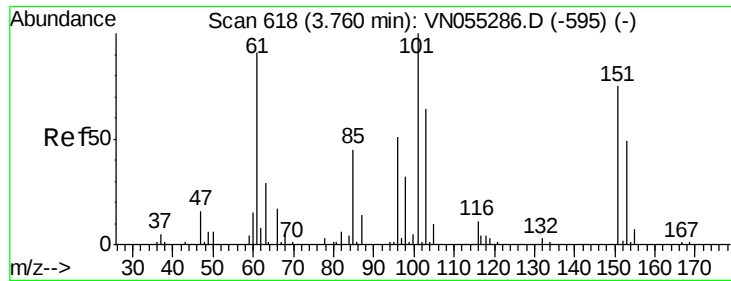


#8

Diethyl Ether
 Concen: 50.803 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion: 74 Resp: 120998
 Ion Ratio Lower Upper
 74 100
 45 117.3 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.278 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

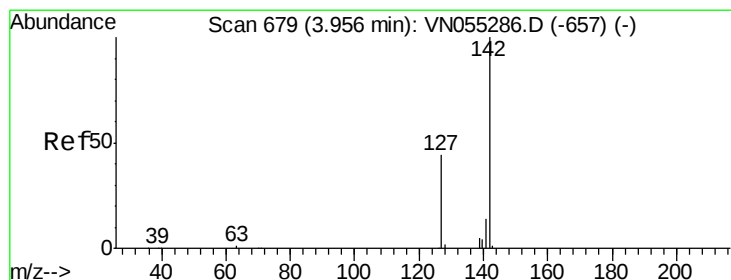
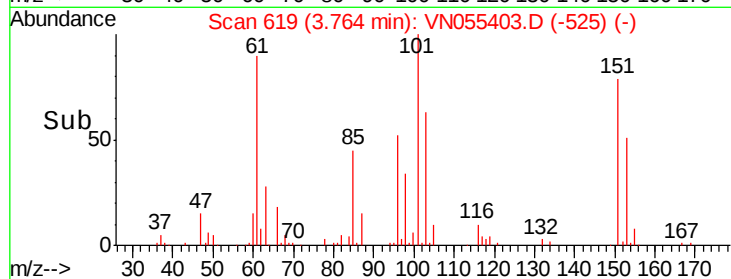
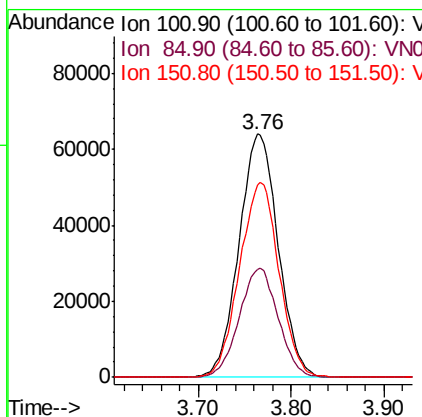
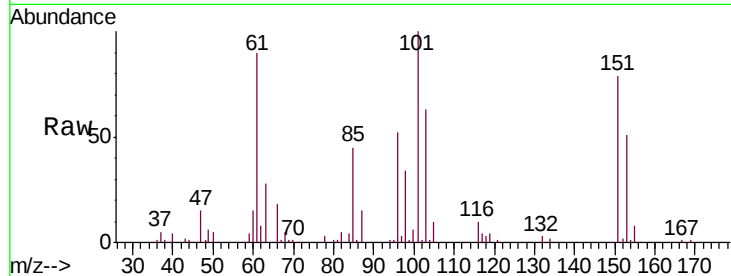
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	187603
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.7	53.5
151	80.5	63.3	94.9

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:31 AM



#10

Methyl Iodide

Concen: 46.879 ug/l

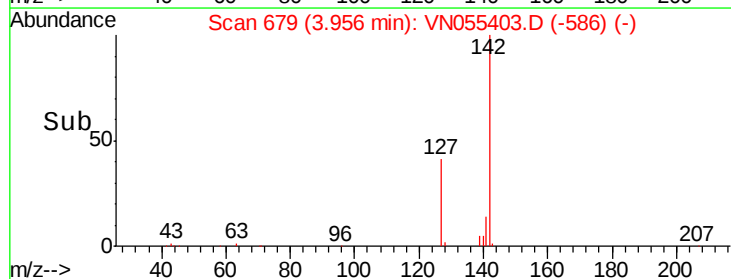
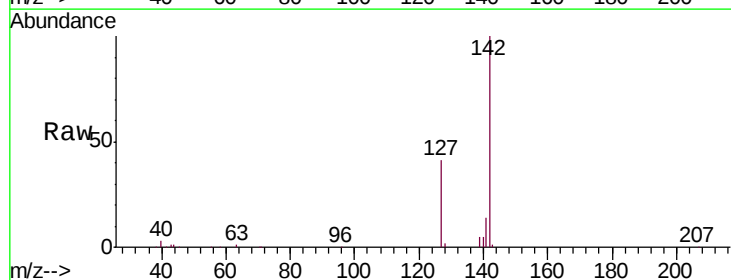
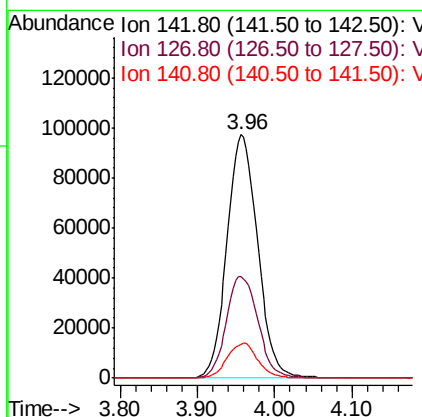
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Tgt Ion:	142	Resp:	267445
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.4	51.6
141	14.4	11.5	17.3





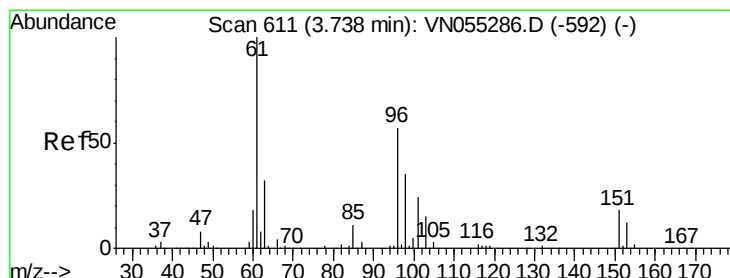
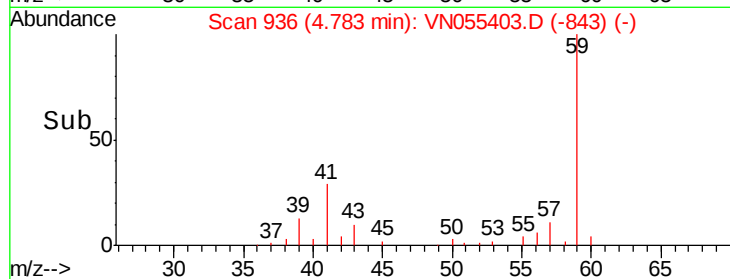
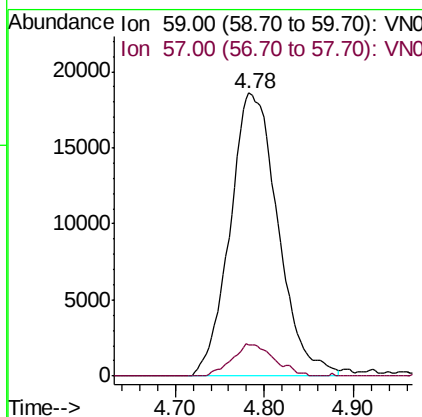
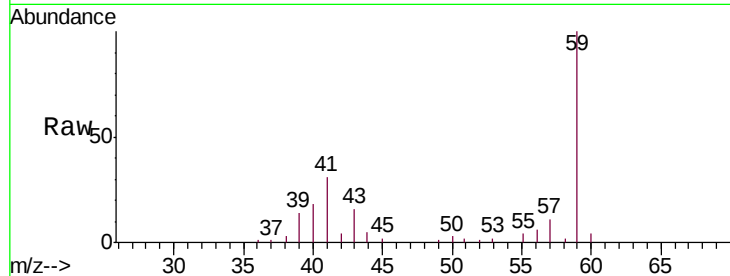
#11
Tert butyl alcohol
Concen: 236.030 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 69207
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2

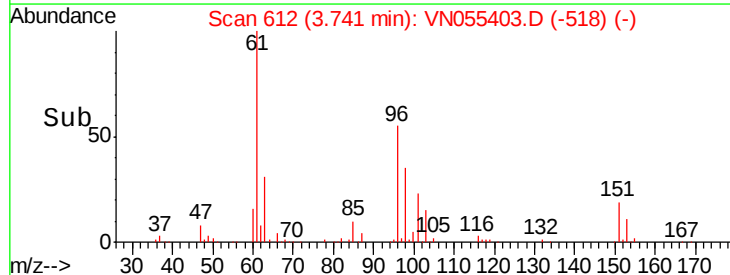
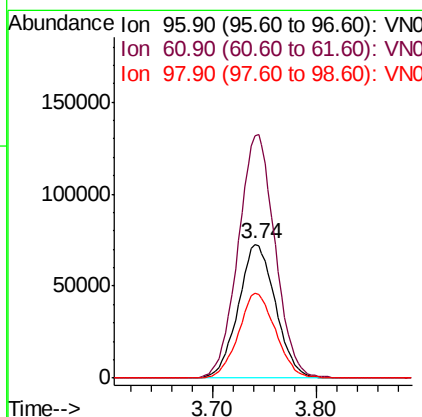
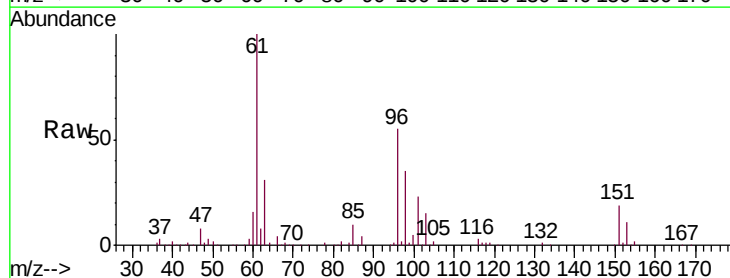
Manual Integrations
APPROVED

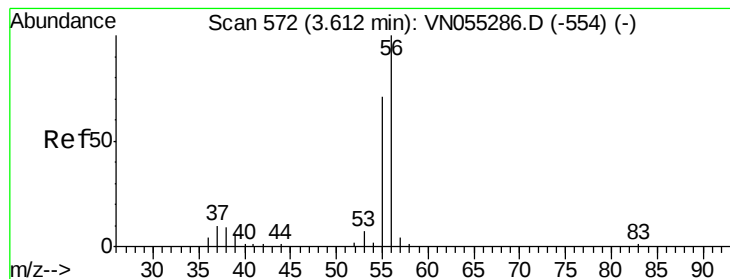
MMDadoda
5/6/2019 10:47:31 AM



#12
1,1-Dichloroethene
Concen: 47.154 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 96 Resp: 182352
Ion Ratio Lower Upper
96 100
61 181.2 140.9 211.3
98 63.6 50.0 75.0





#13

Acrolein

Concen: 181.856 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 41643

Ion Ratio Lower Upper

56 100

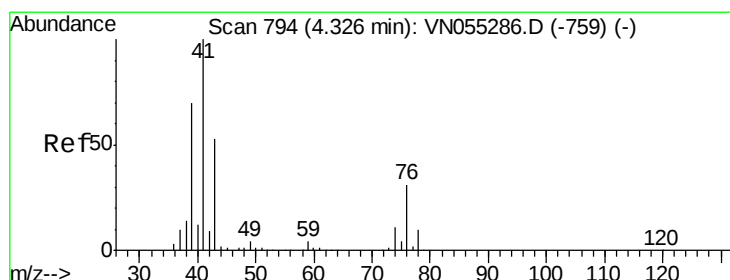
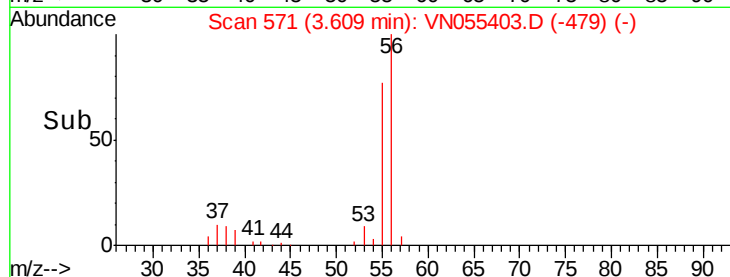
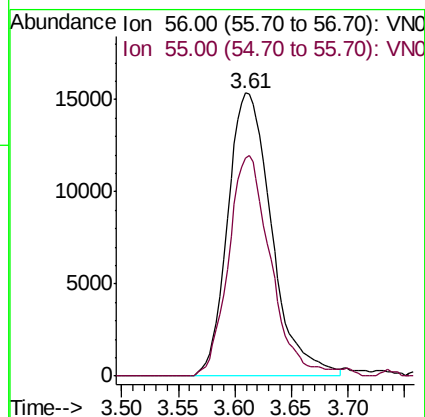
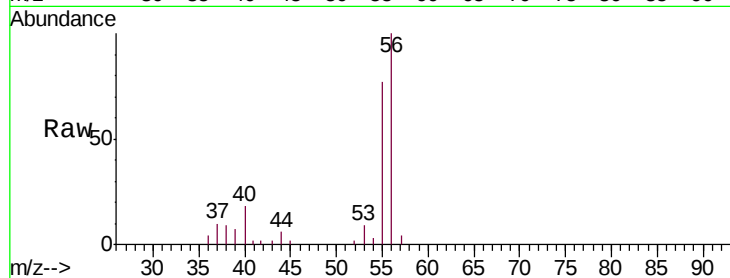
55 74.4 57.4 86.2

Manual Integrations

APPROVED

MMDadoda

5/6/2019 10:47:31 AM



#14

Allyl chloride

Concen: 48.598 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

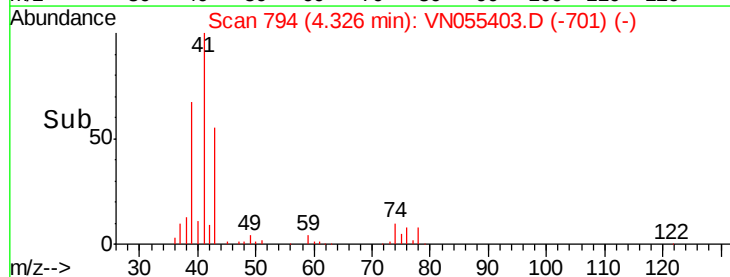
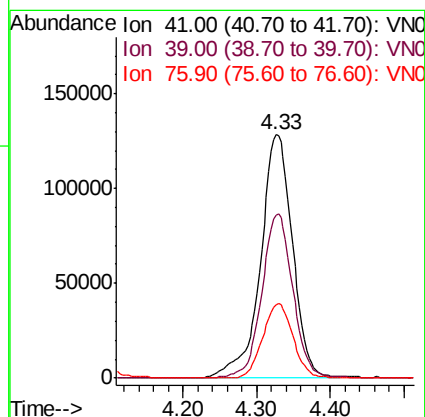
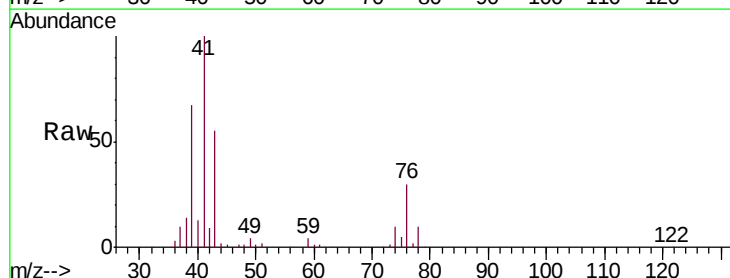
Tgt Ion: 41 Resp: 389232

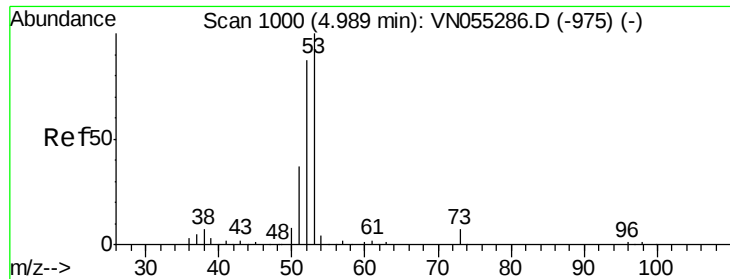
Ion Ratio Lower Upper

41 100

39 65.1 53.0 79.6

76 28.8 22.7 34.1





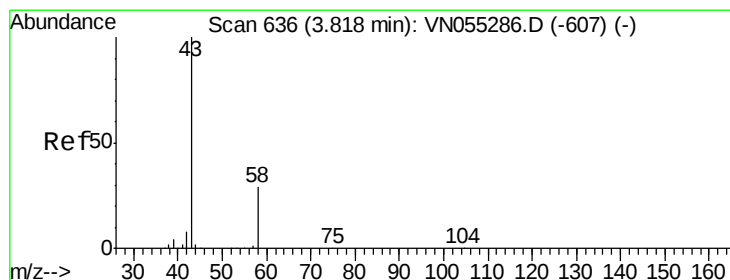
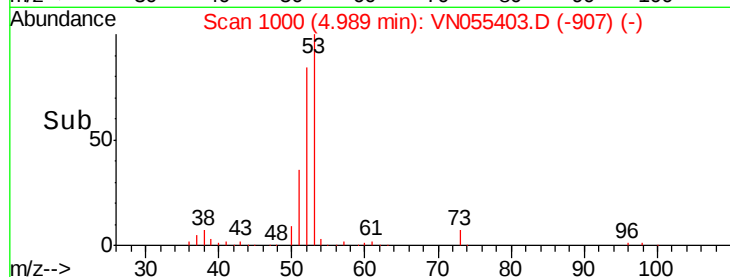
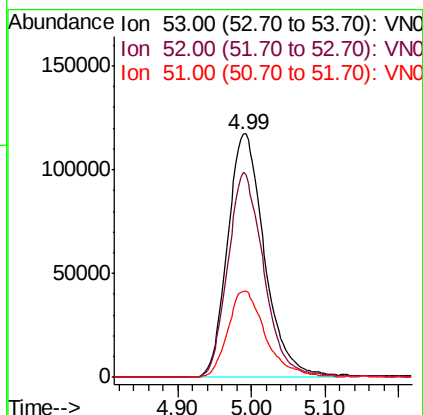
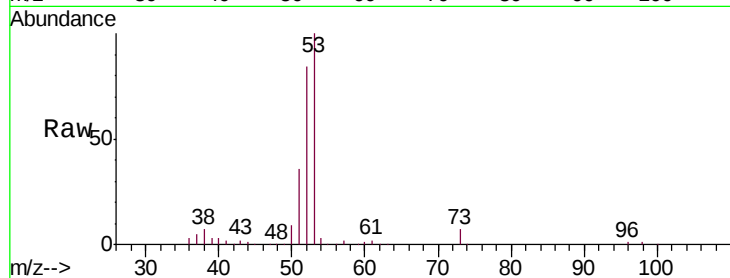
#15
 Acrylonitrile
 Concen: 248.251 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.5	99.7
51	36.4	29.6	44.4

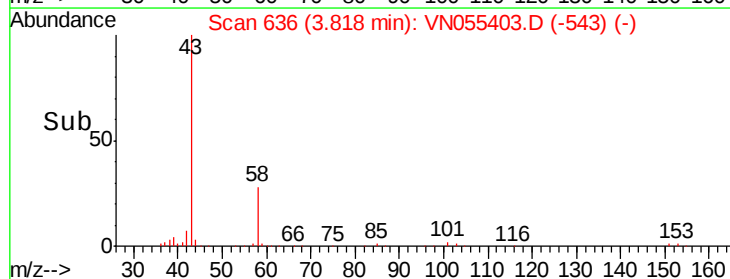
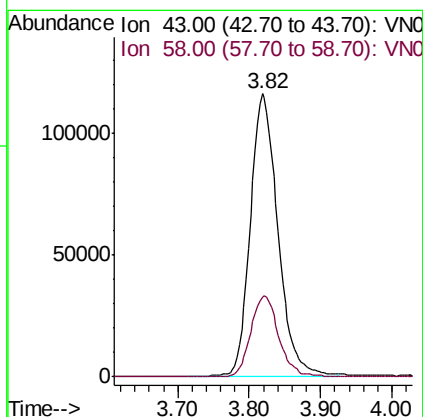
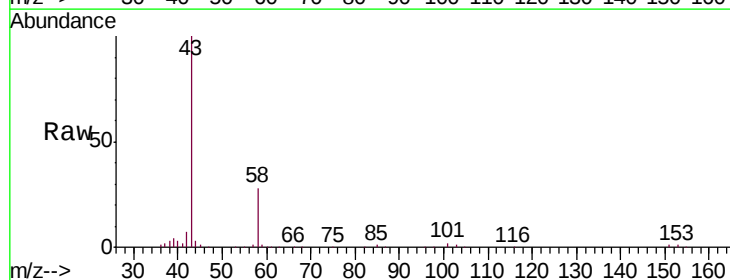
Manual Integrations
 APPROVED

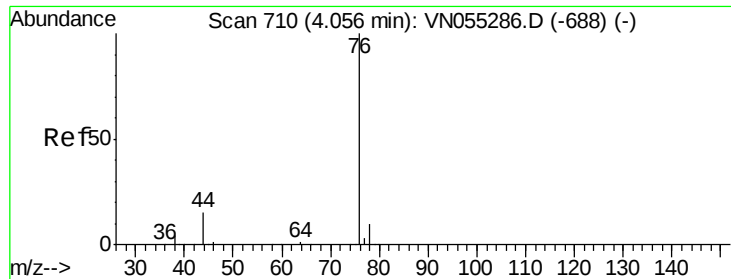
MMDadoda
 5/6/2019 10:47:31 AM



#16
 Acetone
 Concen: 197.026 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.6	35.4





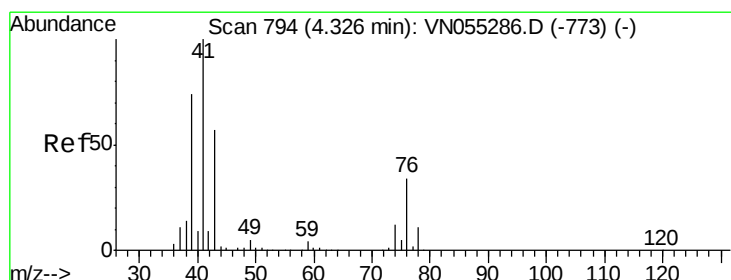
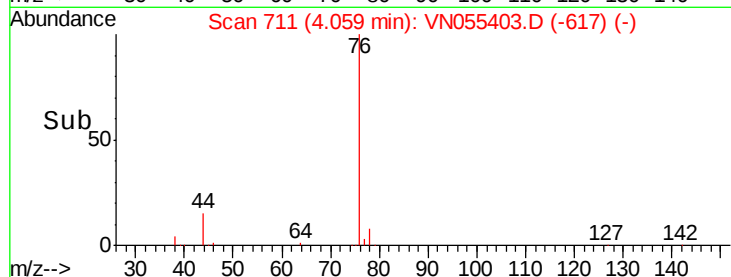
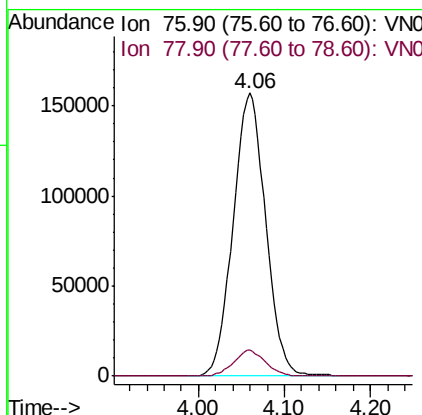
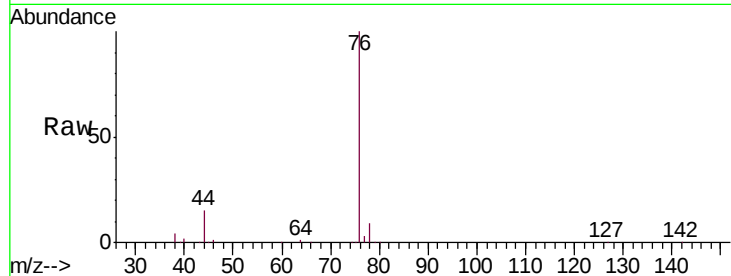
#17
Carbon Disulfide
Concen: 40.847 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tgt Ion: 76 Resp: 412238
Ion Ratio Lower Upper
76 100
78 9.4 7.6 11.4

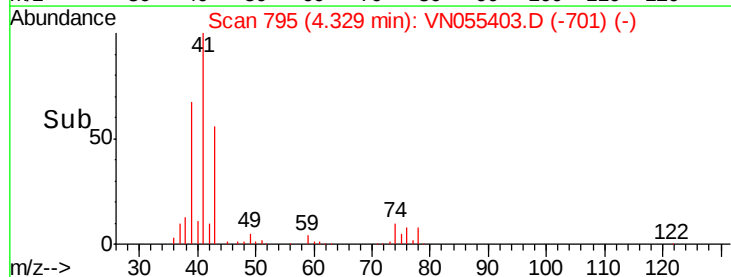
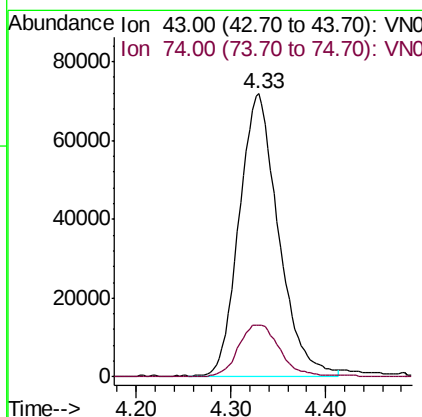
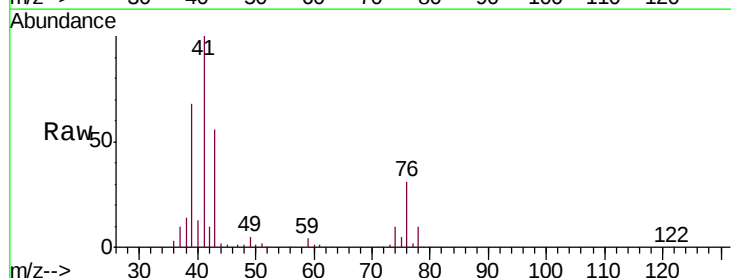
Manual Integrations
APPROVED

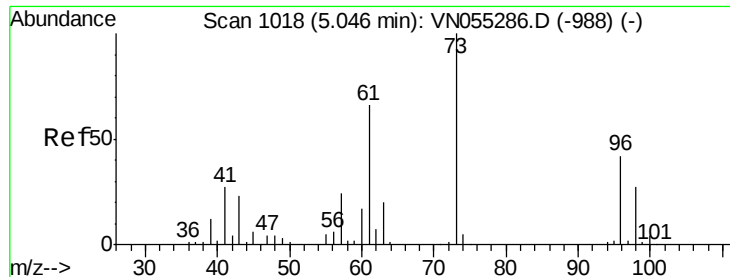
MMDadoda
5/6/2019 10:47:31 AM



#18
Methyl Acetate
Concen: 53.159 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 43 Resp: 206392
Ion Ratio Lower Upper
43 100
74 19.6 15.8 23.8





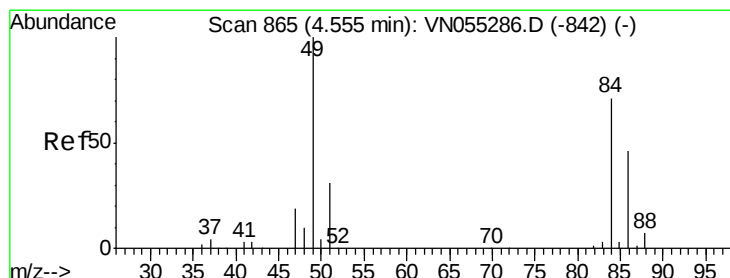
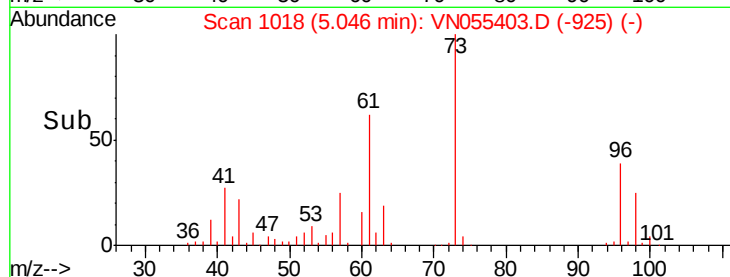
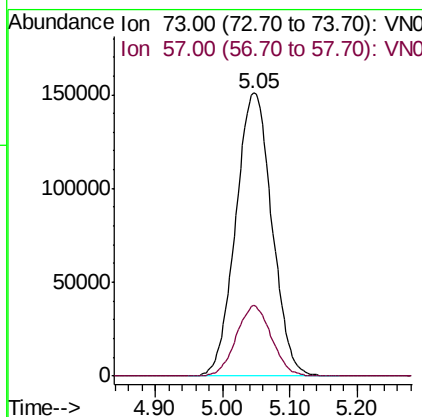
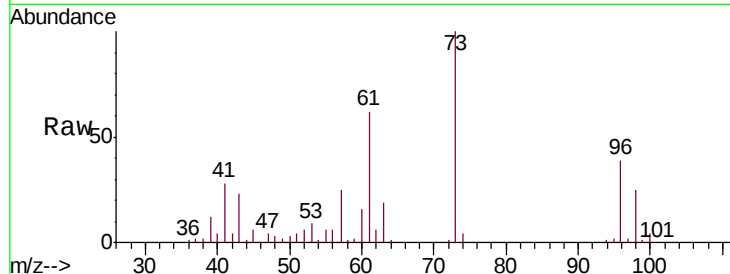
#19
Methyl tert-butyl Ether
Concen: 51.856 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 563753
Ion Ratio Lower Upper
73 100
57 24.9 19.1 28.7

