

Data File : VN055376.D
Acq On : 3 May 2019 9:24
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:48 AM

Quant Time: May 03 23:32:56 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	426270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	655797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	558978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230623	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	260302	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
35) Dibromofluoromethane	7.59	113	213469	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	10.09	98	769031	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.40	95	257403	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	238678	45.700	ug/l	100
3) Chloromethane	2.06	50	259018	40.052	ug/l	100
4) Vinyl Chloride	2.19	62	234697	45.022	ug/l	99
5) Bromomethane	2.57	94	125441	45.429	ug/l	97
6) Chloroethane	2.71	64	131261	46.480	ug/l	100
7) Trichlorofluoromethane	3.02	101	341291	46.042	ug/l	98
8) Diethyl Ether	3.41	74	121443	46.827	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	211380	47.887	ug/l	98
10) Methyl Iodide	3.96	142	284406	45.782	ug/l	98
11) Tert butyl alcohol	4.79	59	65983	206.665	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	195322	46.386	ug/l	99
13) Acrolein	3.61	56	39070	156.693	ug/l	100
14) Allyl chloride	4.33	41	416544	47.763	ug/l	98
15) Acrylonitrile	4.99	53	408803	227.795	ug/l	98
16) Acetone	3.82	43	433670	249.581	ug/l	97
17) Carbon Disulfide	4.06	76	461961	42.038	ug/l	99
18) Methyl Acetate	4.33	43	197584	46.609	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	564293	47.669	ug/l	100
20) Methylene Chloride	4.55	84	226850	42.772	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	202873	45.492	ug/l	99
22) Diisopropyl ether	5.95	45	853850	49.276	ug/l	97
23) Vinyl Acetate	5.90	43	2750647	242.205	ug/l	99
24) 1,1-Dichloroethane	5.85	63	438745	47.522	ug/l	99
25) 2-Butanone	6.84	43	524243	235.917	ug/l	97
26) 2,2-Dichloropropane	6.82	77	307919	48.298	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	240930	47.508	ug/l	97
28) Bromochloromethane	7.19	49	214457	46.082	ug/l	99
29) Tetrahydrofuran	7.21	42	323199	227.140	ug/l	99
30) Chloroform	7.37	83	412146	47.092	ug/l	99
31) Cyclohexane	7.65	56	395213	45.055	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	328073	46.188	ug/l	99
36) 1,1-Dichloropropene	7.79	75	307404	48.938	ug/l	99
37) Ethyl Acetate	6.93	43	215356	44.733	ug/l	100
38) Carbon Tetrachloride	7.77	117	283736	46.826	ug/l	98

Data File : VN055376.D
Acq On : 3 May 2019 9:24
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:48 AM

Quant Time: May 03 23:32:56 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	334811	50.132	ug/l	99
40) Benzene	8.04	78	892468	48.196	ug/l	100
41) Methacrylonitrile	7.17	41	127849	49.082	ug/l	97
42) 1,2-Dichloroethane	8.12	62	310891	47.402	ug/l	100
43) Isopropyl Acetate	8.16	43	380050	49.122	ug/l #	88
44) Trichloroethene	8.83	130	227674	48.229	ug/l	98
45) 1,2-Dichloropropane	9.12	63	262077	49.071	ug/l	98
46) Dibromomethane	9.21	93	137285	47.027	ug/l	99
47) Bromodichloromethane	9.40	83	309830	49.472	ug/l	98
48) Methyl methacrylate	9.20	41	181236	47.651	ug/l	99
49) 1,4-Dioxane	9.20	88	37013	941.393	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1012004	232.328	ug/l	99
52) Toluene	10.16	92	526174	49.523	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	282757	52.009	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	352679	52.029	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	192873	48.885	ug/l	98
56) Ethyl methacrylate	10.43	69	243371	50.116	ug/l	98
57) 1,3-Dichloropropane	10.71	76	338719	48.938	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	311638	208.923	ug/l	99
59) 2-Hexanone	10.75	43	655060	240.350	ug/l	99
60) Dibromochloromethane	10.90	129	202910	50.320	ug/l	99
61) 1,2-Dibromoethane	11.00	107	176587	48.424	ug/l	100
64) Tetrachloroethene	10.63	164	231724	50.692	ug/l	98
65) Chlorobenzene	11.43	112	535019	48.955	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	206368	48.224	ug/l	100
67) Ethyl Benzene	11.51	91	987574	50.041	ug/l	100
68) m/p-Xylenes	11.62	106	725215	102.950	ug/l	98
69) o-Xylene	11.95	106	352471	50.482	ug/l	100
70) Styrene	11.96	104	581343	54.228	ug/l	100
71) Bromoform	12.13	173	121577	51.200	ug/l #	99
73) Isopropylbenzene	12.25	105	958050	52.357	ug/l	100
74) N-amyl acetate	12.07	43	265746	44.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	211896	46.126	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	187389m	43.381	ug/l	
77) Bromobenzene	12.53	156	221221	50.297	ug/l	99
78) n-propylbenzene	12.59	91	1078914	45.543	ug/l	100
79) 2-Chlorotoluene	12.67	91	644474	51.651	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	796344	44.045	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	50971	41.884	ug/l	95
82) 4-Chlorotoluene	12.77	91	628961	45.663	ug/l	100
83) tert-Butylbenzene	12.99	119	670761	52.563	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	776909	48.047	ug/l	100
85) sec-Butylbenzene	13.17	105	884707	45.020	ug/l	100
86) p-Isopropyltoluene	13.29	119	763154	47.249	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	367525	47.624	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	357497	49.191	ug/l	99
89) n-Butylbenzene	13.61	91	605158	52.727	ug/l	99
90) Hexachloroethane	13.87	117	125039	48.857	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	366766	47.951	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30065	49.552	ug/l	96

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

Data File : VN055376.D
Acq On : 3 May 2019 9:24
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:48 AM

Quant Time: May 03 23:32:56 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	146536	48.689	ug/l	98
94) Hexachlorobutadiene	15.01	225	135477	59.388	ug/l	97
95) Naphthalene	15.13	128	261059	41.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	146031	49.219	ug/l	98

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

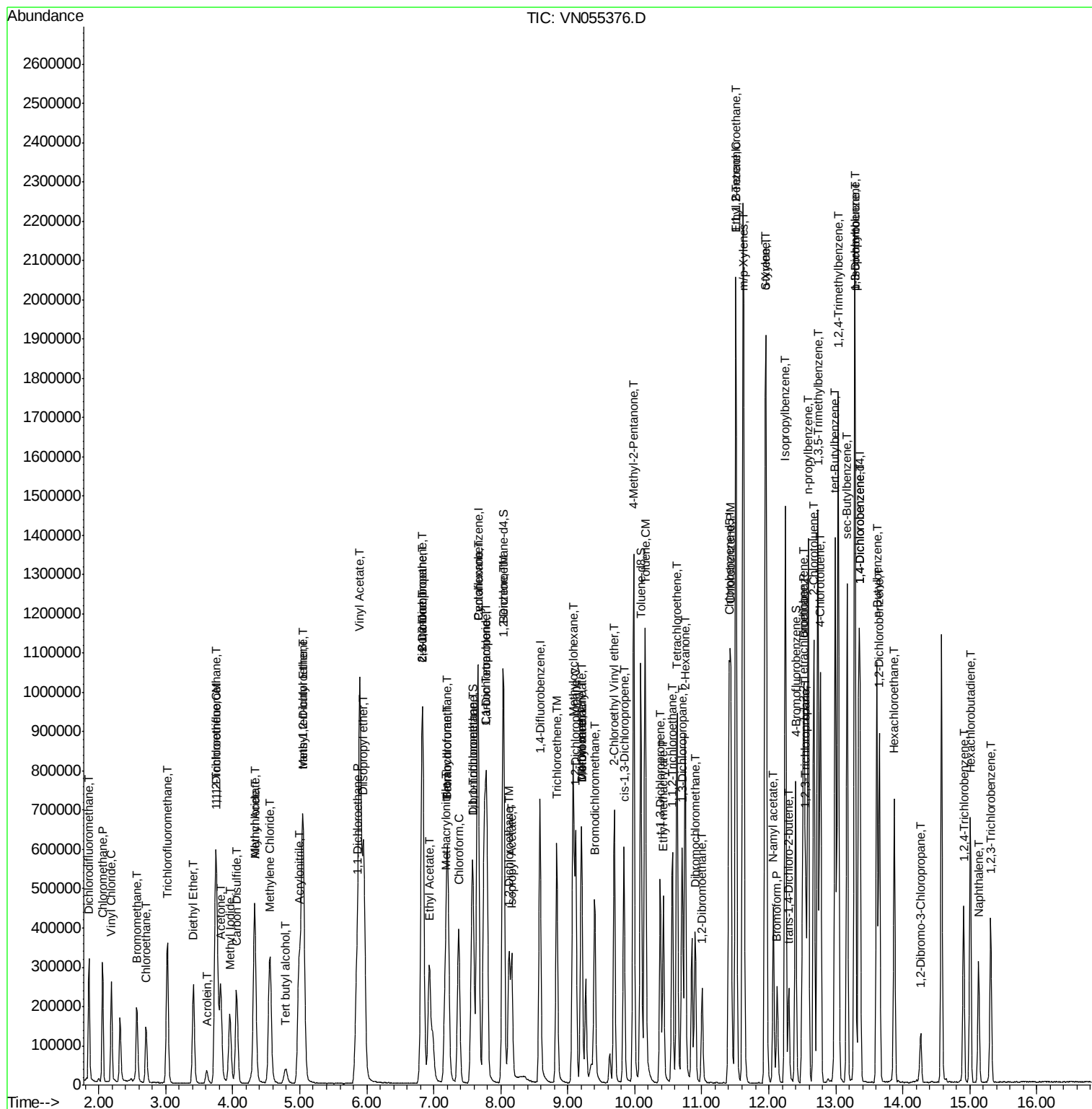
Data File : VN055376.D
Acq On : 3 May 2019 9:24
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

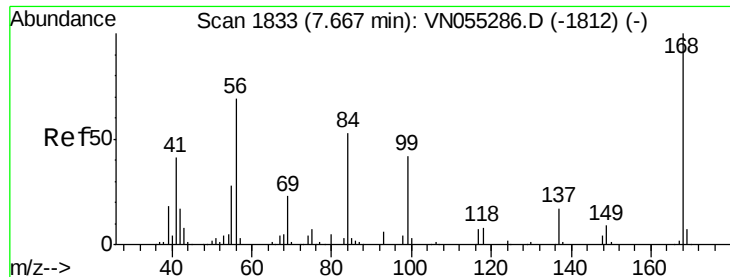
Instrument :
MSVOA_N
Client Sample ID :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:48 AM

Quant Time: May 03 23:32:56 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 426270

Ion Ratio Lower Upper

168 100

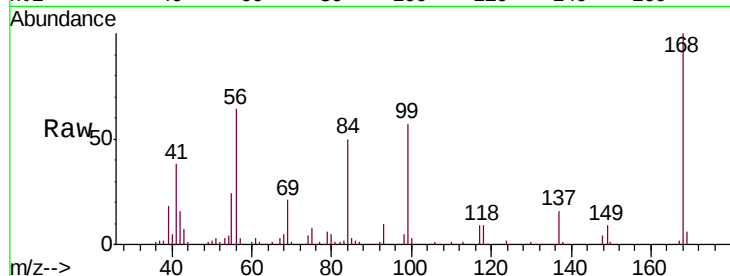
99 55.8 43.6 65.4

Manual Integrations

APPROVED

MMDadoda

5/6/2019 10:47:48 AM



Abundance Ion 167.90 (167.60 to 168.60): VN055286.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055286.D (-1812) (-)

200000

150000

100000

50000

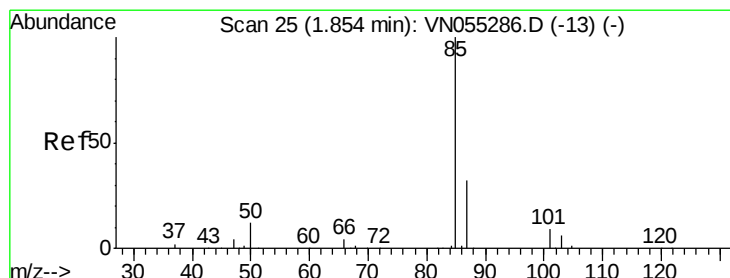
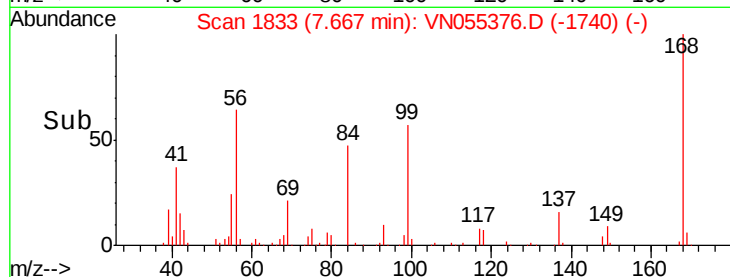
0

7.67

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.700 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055376.D

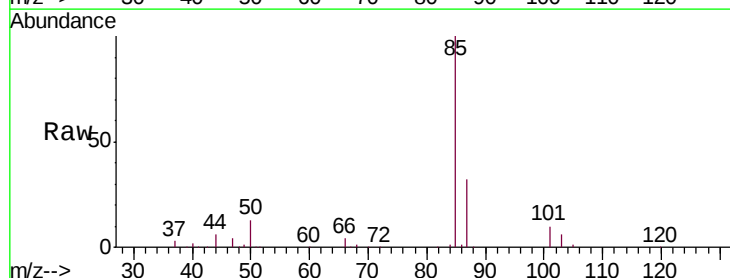
Acq: 3 May 2019 9:24

Tgt Ion: 85 Resp: 238678

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055286.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN055286.D (-13) (-)

200000

150000

100000

50000

0

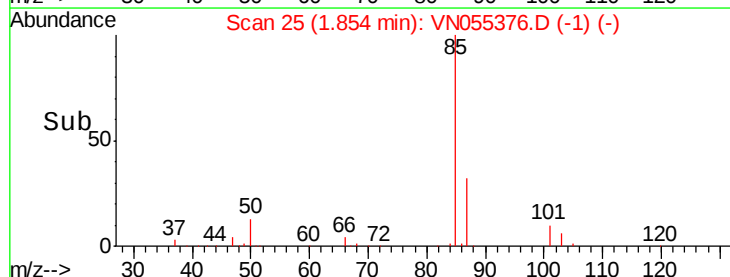
1.85

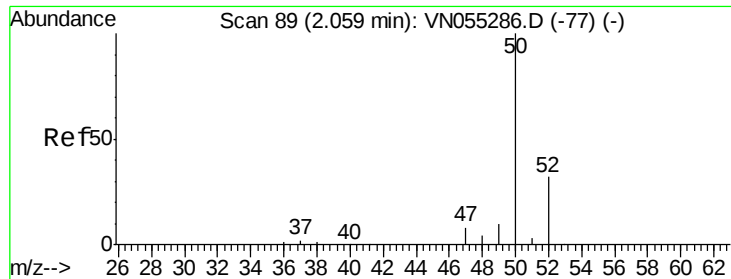
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 40.052 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 259018

Ion Ratio Lower Upper

50 100

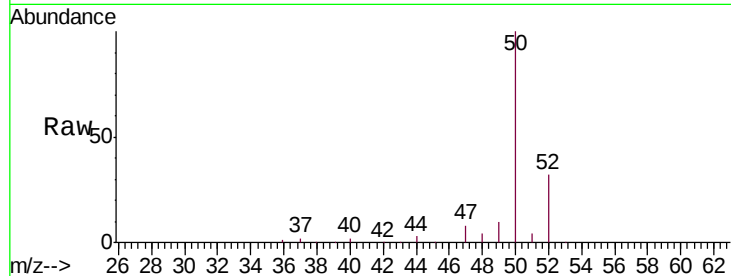
52 32.0 25.7 38.5

Manual Integrations

APPROVED

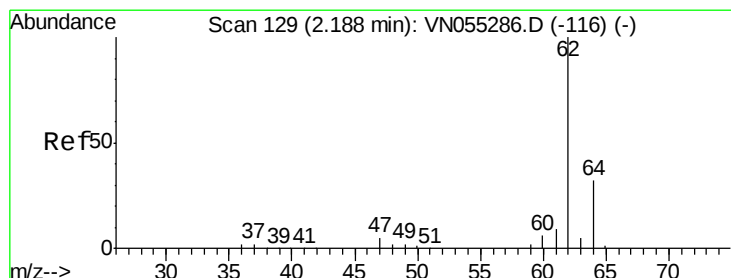
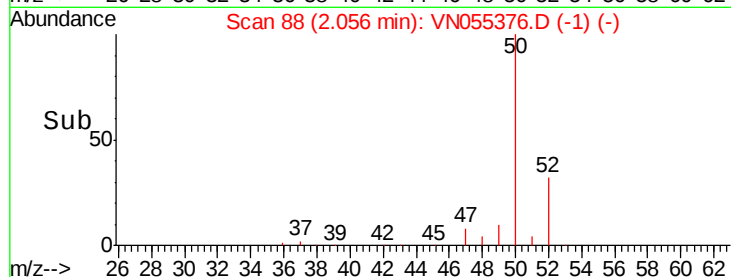
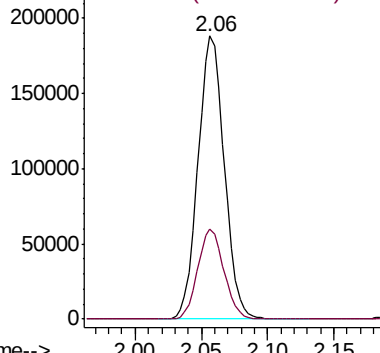
MMDadoda

5/6/2019 10:47:48 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.022 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055376.D

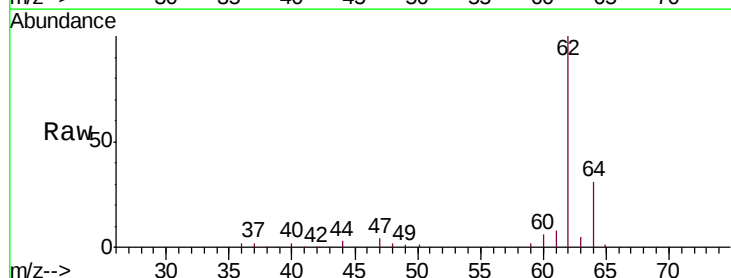
Acq: 3 May 2019 9:24

Tgt Ion: 62 Resp: 234697

Ion Ratio Lower Upper

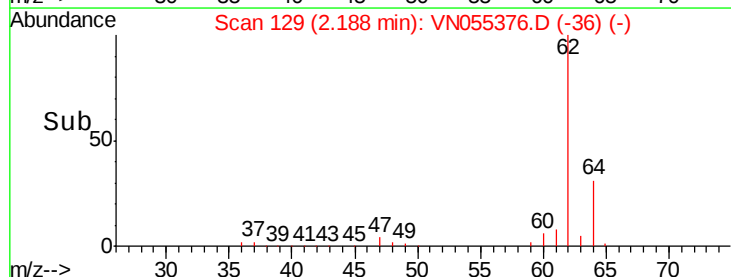
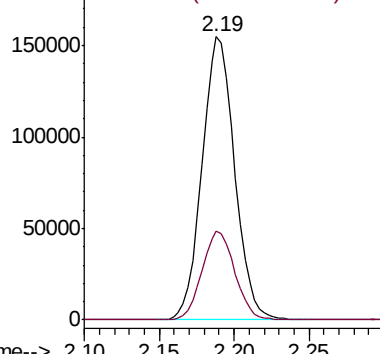
62 100