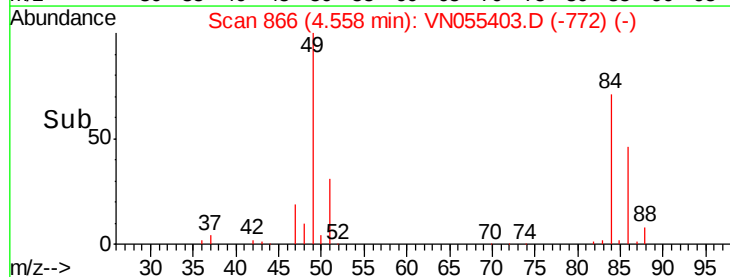
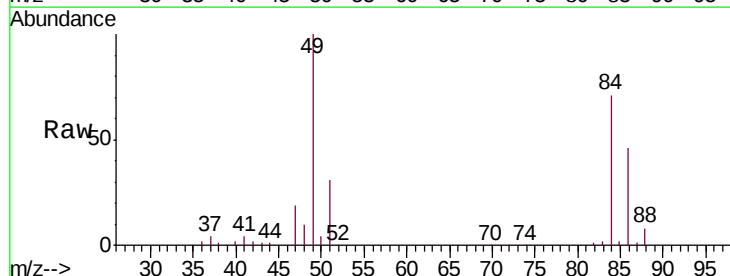
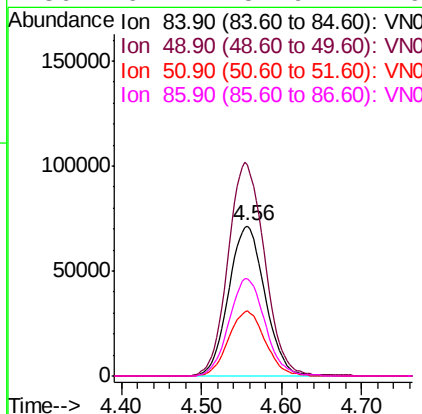
Manual Integrations
APPROVED

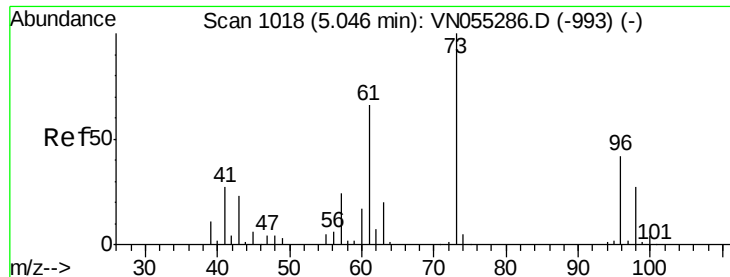
MMDadoda
5/6/2019 10:47:31 AM



#20
Methylene Chloride
Concen: 45.325 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 84 Resp: 220765
Ion Ratio Lower Upper
84 100
49 140.1 112.4 168.6
51 43.2 34.6 51.8
86 64.7 51.9 77.9





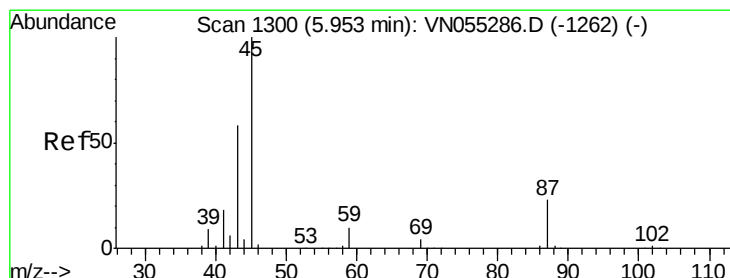
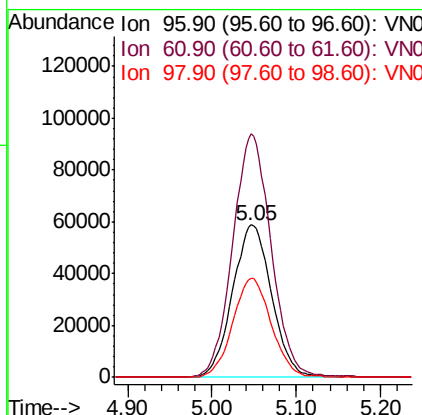
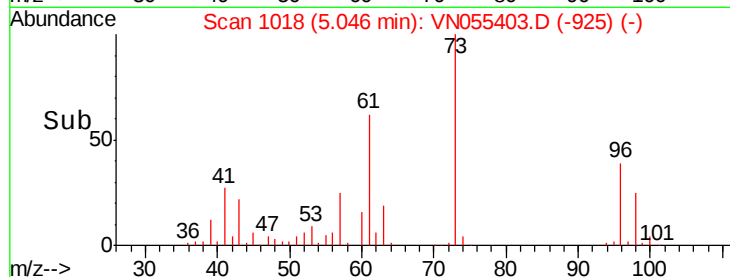
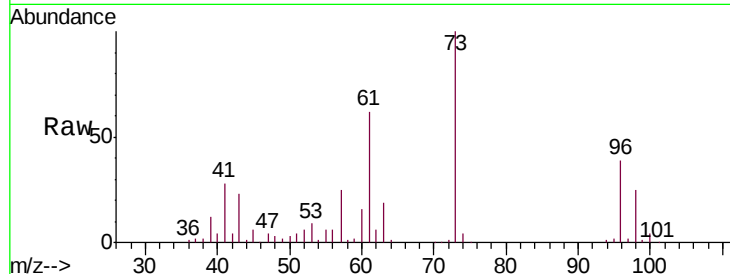
#21
trans-1,2-Dichloroethene
Concen: 46.428 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	126.2	189.4
98	65.1	52.2	78.2

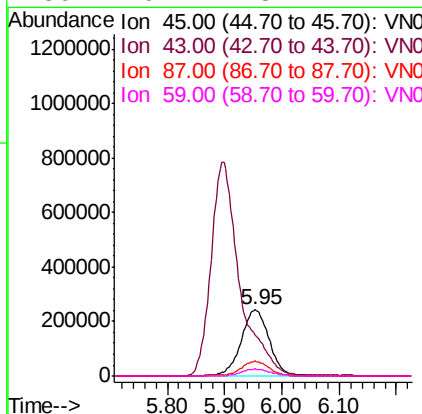
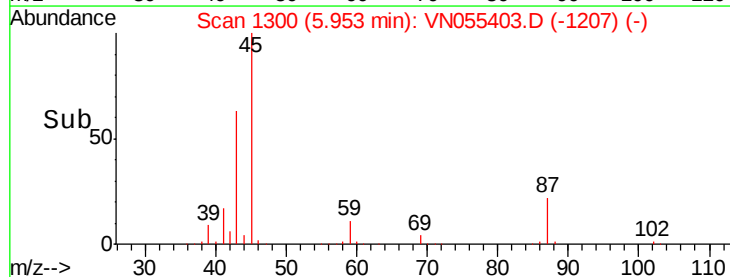
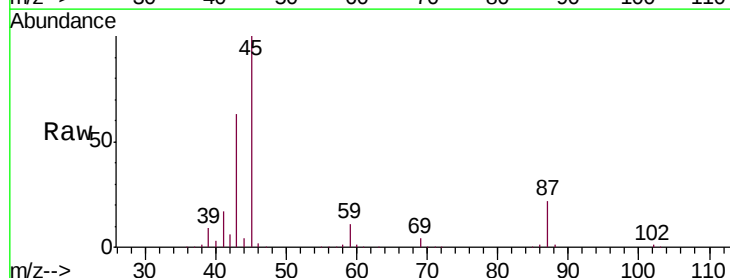
Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:31 AM



#22
Diisopropyl ether
Concen: 52.308 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.8	46.6	70.0
87	22.3	18.1	27.1
59	10.7	8.2	12.2





#23

Vinyl Acetate

Concen: 262.138 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 2734013

Ion Ratio Lower Upper

43 100

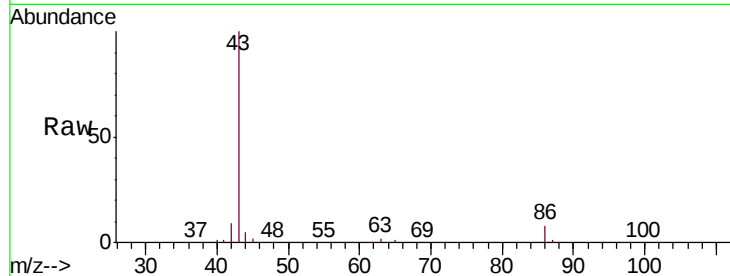
86 8.0 6.6 10.0

Manual Integrations

APPROVED

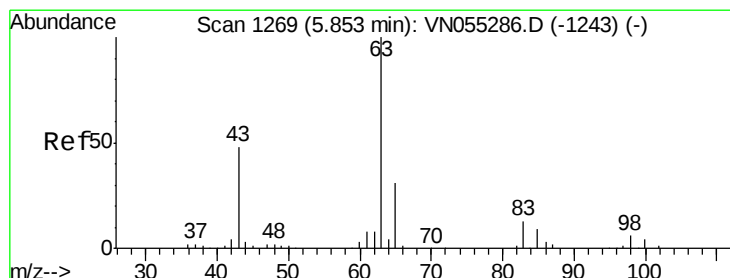
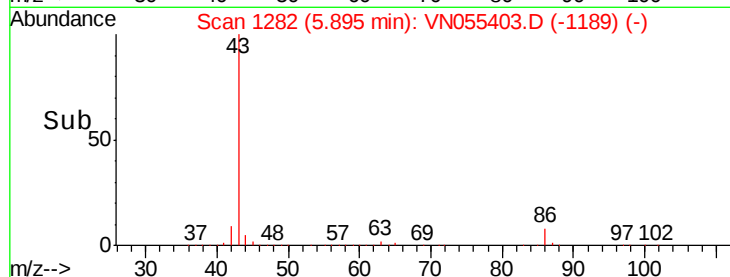
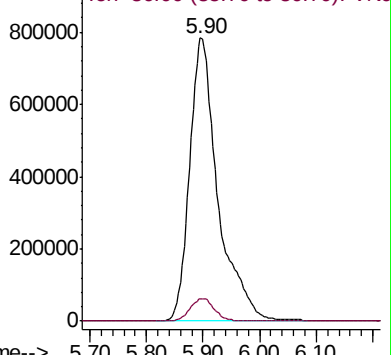
MMDadoda

5/6/2019 10:47:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 49.400 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

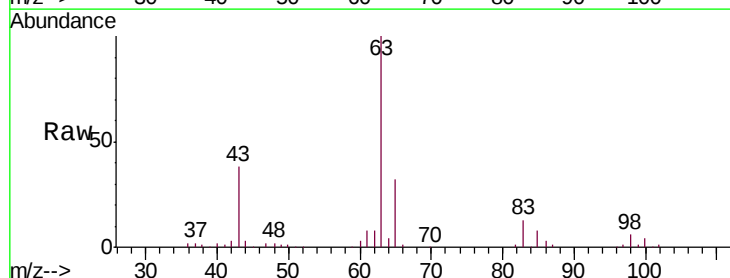
Tgt Ion: 63 Resp: 418857

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

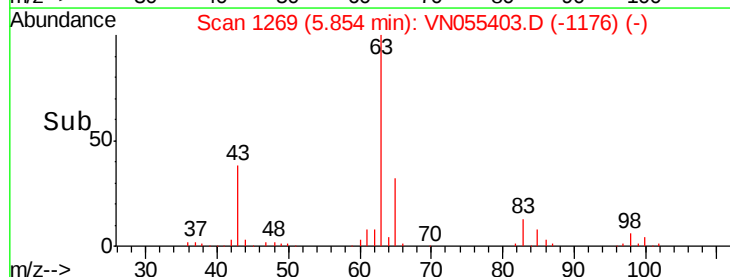
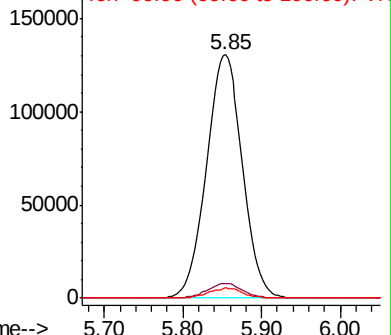
100 4.3 1.8 5.4

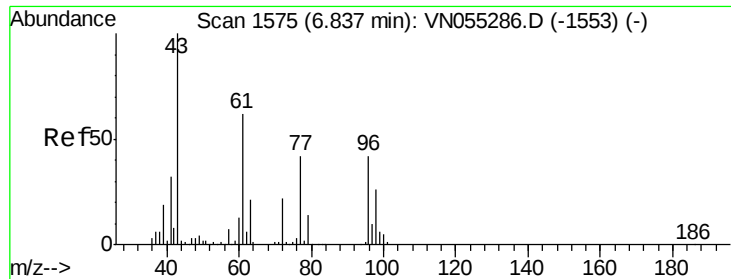


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





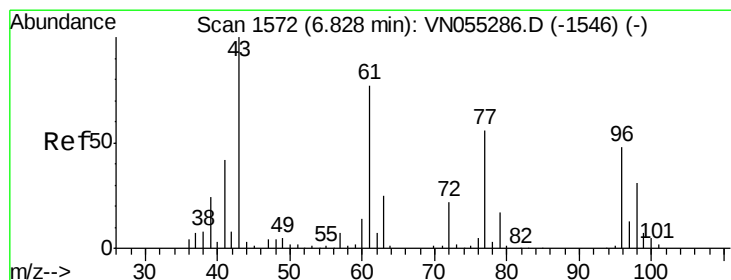
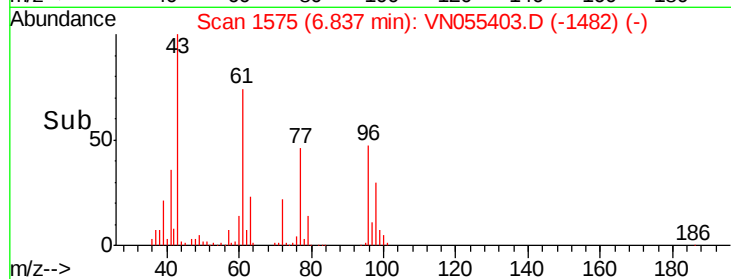
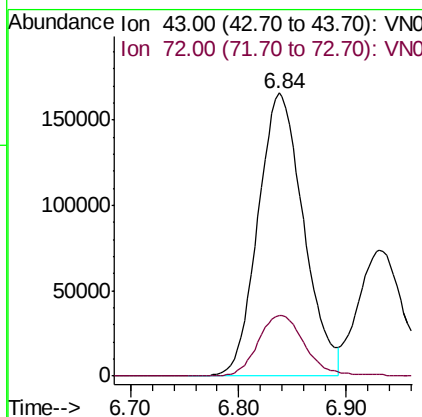
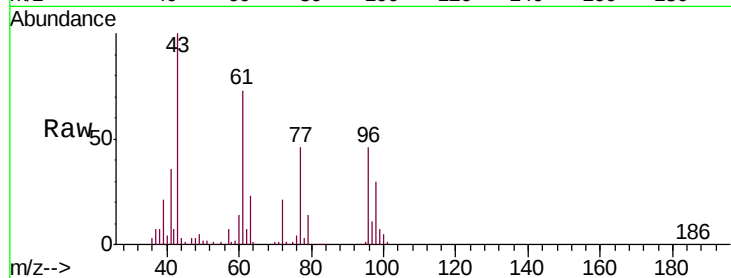
#25
2-Butanone
Concen: 236.740 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 483130
Ion Ratio Lower Upper
43 100
72 21.5 18.0 27.0

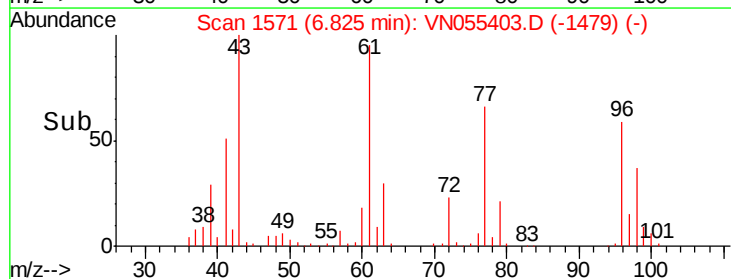
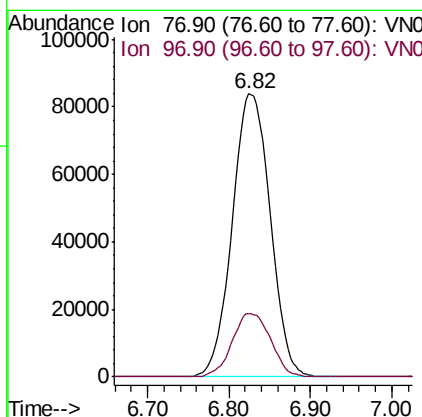
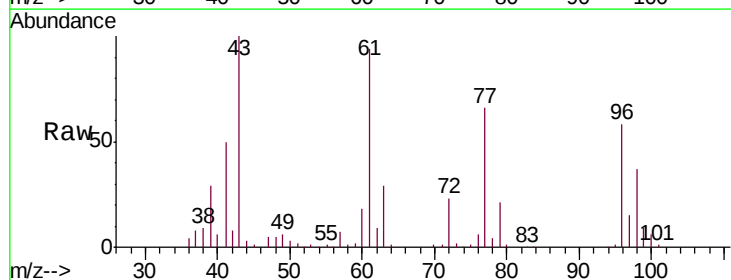
Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:31 AM



#26
2,2-Dichloropropane
Concen: 46.316 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 77 Resp: 271178
Ion Ratio Lower Upper
77 100
97 22.7 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 50.097 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

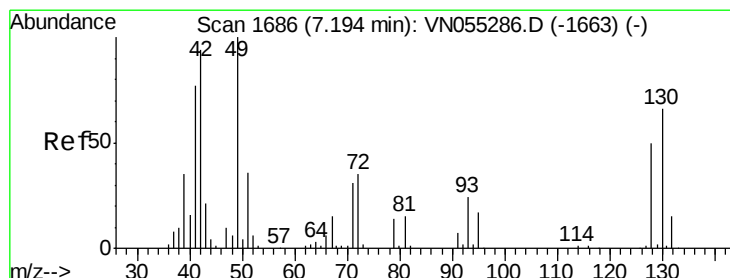
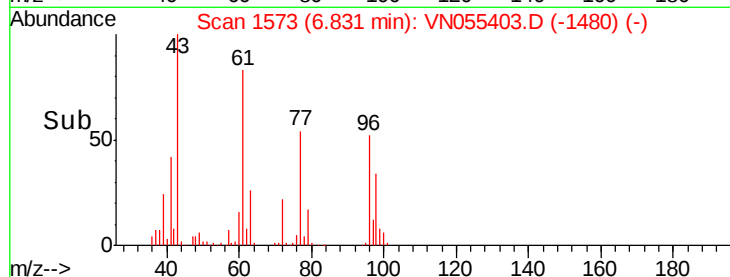
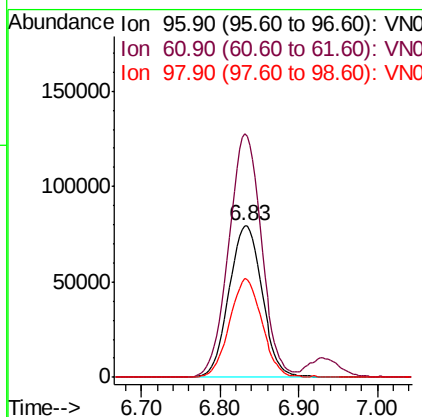
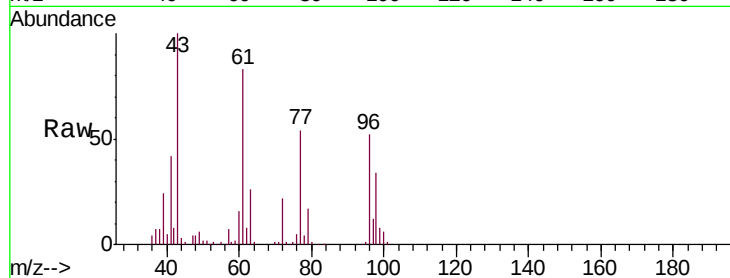
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	233321
Ion	Ratio	Lower	Upper
96	100		
61	158.4	0.0	316.2
98	63.7	0.0	126.6

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:31 AM



#28

Bromochloromethane

Concen: 48.679 ug/l

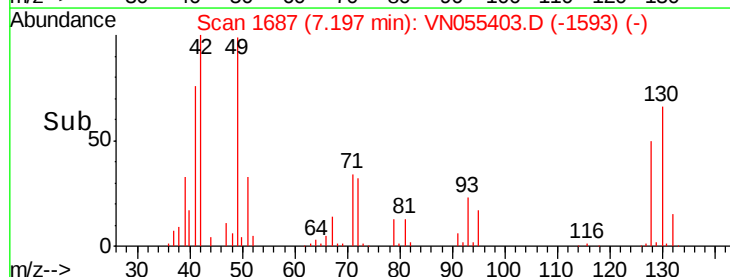
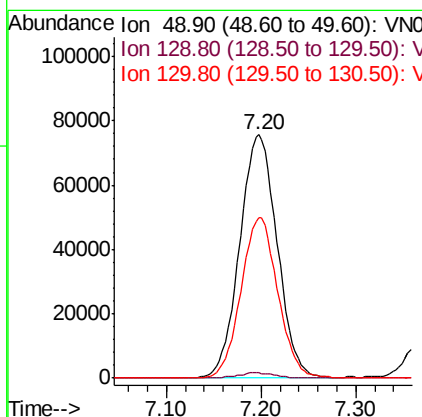
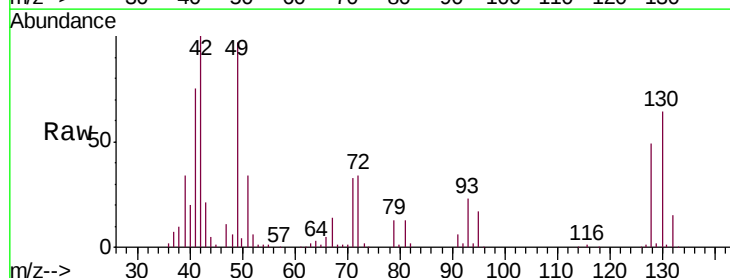
RT: 7.20 min Scan# 1687

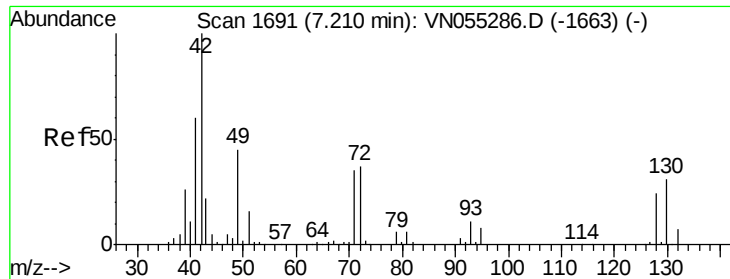
Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Tgt Ion:	49	Resp:	208050
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.4
130	64.9	52.0	78.0





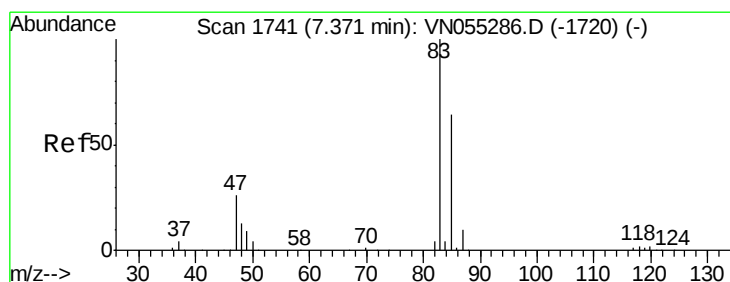
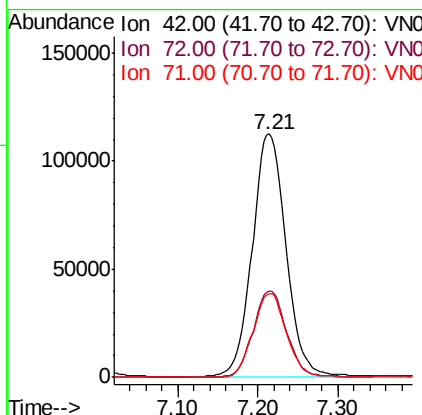
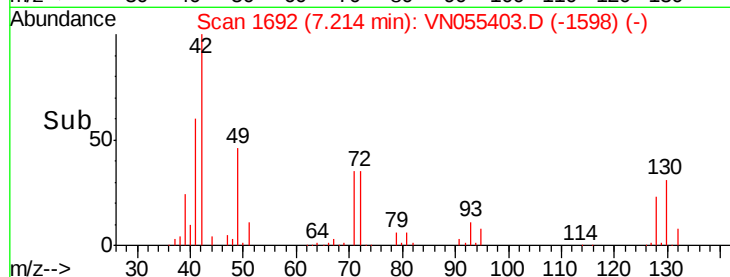
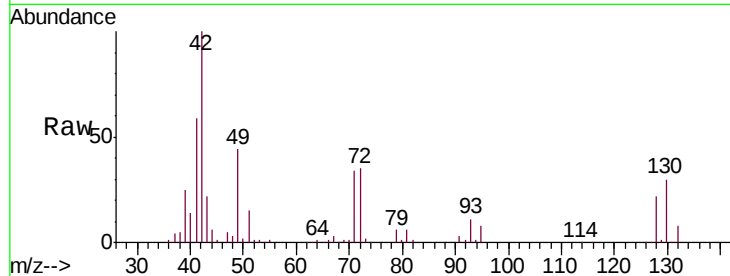
#29
Tetrahydrofuran
Concen: 250.180 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.0	29.0	43.6
71	34.0	27.1	40.7

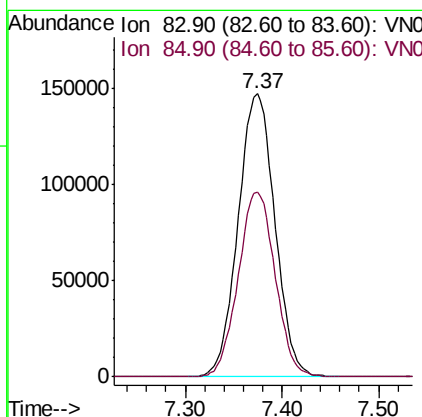
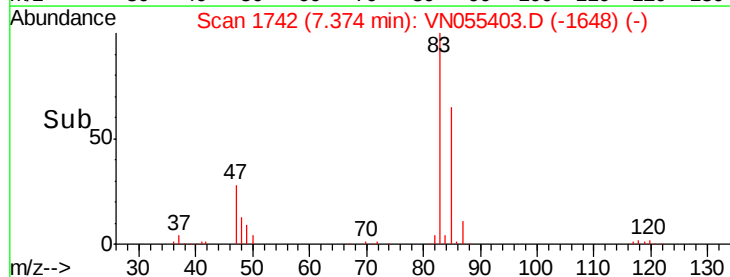
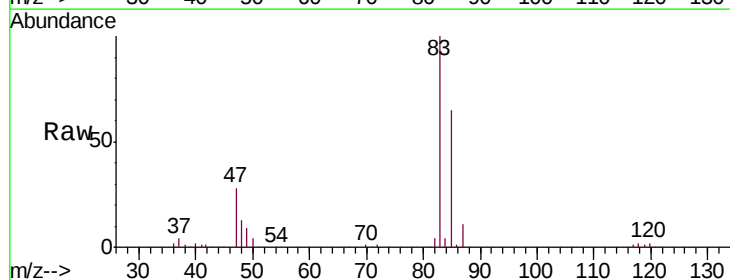
Manual Integrations
APPROVED

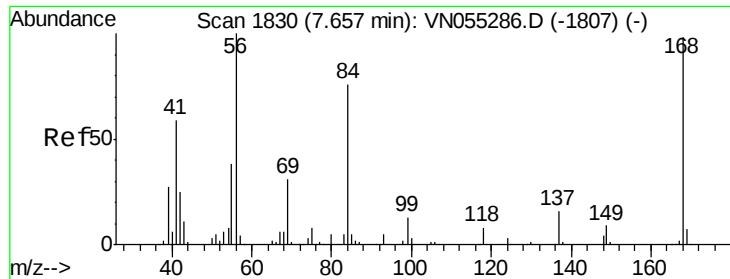
MMDadoda
5/6/2019 10:47:31 AM



#30
Chloroform
Concen: 48.472 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.2





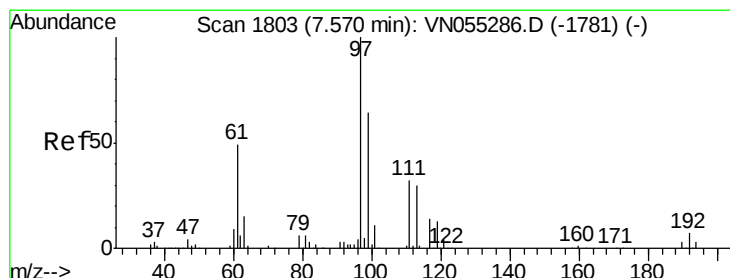
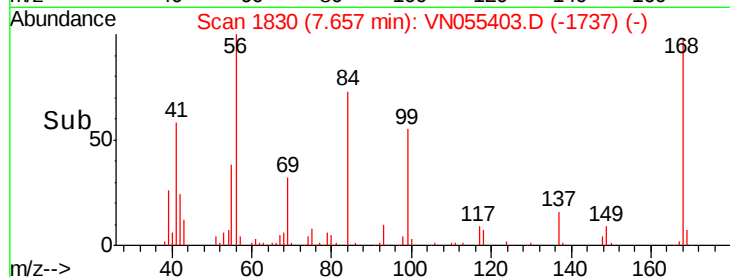
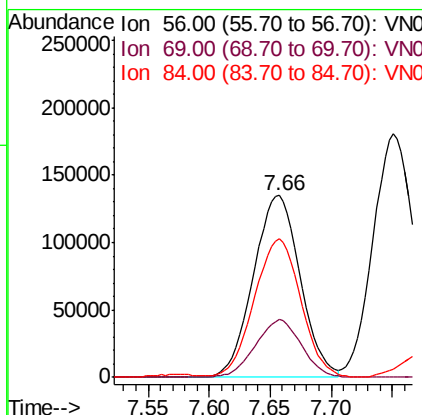
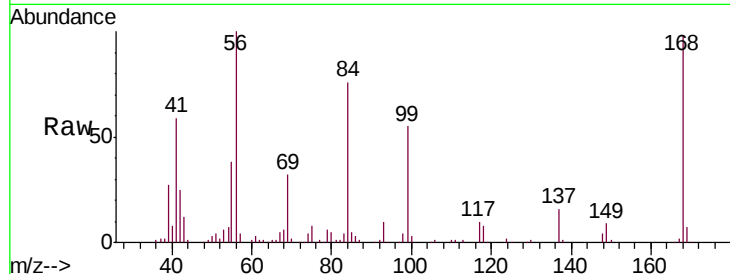
#31
Cyclohexane
Concen: 44.721 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.2	37.8
84	74.6	61.1	91.7

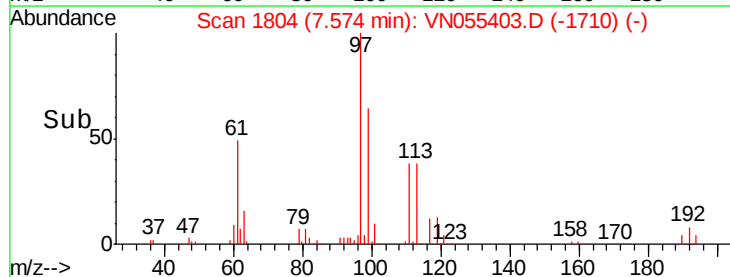
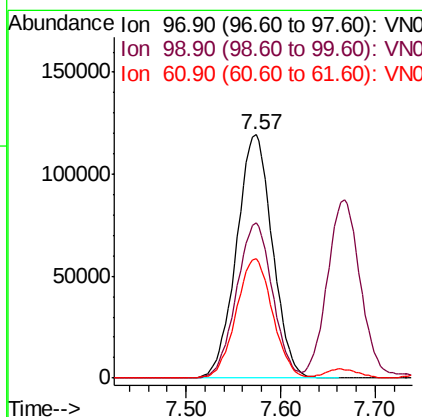
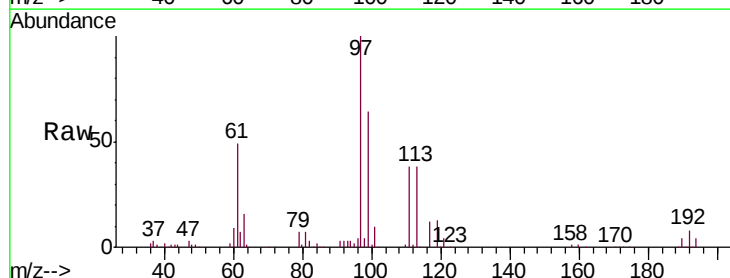
Manual Integrations
APPROVED

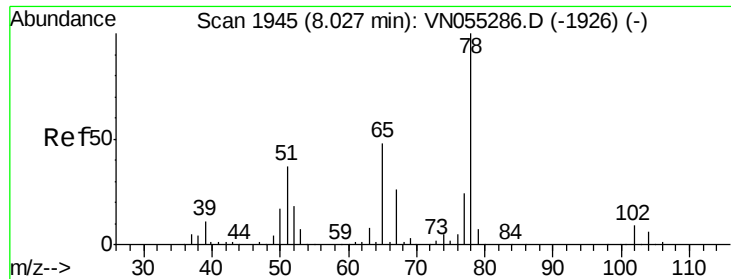
MMDadoda
5/6/2019 10:47:31 AM



#32
1,1,1-Trichloroethane
Concen: 48.368 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.8	77.8
61	49.7	39.0	58.6





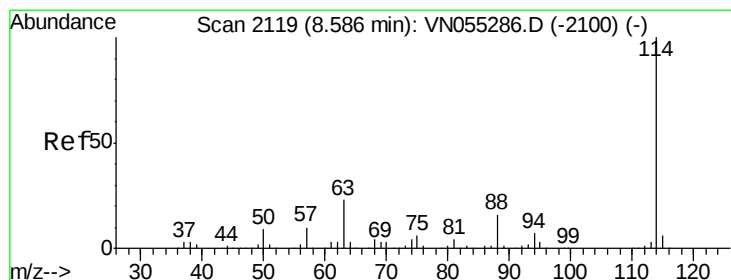
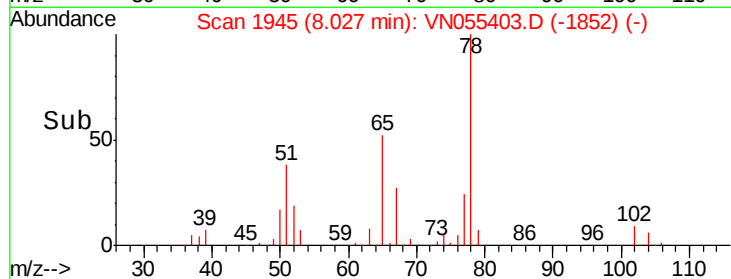
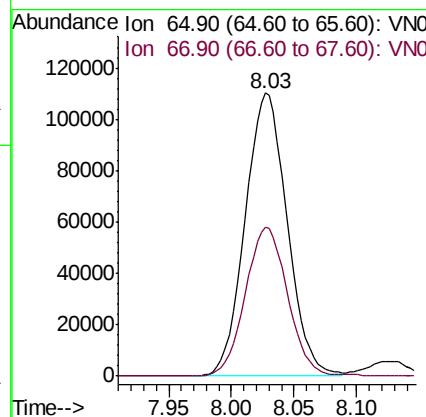
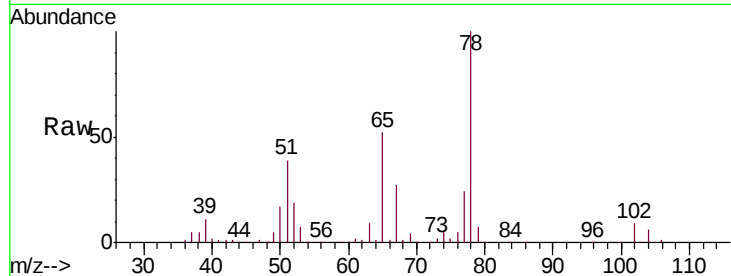
#33
 1,2-Dichloroethane-d4
 Concen: 50.223 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	257210		
67	53.1	0.0	106.8	

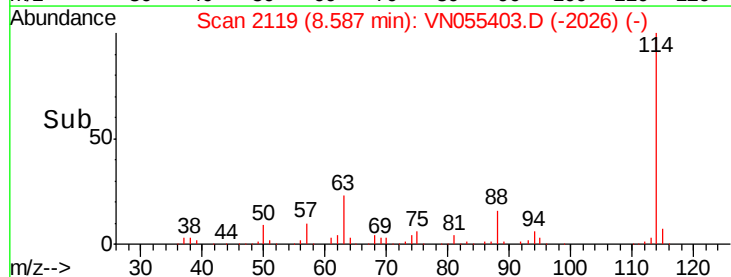
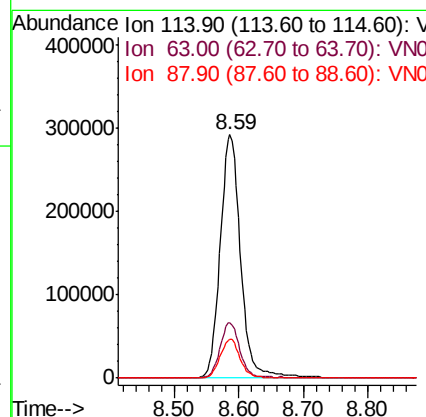
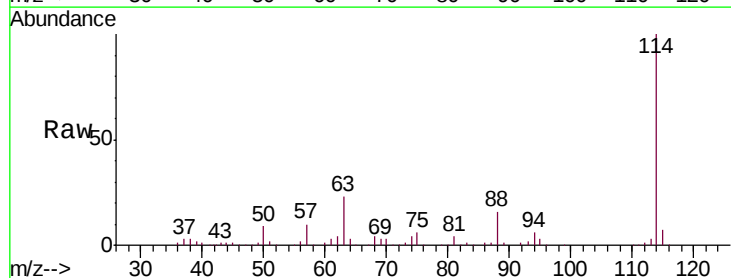
Manual Integrations
 APPROVED

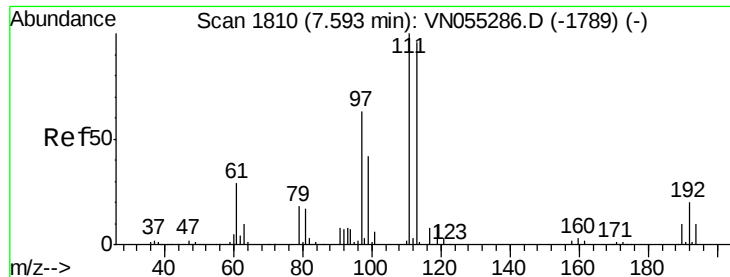
MMDadoda
 5/6/2019 10:47:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	645349		
63	22.9	0.0	45.2	
88	16.1	0.0	31.6	





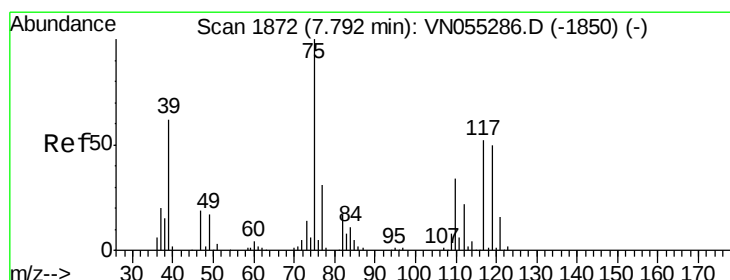
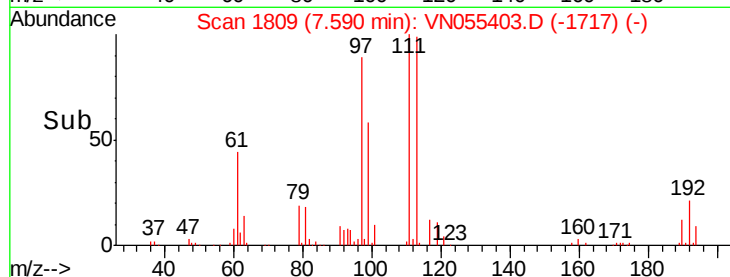
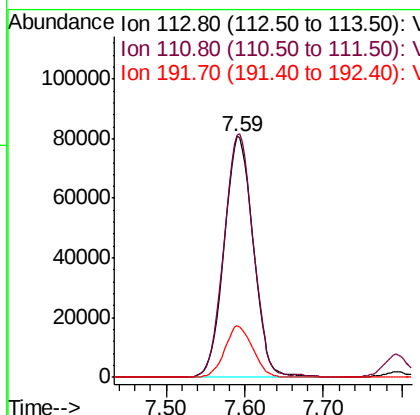
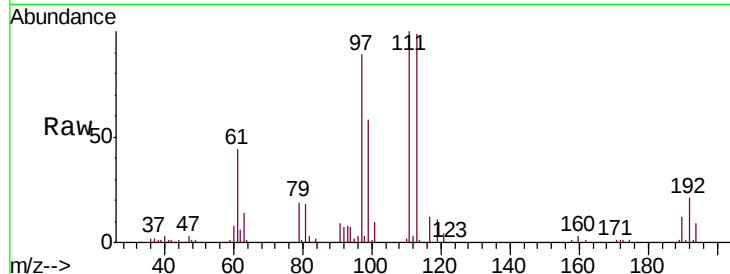
#35
 Dibromofluoromethane
 Concen: 48.685 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	206223		
111	101.3	82.3	123.5	
192	20.5	17.0	25.6	

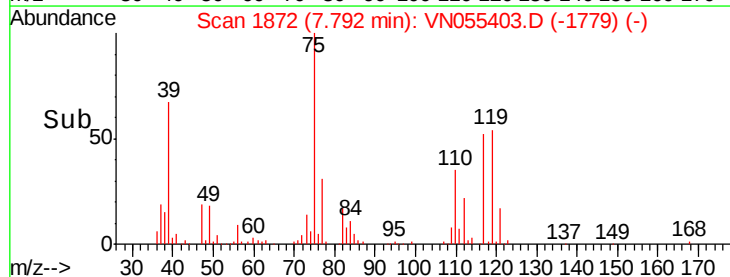
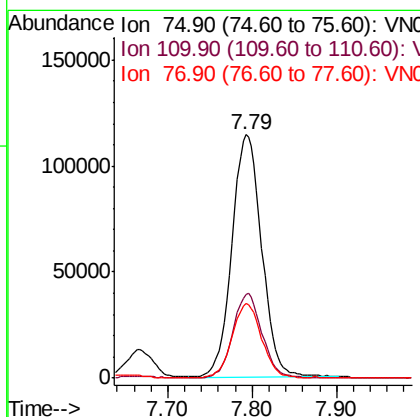
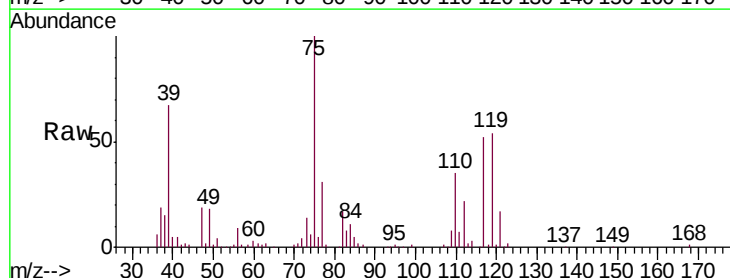
Manual Integrations
 APPROVED

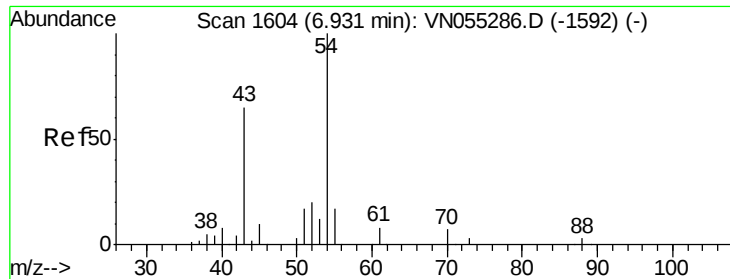
MMDadoda
 5/6/2019 10:47:31 AM



#36
 1,1-Dichloropropene
 Concen: 45.596 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	281852		
110	34.0	16.8	50.4	
77	30.6	25.0	37.6	





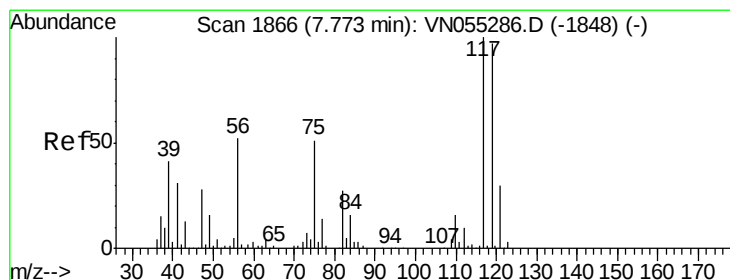
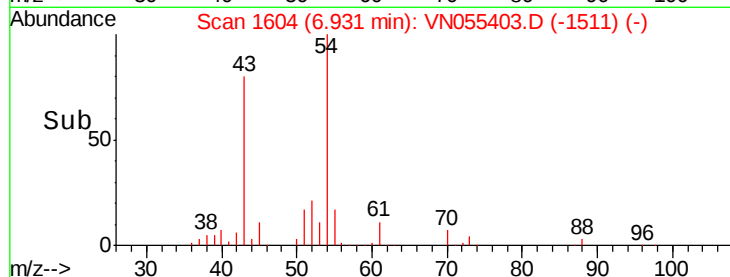
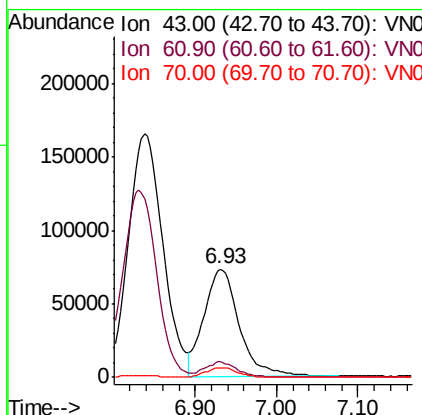
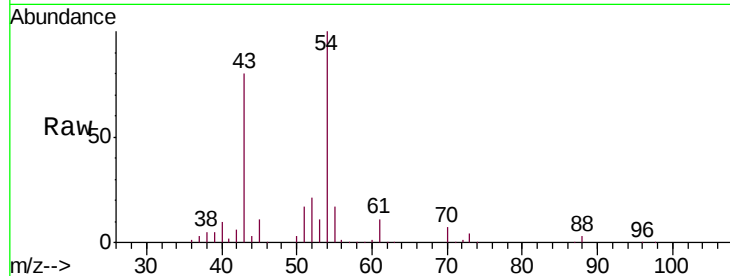
#37
Ethyl Acetate
Concen: 46.611 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.4	15.6
70	8.3	6.6	10.0

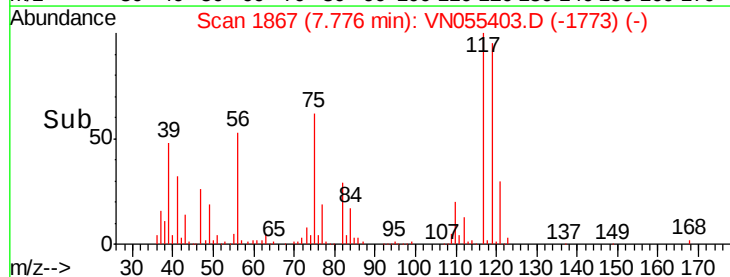
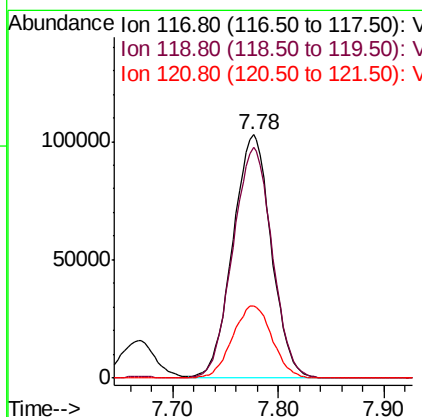
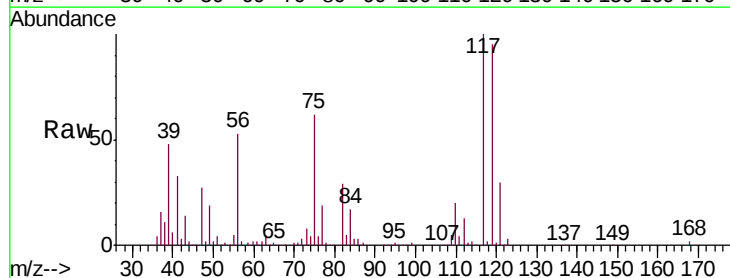
Manual Integrations
APPROVED

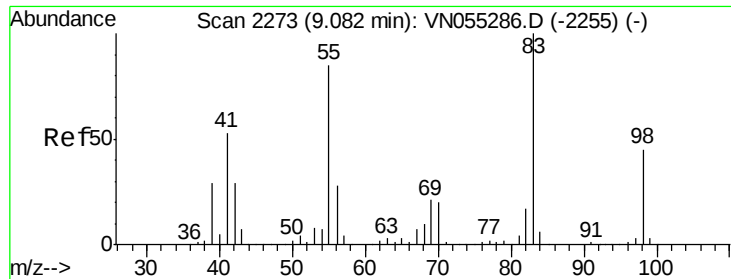
MMDadoda
5/6/2019 10:47:31 AM



#38
Carbon Tetrachloride
Concen: 43.586 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.0	115.6
121	29.7	23.8	35.8





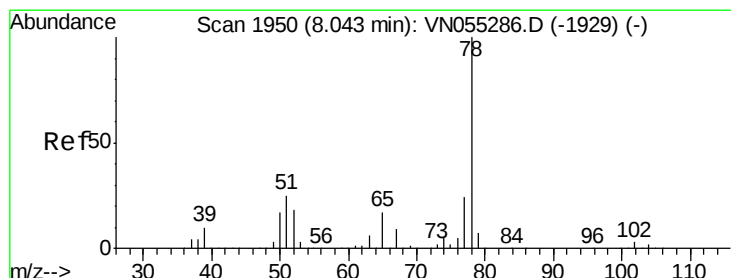
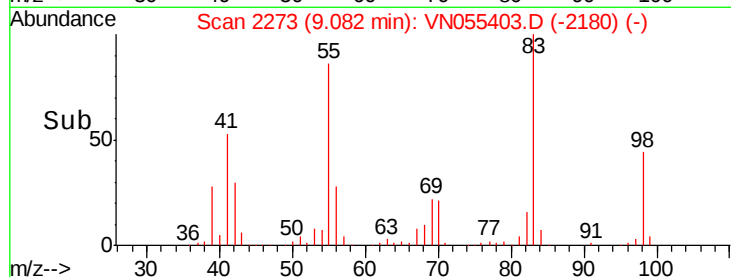
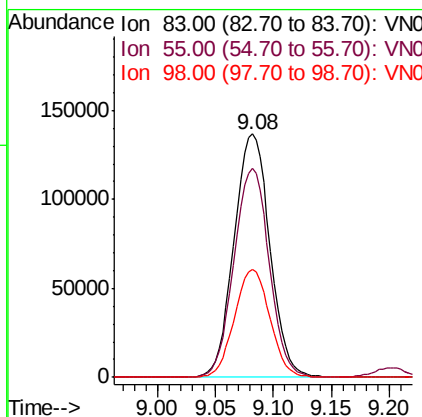
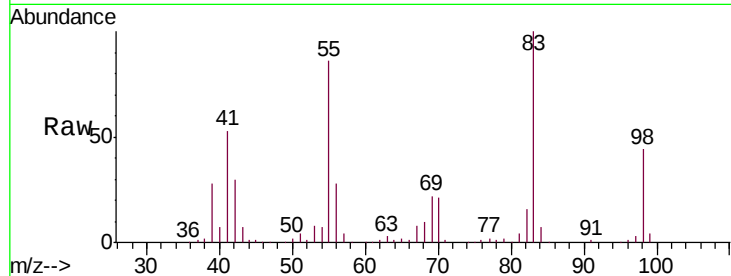
#39
Methylcyclohexane
Concen: 44.819 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.7	67.8	101.6
98	44.4	36.2	54.4

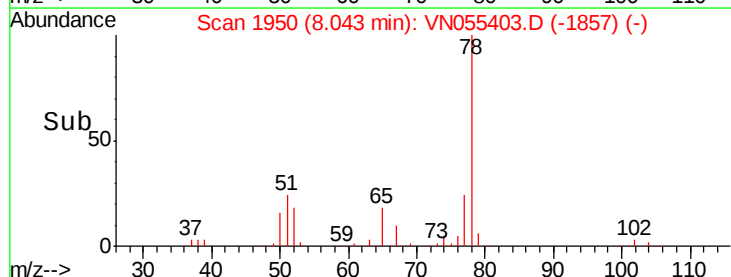
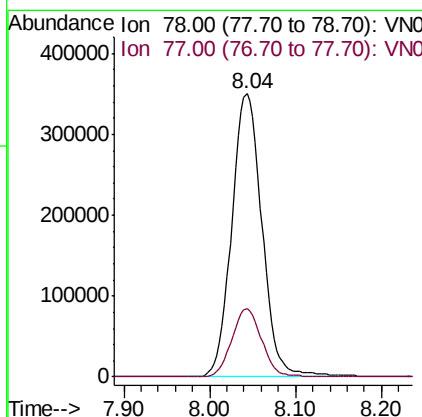
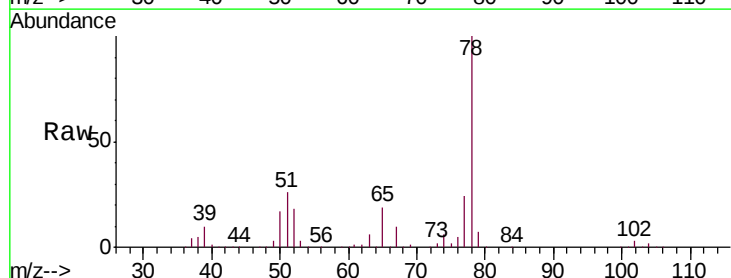
Manual Integrations
APPROVED

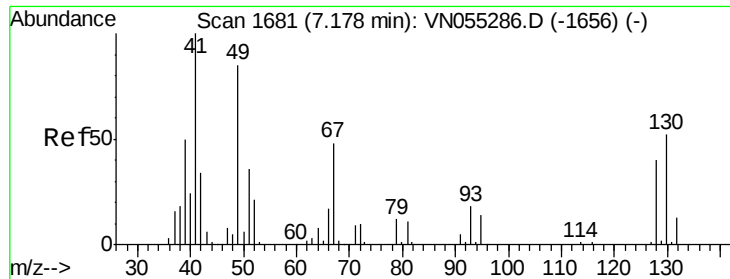
MMDadoda
5/6/2019 10:47:31 AM



#40
Benzene
Concen: 46.994 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





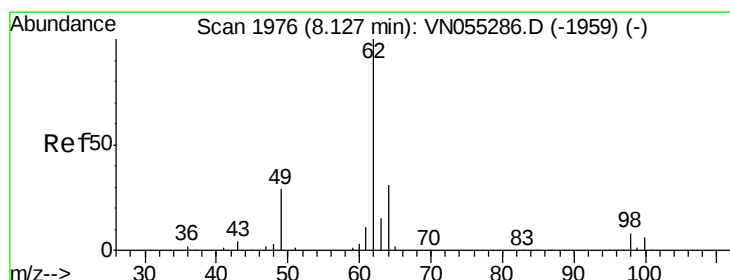
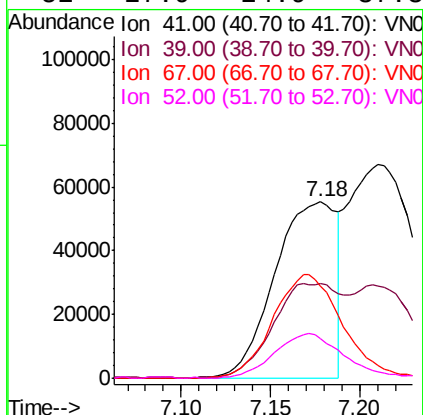
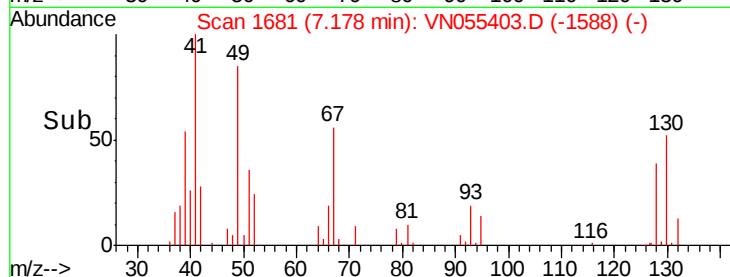
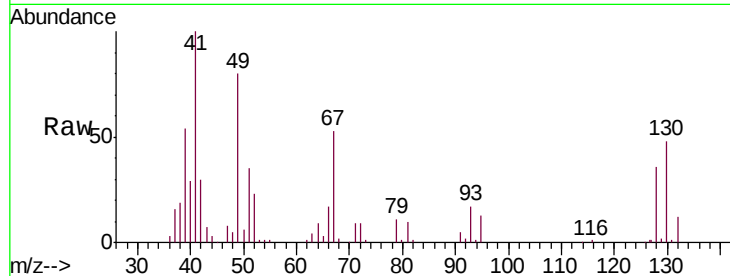
#41
Methacrylonitrile
Concen: 51.812 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	33.6	48.5	72.7#
67	66.4	54.9	82.3
52	27.9	24.9	37.3