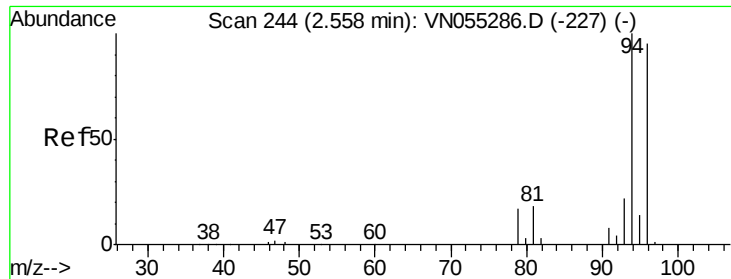
64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 45.429 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 125441

Ion Ratio Lower Upper

94 100

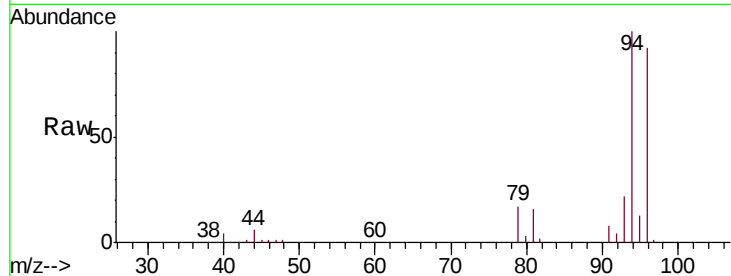
96 91.9 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

5/6/2019 10:47:48 AM



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.57

60000

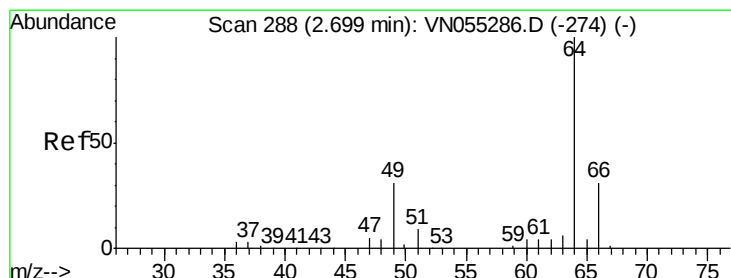
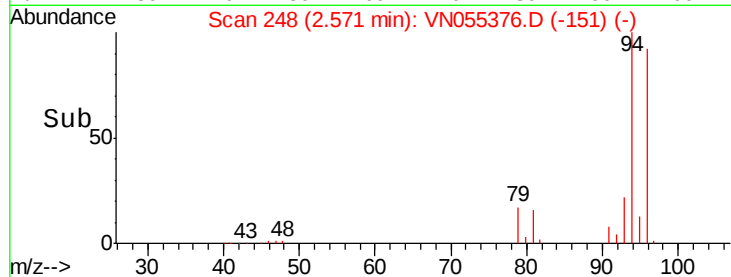
40000

20000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 46.480 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055376.D

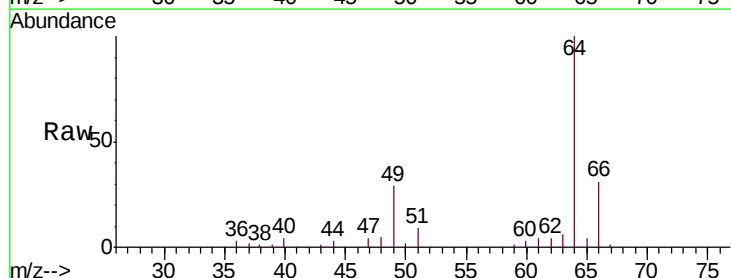
Acq: 3 May 2019 9:24

Tgt Ion: 64 Resp: 131261

Ion Ratio Lower Upper

64 100

66 31.2 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.71

60000

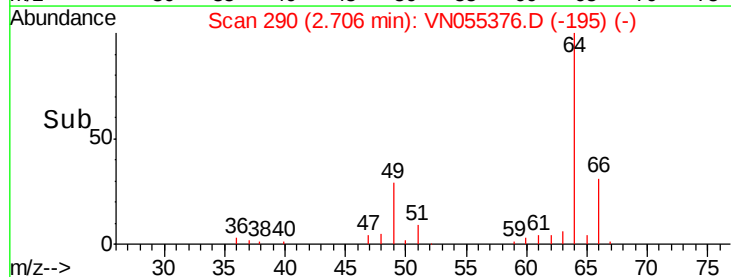
40000

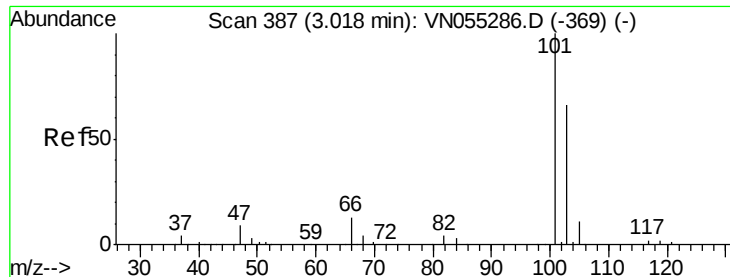
20000

0

Time-->

2.60 2.70 2.80





#7

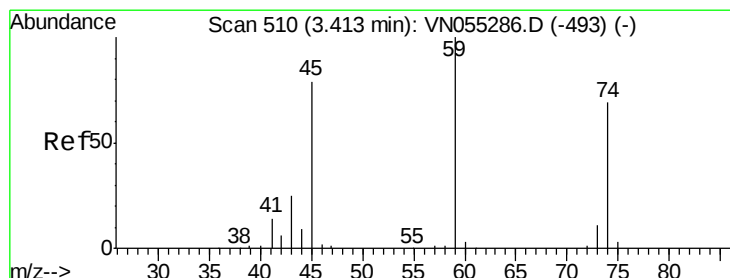
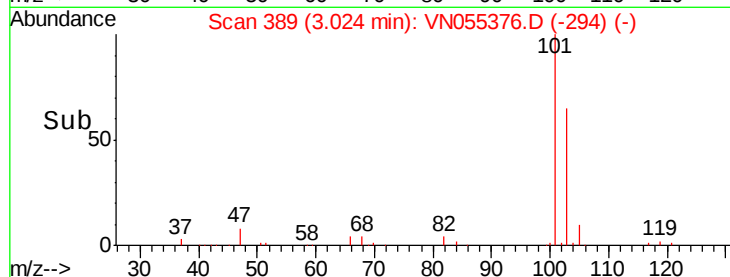
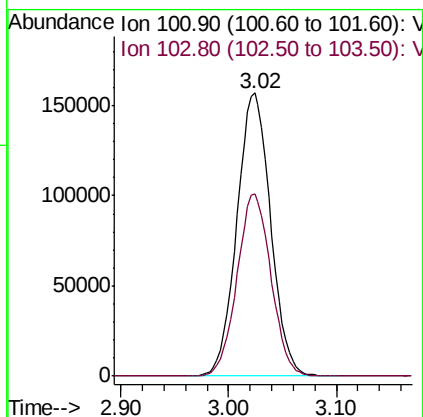
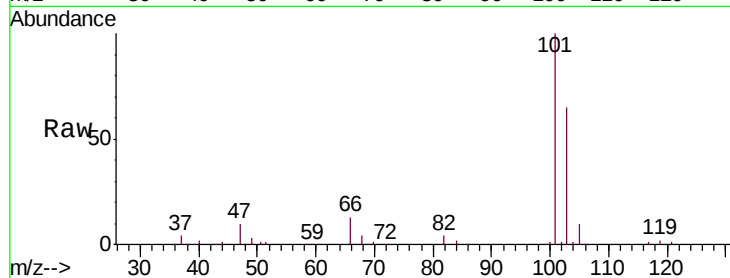
Trichlorofluoromethane
 Concen: 46.042 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 101 Resp: 341291
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.6 79.0

Manual Integrations
 APPROVED

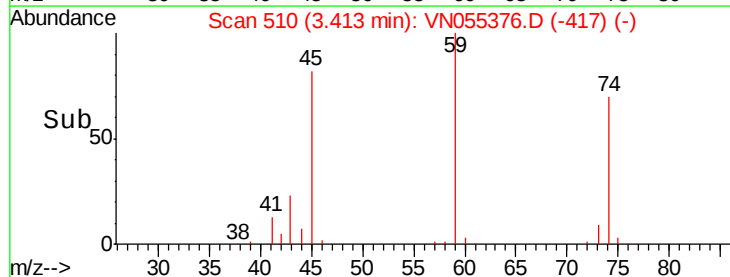
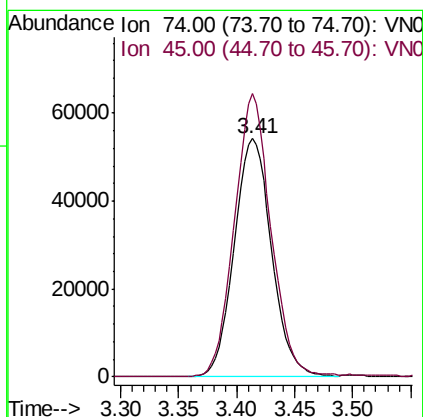
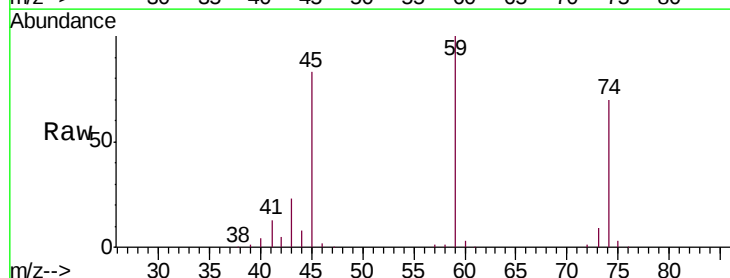
MMDadoda
 5/6/2019 10:47:48 AM

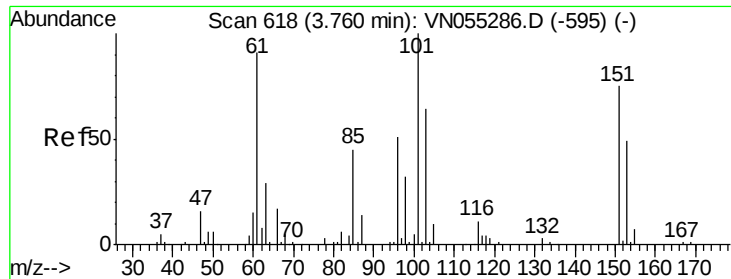


#8

Diethyl Ether
 Concen: 46.827 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion: 74 Resp: 121443
 Ion Ratio Lower Upper
 74 100
 45 116.3 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.887 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

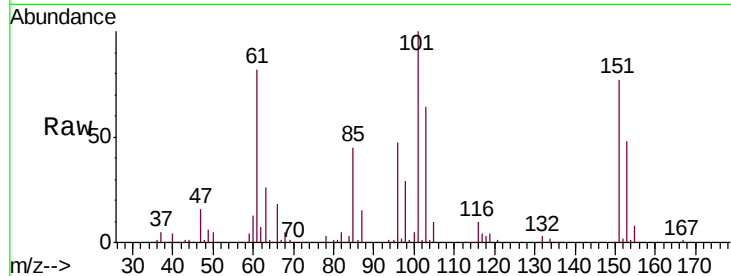
ClientSampleId :

VSTDCCC050

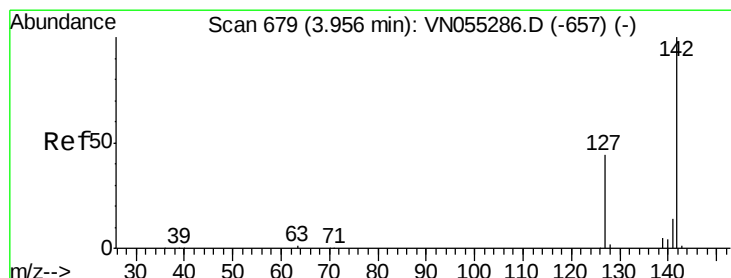
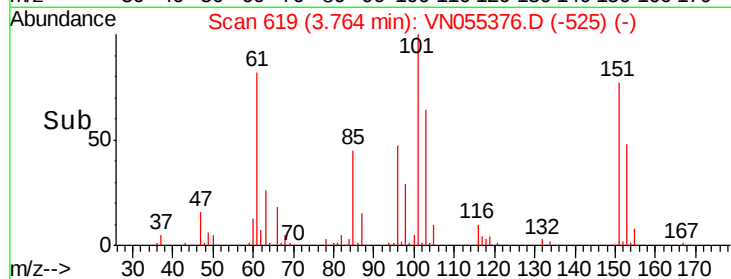
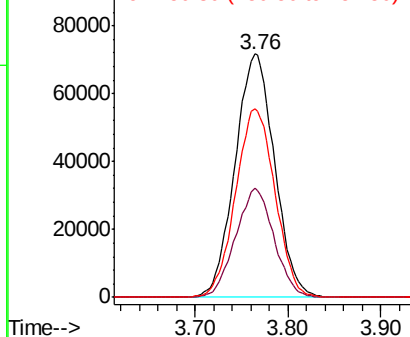
Tgt Ion:	101	Resp:	211380
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.7	53.5
151	77.5	63.3	94.9

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:48 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.782 ug/l

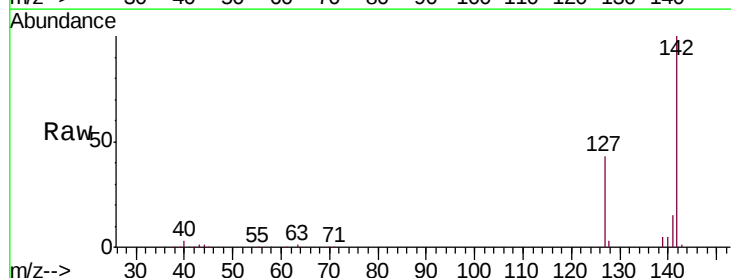
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

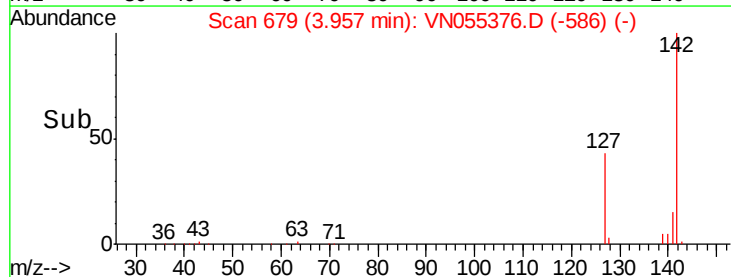
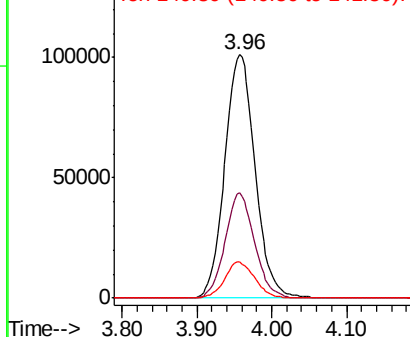
Lab File: VN055376.D

Acq: 3 May 2019 9:24

Tgt Ion:	142	Resp:	284406
Ion Ratio	Lower	Upper	
142	100		
127	41.8	34.4	51.6
141	14.6	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





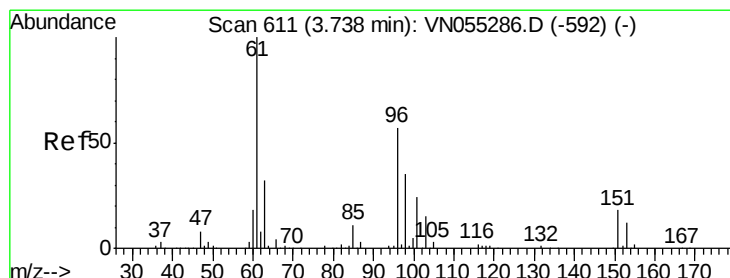
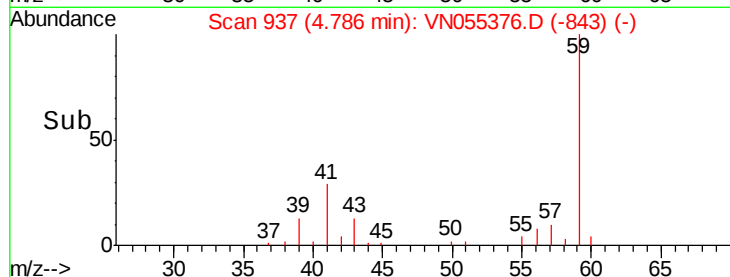
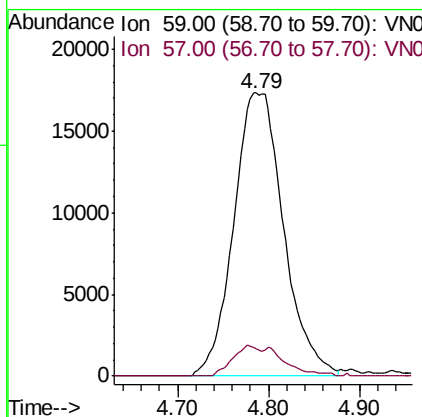
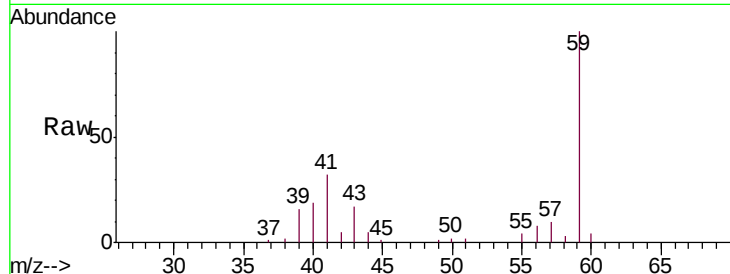
#11
Tert butyl alcohol
Concen: 206.665 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 65983
Ion Ratio Lower Upper
59 100
57 6.0 8.2 12.2#

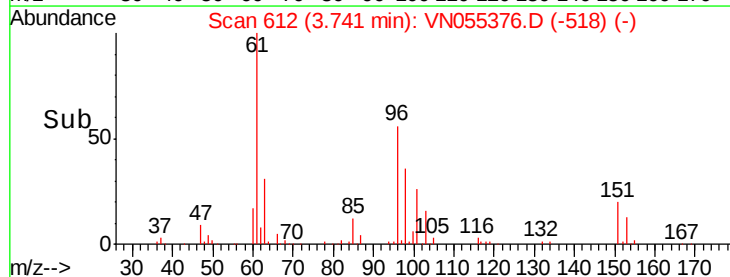
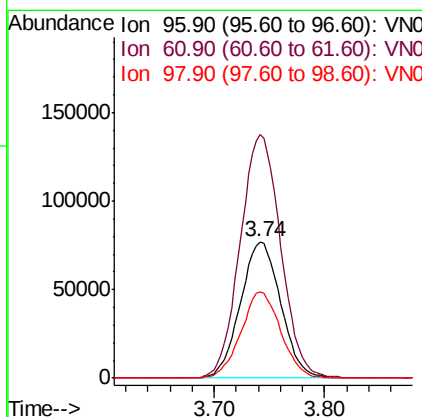
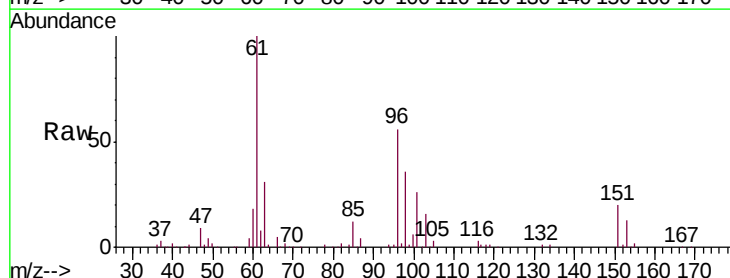
Manual Integrations
APPROVED