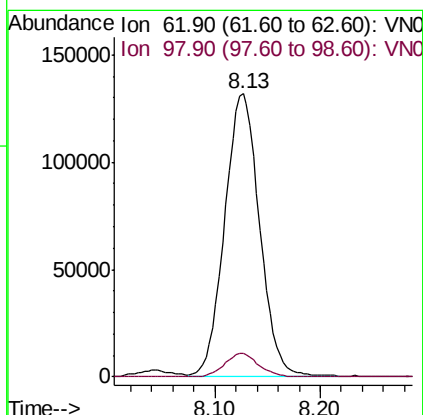
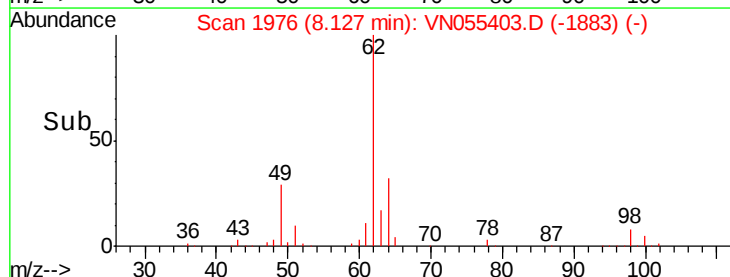
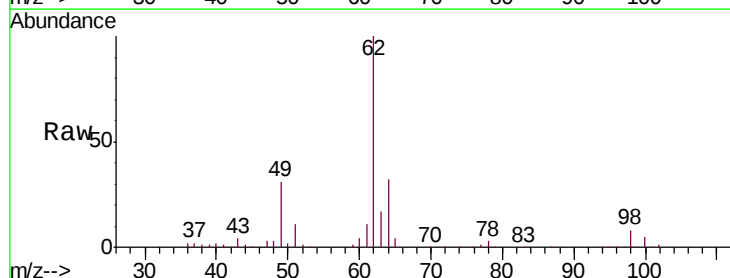
Manual Integrations
APPROVED

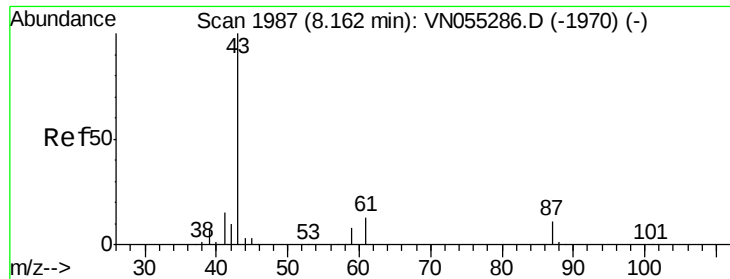
MMDadoda
5/6/2019 10:47:31 AM



#42
1,2-Dichloroethane
Concen: 46.654 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.4





#43

Isopropyl Acetate

Concen: 51.446 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

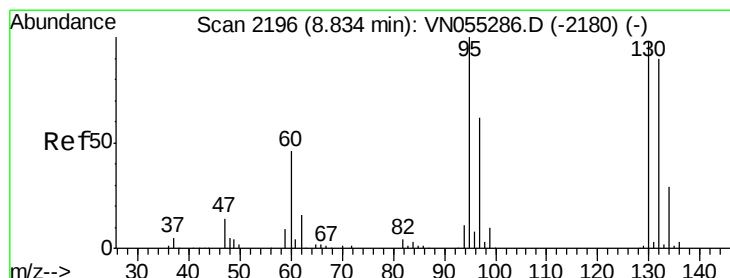
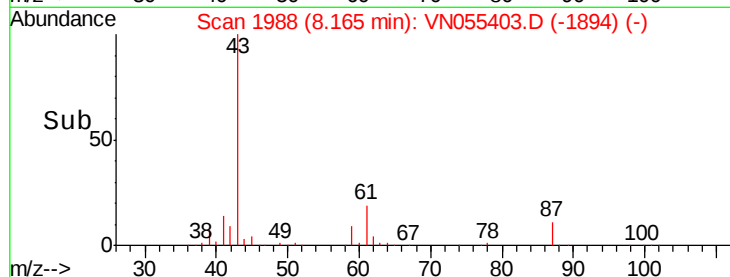
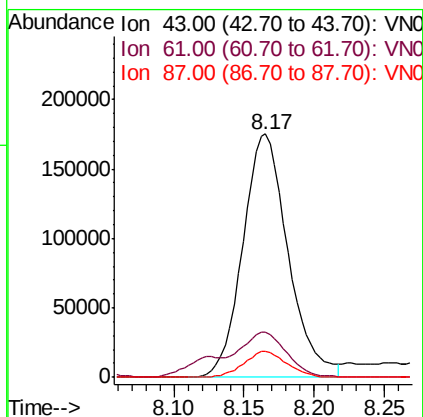
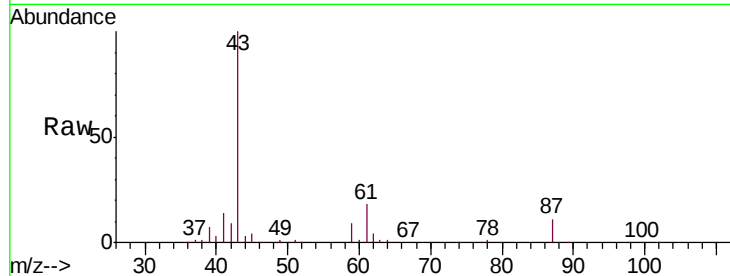
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	391689
Ion	Ratio	Lower	Upper
43	100		
61	18.2	20.8	31.2#
87	10.2	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:31 AM



#44

Trichloroethene

Concen: 46.679 ug/l

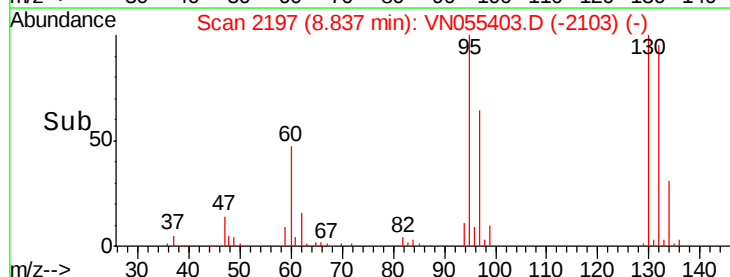
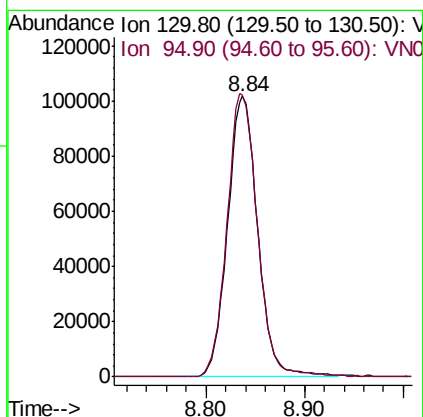
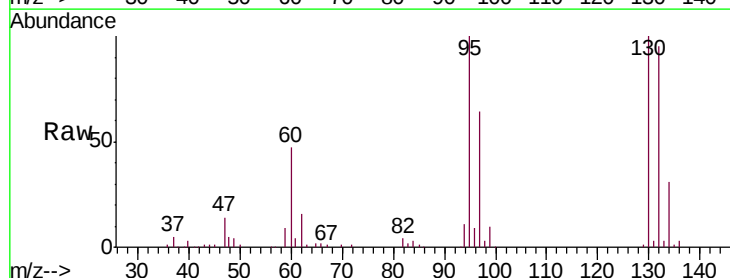
RT: 8.84 min Scan# 2197

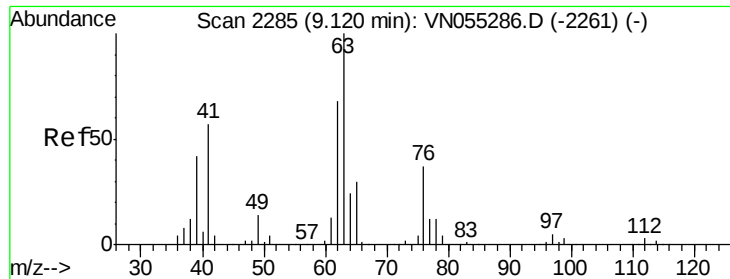
Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Tgt Ion:	130	Resp:	216842
Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	203.4





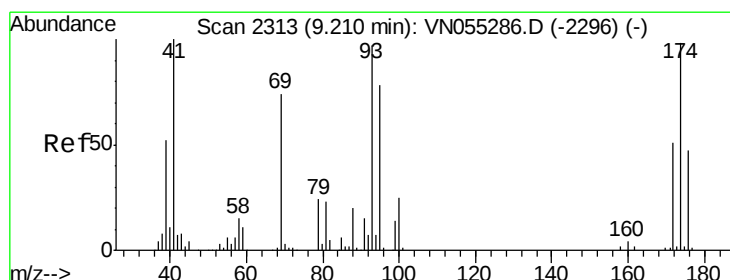
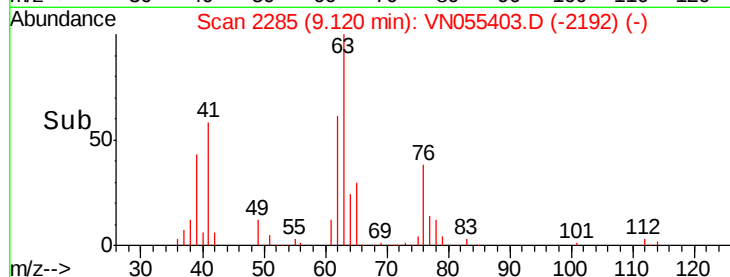
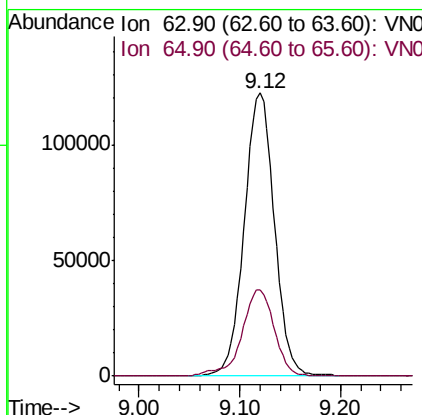
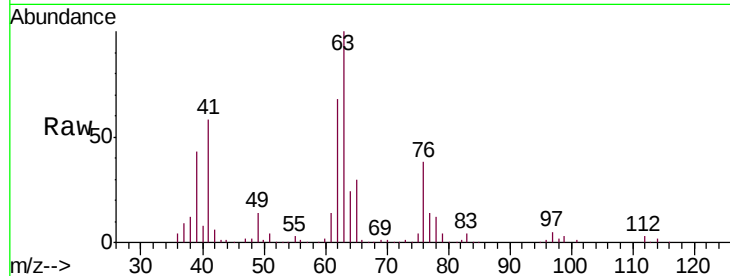
#45
 1,2-Dichloropropane
 Concen: 48.056 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 252567
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.9 35.9

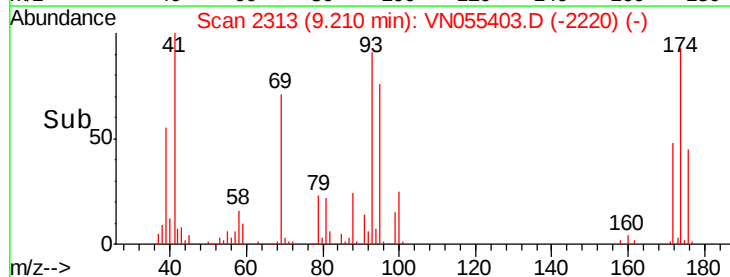
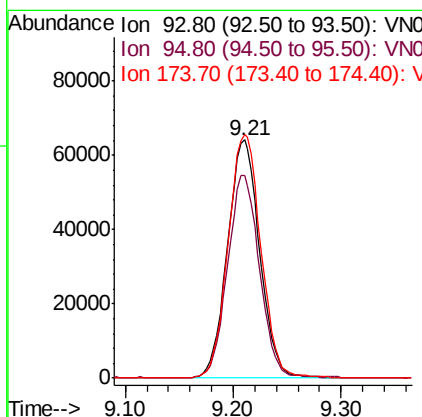
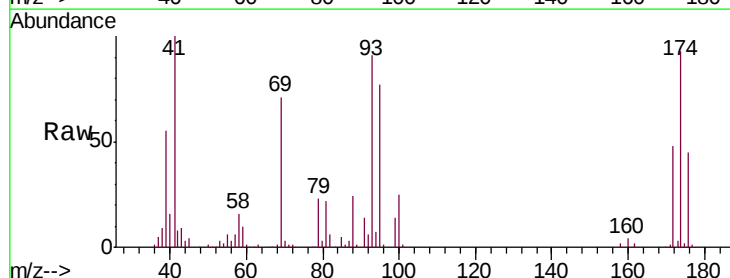
Manual Integrations
 APPROVED

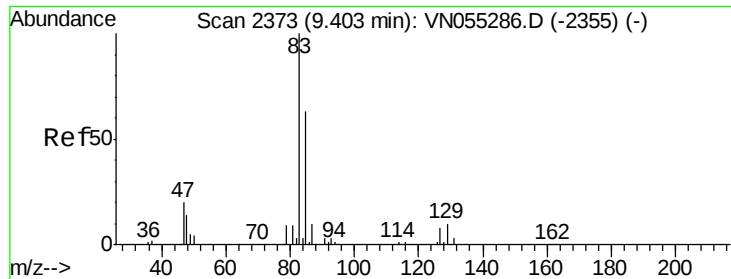
MMDadoda
 5/6/2019 10:47:31 AM



#46
 Dibromomethane
 Concen: 46.526 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion: 93 Resp: 133658
 Ion Ratio Lower Upper
 93 100
 95 84.5 65.7 98.5
 174 104.0 81.5 122.3





#47

Bromodichloromethane

Concen: 48.595 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

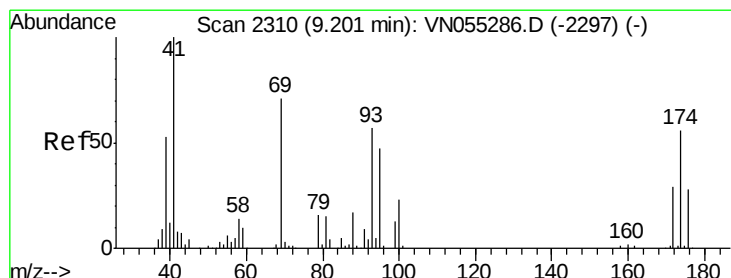
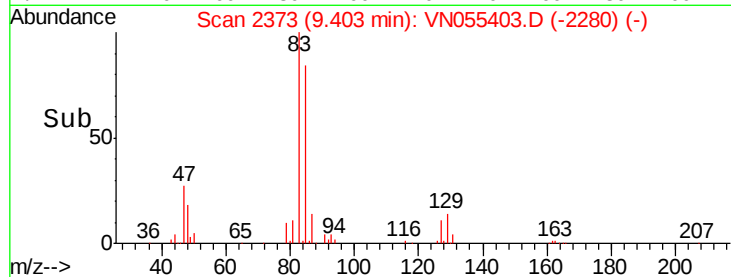
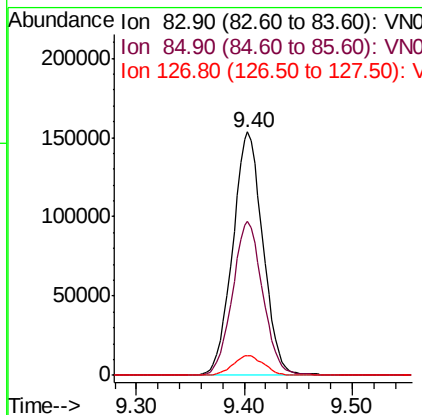
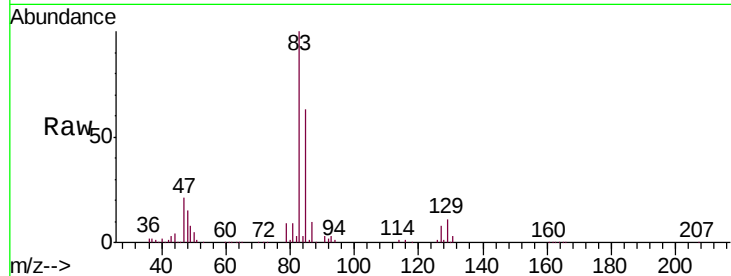
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	299492
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.1	75.1
127	8.2	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:31 AM



#48

Methyl methacrylate

Concen: 49.287 ug/l

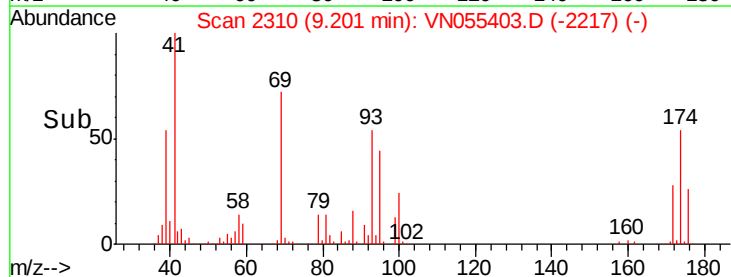
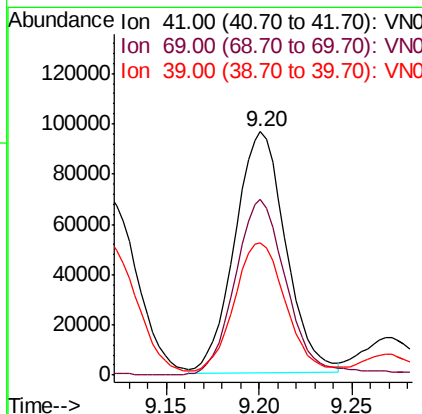
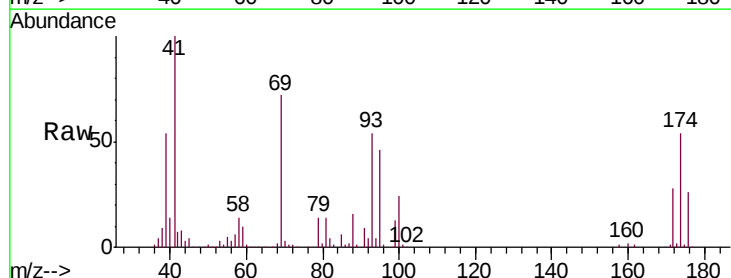
RT: 9.20 min Scan# 2310

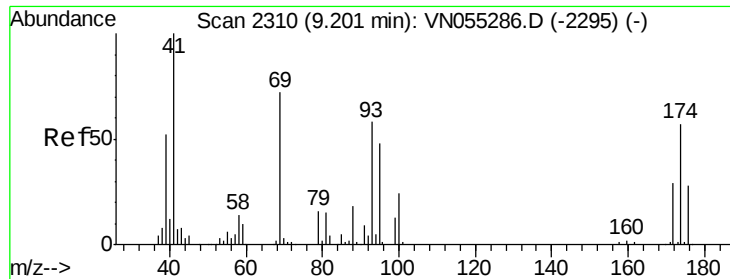
Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Tgt Ion:	41	Resp:	184473
Ion Ratio	Lower	Upper	
41	100		
69	74.7	58.6	87.8
39	55.3	43.8	65.6





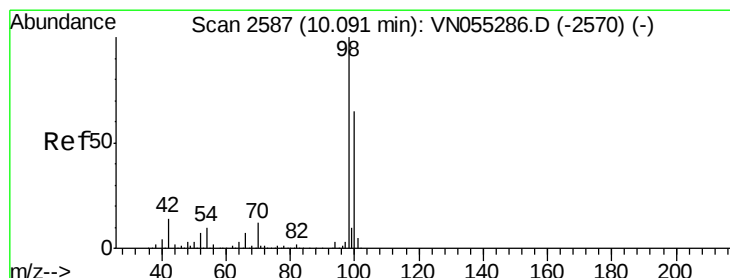
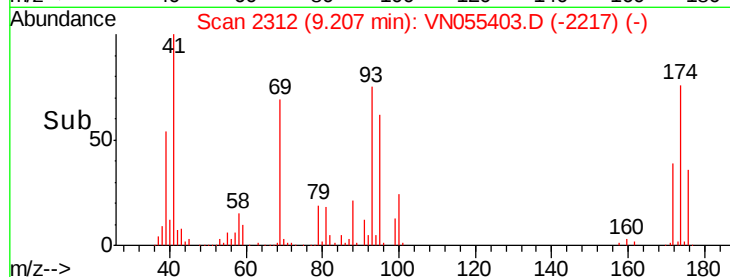
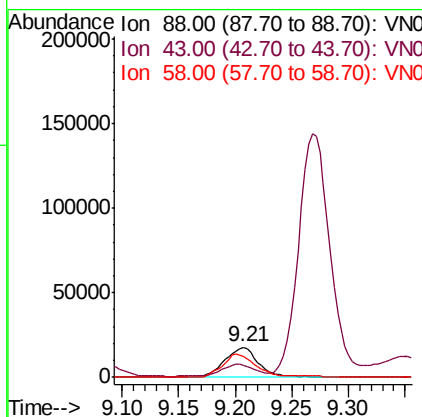
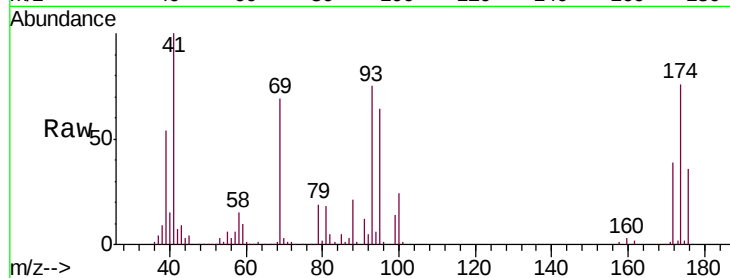
#49
1,4-Dioxane
Concen: 962.009 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.4	33.3	49.9
58	76.1	62.7	94.1

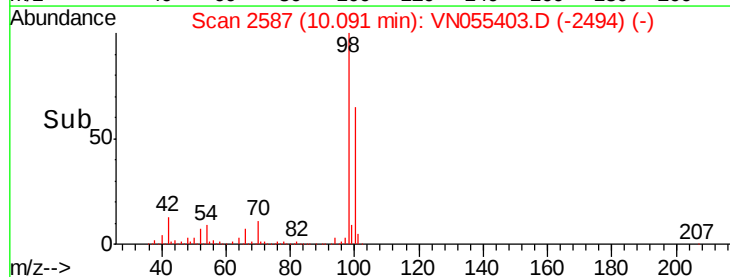
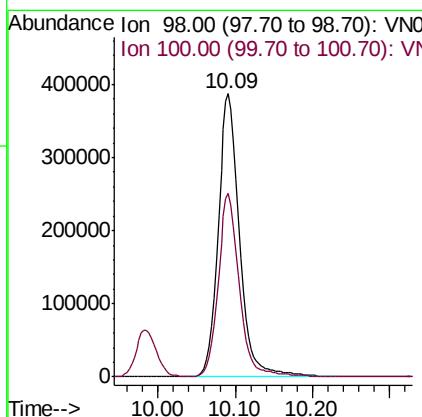
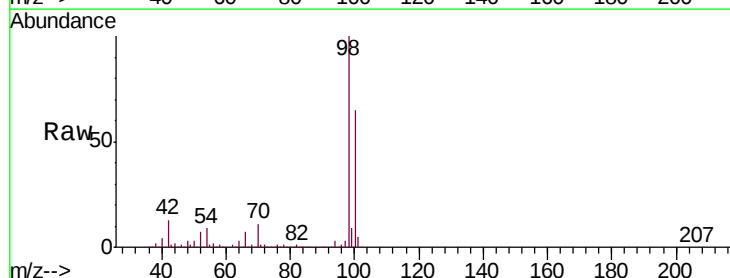
Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:31 AM



#50
Toluene-d8
Concen: 48.871 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 243.401 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1043347

Ion Ratio Lower Upper

43 100

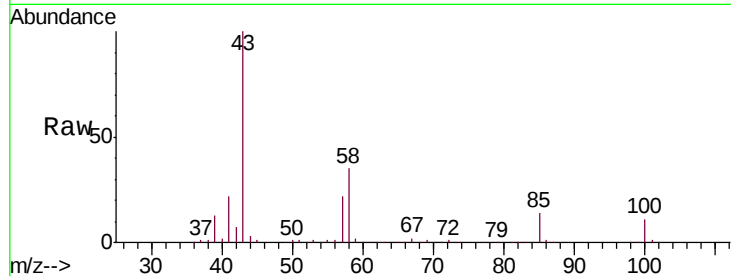
58 34.7 28.5 42.7

Manual Integrations

APPROVED

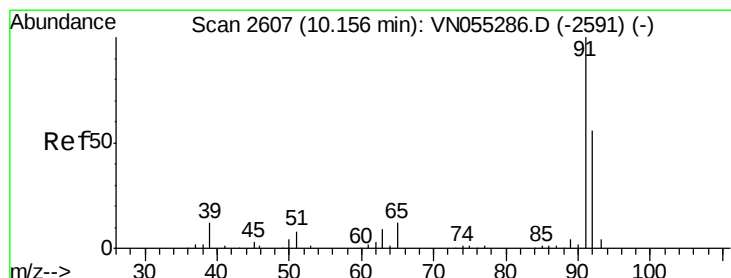
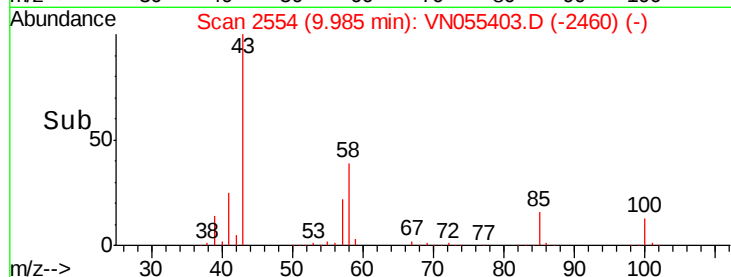
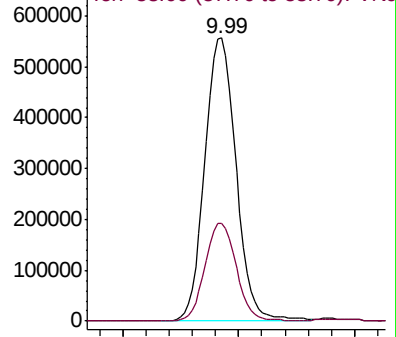
MMDadoda

5/6/2019 10:47:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 47.546 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055403.D

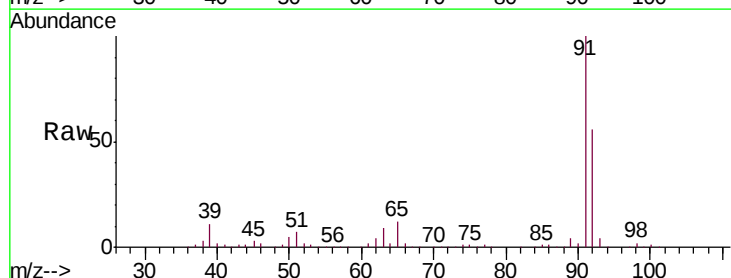
Acq: 3 May 2019 20:48

Tgt Ion: 92 Resp: 497119

Ion Ratio Lower Upper

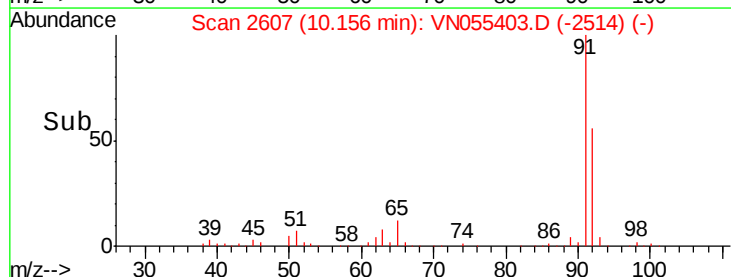
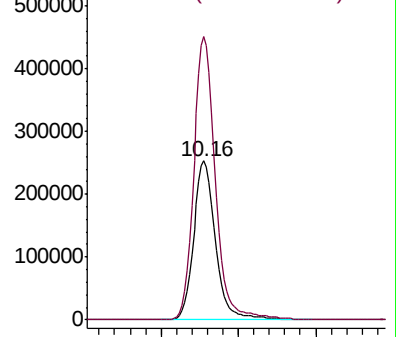
92 100

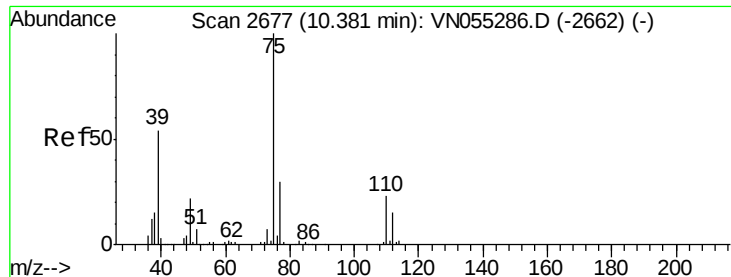
91 176.7 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 50.782 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 271690

Ion Ratio Lower Upper

75 100

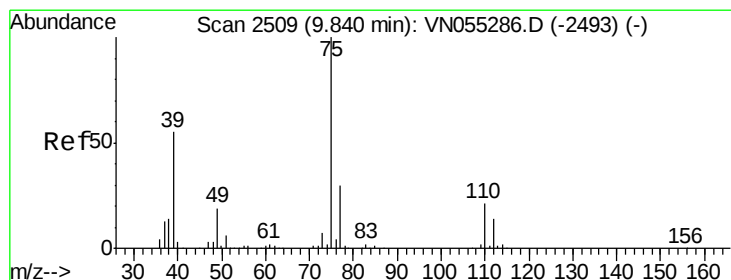
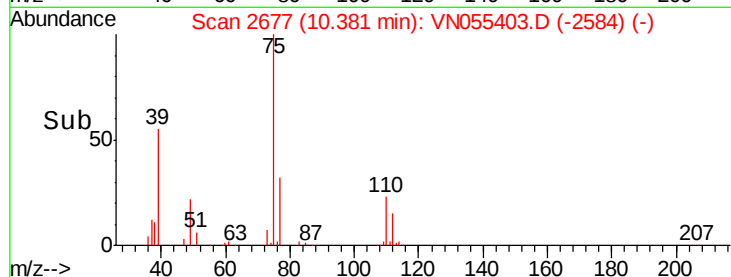
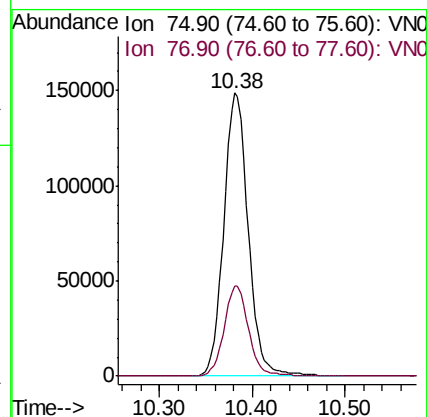
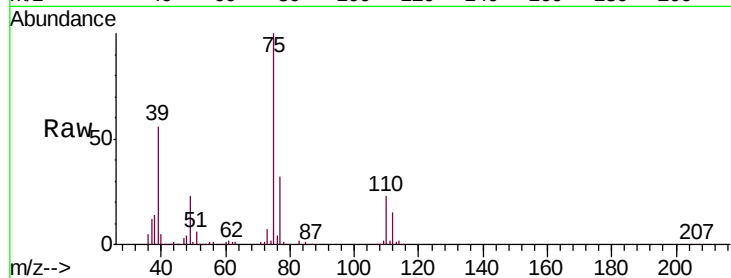
77 31.8 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

5/6/2019 10:47:31 AM



#54

cis-1,3-Dichloropropene

Concen: 50.817 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

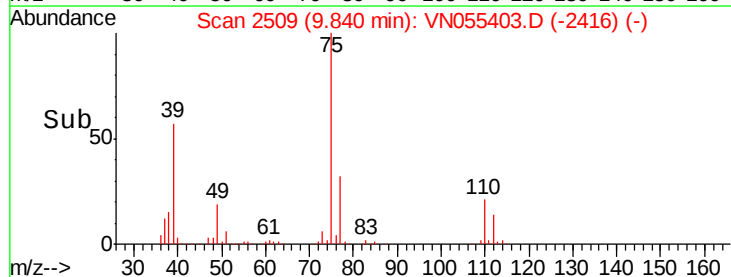
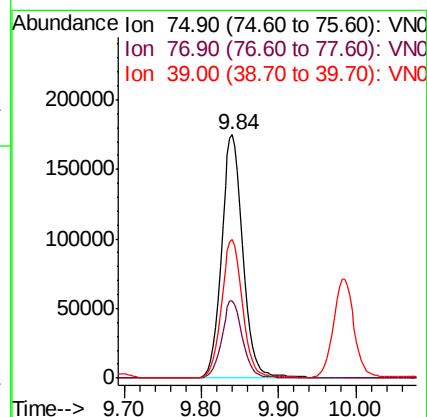
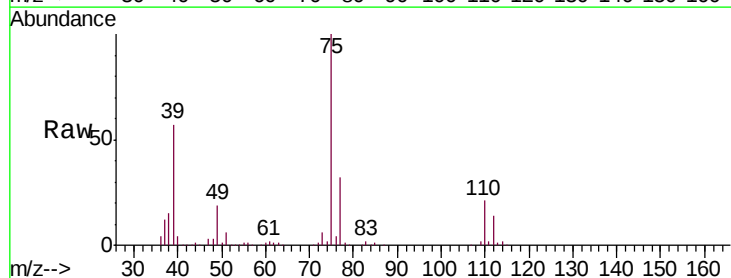
Tgt Ion: 75 Resp: 338974

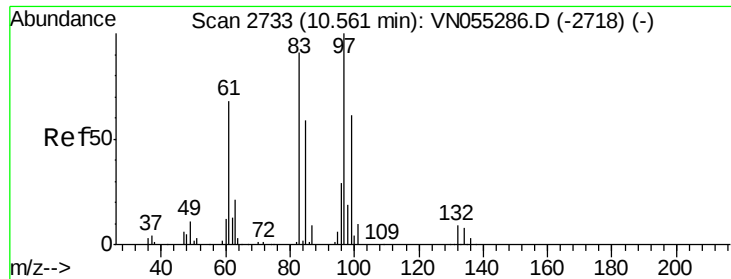
Ion Ratio Lower Upper

75 100

77 31.9 24.2 36.2

39 56.7 44.2 66.2





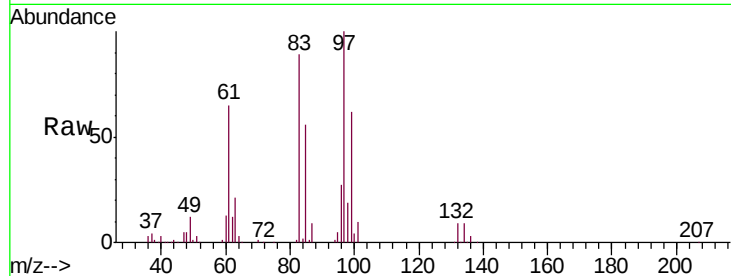
#55
 1,1,2-Trichloroethane
 Concen: 48.450 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.7	72.8	109.2
85	56.4	47.0	70.6
99	62.1	49.0	73.4

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 10:47:31 AM



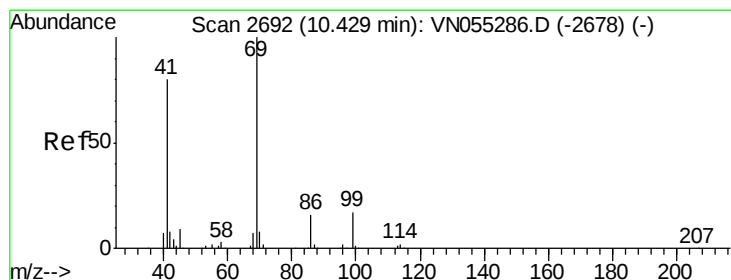
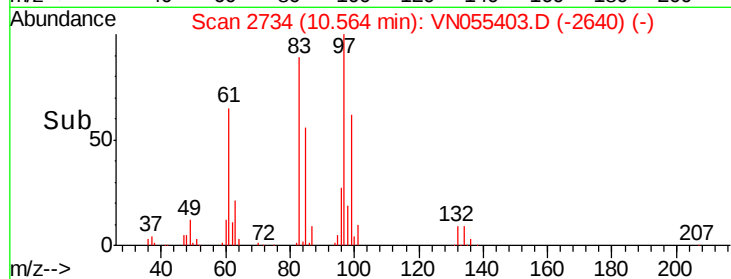
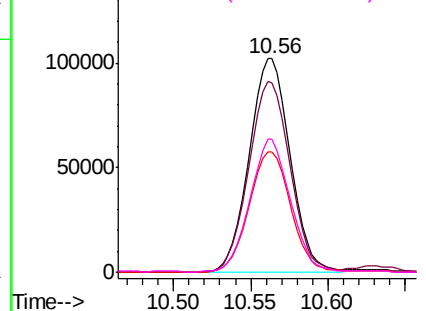
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 51.852 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

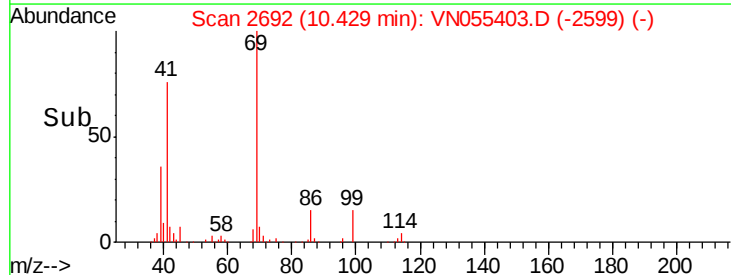
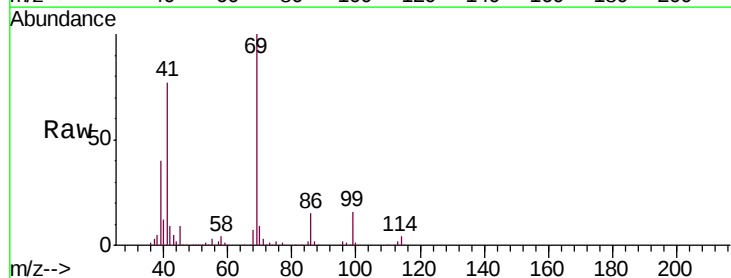
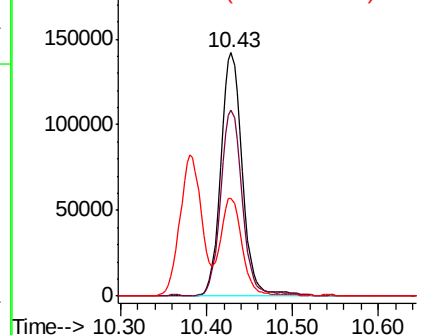
Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.7	62.7	94.1
39	40.3	32.0	48.0

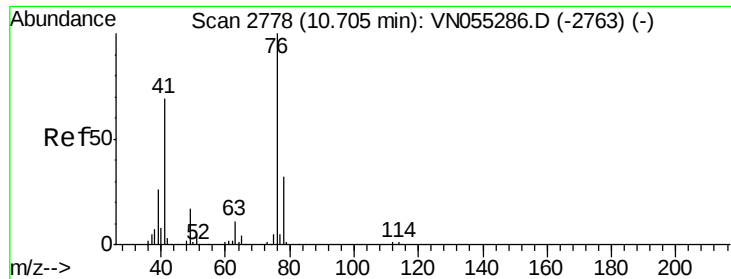
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 48.805 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 332414

Ion Ratio Lower Upper

76 100

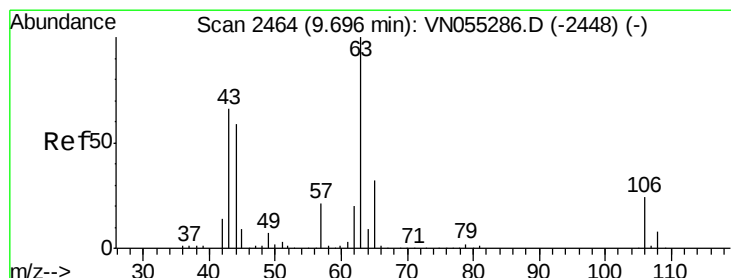
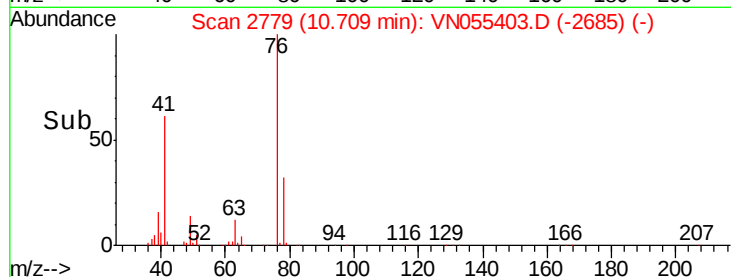
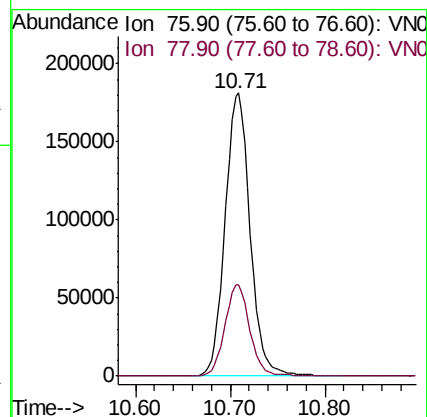
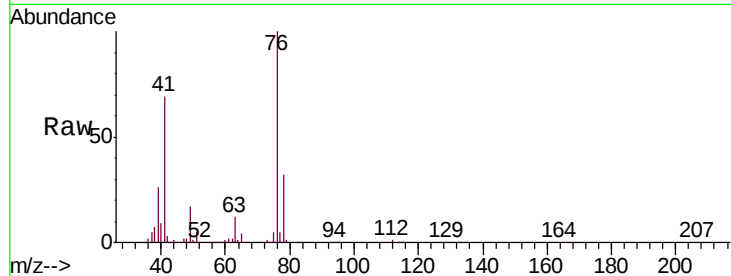
78 32.3 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

5/6/2019 10:47:31 AM



#58

2-Chloroethyl Vinyl ether

Concen: 185.052 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055403.D

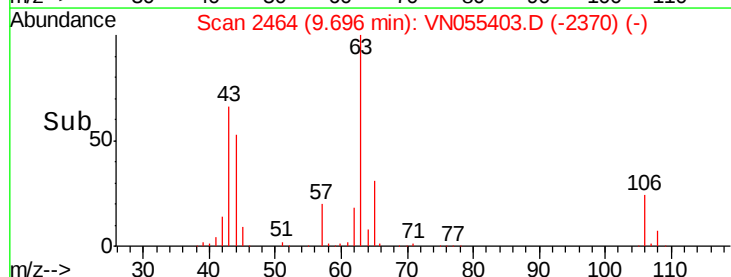
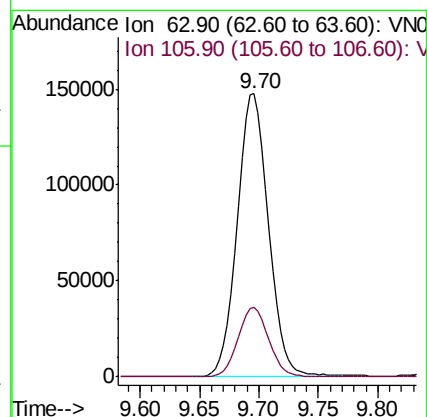
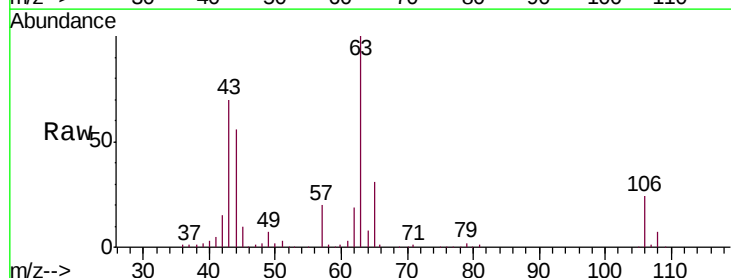
Acq: 3 May 2019 20:48

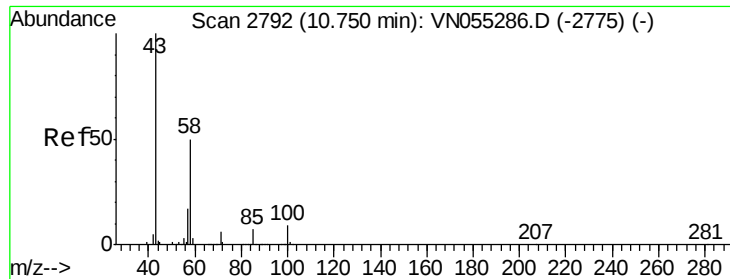
Tgt Ion: 63 Resp: 269422

Ion Ratio Lower Upper

63 100

106 24.0 19.0 28.4





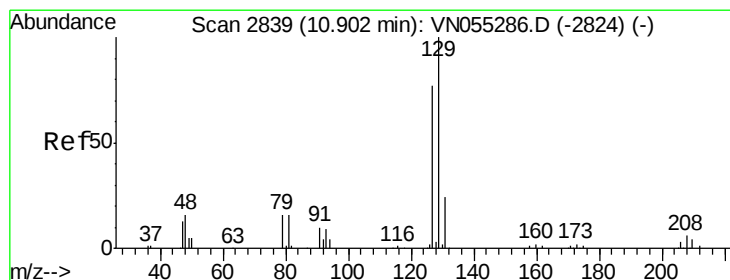
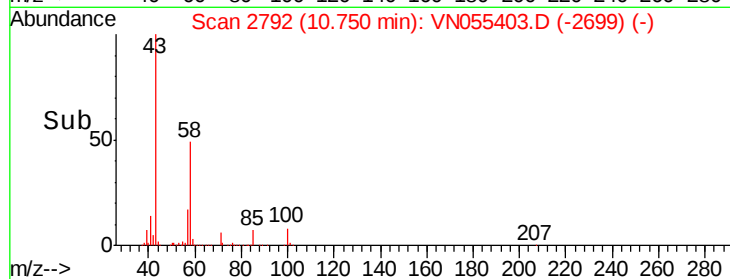
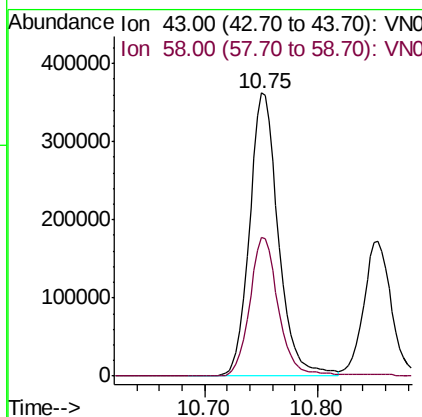
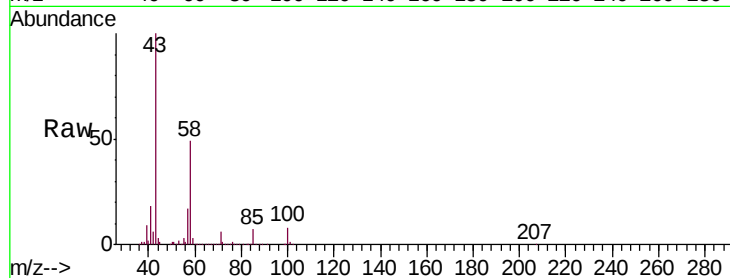
#59
2-Hexanone
Concen: 238.180 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 638804
Ion Ratio Lower Upper
43 100
58 49.2 24.9 74.6

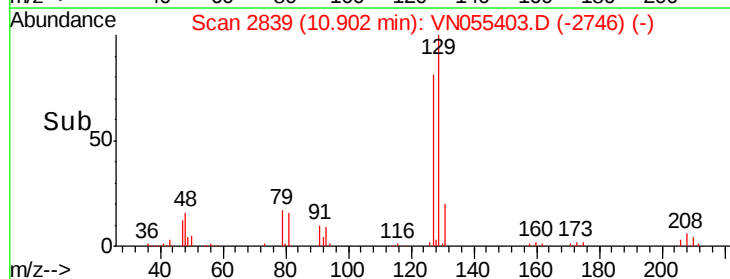
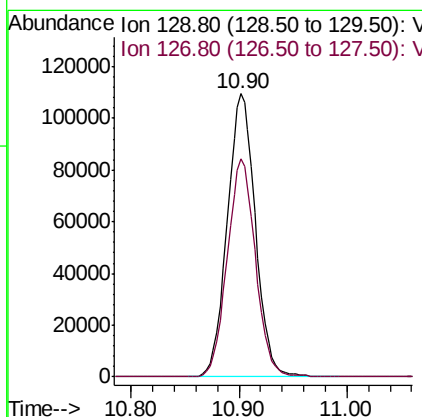
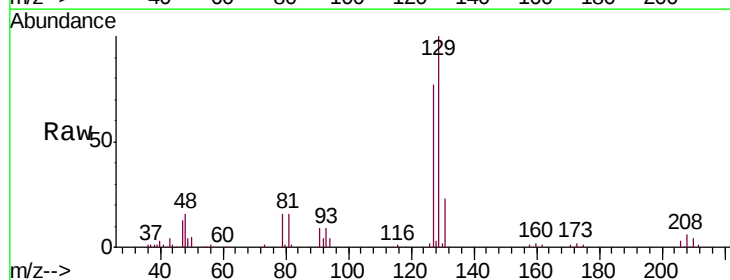
Manual Integrations
APPROVED

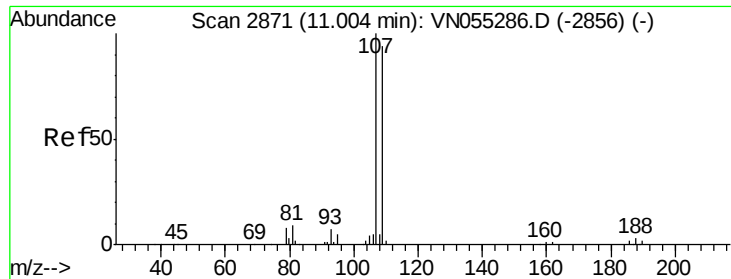
MMDadoda
5/6/2019 10:47:31 AM



#60
Dibromochloromethane
Concen: 50.117 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 129 Resp: 198870
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.5





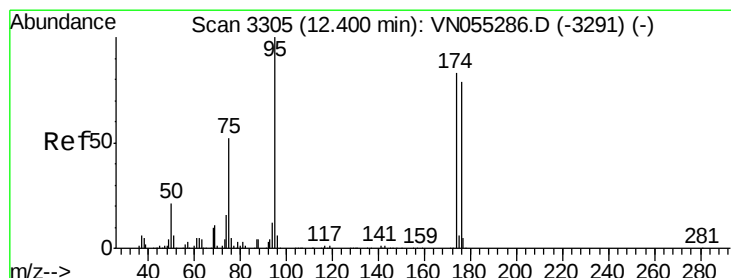
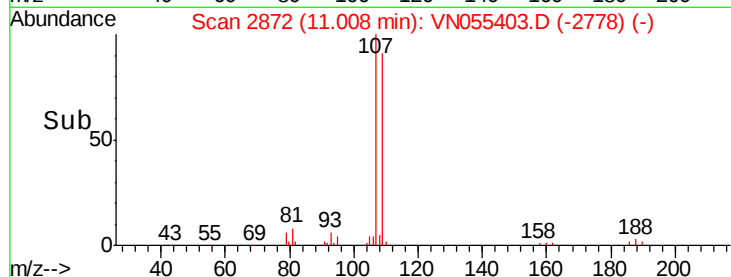
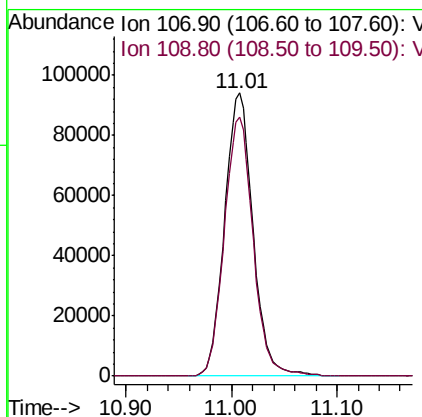
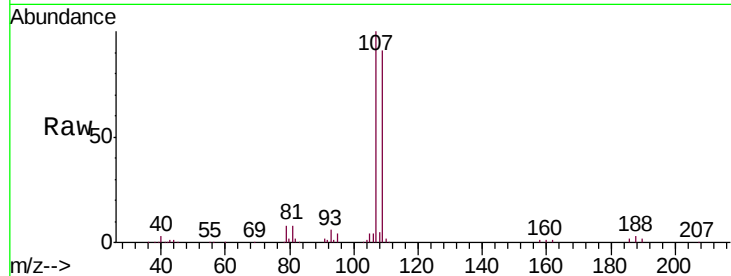
#61
 1,2-Dibromoethane
 Concen: 48.792 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 175095
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.0 112.6

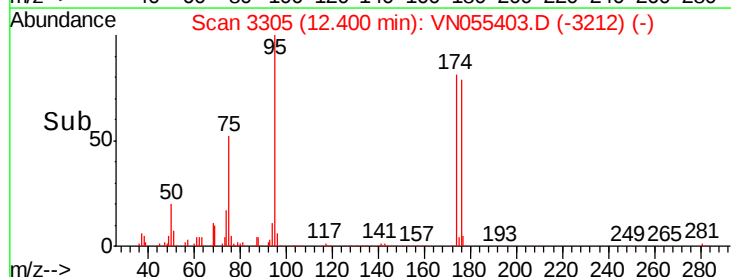
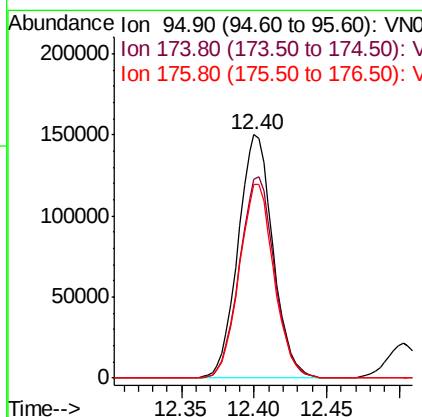
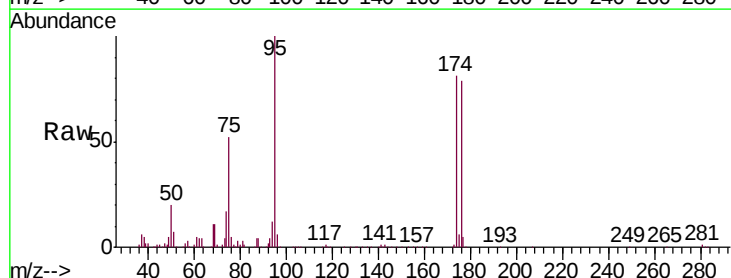
Manual Integrations
 APPROVED

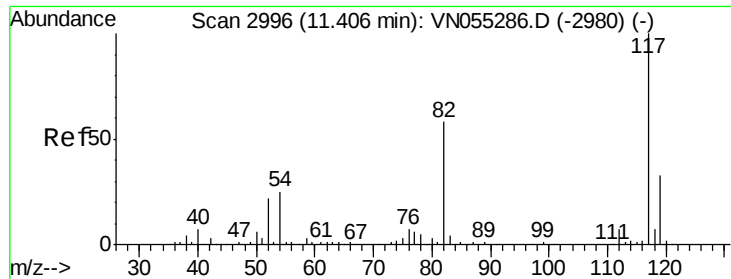
MMDadoda
 5/6/2019 10:47:31 AM



#62
 4-Bromofluorobenzene
 Concen: 52.550 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion: 95 Resp: 251206
 Ion Ratio Lower Upper
 95 100
 174 83.2 0.0 166.6
 176 79.4 0.0 157.8





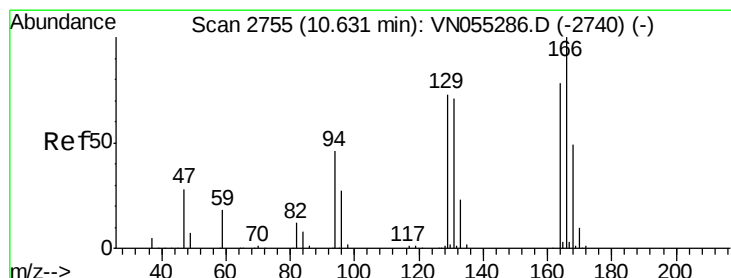
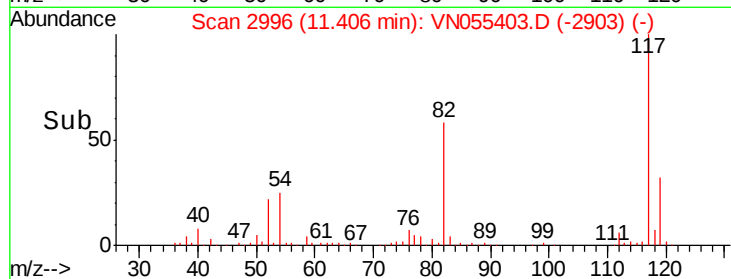
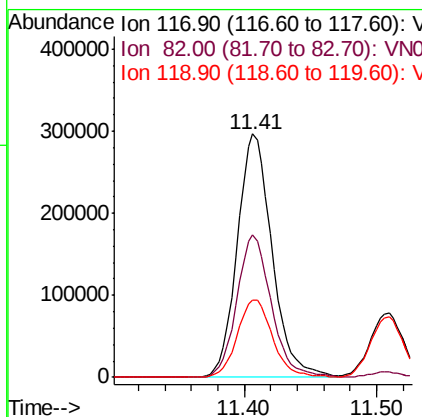
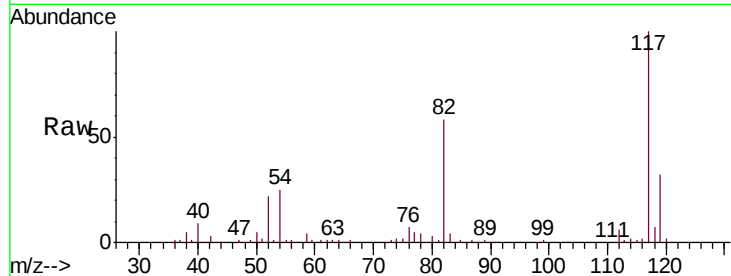
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	542179		
82	58.4	46.2	69.4	
119	31.8	26.6	40.0	