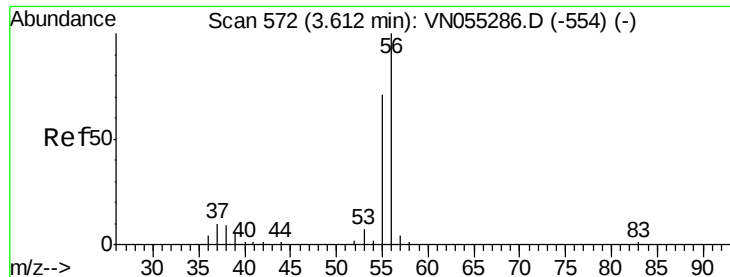
MMDadoda
5/6/2019 10:47:48 AM



#12
1,1-Dichloroethene
Concen: 46.386 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion: 96 Resp: 195322
Ion Ratio Lower Upper
96 100
61 178.2 140.9 211.3
98 63.4 50.0 75.0





#13

Acrolein

Concen: 156.693 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 39070

Ion Ratio Lower Upper

56 100

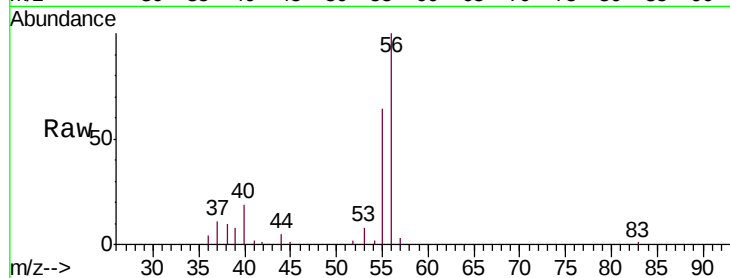
55 71.5 57.4 86.2

Manual Integrations

APPROVED

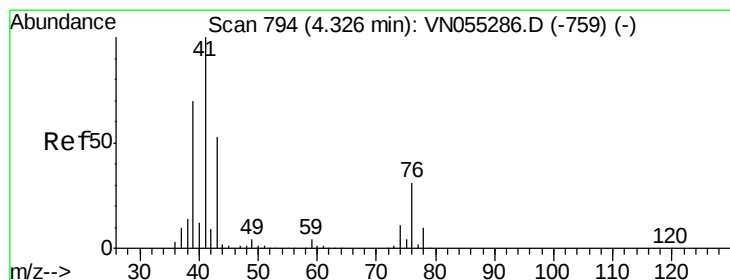
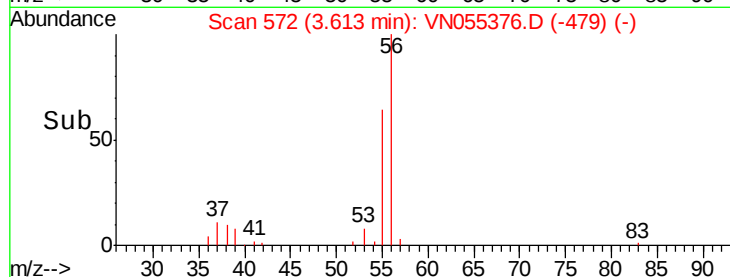
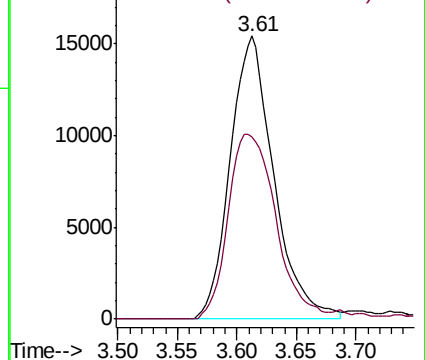
MMDadoda

5/6/2019 10:47:48 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 47.763 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

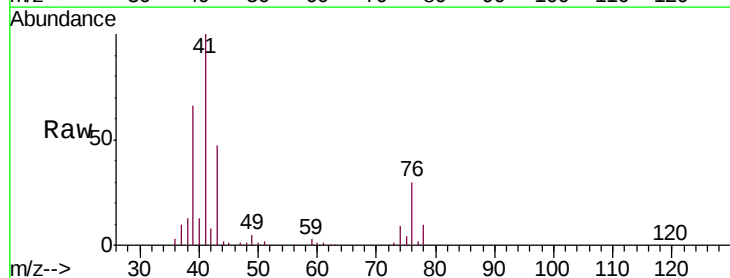
Tgt Ion: 41 Resp: 416544

Ion Ratio Lower Upper

41 100

39 64.1 53.0 79.6

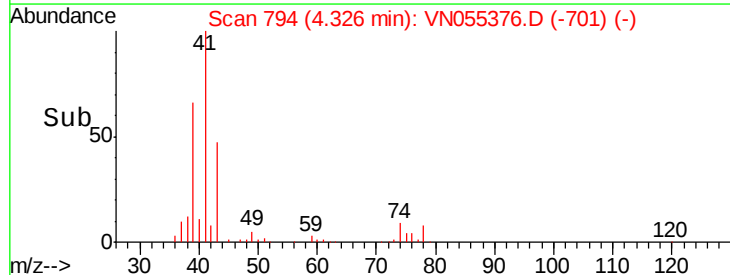
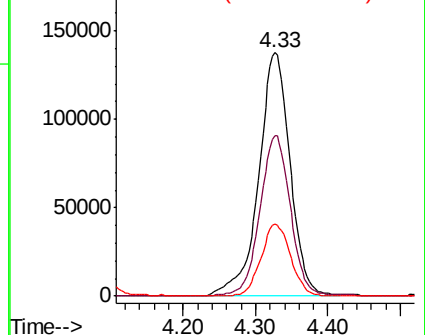
76 28.0 22.7 34.1

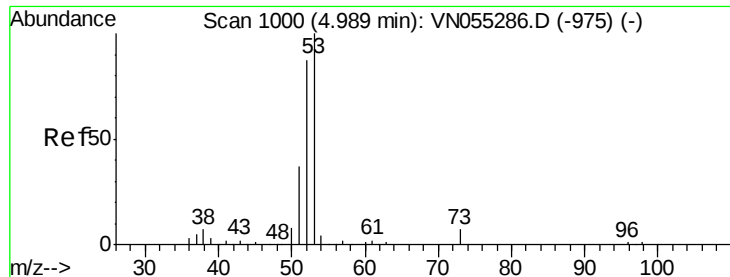


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 227.795 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

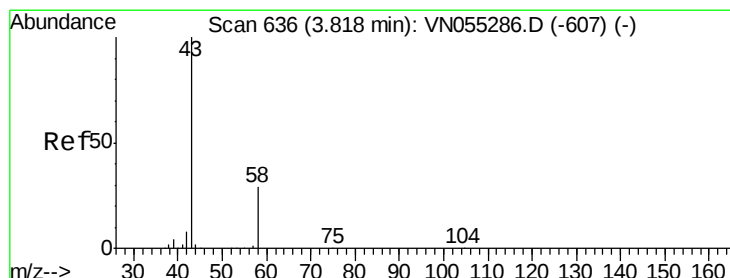
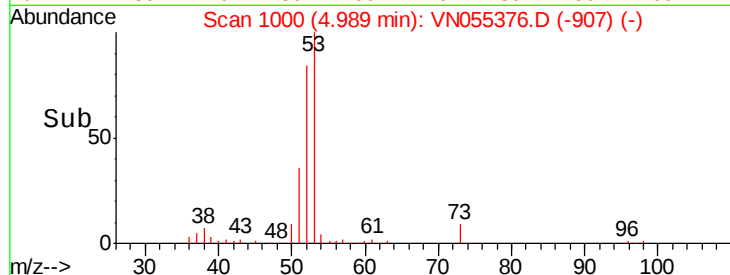
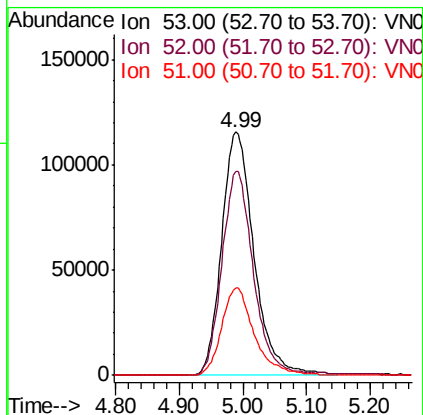
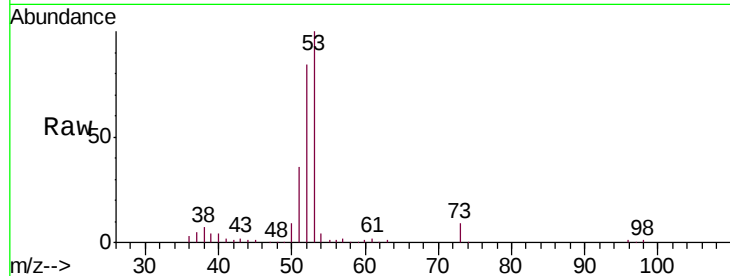
ClientSampled :

VSTDCCC050

Tgt Ion:	53	Resp:	408803
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.5	99.7
51	36.3	29.6	44.4

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:48 AM



#16

Acetone

Concen: 249.581 ug/l

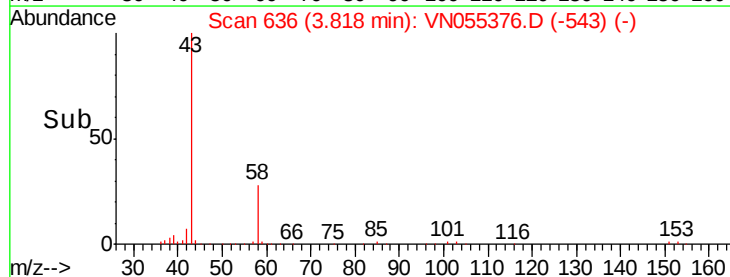
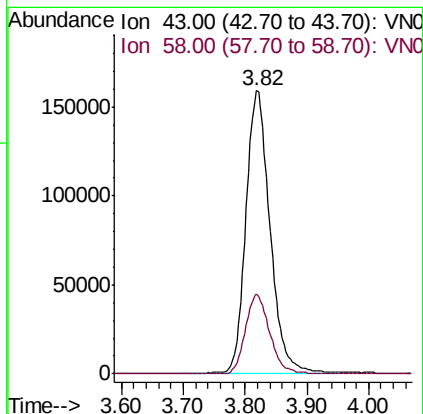
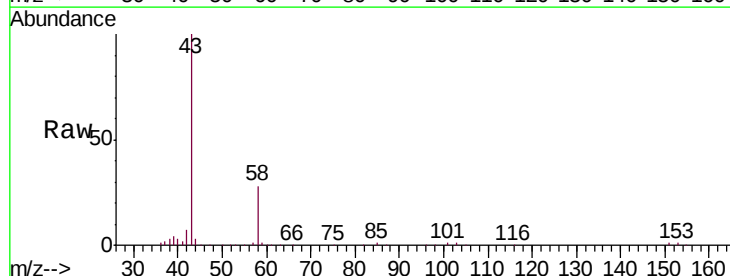
RT: 3.82 min Scan# 636

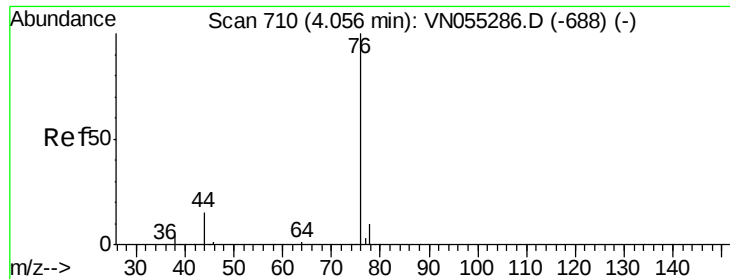
Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Tgt Ion:	43	Resp:	433670
Ion	Ratio	Lower	Upper
43	100		
58	28.2	23.6	35.4





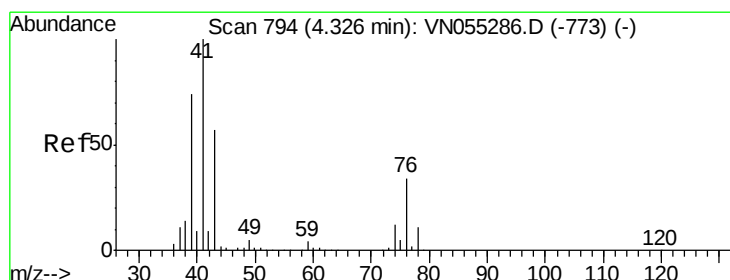
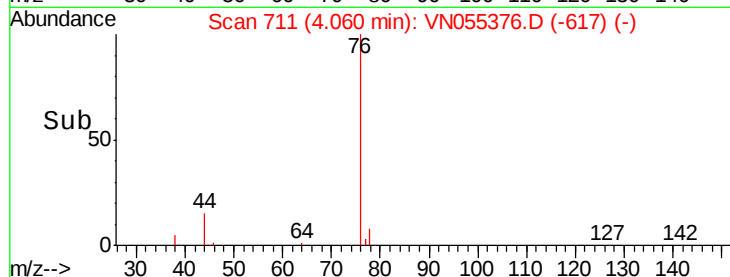
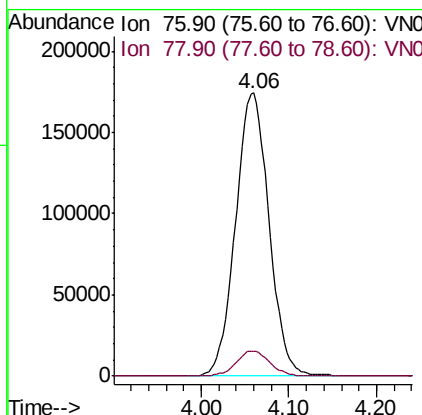
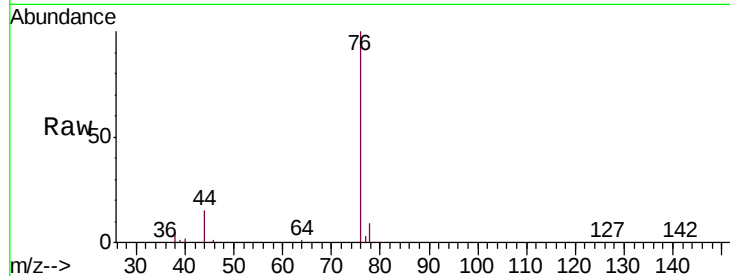
#17
Carbon Disulfide
Concen: 42.038 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 461961
Ion Ratio Lower Upper
76 100
78 9.0 7.6 11.4

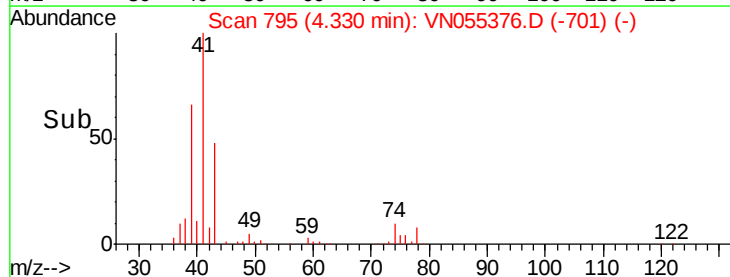
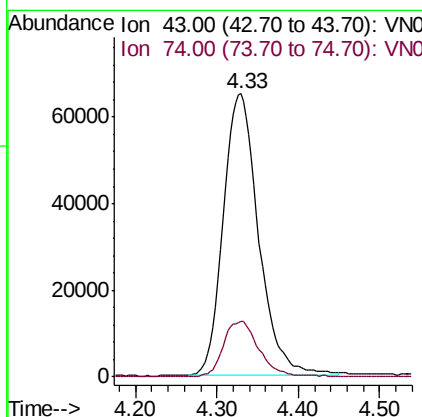
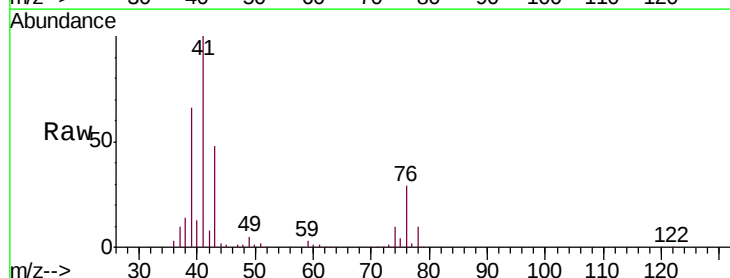
Manual Integrations
APPROVED

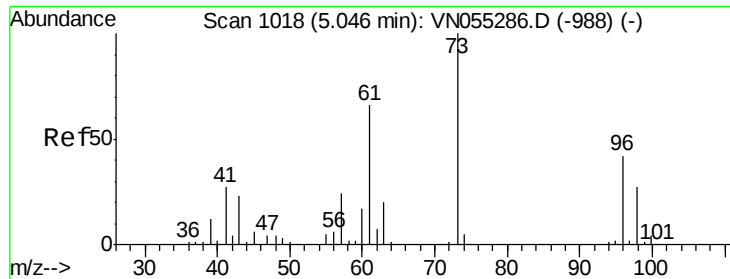
MMDadoda
5/6/2019 10:47:48 AM



#18
Methyl Acetate
Concen: 46.609 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion: 43 Resp: 197584
Ion Ratio Lower Upper
43 100
74 19.7 15.8 23.8





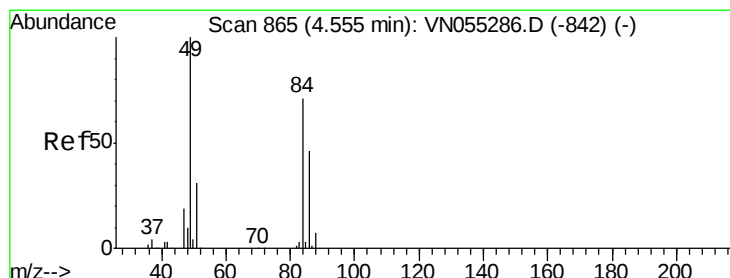
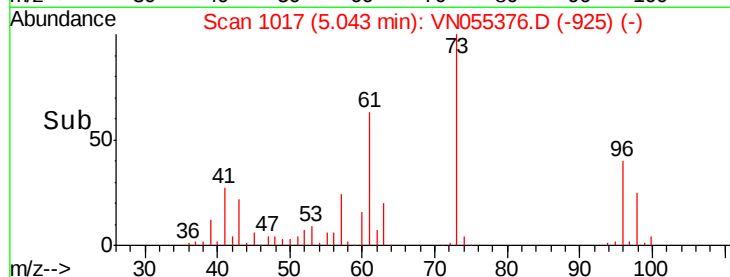
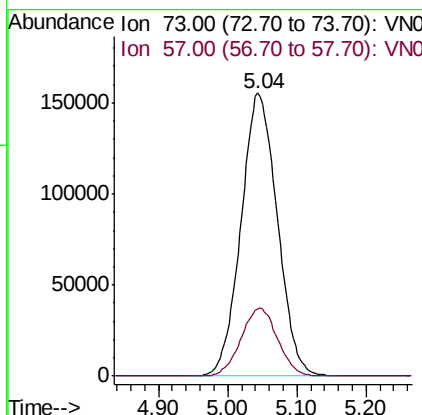
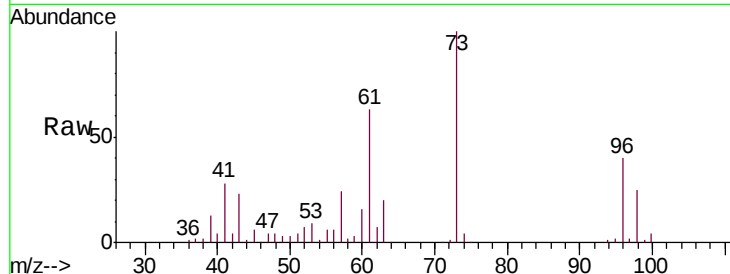
#19
Methyl tert-butyl Ether
Concen: 47.669 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 564293
Ion Ratio Lower Upper
73 100
57 23.8 19.1 28.7

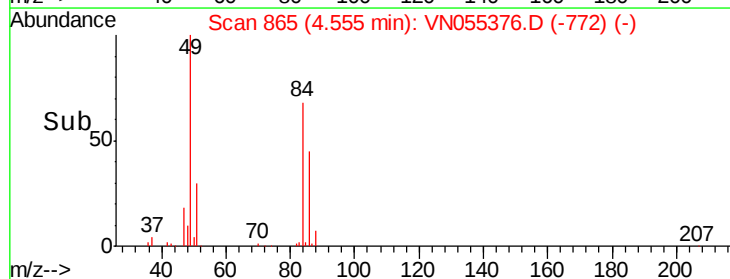
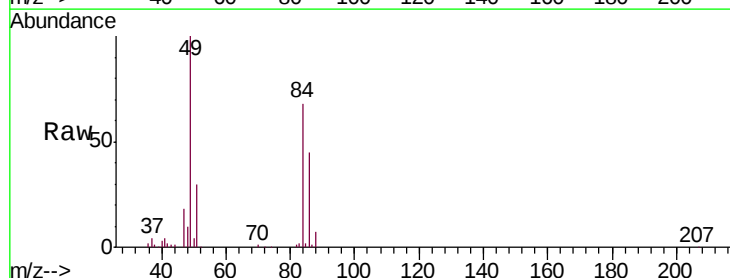
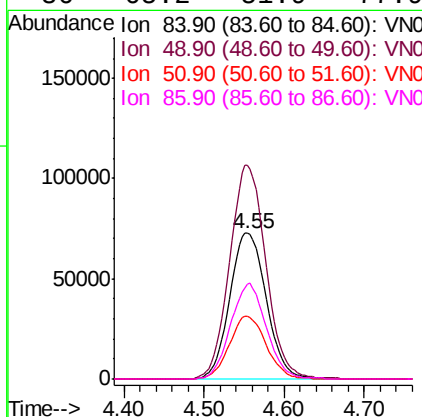
Manual Integrations
APPROVED

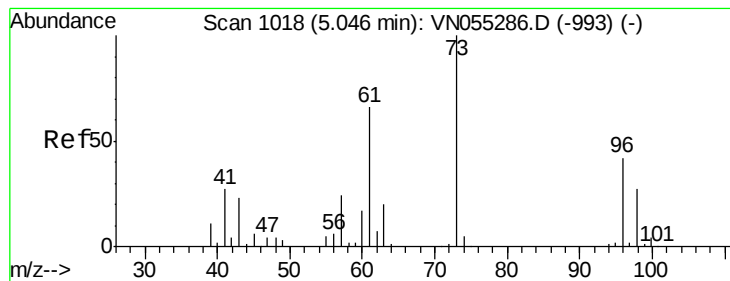
MMDadoda
5/6/2019 10:47:48 AM



#20
Methylene Chloride
Concen: 42.772 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion: 84 Resp: 226850
Ion Ratio Lower Upper
84 100
49 146.1 112.4 168.6
51 43.3 34.6 51.8
86 65.2 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 45.492 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 96 Resp: 202873

Ion Ratio Lower Upper

96 100

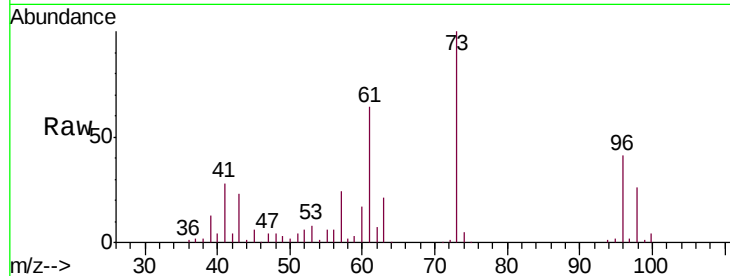
61 156.9 126.2 189.4

98 64.0 52.2 78.2

Manual Integrations
APPROVED

MMDadoda

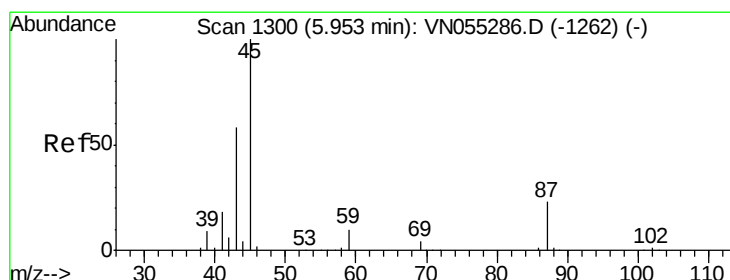
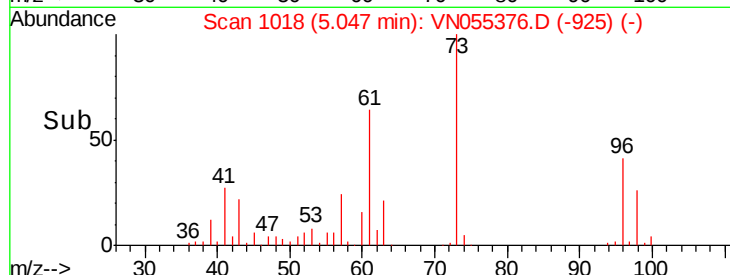
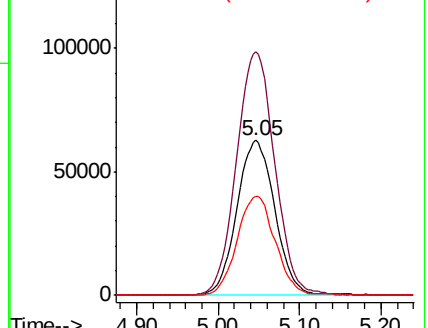
5/6/2019 10:47:48 AM



Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 49.276 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Tgt Ion: 45 Resp: 853850

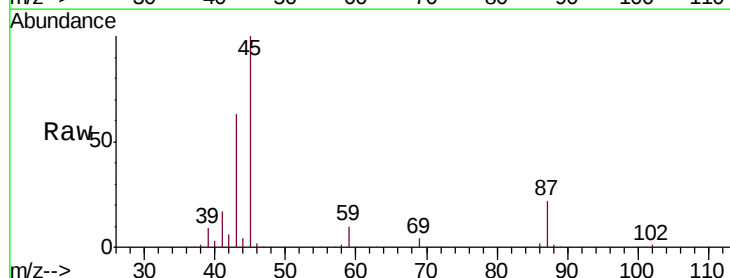
Ion Ratio Lower Upper

45 100

43 61.5 46.6 70.0

87 21.5 18.1 27.1

59 10.2 8.2 12.2

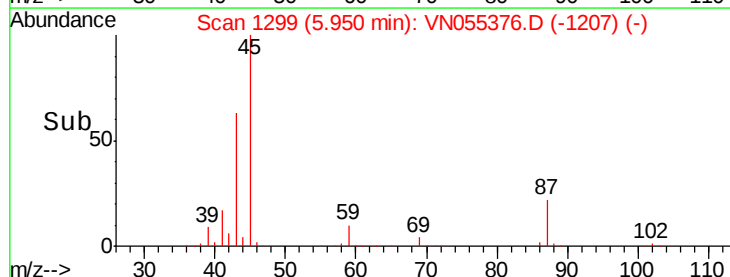
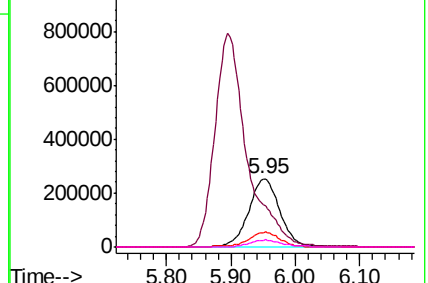


Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





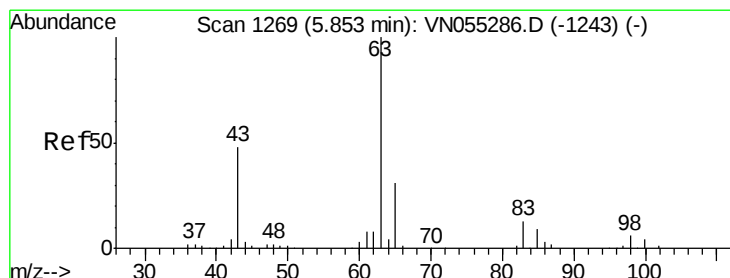
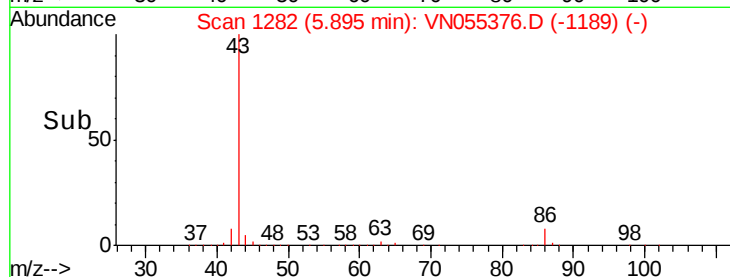
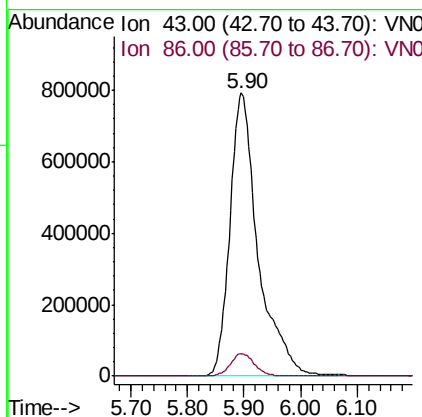
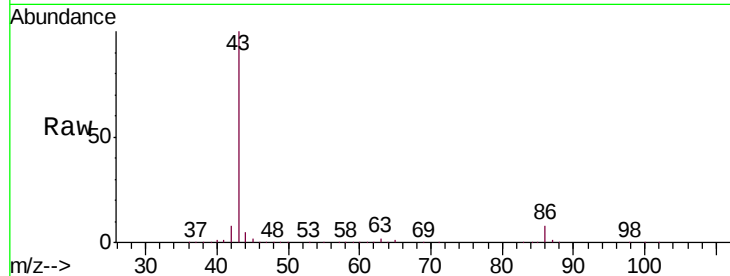
#23
 Vinyl Acetate
 Concen: 242.205 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 2750647
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.6 10.0

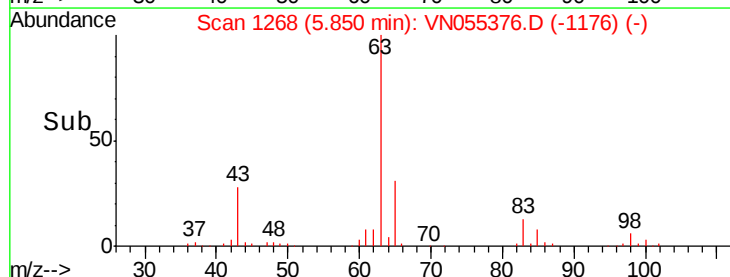
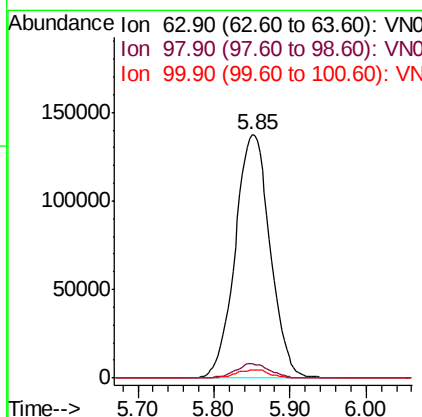
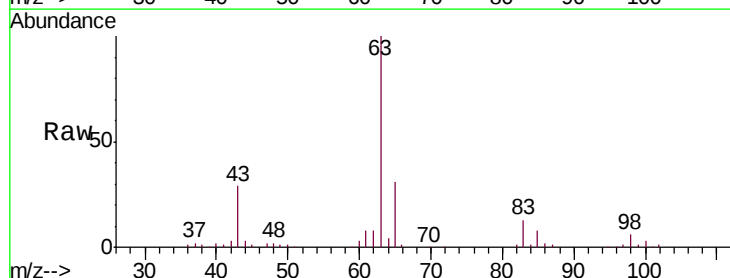
Manual Integrations
 APPROVED

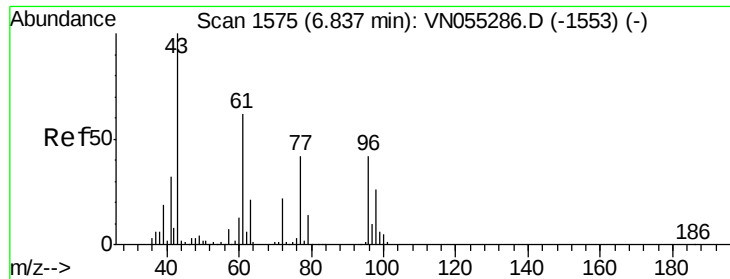
MMDadoda
 5/6/2019 10:47:48 AM



#24
 1,1-Dichloroethane
 Concen: 47.522 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion: 63 Resp: 438745
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.0
 100 3.3 1.8 5.4





#25

2-Butanone

Concen: 235.917 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 524243

Ion Ratio Lower Upper

43 100

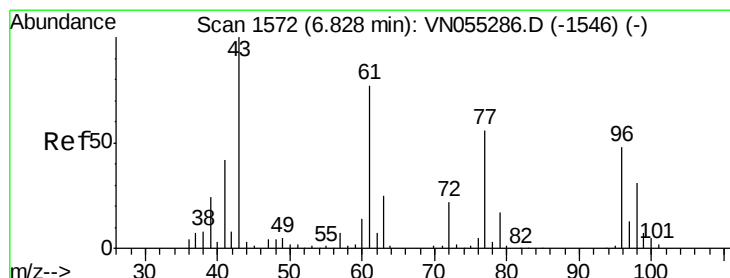
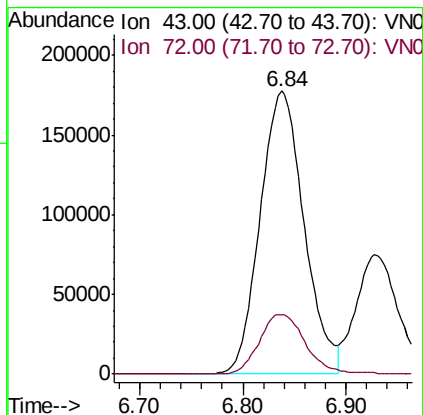
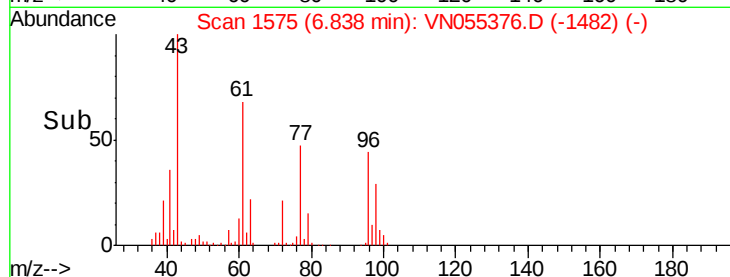
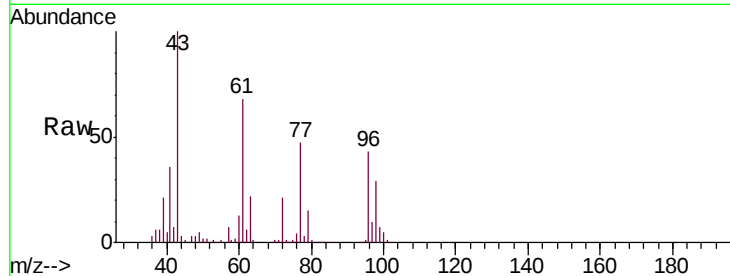
72 21.1 18.0 27.0

Manual Integrations

APPROVED

MMDadoda

5/6/2019 10:47:48 AM



#26

2,2-Dichloropropane

Concen: 48.298 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055376.D

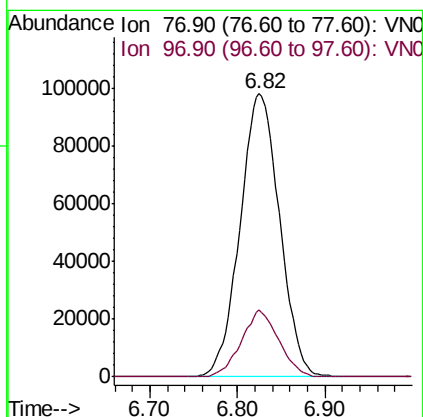
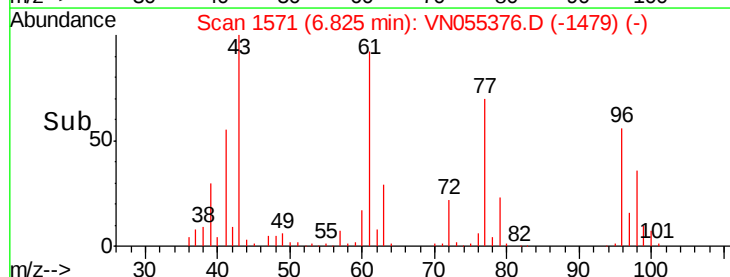
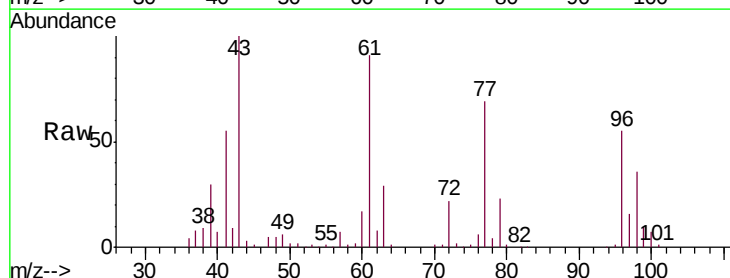
Acq: 3 May 2019 9:24

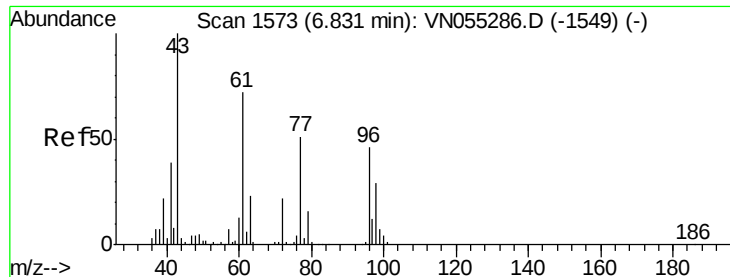
Tgt Ion: 77 Resp: 307919

Ion Ratio Lower Upper

77 100

97 22.4 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 47.508 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