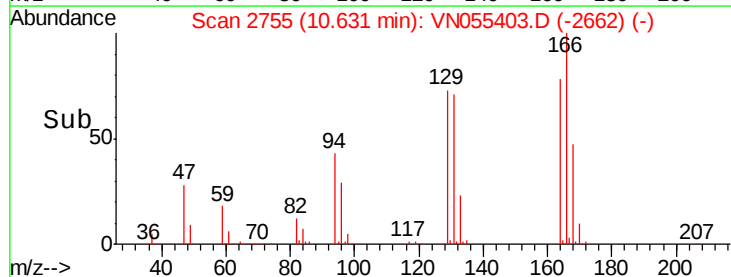
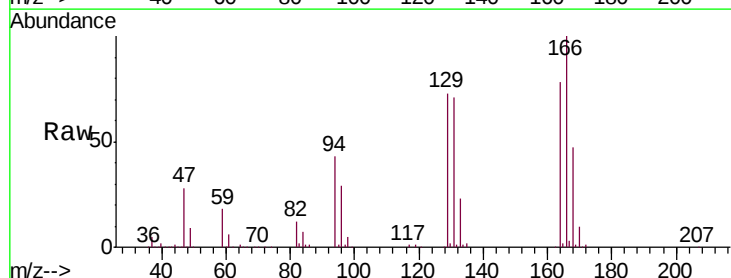
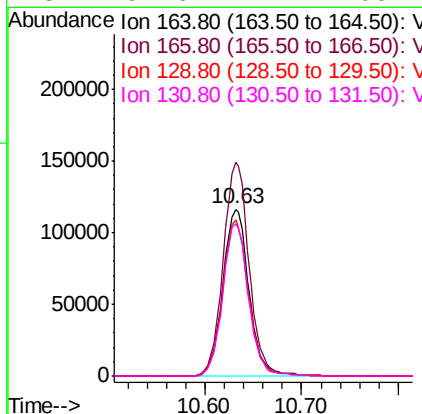
Manual Integrations
APPROVED

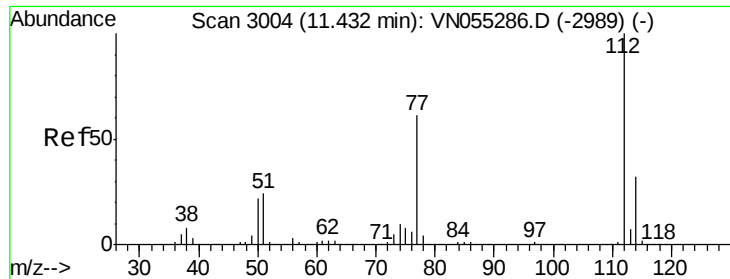
MMDadoda
5/6/2019 10:47:31 AM



#64
Tetrachloroethene
Concen: 49.079 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	217606		
166	128.2	102.3	153.5	
129	93.6	75.0	112.6	
131	91.6	72.7	109.1	





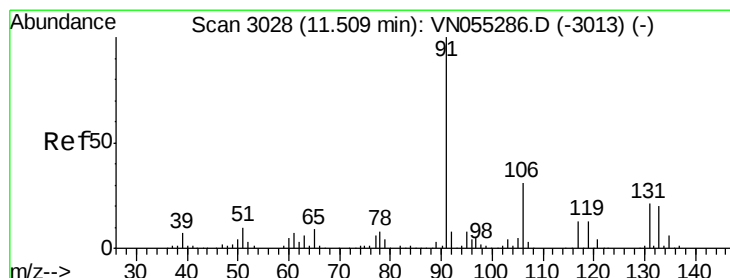
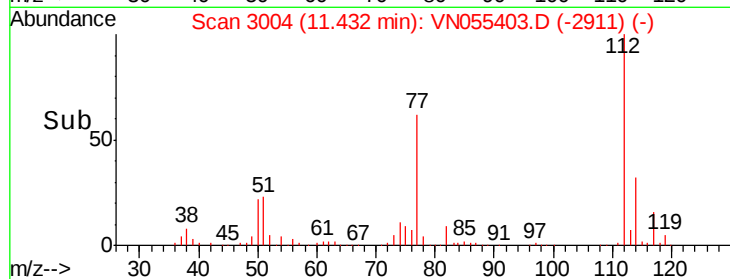
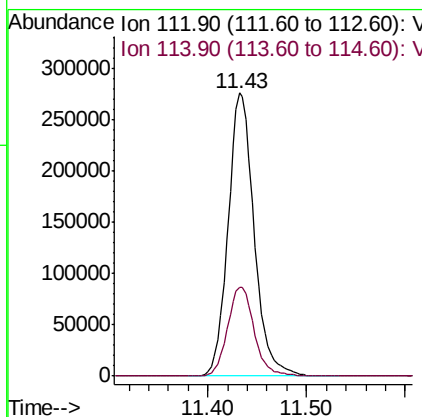
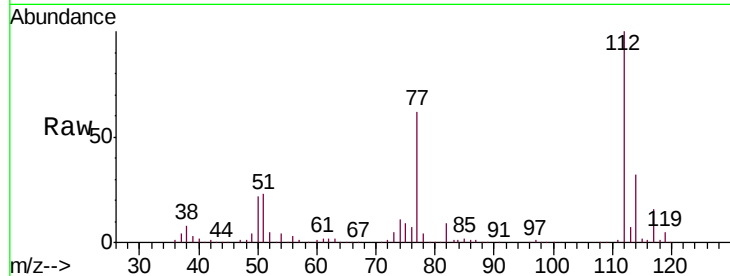
#65
Chlorobenzene
Concen: 48.126 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 510153
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

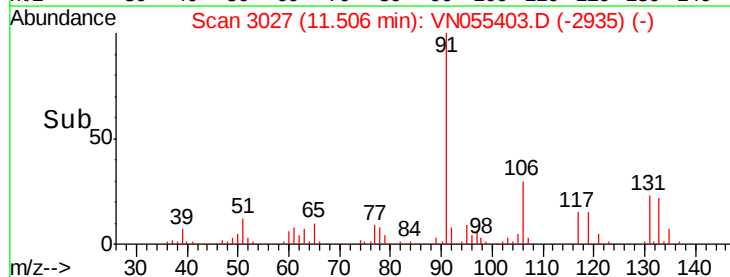
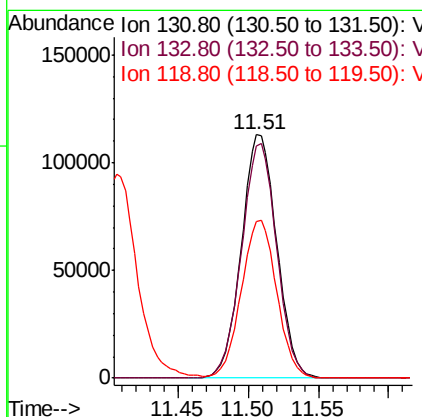
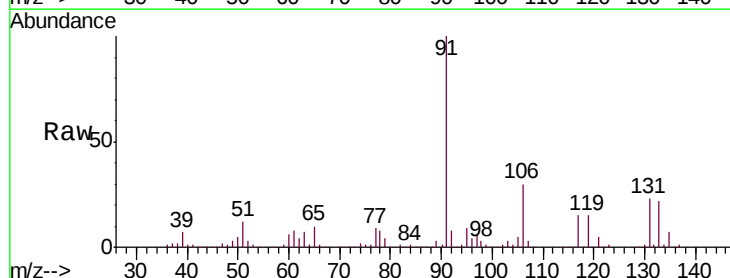
Manual Integrations
APPROVED

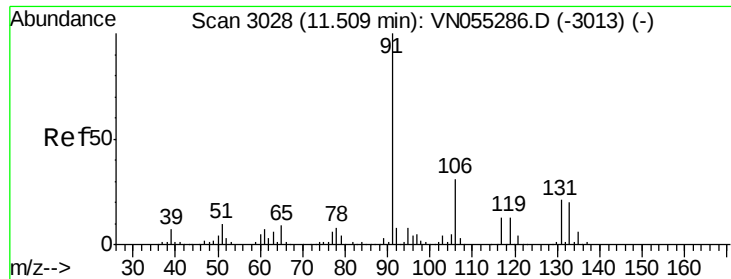
MMDadoda
5/6/2019 10:47:31 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.858 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion:131 Resp: 198647
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.6
119 64.9 32.7 98.1





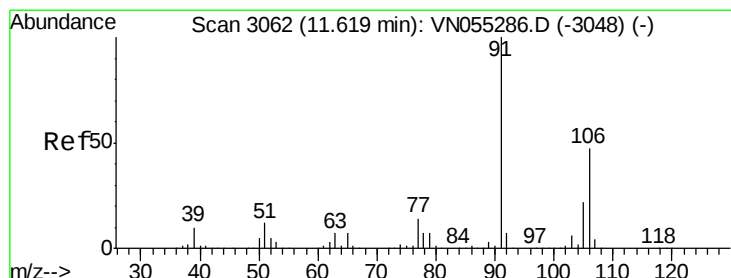
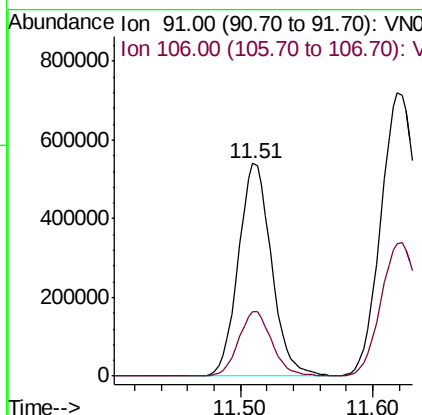
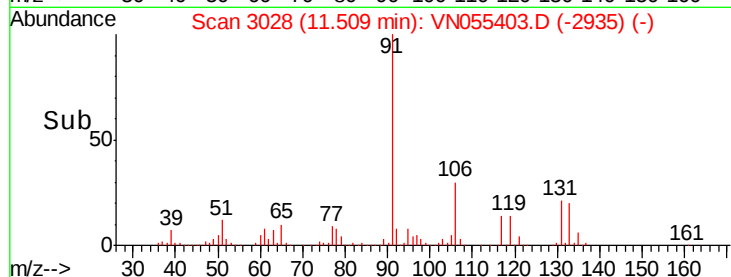
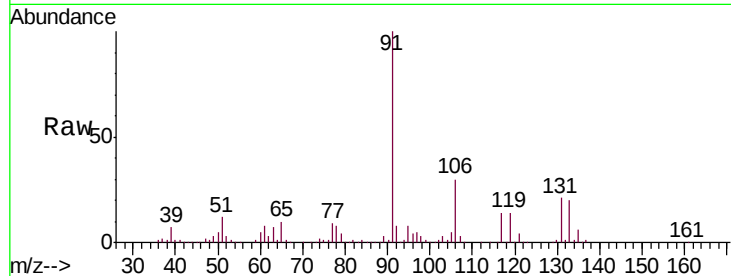
#67
Ethyl Benzene
Concen: 49.055 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tgt Ion: 91 Resp: 939019
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8

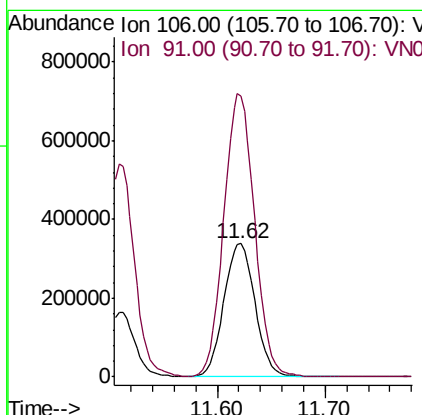
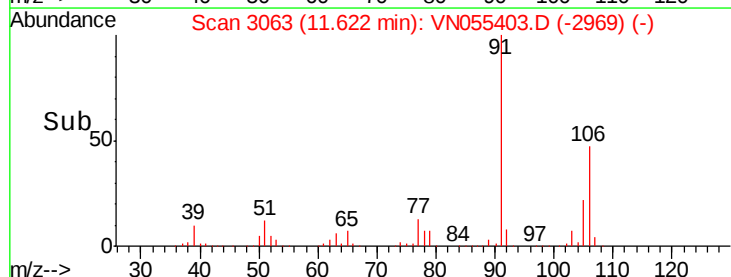
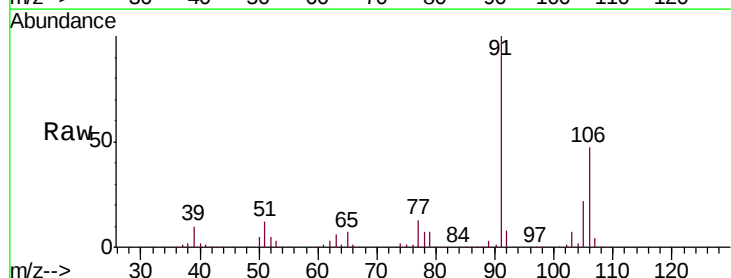
Manual Integrations
APPROVED

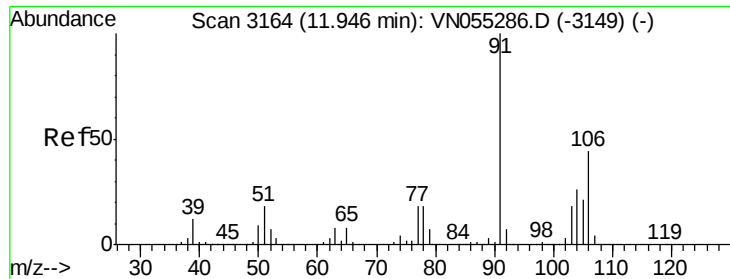
MMDadoda
5/6/2019 10:47:31 AM



#68
m/p-Xylenes
Concen: 99.699 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 106 Resp: 681206
Ion Ratio Lower Upper
106 100
91 209.4 169.5 254.3





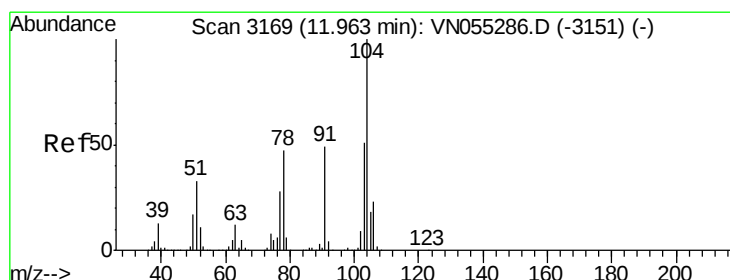
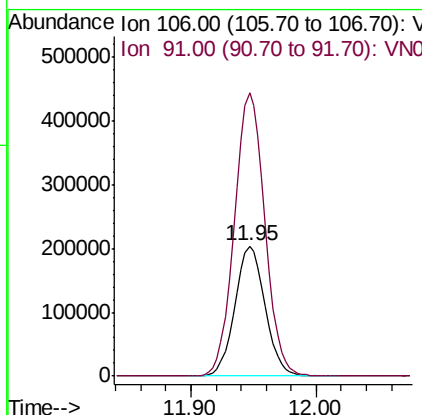
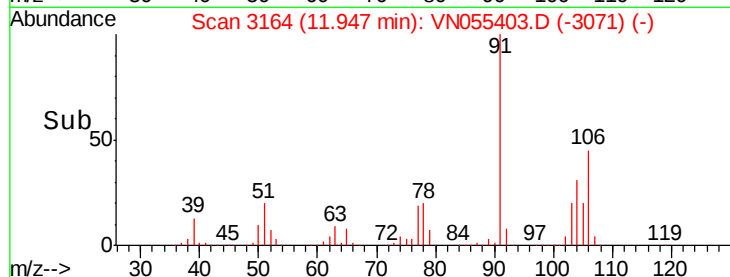
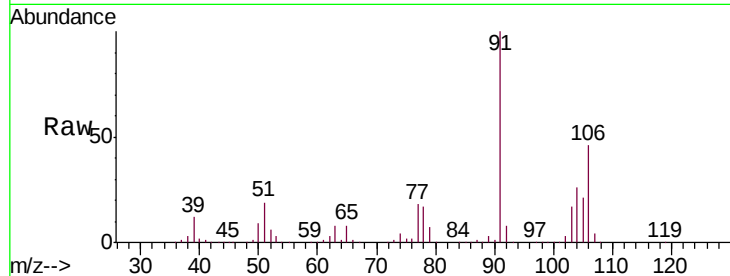
#69
o-Xylene
Concen: 50.090 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 339223
Ion Ratio Lower Upper
106 100
91 220.1 111.5 334.5

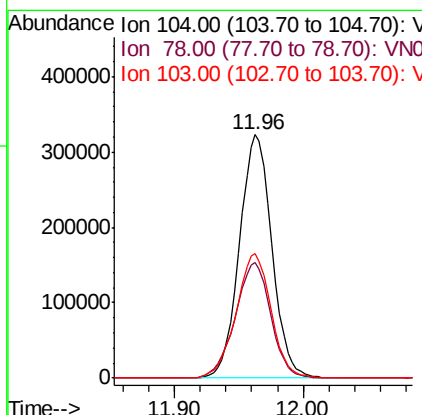
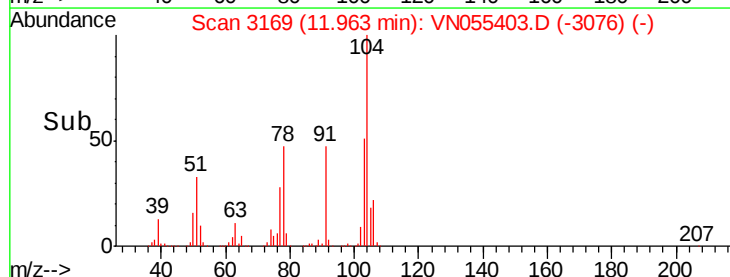
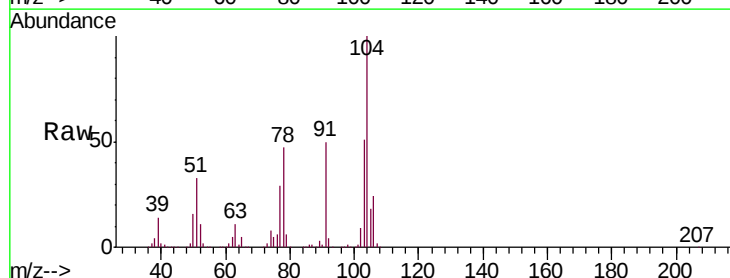
Manual Integrations
APPROVED

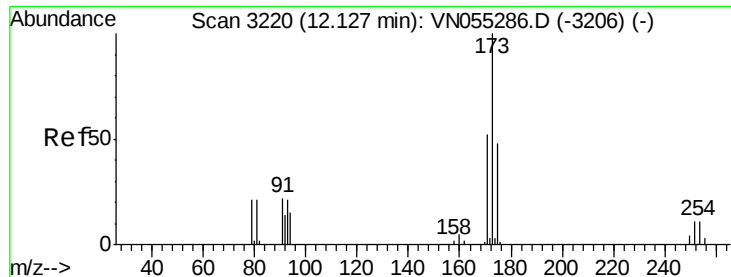
MMDadoda
5/6/2019 10:47:31 AM



#70
Styrene
Concen: 54.421 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion:104 Resp: 565883
Ion Ratio Lower Upper
104 100
78 52.0 42.2 63.2
103 55.0 44.6 67.0





#71

Bromoform

Concen: 51.795 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 119295

Ion Ratio Lower Upper

173 100

175 48.8 23.6 71.0

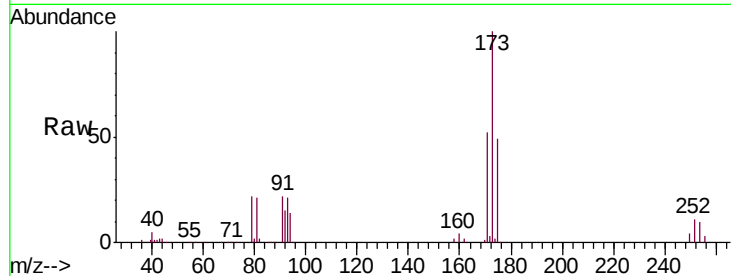
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

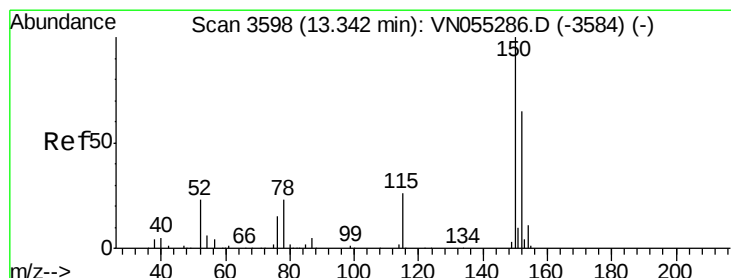
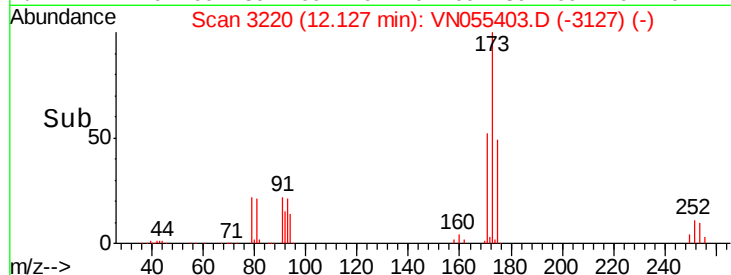
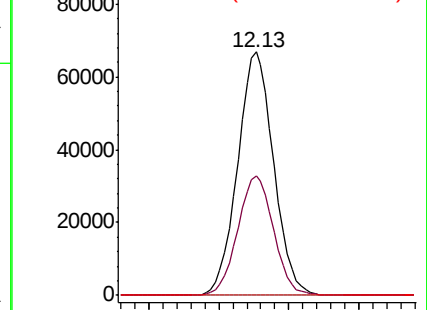
5/6/2019 10:47:31 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

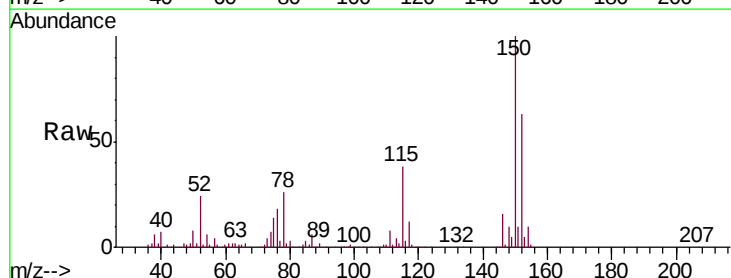
Tgt Ion:152 Resp: 224657

Ion Ratio Lower Upper

152 100

115 58.8 29.0 87.0

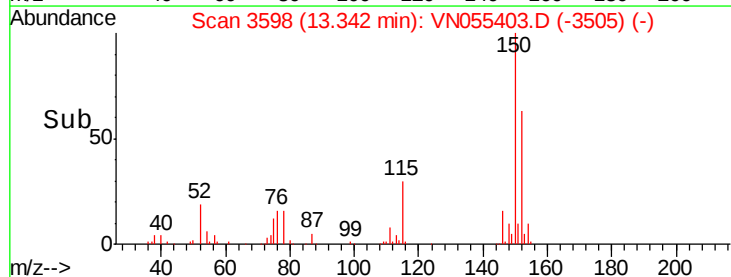
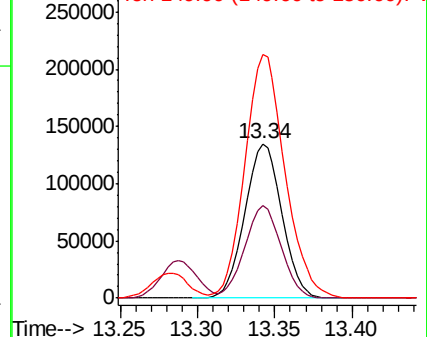
150 171.0 0.0 345.6

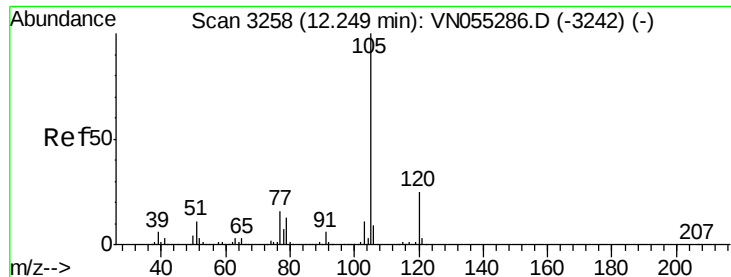


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.386 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 900257

Ion Ratio Lower Upper

105 100

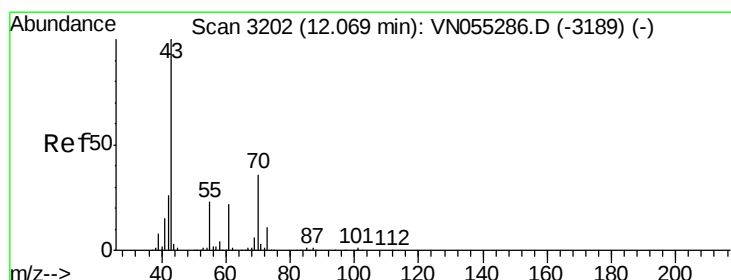
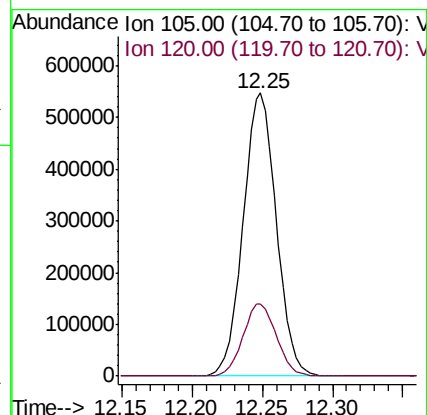
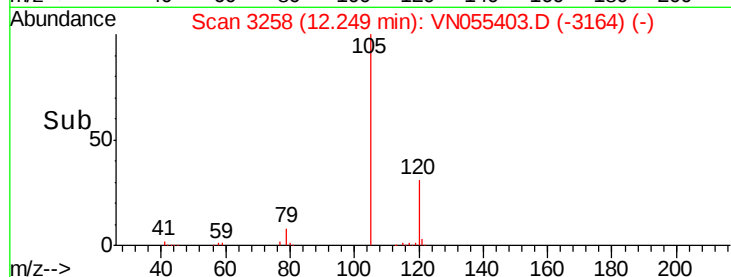
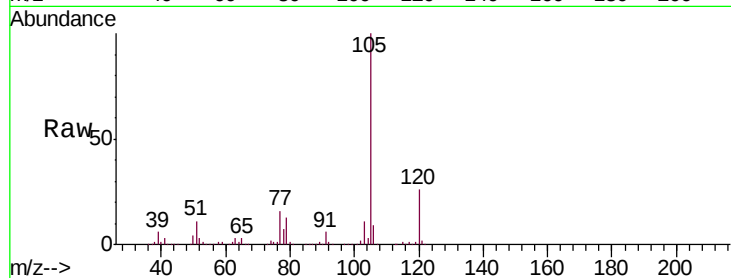
120 25.9 12.9 38.7

Manual Integrations

APPROVED

MMDadoda

5/6/2019 10:47:31 AM



#74

N-ethyl acetate

Concen: 48.363 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Tgt Ion: 43 Resp: 278842

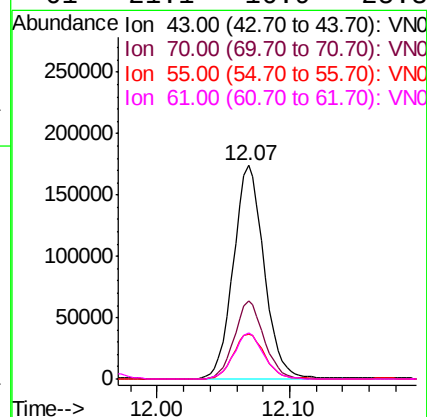
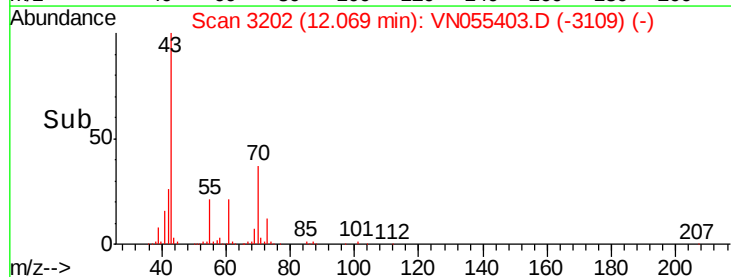
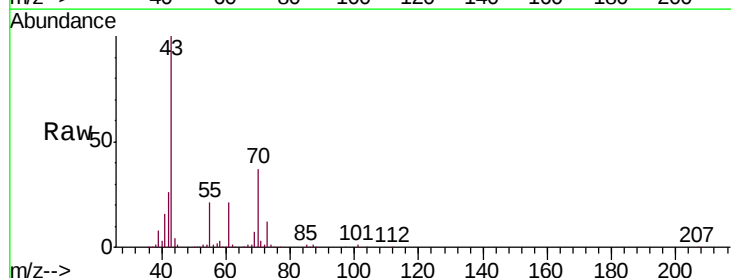
Ion Ratio Lower Upper