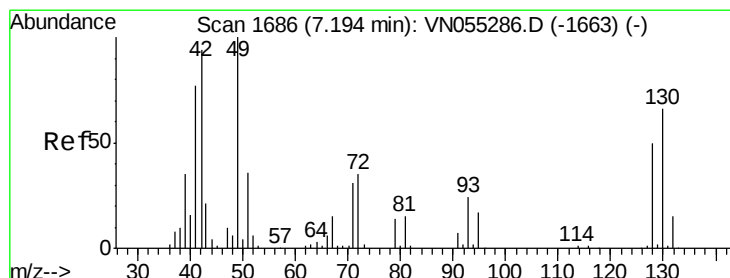
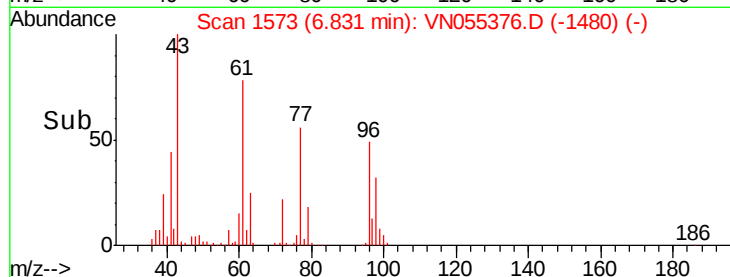
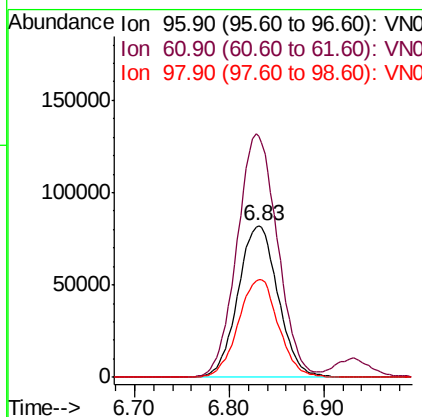
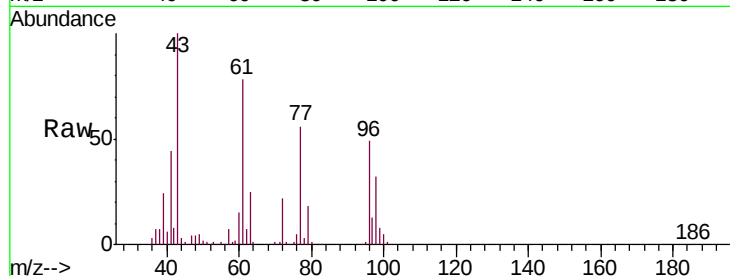
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	240930
Ion	Ratio	Lower	Upper
96	100		
61	162.4	0.0	316.2
98	64.9	0.0	126.6

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:48 AM



#28

Bromochloromethane

Concen: 46.082 ug/l

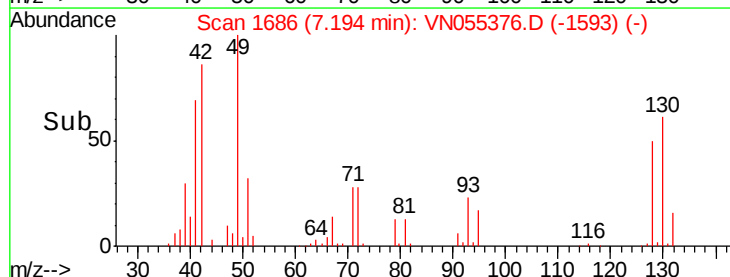
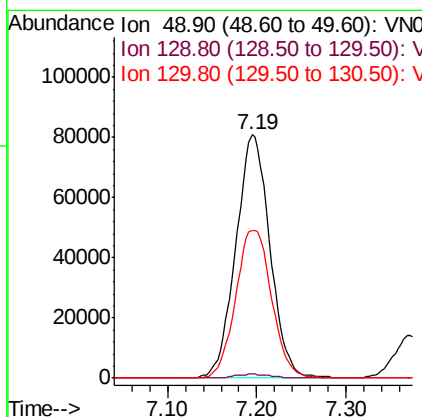
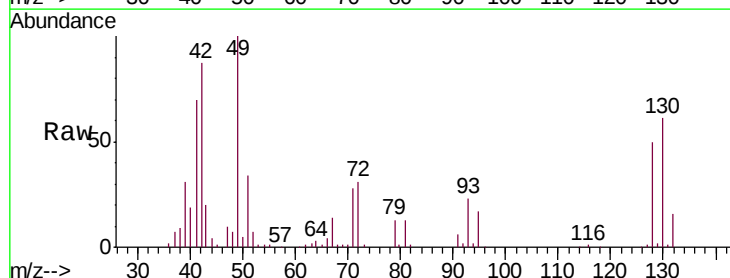
RT: 7.19 min Scan# 1686

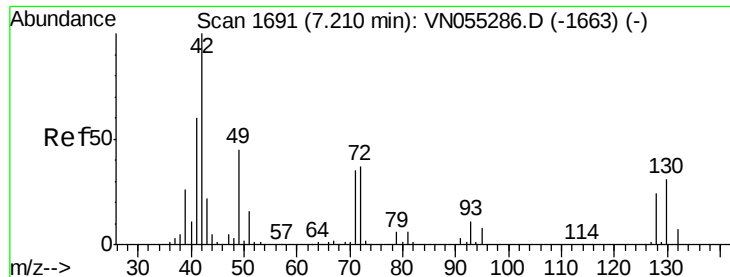
Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Tgt Ion:	49	Resp:	214457
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.4
130	64.0	52.0	78.0





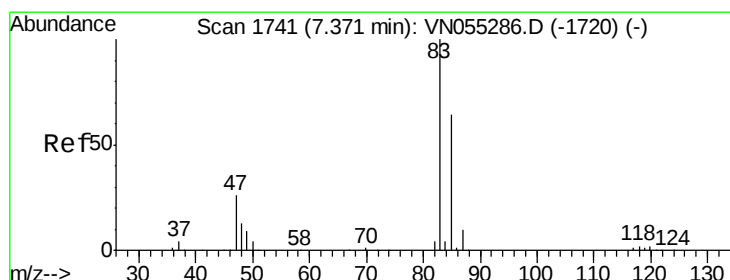
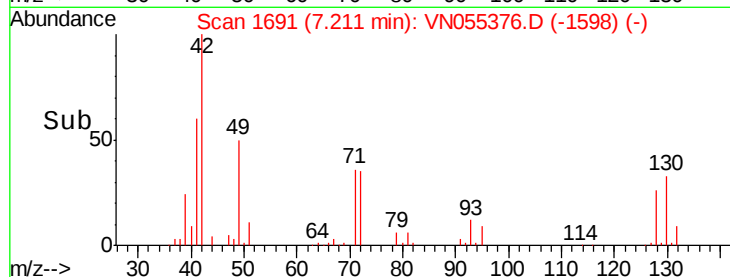
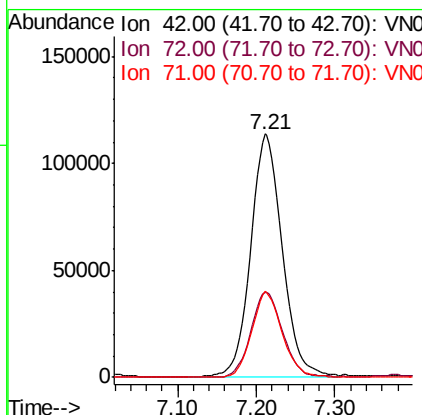
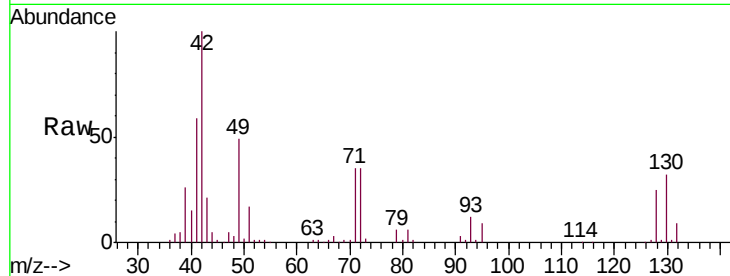
#29
Tetrahydrofuran
Concen: 227.140 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.6	29.0	43.6
71	34.1	27.1	40.7

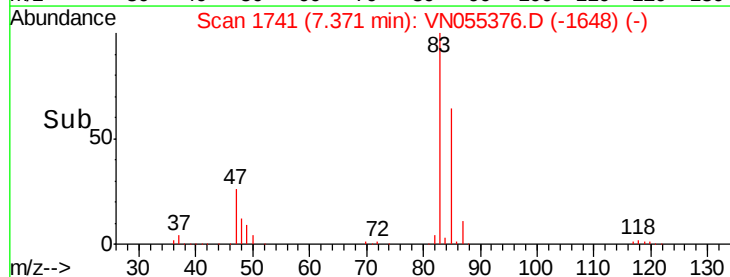
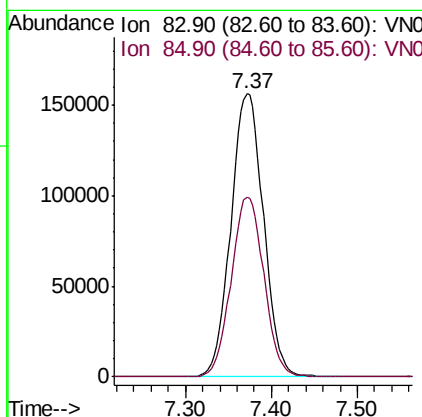
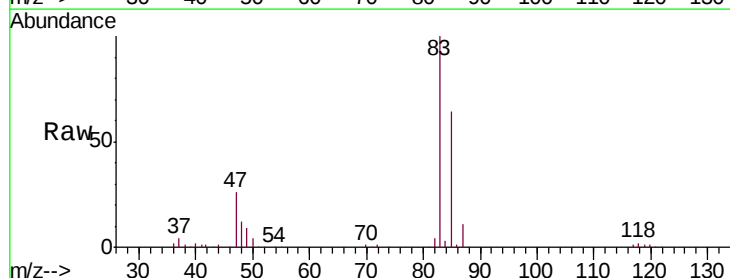
Manual Integrations
APPROVED

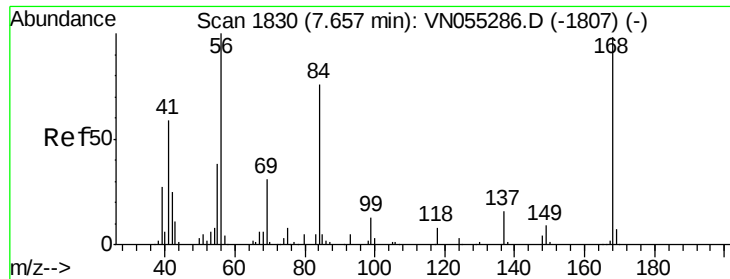
MMDadoda
5/6/2019 10:47:48 AM



#30
Chloroform
Concen: 47.092 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.4	77.2





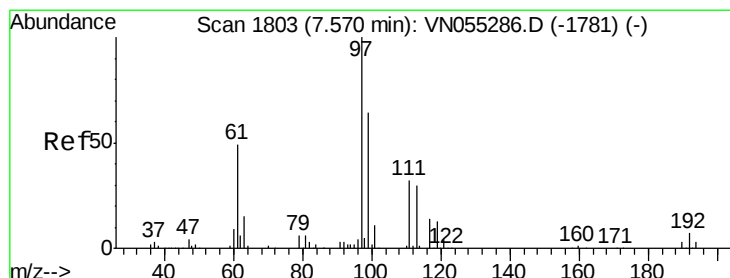
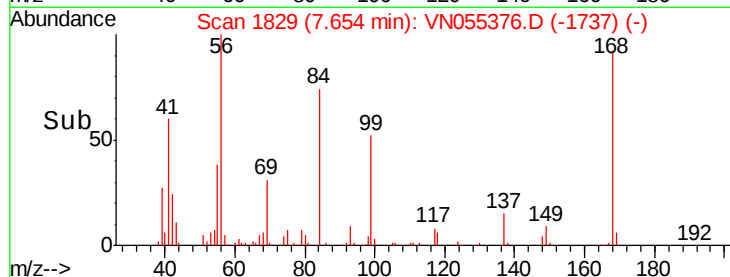
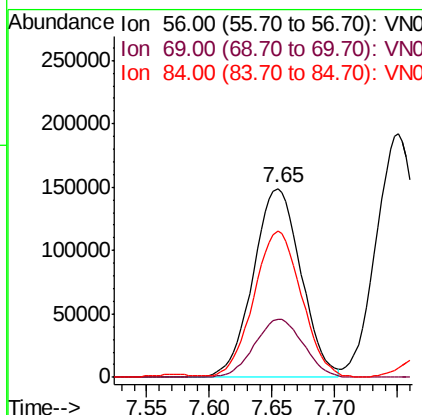
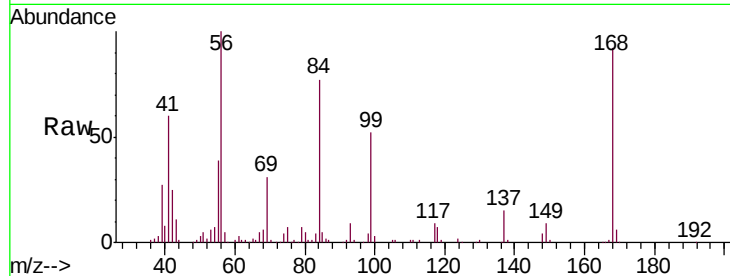
#31
Cyclohexane
Concen: 45.055 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.2	37.8
84	76.4	61.1	91.7

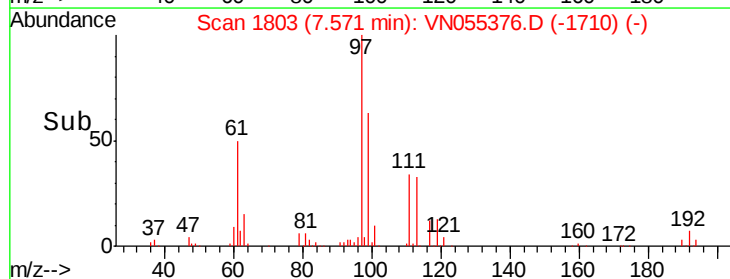
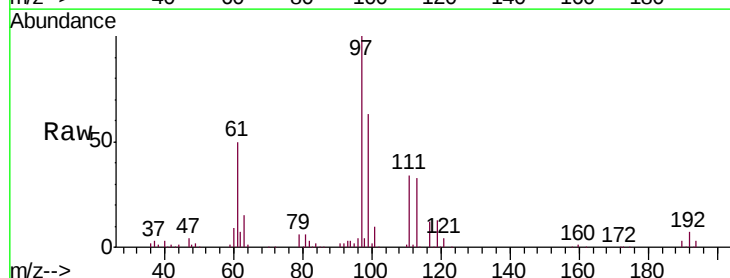
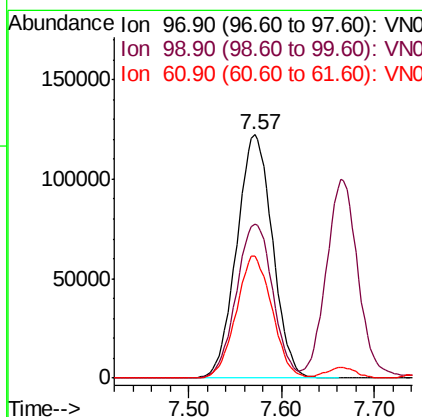
Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:48 AM



#32
1,1,1-Trichloroethane
Concen: 46.188 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	50.0	39.0	58.6





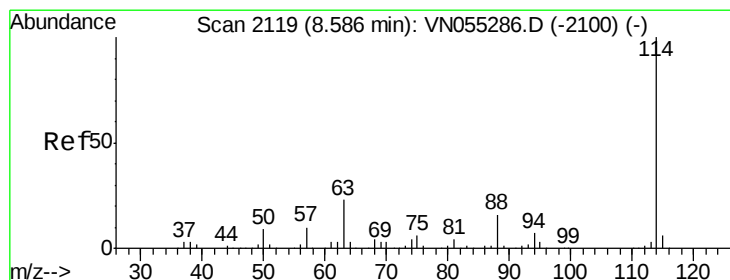
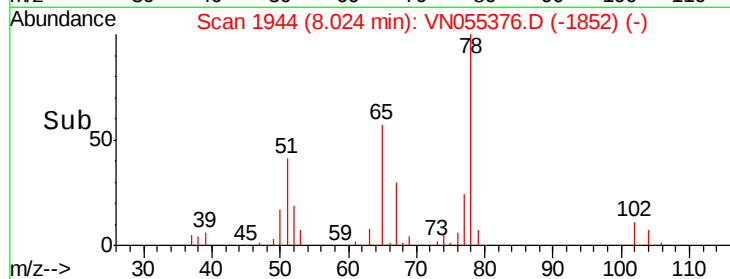
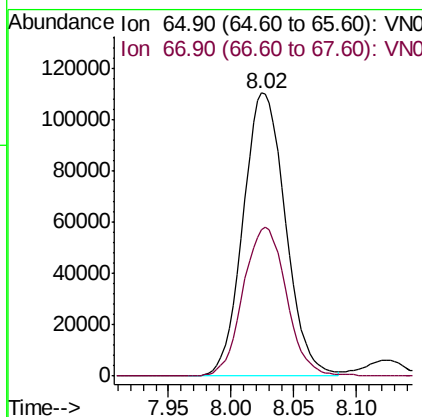
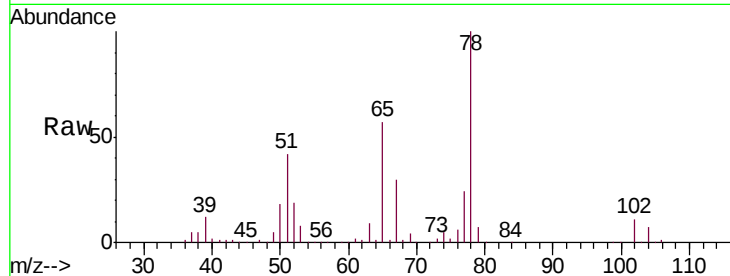
#33
 1,2-Dichloroethane-d4
 Concen: 46.678 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	260302		
67	53.6	0.0	106.8	

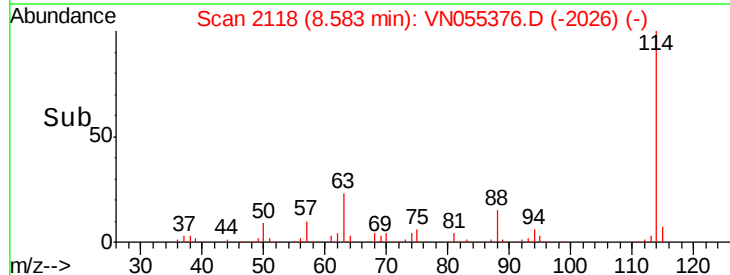
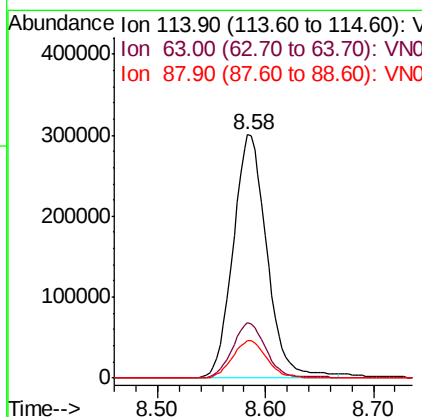
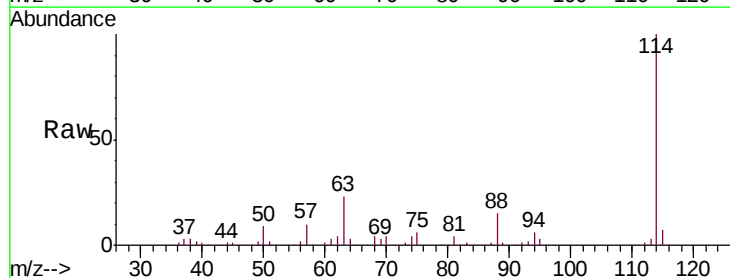
Manual Integrations
 APPROVED

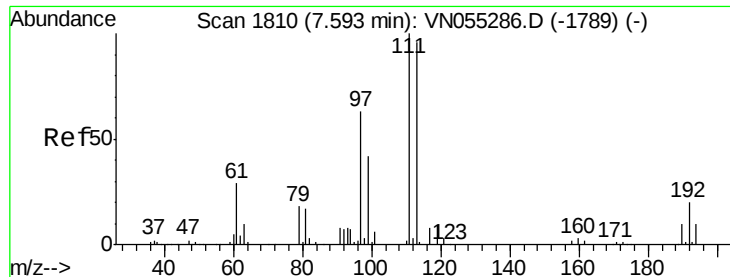
MMDadoda
 5/6/2019 10:47:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	655797		
63	22.7	0.0	45.2	
88	15.3	0.0	31.6	





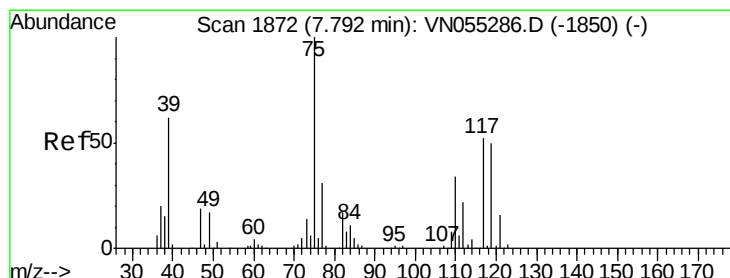
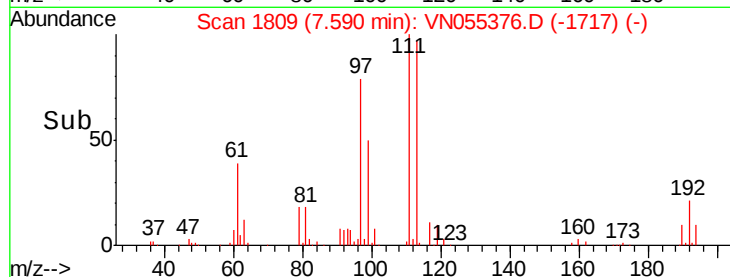
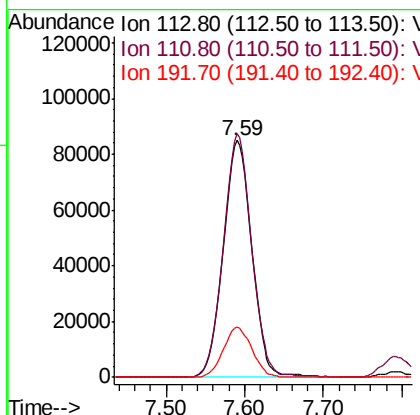
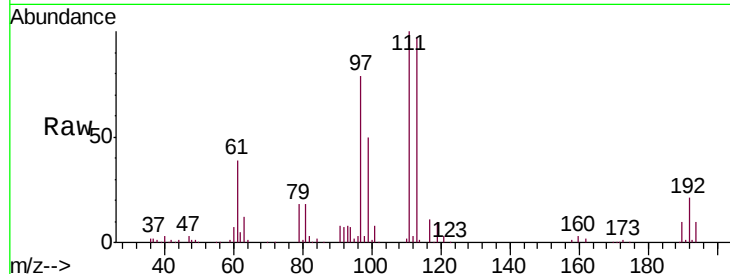
#35
 Dibromofluoromethane
 Concen: 49.593 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	213469		
111	101.3	82.3	123.5	
192	21.1	17.0	25.6	

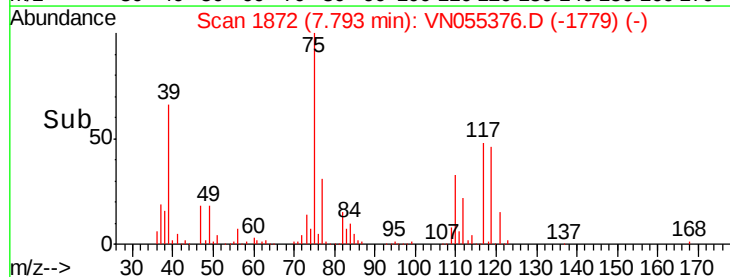
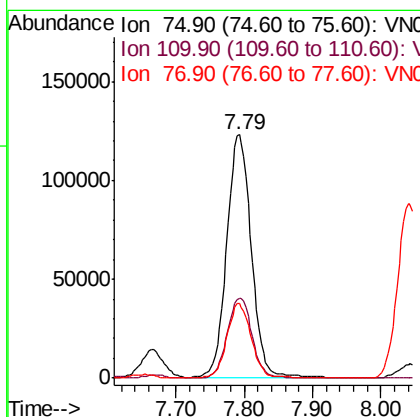
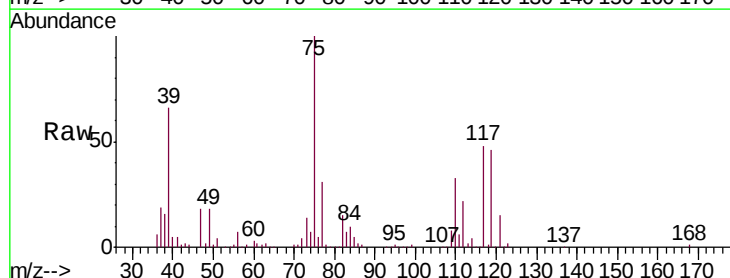
Manual Integrations
 APPROVED

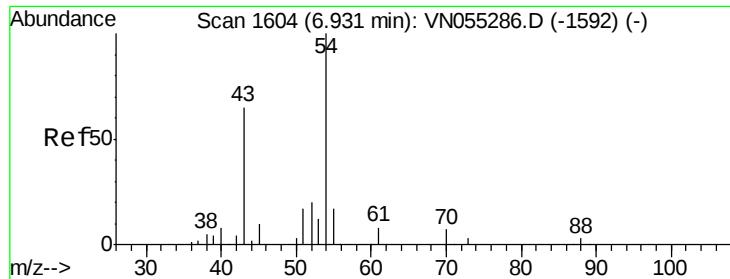
MMDadoda
 5/6/2019 10:47:48 AM



#36
 1,1-Dichloropropene
 Concen: 48.938 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	307404		
110	33.1	16.8	50.4	
77	30.3	25.0	37.6	





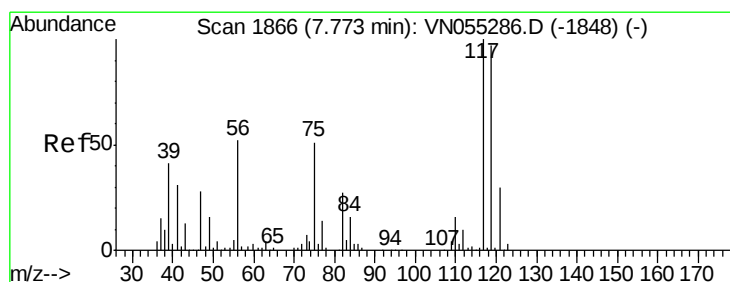
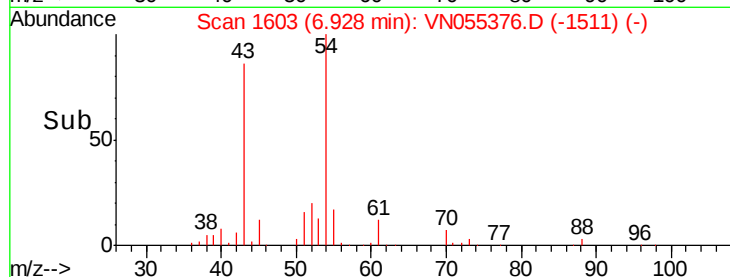
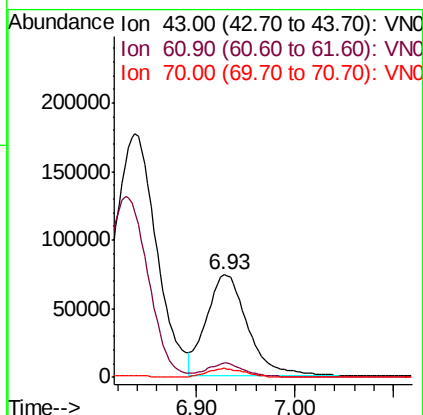
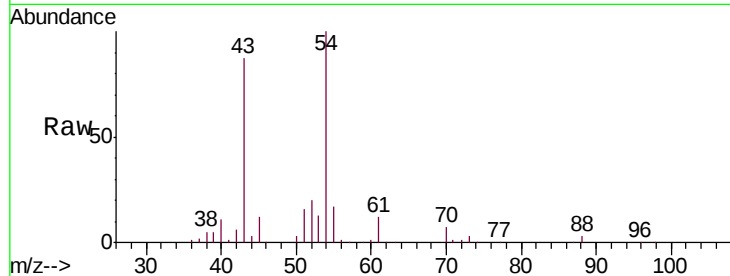
#37
Ethyl Acetate
Concen: 44.733 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.4	15.6
70	8.3	6.6	10.0

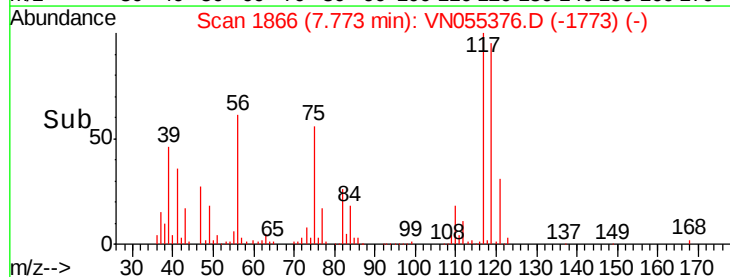
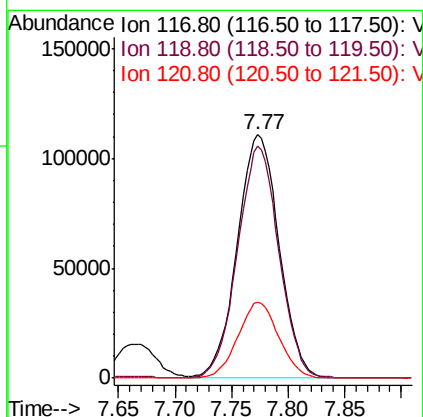
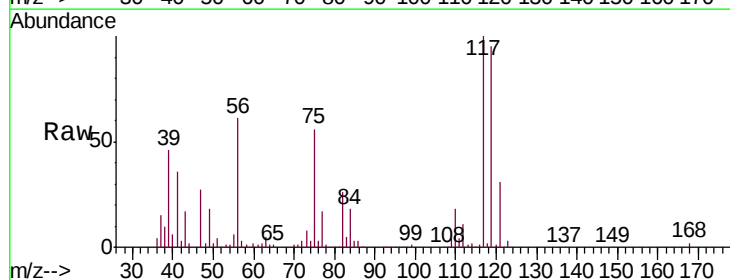
Manual Integrations
APPROVED

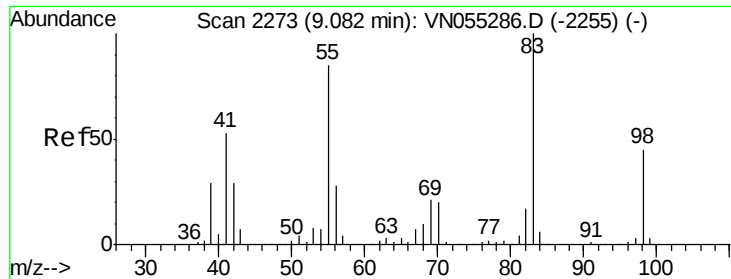
MMDadoda
5/6/2019 10:47:48 AM



#38
Carbon Tetrachloride
Concen: 46.826 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.0	115.6
121	31.2	23.8	35.8





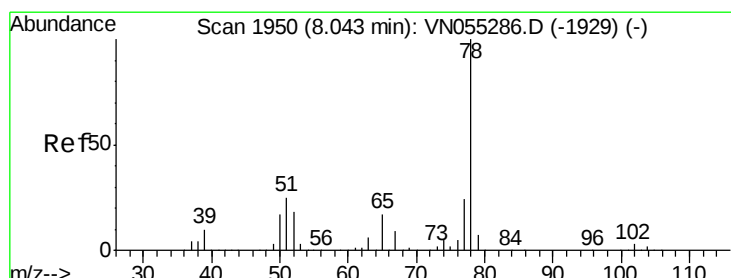
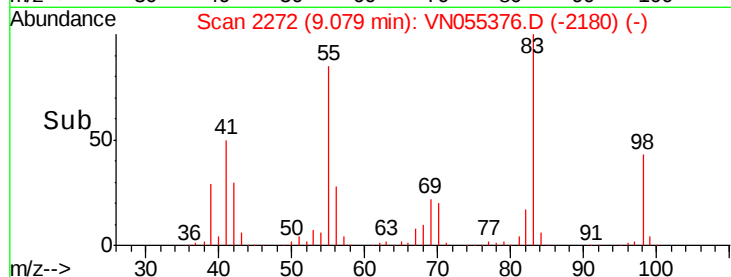
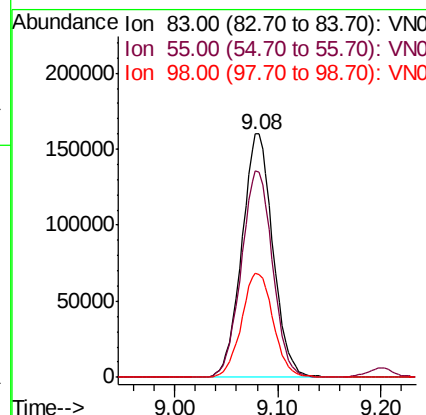
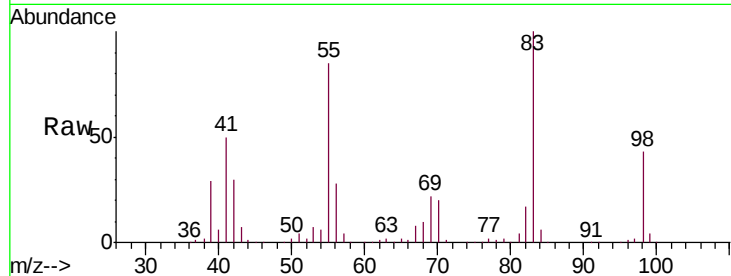
#39
Methylcyclohexane
Concen: 50.132 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.7	67.8	101.6
98	42.7	36.2	54.4

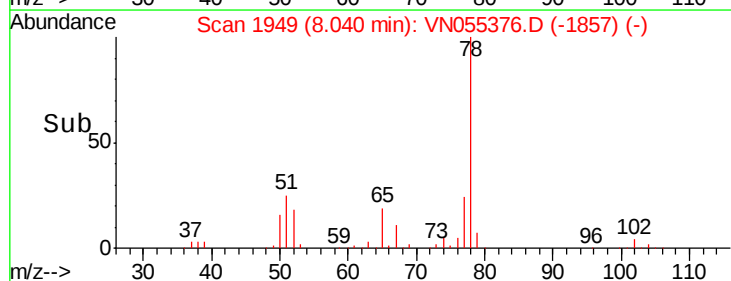
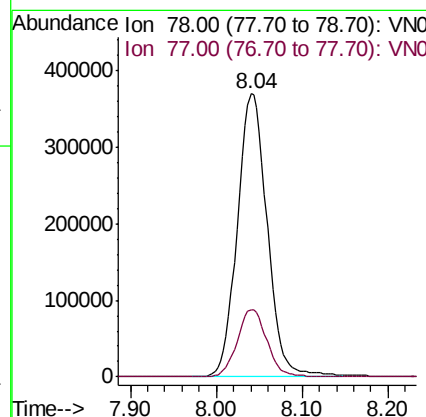
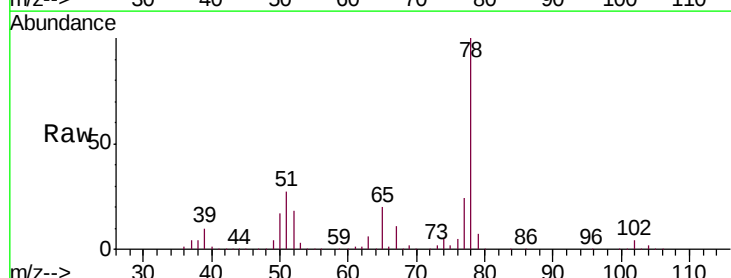
Manual Integrations
APPROVED

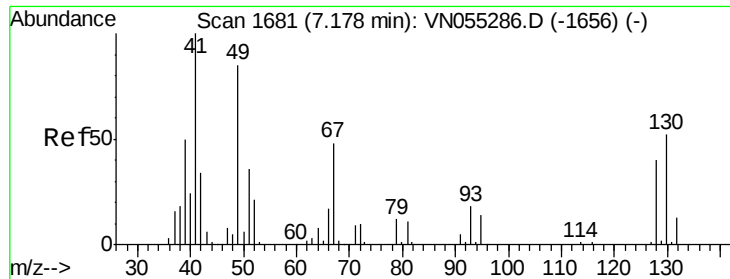
MMDadoda
5/6/2019 10:47:48 AM



#40
Benzene
Concen: 48.196 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





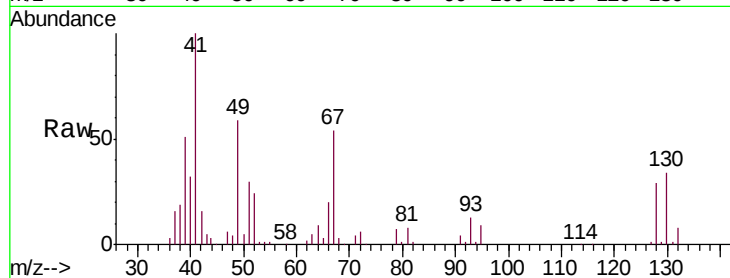
#41
Methacrylonitrile
Concen: 49.082 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.3	48.5	72.7	
67	68.6	54.9	82.3	
52	29.8	24.9	37.3	

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:48 AM



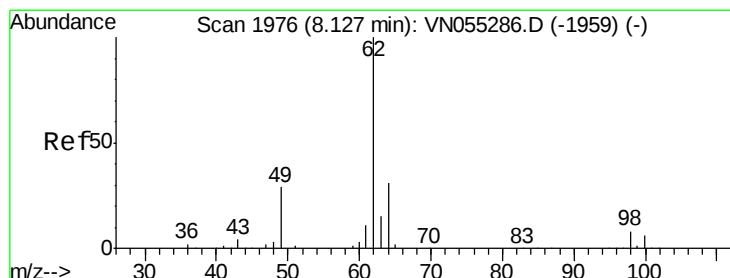
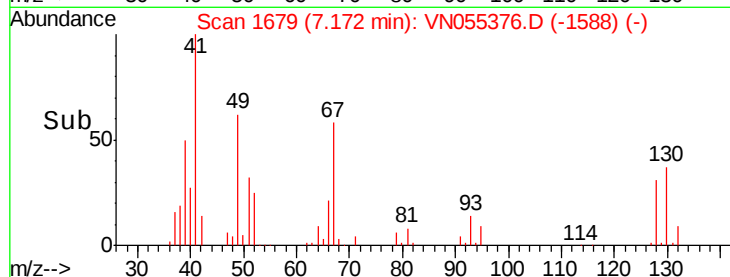
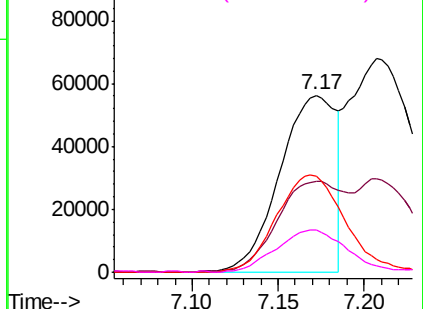
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