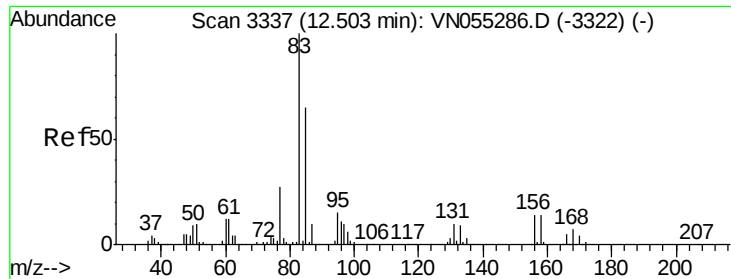
43 100

70 35.6 27.9 41.9

55 21.8 18.2 27.2

61 21.1 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 47.941 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

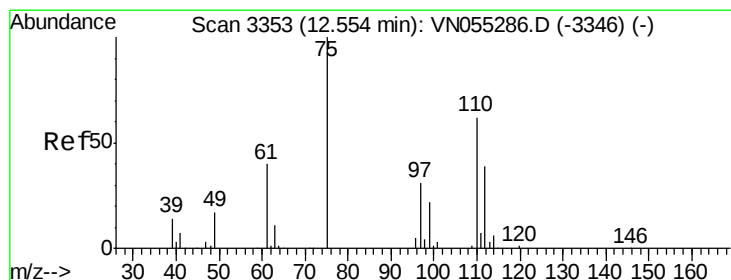
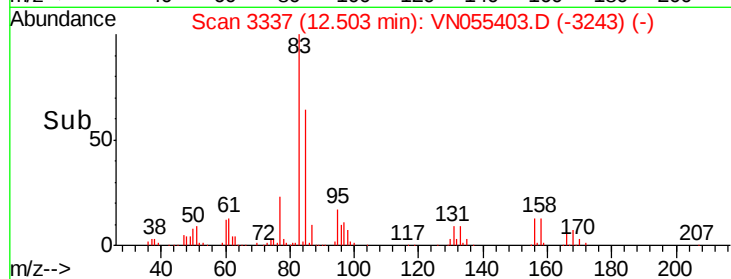
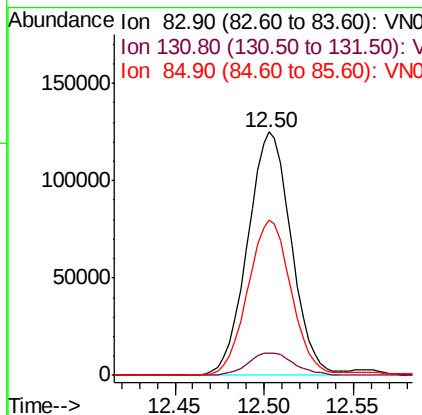
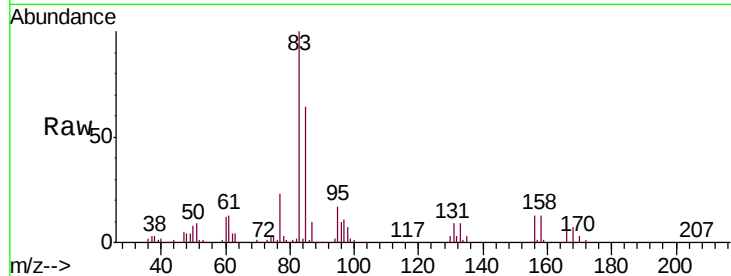
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	213979
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.2
85	63.4	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:31 AM



#76

1,2,3-Trichloropropane

Concen: 42.671 ug/l m

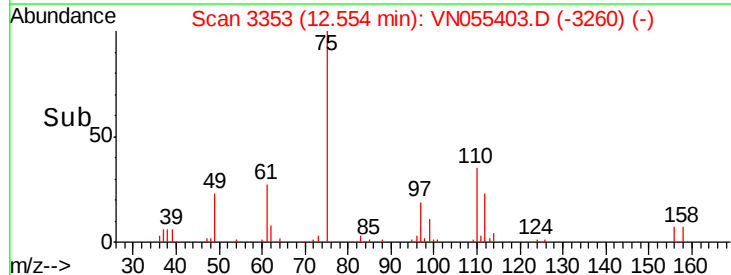
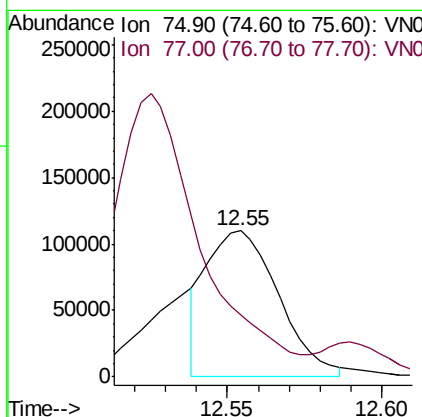
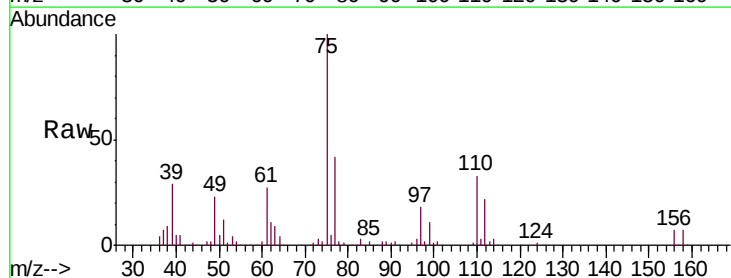
RT: 12.55 min Scan# 3353

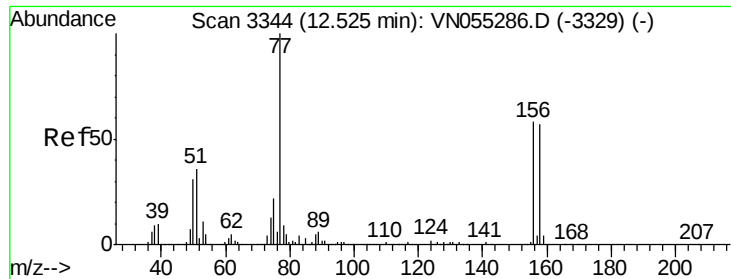
Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Tgt Ion:	75	Resp:	179727
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.468 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

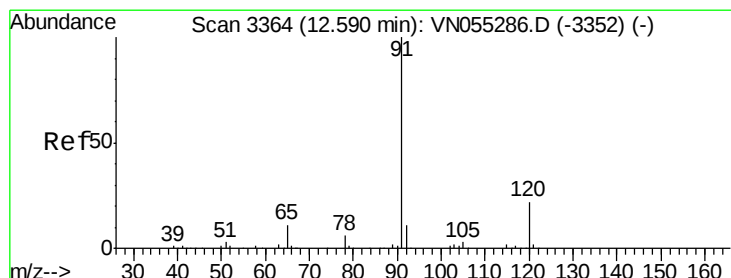
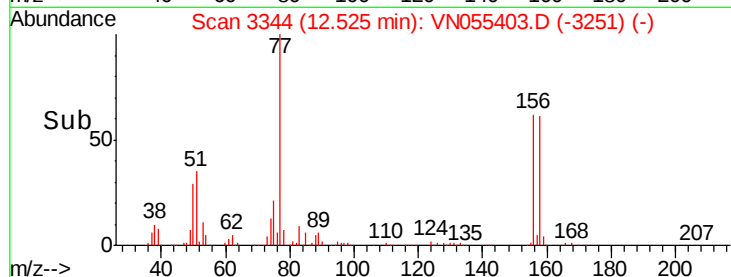
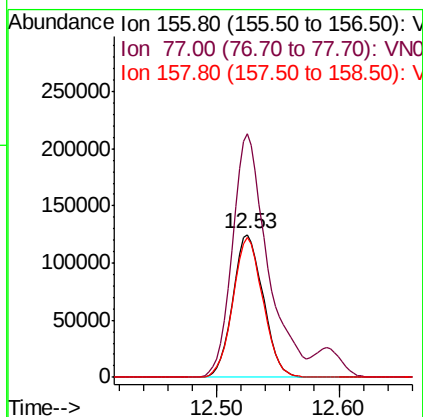
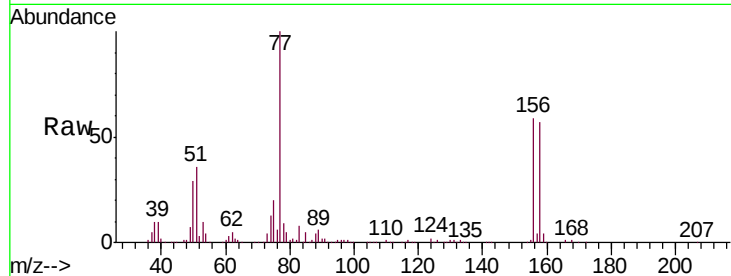
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
156	100		
77	197.0	99.6	298.8
158	97.2	49.3	147.8

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:31 AM



#78

n-propylbenzene

Concen: 43.180 ug/l

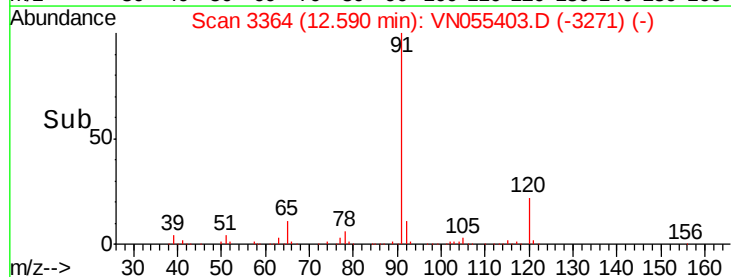
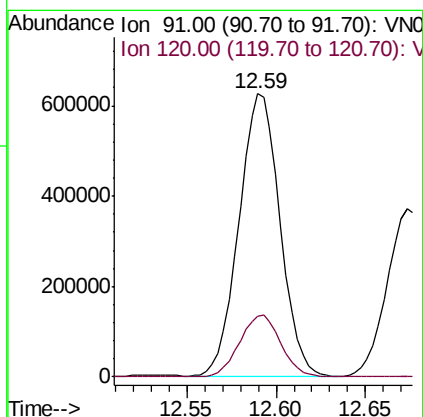
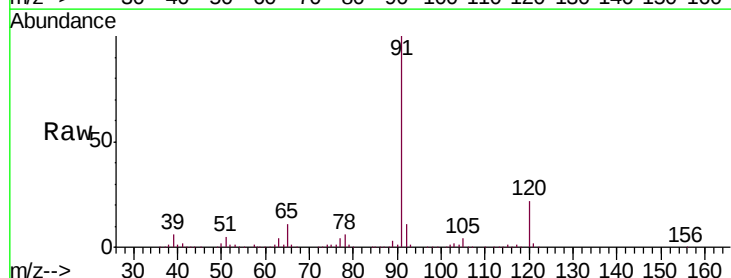
RT: 12.59 min Scan# 3364

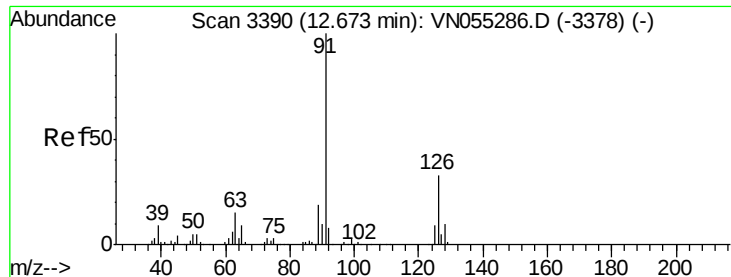
Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.0	33.0





#79

2-Chlorotoluene

Concen: 50.676 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 616568

Ion Ratio Lower Upper

91 100

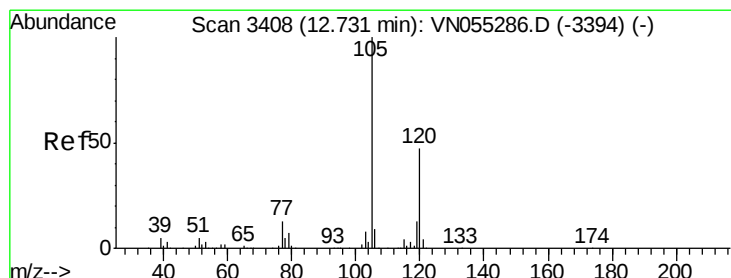
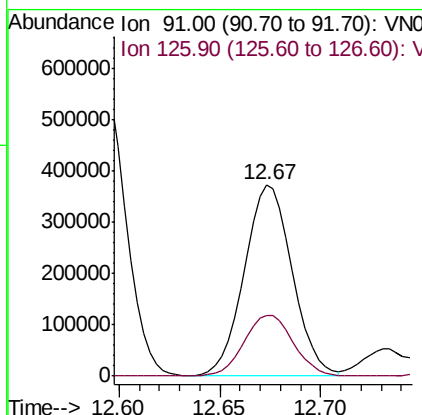
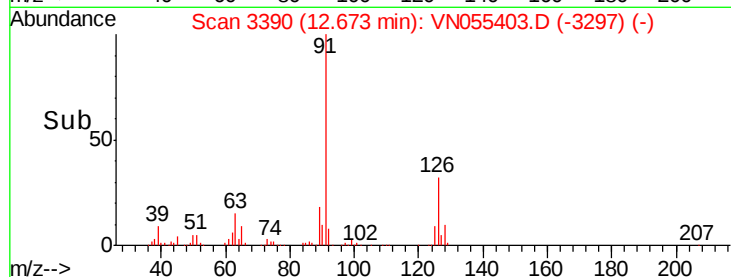
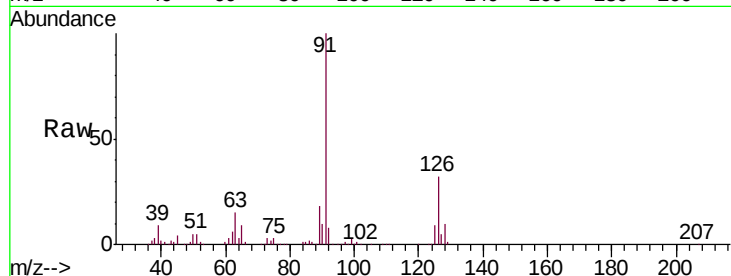
126 33.0 16.6 49.7

Manual Integrations

APPROVED

MMDadoda

5/6/2019 10:47:31 AM



#80

1,3,5-Trimethylbenzene

Concen: 42.619 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055403.D

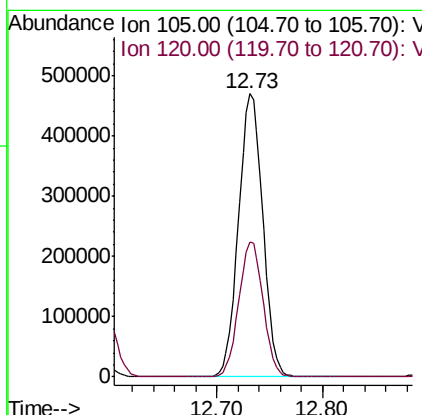
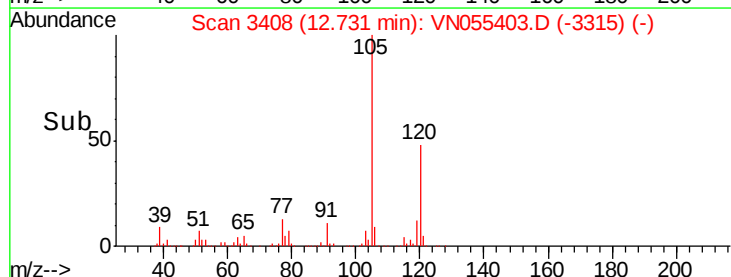
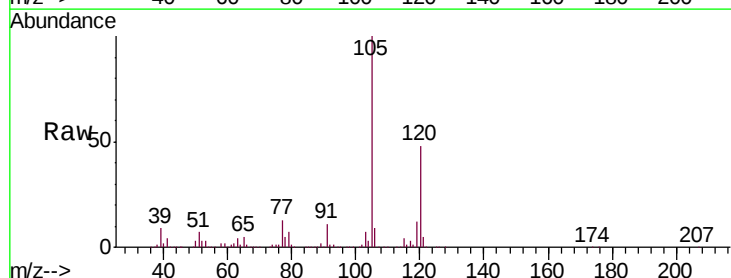
Acq: 3 May 2019 20:48

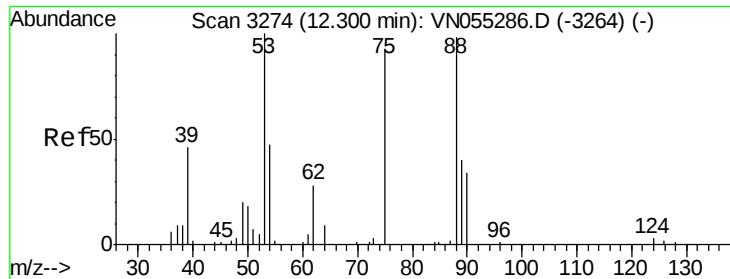
Tgt Ion: 105 Resp: 750630

Ion Ratio Lower Upper

105 100

120 47.6 23.4 70.0





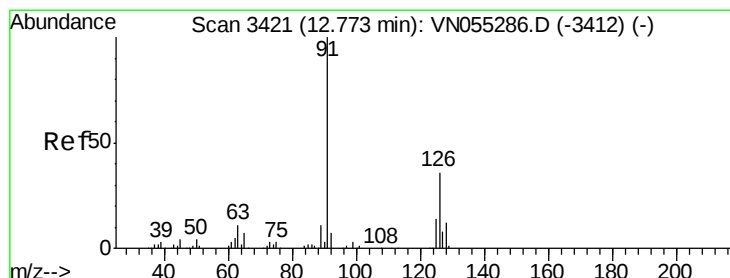
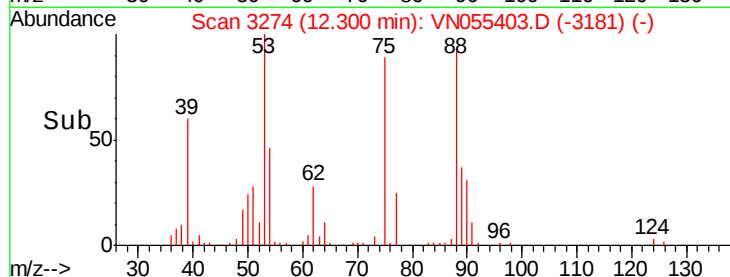
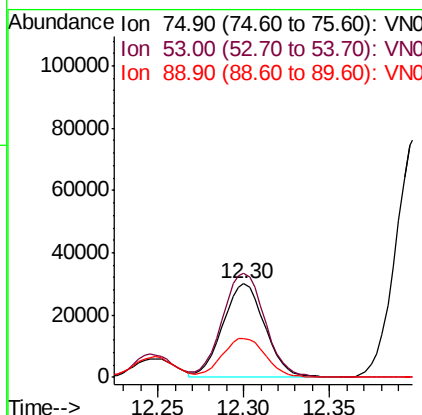
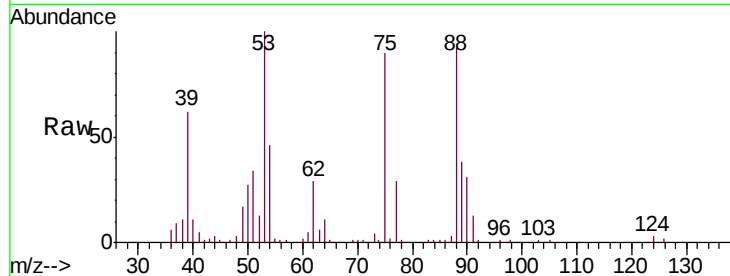
#81
trans-1,4-Dichloro-2-butene
Concen: 43.489 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 51556
Ion Ratio Lower Upper
75 100
53 112.0 86.3 129.5
89 43.3 34.6 51.8

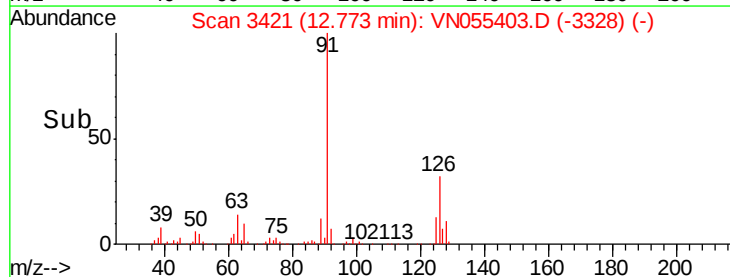
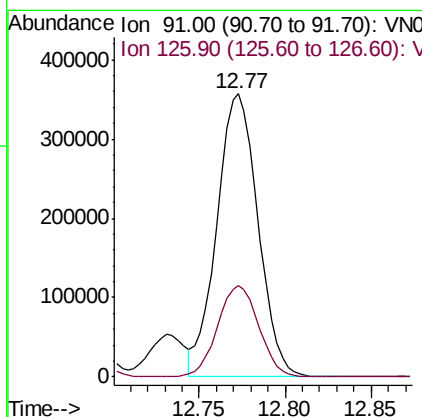
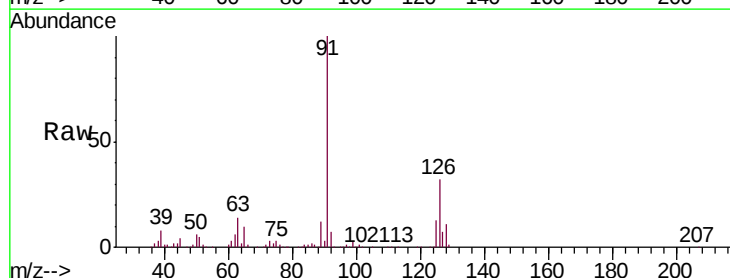
Manual Integrations
APPROVED

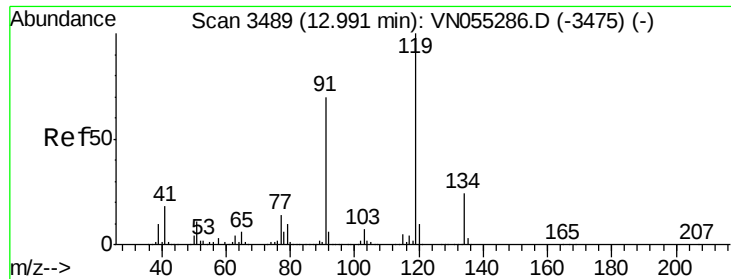
MMDadoda
5/6/2019 10:47:31 AM



#82
4-Chlorotoluene
Concen: 44.322 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 91 Resp: 594700
Ion Ratio Lower Upper
91 100
126 32.4 16.6 49.7





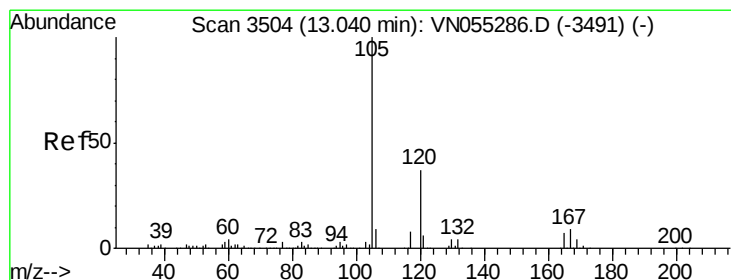
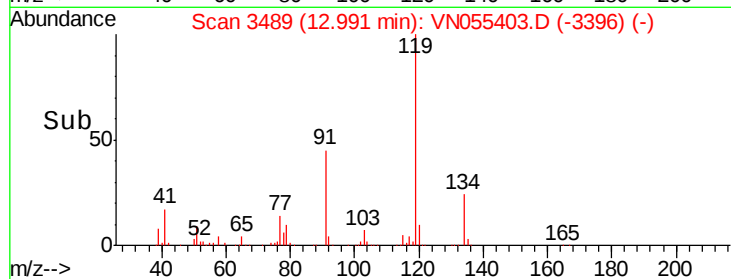
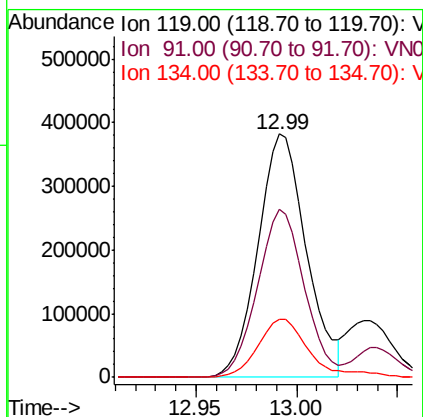
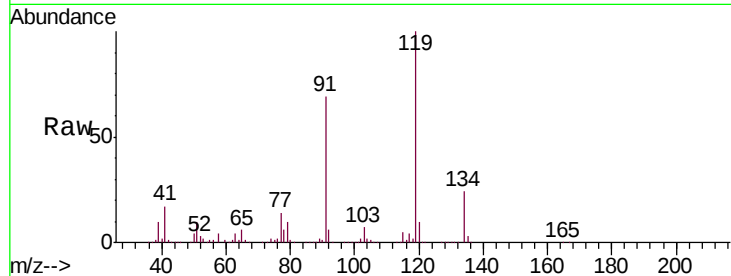
#83
 tert-Butylbenzene
 Concen: 51.446 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.5	34.3	102.9
134	25.3	13.1	39.3

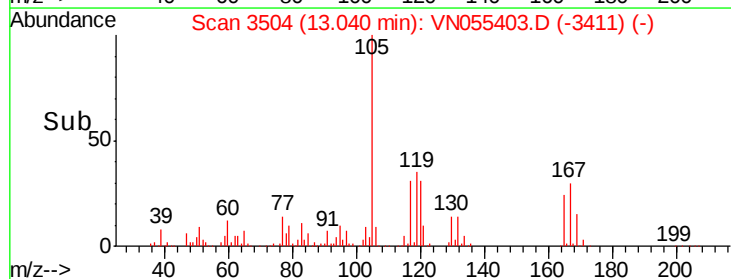
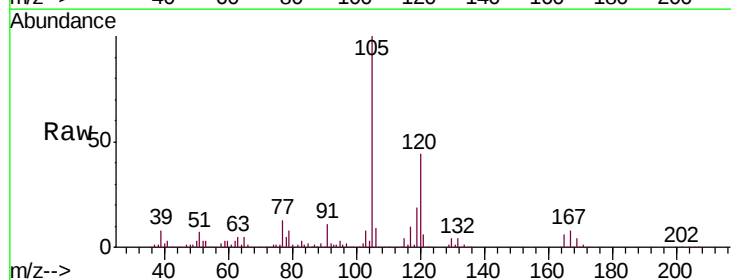
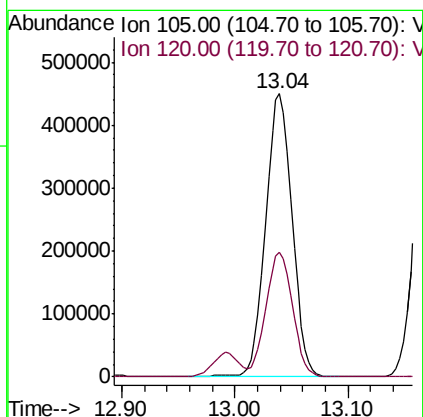
Manual Integrations
 APPROVED

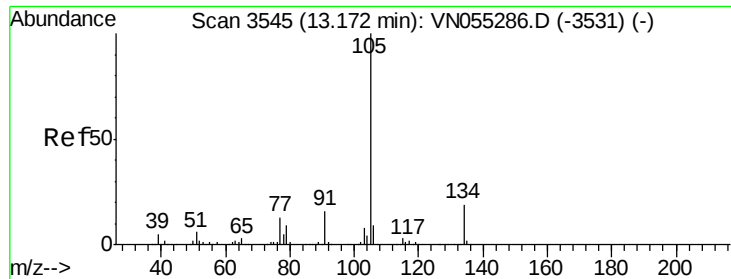
MMDadoda
 5/6/2019 10:47:31 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 46.415 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