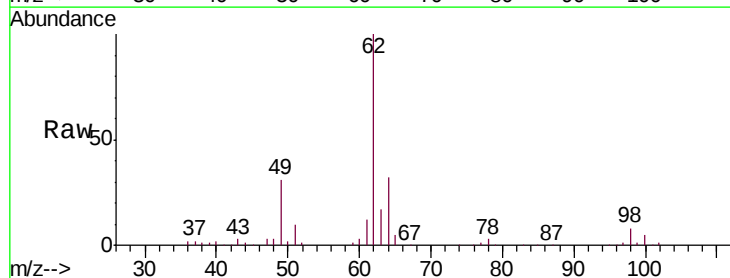
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42
1,2-Dichloroethane
Concen: 47.402 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

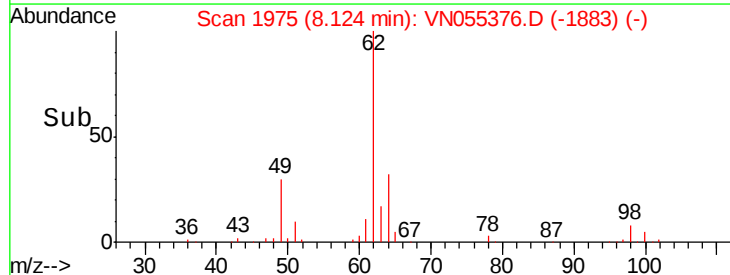
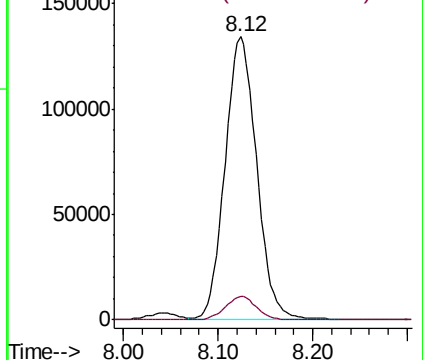
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.4	

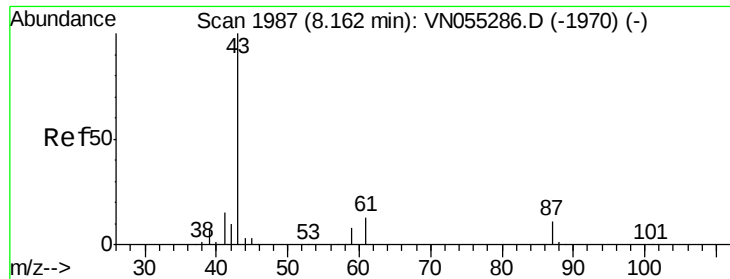


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 49.122 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

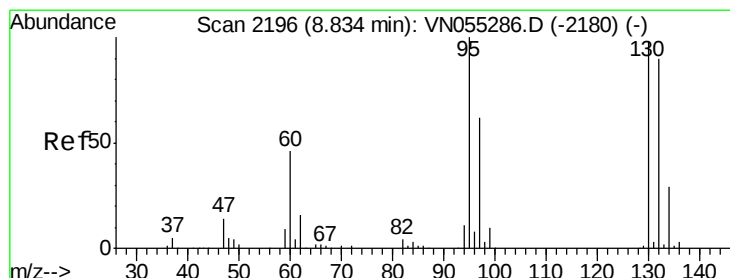
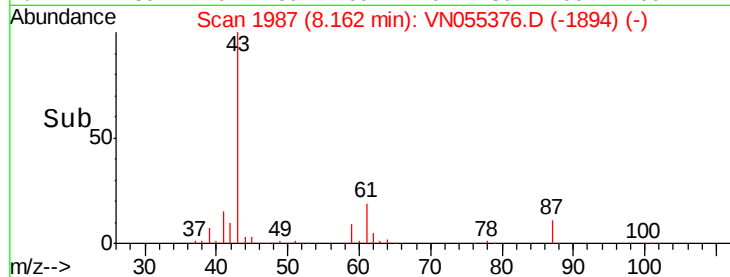
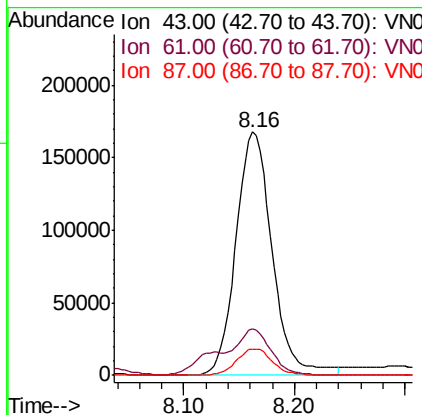
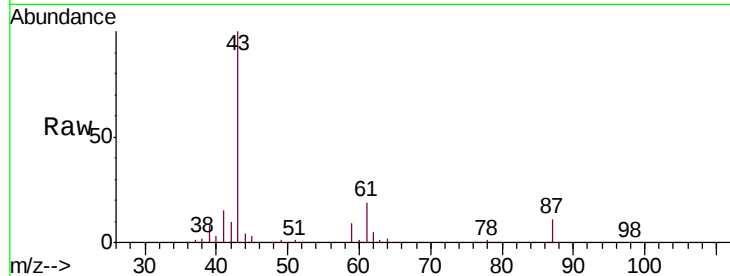
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	380050
Ion	Ratio	Lower	Upper
43	100		
61	17.6	20.8	31.2#
87	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:48 AM



#44

Trichloroethene

Concen: 48.229 ug/l

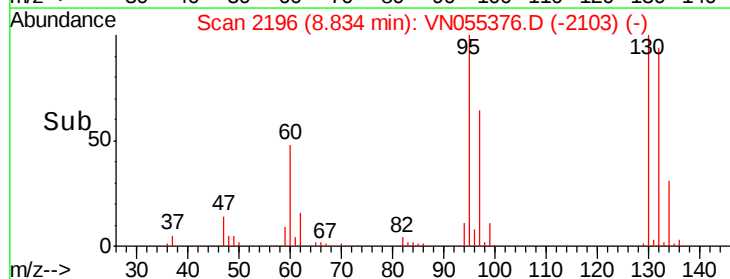
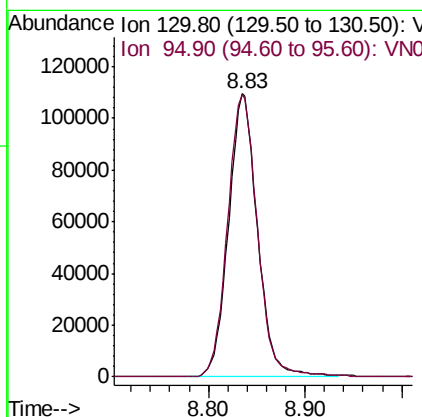
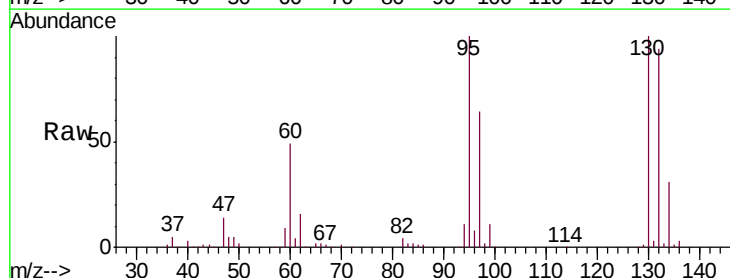
RT: 8.83 min Scan# 2196

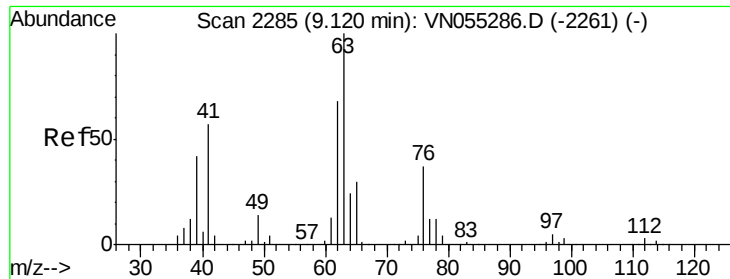
Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Tgt Ion:	130	Resp:	227674
Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	203.4





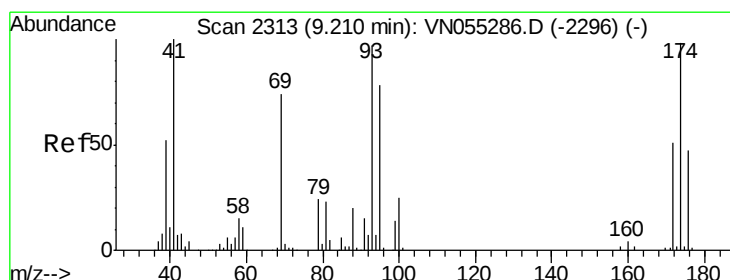
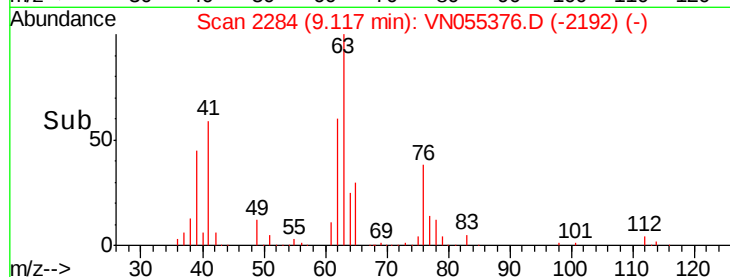
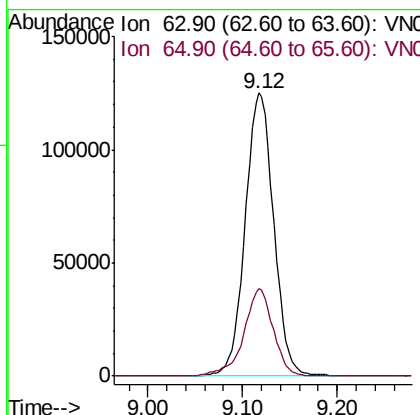
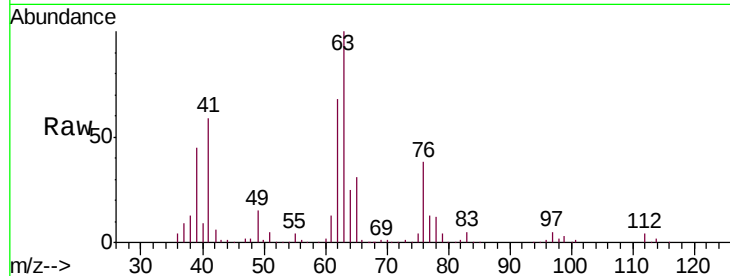
#45
 1,2-Dichloropropane
 Concen: 49.071 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 262077
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.9 35.9

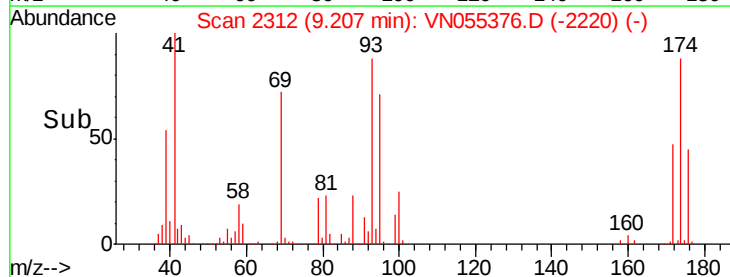
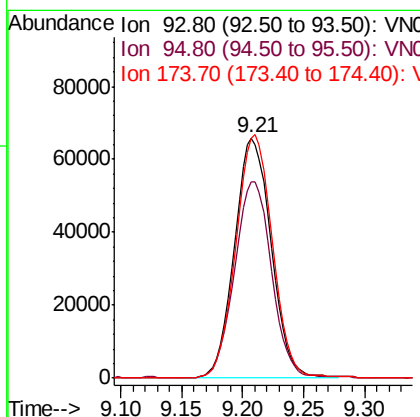
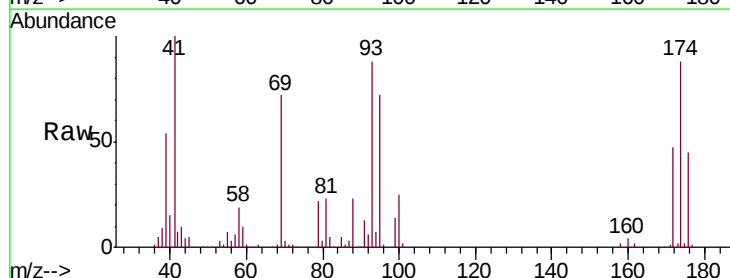
Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 10:47:48 AM



#46
 Dibromomethane
 Concen: 47.027 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion: 93 Resp: 137285
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.7 98.5
 174 101.1 81.5 122.3





#47

Bromodichloromethane

Concen: 49.472 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

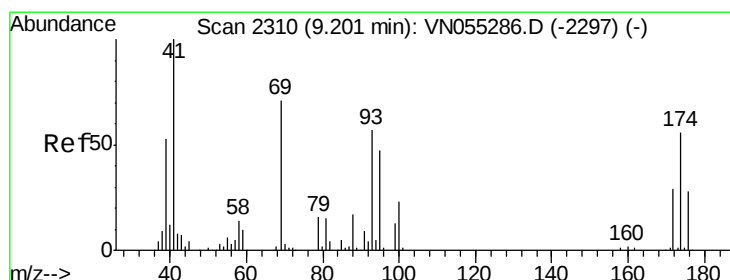
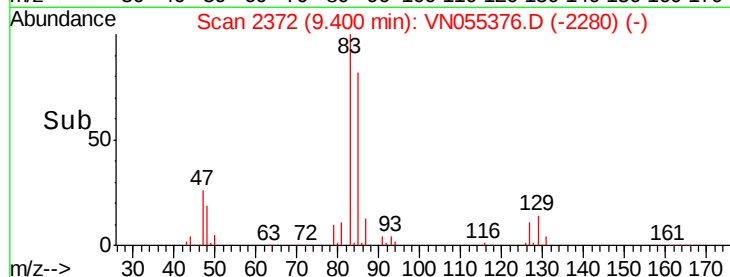
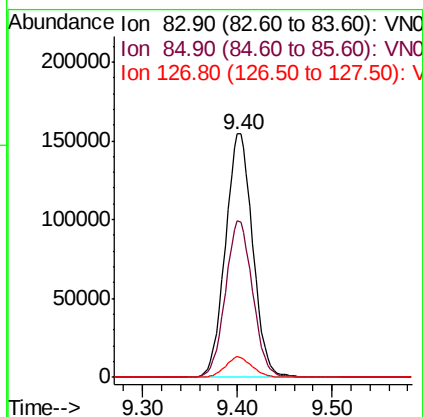
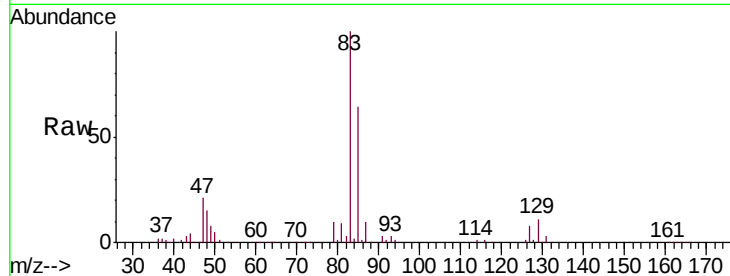
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	309830
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.1	75.1
127	8.5	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:48 AM



#48

Methyl methacrylate

Concen: 47.651 ug/l

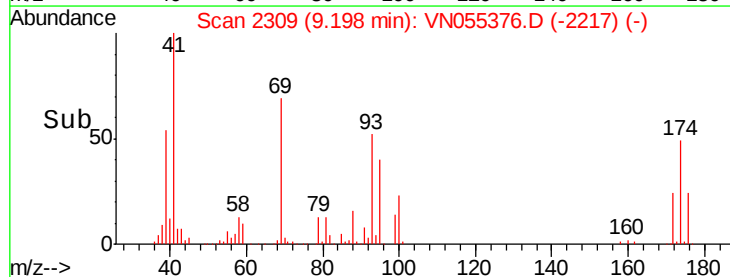
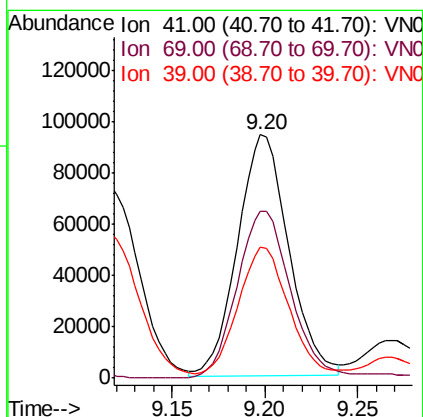
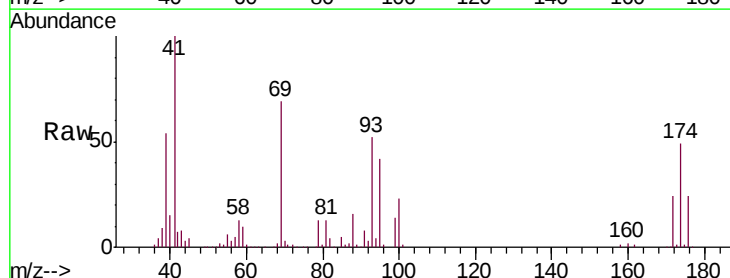
RT: 9.20 min Scan# 2309

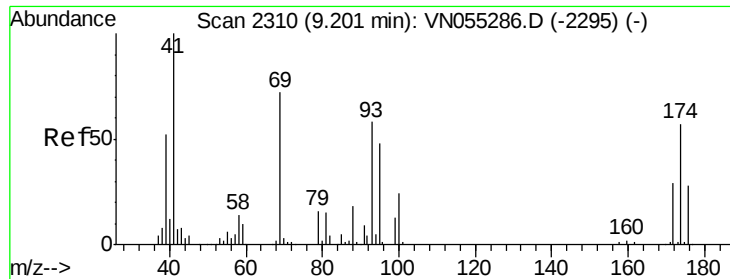
Delta R.T. -0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Tgt Ion:	41	Resp:	181236
Ion Ratio	Lower	Upper	
41	100		
69	72.1	58.6	87.8
39	54.0	43.8	65.6





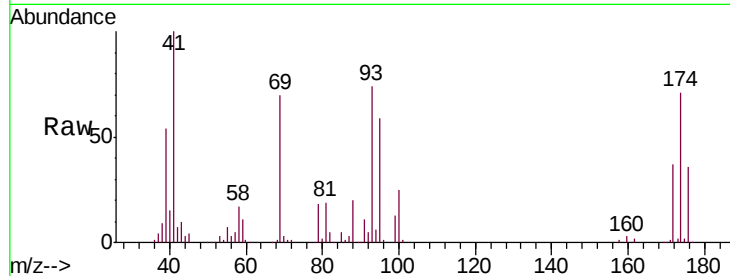
#49
1,4-Dioxane
Concen: 941.393 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