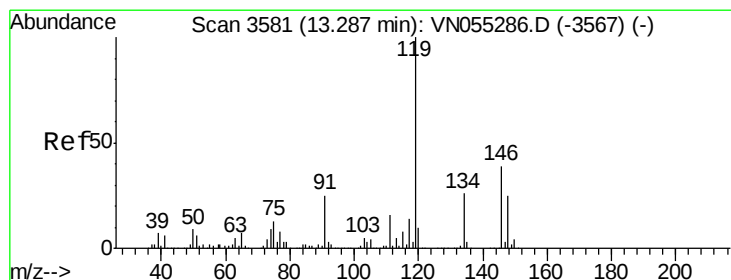
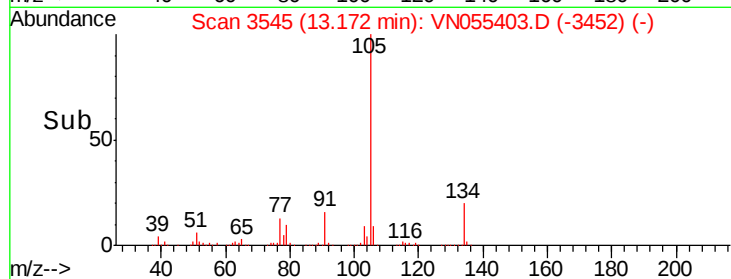
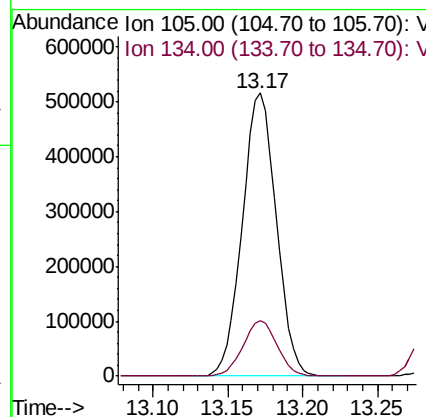
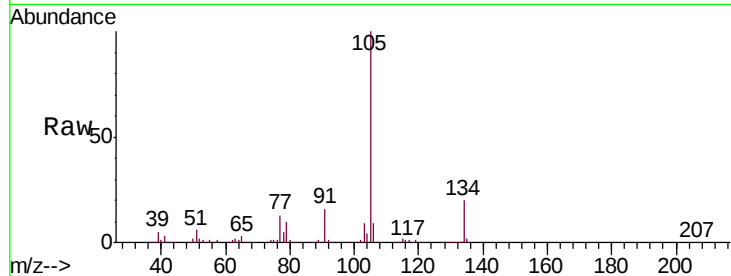
#85
 sec-Butylbenzene
 Concen: 42.581 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.6	28.8

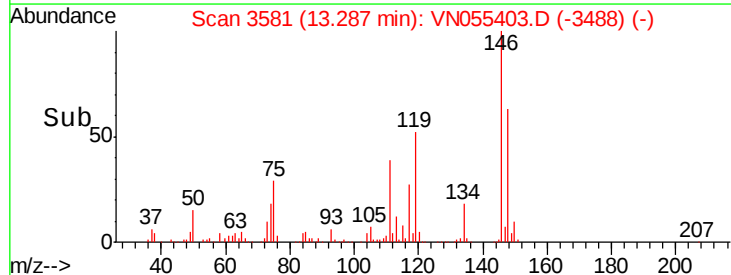
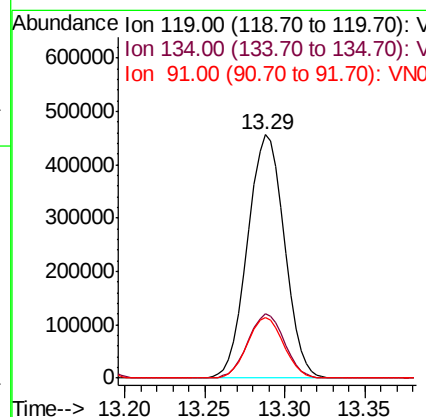
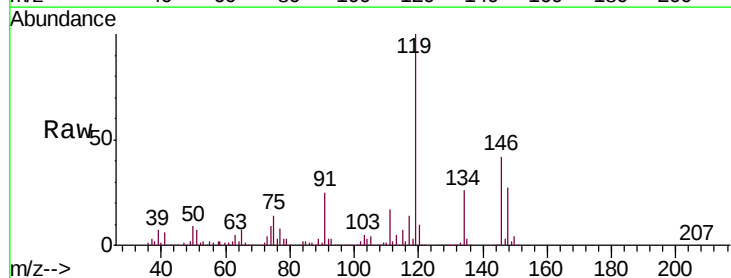
Manual Integrations
 APPROVED

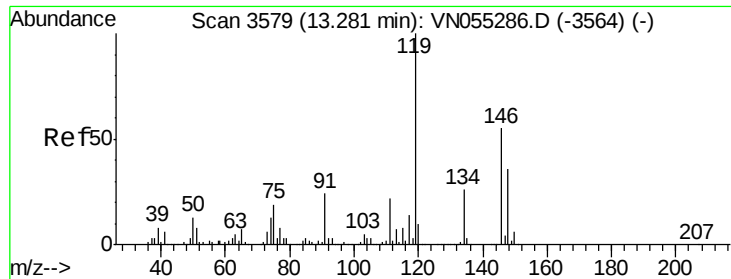
MMDadoda
 5/6/2019 10:47:31 AM



#86
 p-Isopropyltoluene
 Concen: 45.371 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	24.4	12.2	36.6





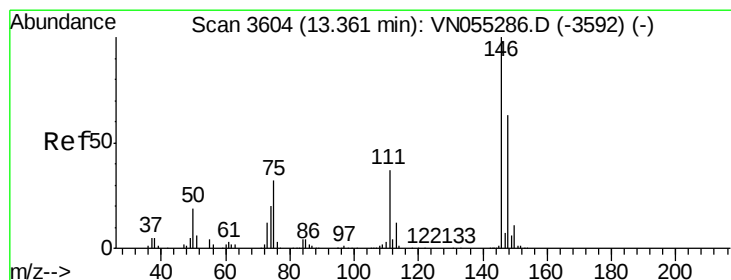
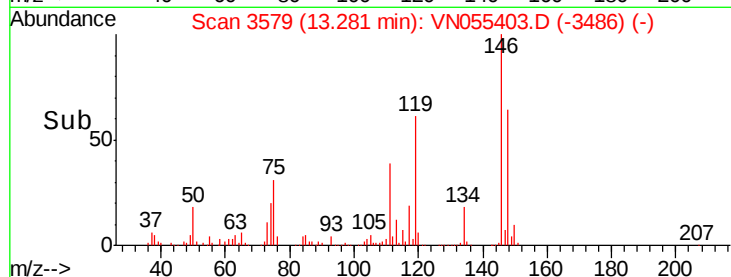
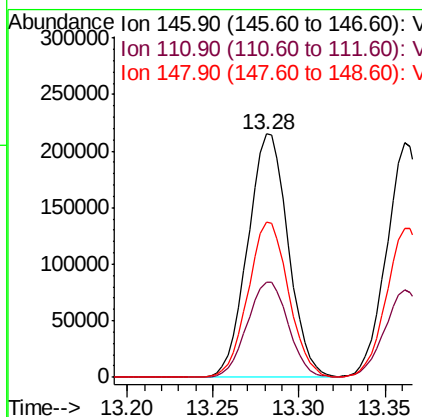
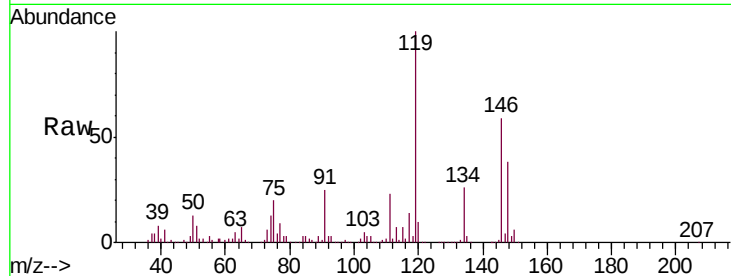
#87
 1,3-Dichlorobenzene
 Concen: 46.692 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.8
148	64.0	32.5	97.5

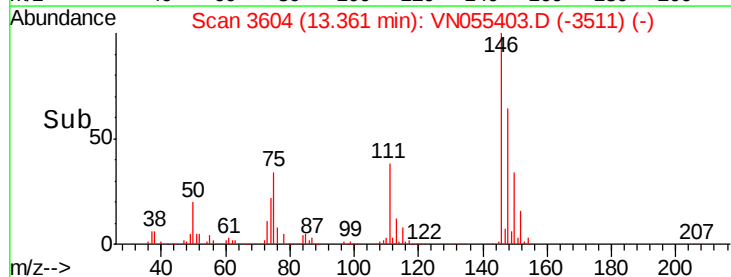
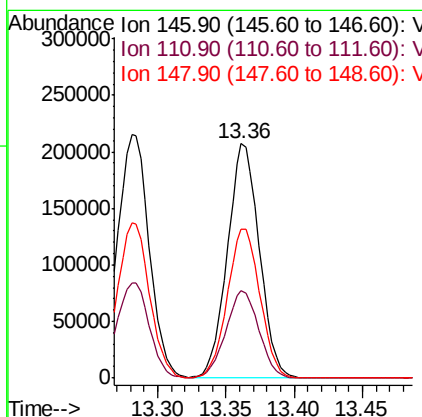
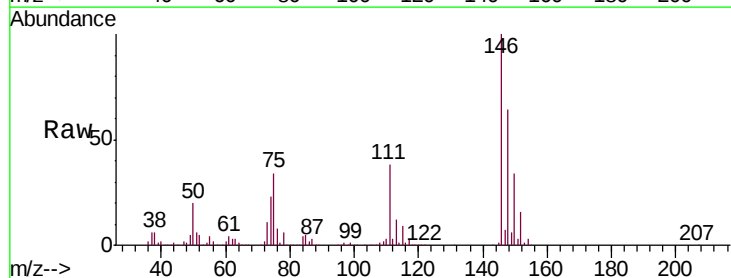
Manual Integrations
 APPROVED

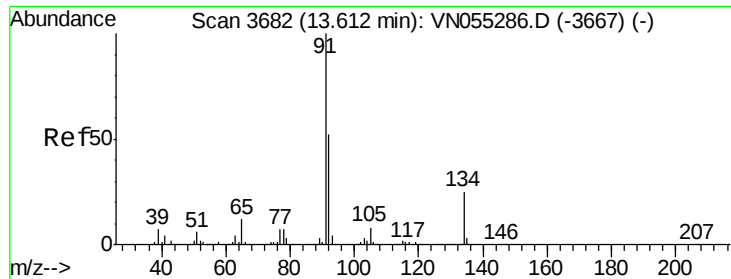
MMDadoda
 5/6/2019 10:47:31 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.602 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.5	58.5
148	65.2	32.5	97.4





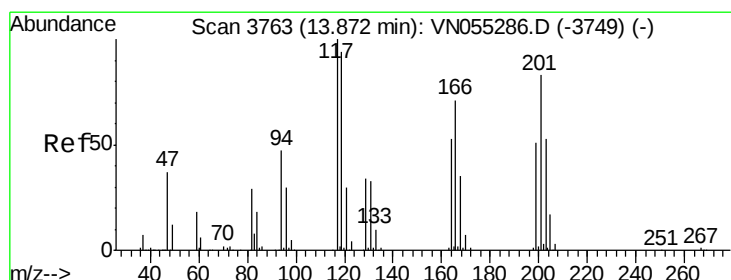
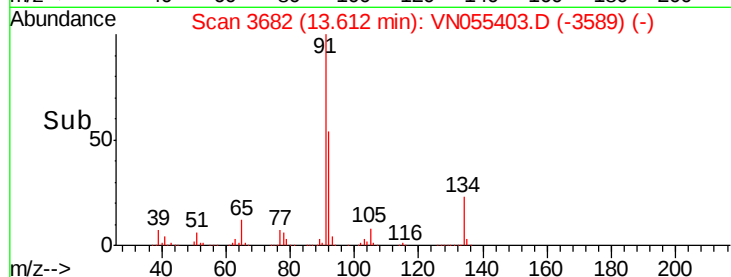
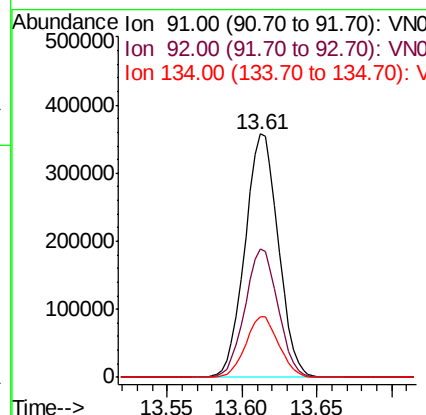
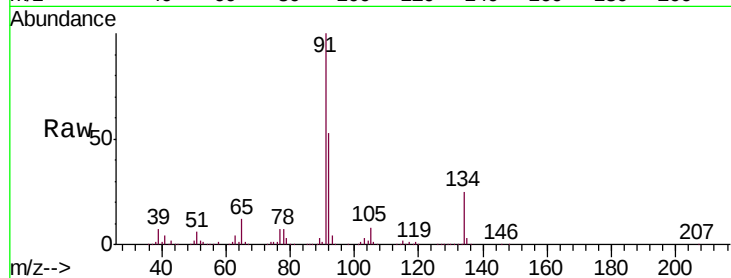
#89
n-Butylbenzene
Concen: 49.588 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.3
134	24.7	12.4	37.4

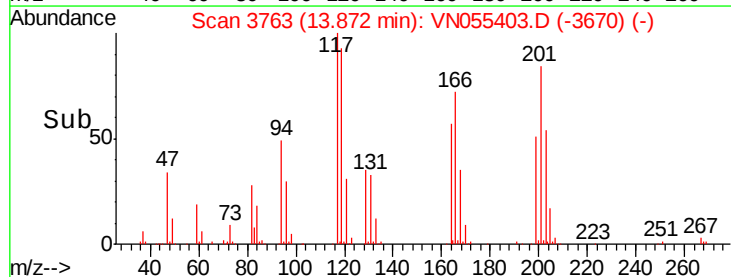
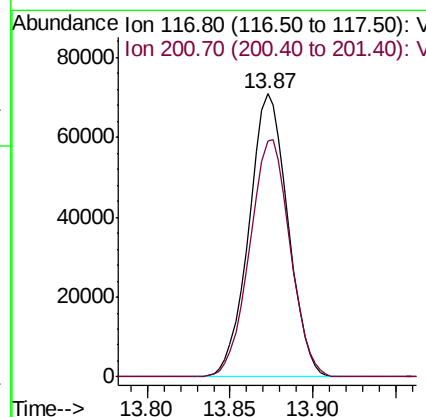
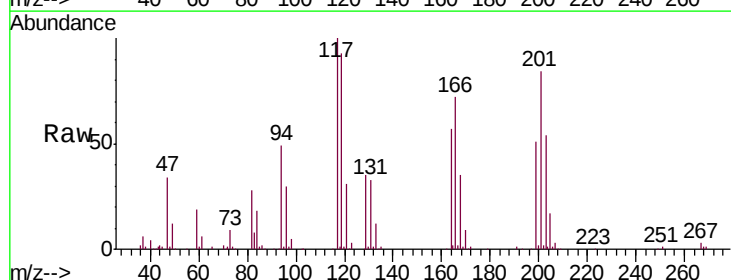
Manual Integrations
APPROVED

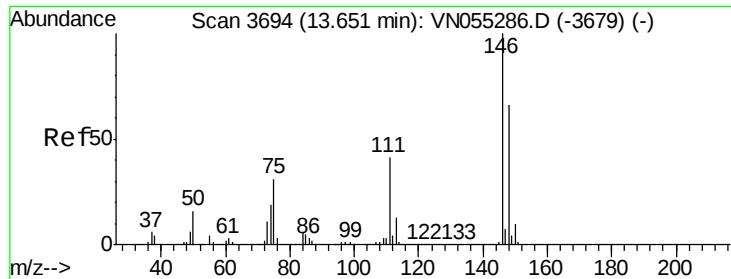
MMDadoda
5/6/2019 10:47:31 AM



#90
Hexachloroethane
Concen: 46.342 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	41.9	125.8





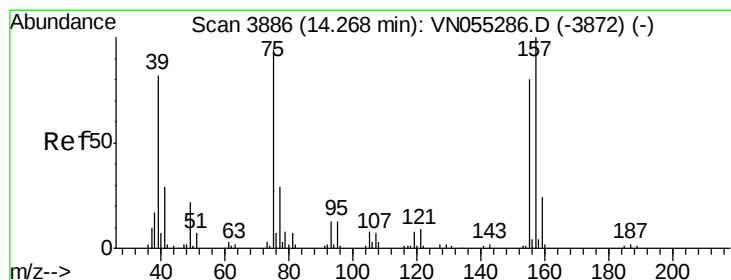
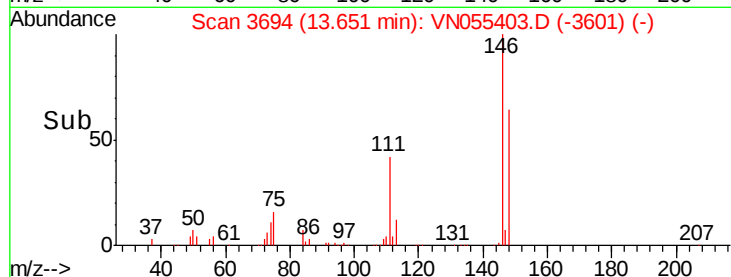
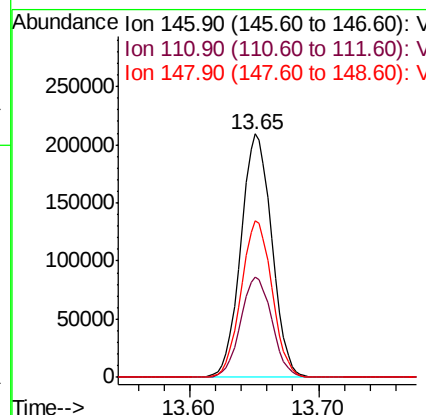
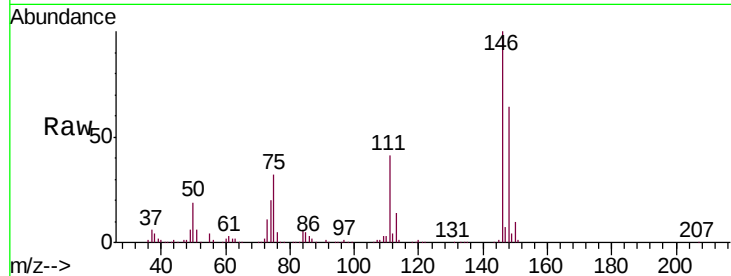
#91
 1,2-Dichlorobenzene
 Concen: 46.845 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	61.0
148	64.3	32.4	97.2

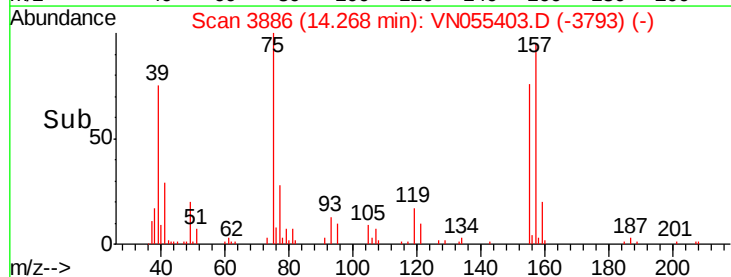
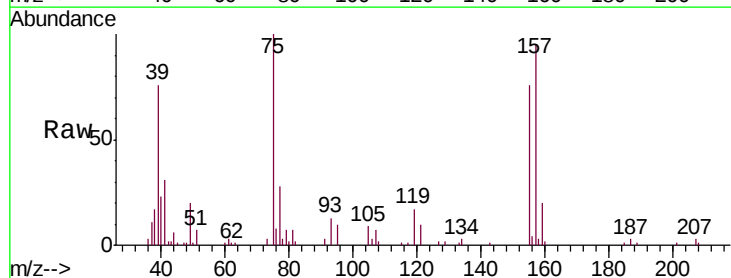
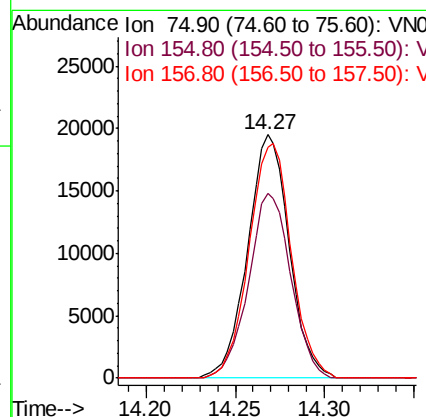
Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 10:47:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.751 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	41.5	124.6
157	98.0	54.0	162.2





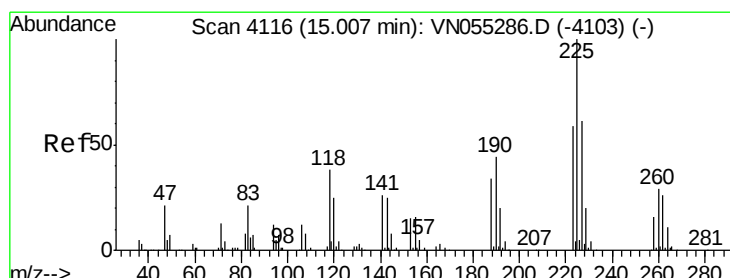
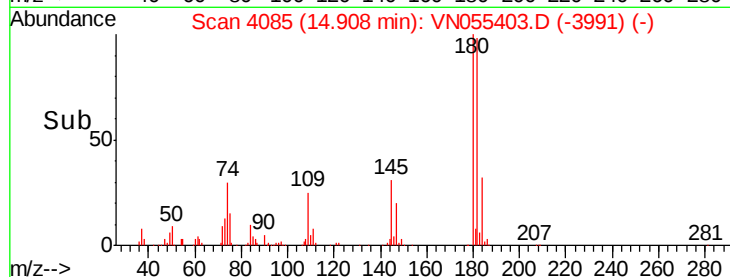
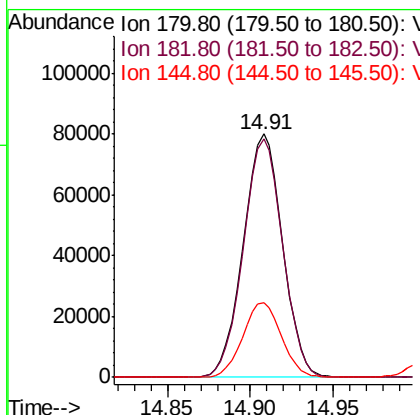
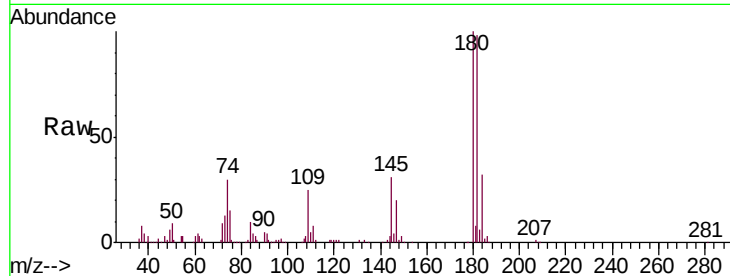
#93
 1,2,4-Trichlorobenzene
 Concen: 45.191 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	131742		
182	97.9	48.3	144.9	
145	30.2	14.2	42.6	

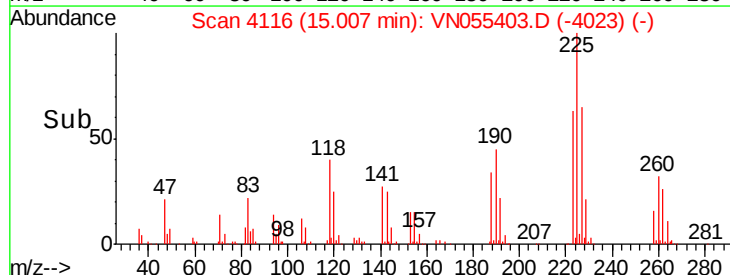
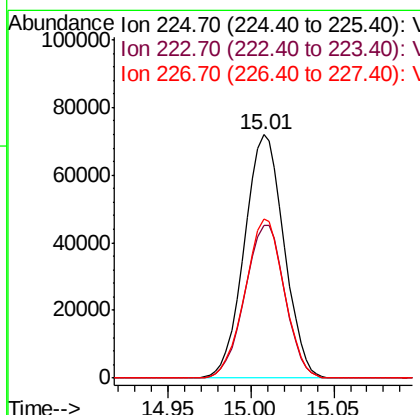
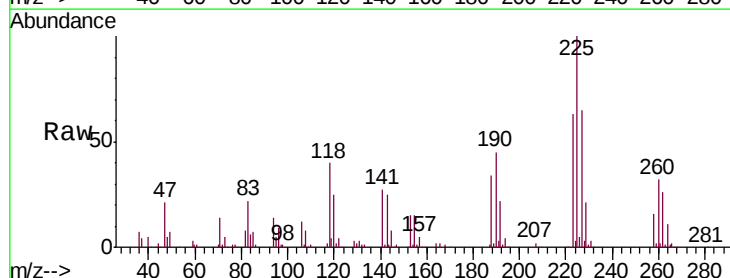
Manual Integrations
 APPROVED

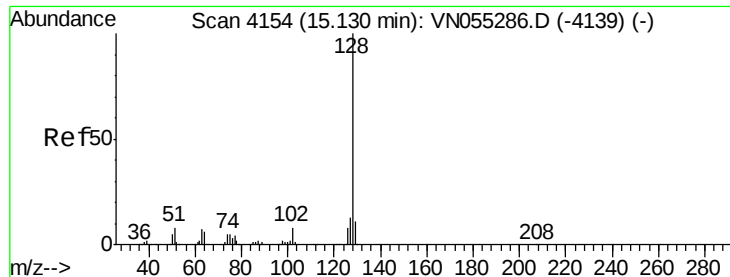
MMDadoda
 5/6/2019 10:47:31 AM



#94
 Hexachlorobutadiene
 Concen: 53.511 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	119534		
223	63.0	30.3	90.8	
227	64.6	30.9	92.7	





#95

Naphthalene

Concen: 41.994 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

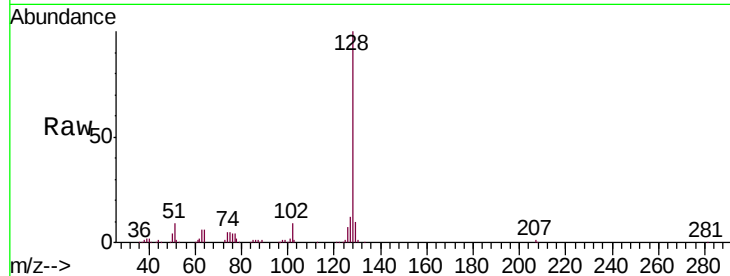
ClientSampleId :

VSTDCCC050EC

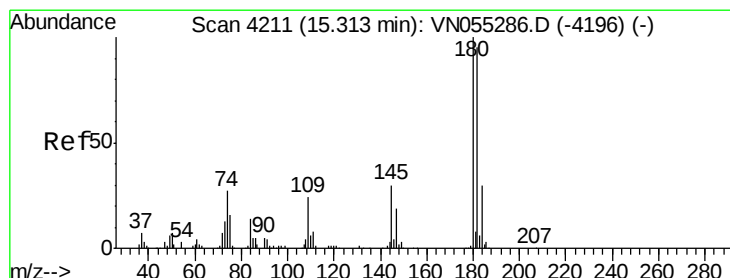
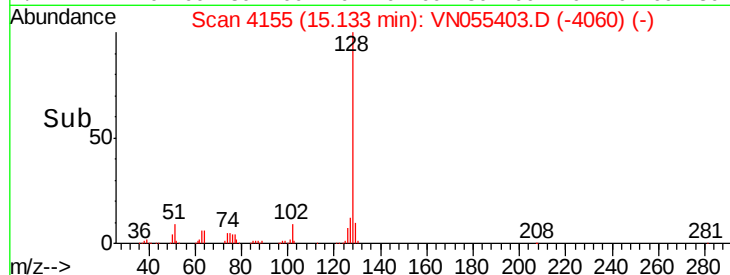
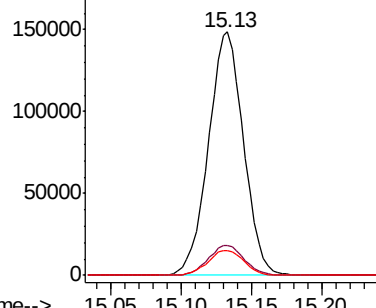
Tgt Ion:	128	Resp:	258667
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.7	16.1
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:31 AM



Abundance Ion 128.00 (127.70 to 128.70): V
200000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.187 ug/l

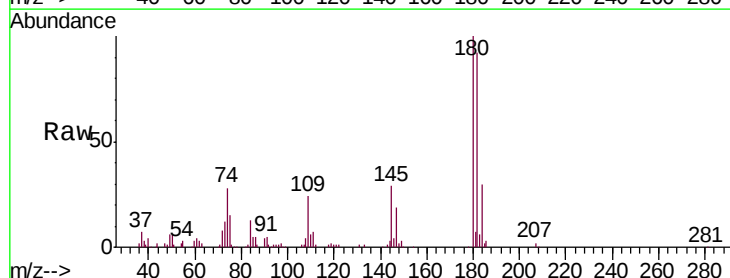
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Tgt Ion:	180	Resp:	139104
Ion Ratio	Lower	Upper	
180	100		
182	93.4	48.3	144.9
145	30.0	15.2	45.6



Abundance Ion 179.80 (179.50 to 180.50): V
100000
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