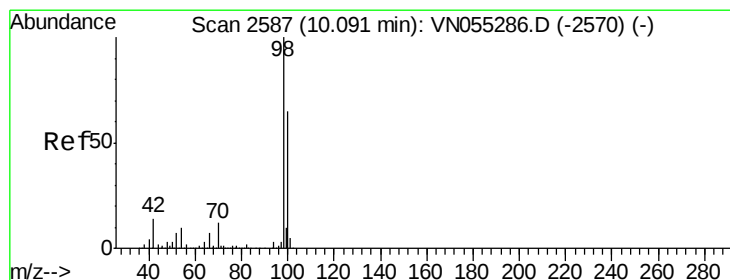
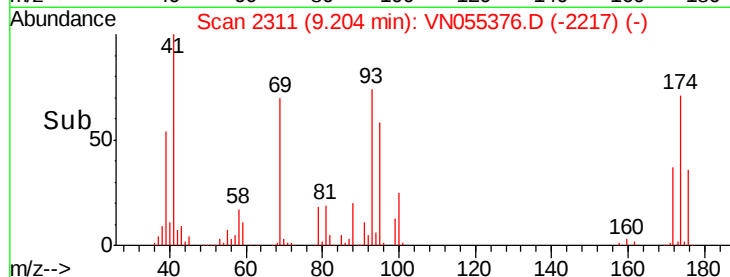
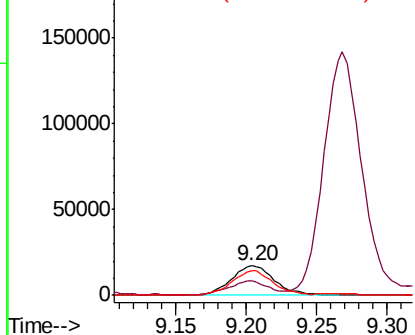
Tgt Ion	Ratio	Lower	Upper
88	100		
43	42.4	33.3	49.9
58	79.1	62.7	94.1

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:48 AM

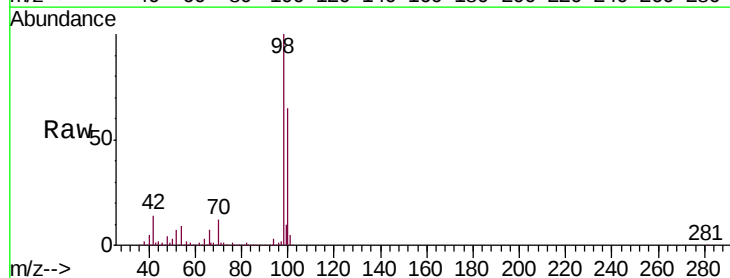


Abundance Ion 88.00 (87.70 to 88.70): VN055376.D (-2217) (-)
Ion 43.00 (42.70 to 43.70): VN055376.D (-2217) (-)
Ion 58.00 (57.70 to 58.70): VN055376.D (-2217) (-)

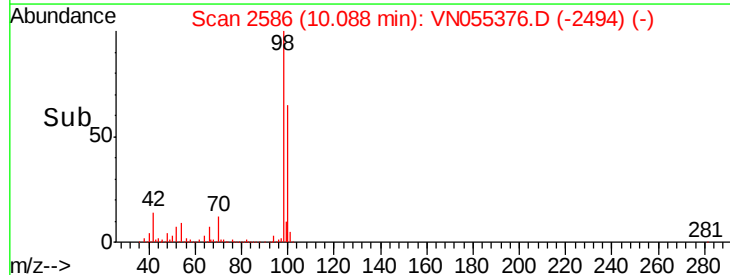
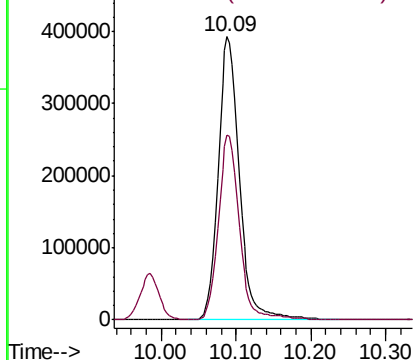


#50
Toluene-d8
Concen: 49.478 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055376.D (-2494) (-)
Ion 100.00 (99.70 to 100.70): VN055376.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 232.328 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1012004

Ion Ratio Lower Upper

43 100

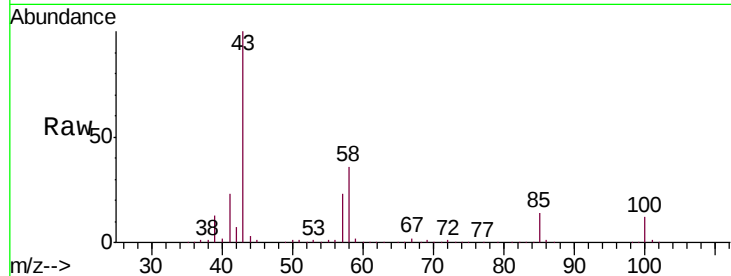
58 35.1 28.5 42.7

Manual Integrations

APPROVED

MMDadoda

5/6/2019 10:47:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

500000

400000

300000

200000

100000

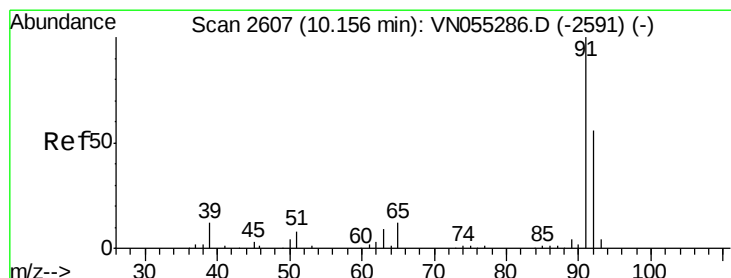
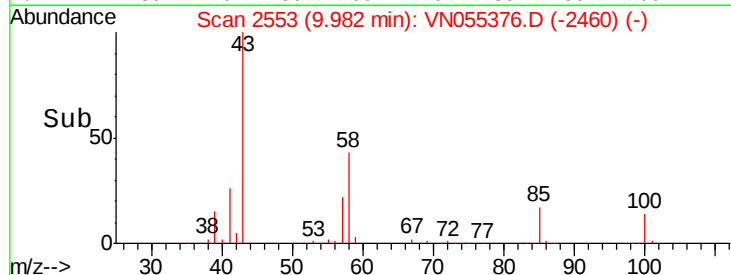
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 49.523 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055376.D

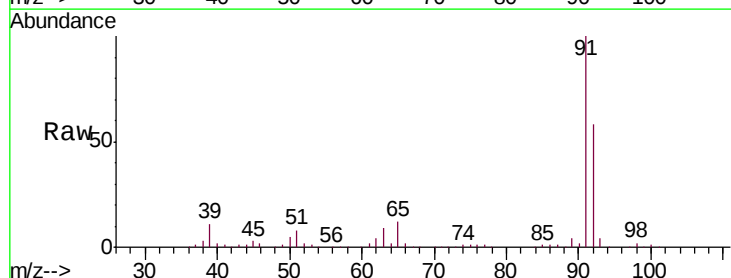
Acq: 3 May 2019 9:24

Tgt Ion: 92 Resp: 526174

Ion Ratio Lower Upper

92 100

91 174.3 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

300000

200000

100000

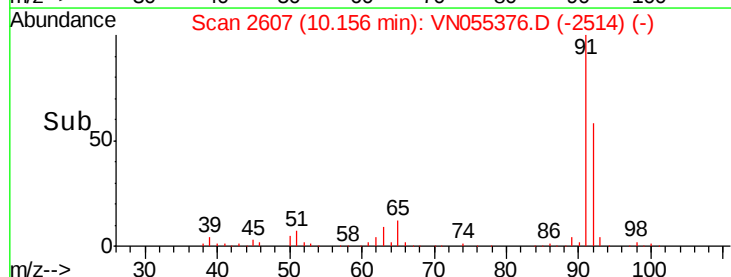
0

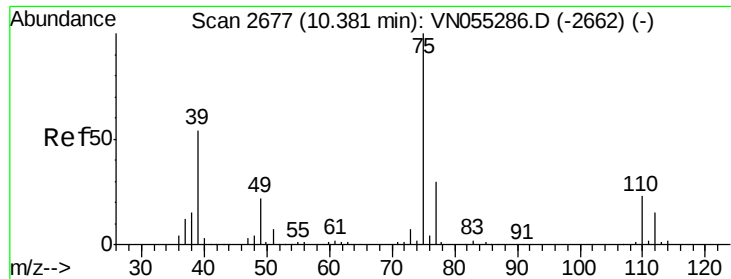
10.10

10.20

10.30

Time-->





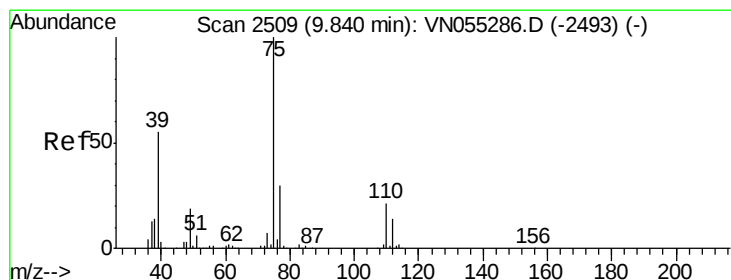
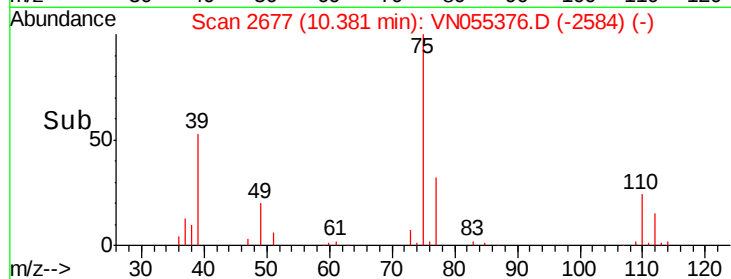
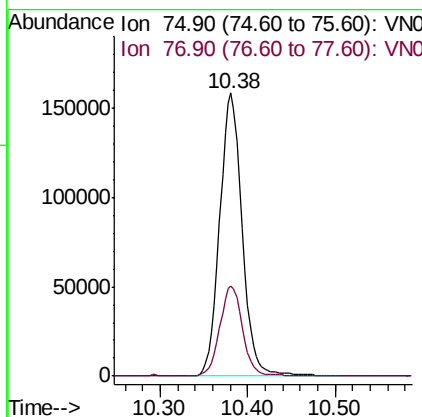
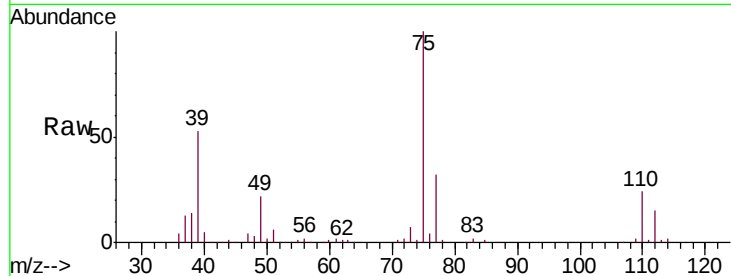
#53
t-1,3-Dichloropropene
Concen: 52.009 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 282757
Ion Ratio Lower Upper
75 100
77 31.9 24.4 36.6

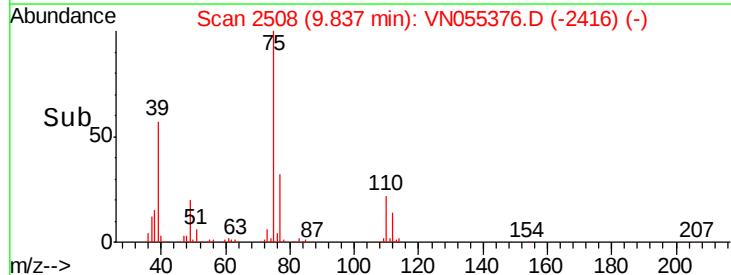
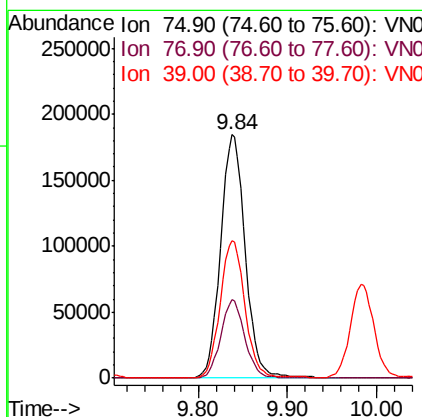
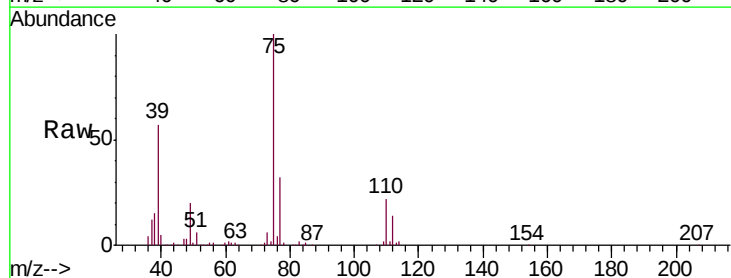
Manual Integrations
APPROVED

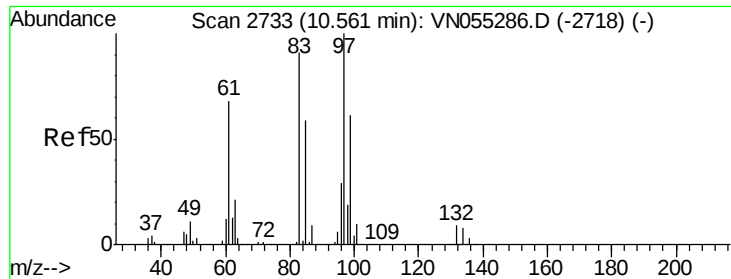
MMDadoda
5/6/2019 10:47:48 AM



#54
cis-1,3-Dichloropropene
Concen: 52.029 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion: 75 Resp: 352679
Ion Ratio Lower Upper
75 100
77 32.2 24.2 36.2
39 56.6 44.2 66.2





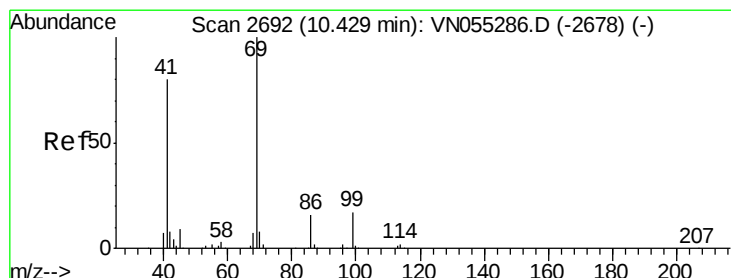
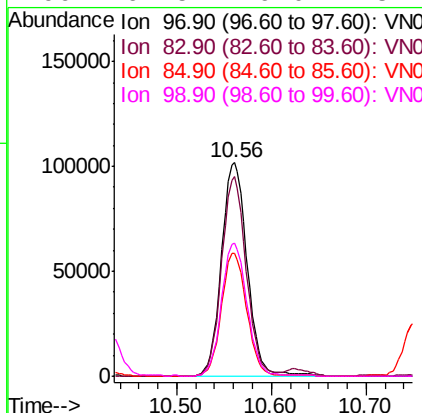
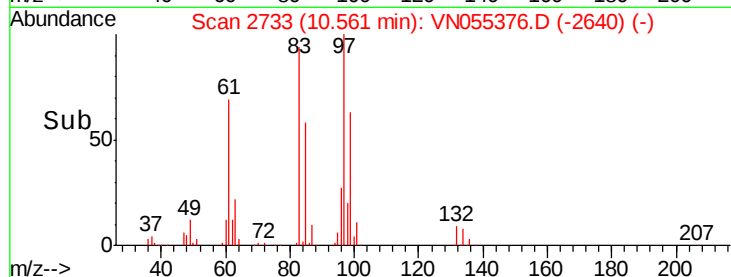
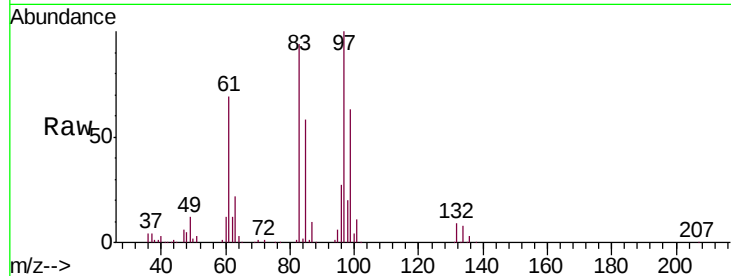
#55
 1,1,2-Trichloroethane
 Concen: 48.885 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	192873		
83	93.7	72.8	109.2	
85	57.6	47.0	70.6	
99	62.5	49.0	73.4	

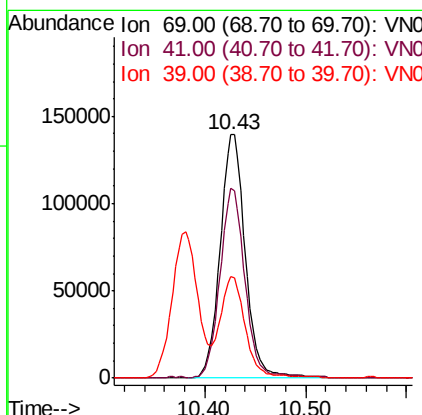
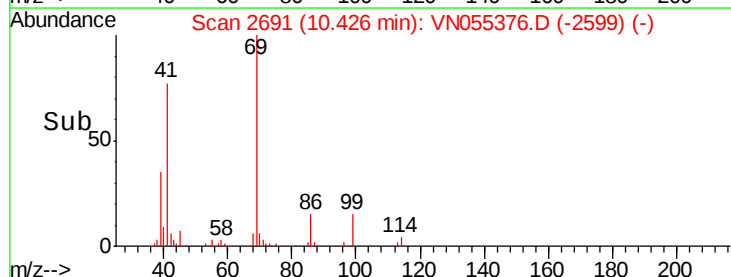
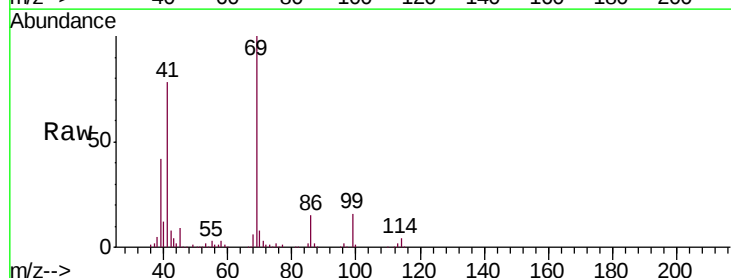
Manual Integrations
 APPROVED

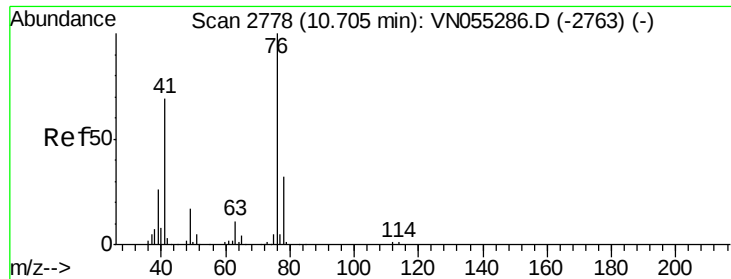
MMDadoda
 5/6/2019 10:47:48 AM



#56
 Ethyl methacrylate
 Concen: 50.116 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	243371		
41	76.8	62.7	94.1	
39	40.8	32.0	48.0	





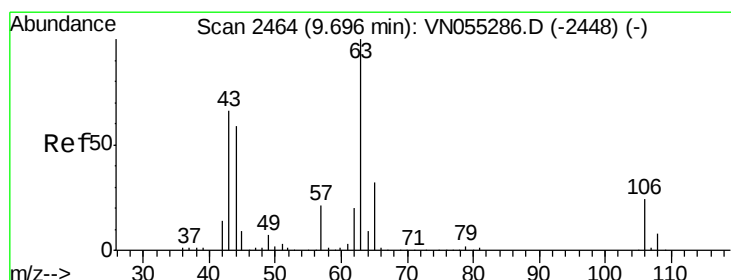
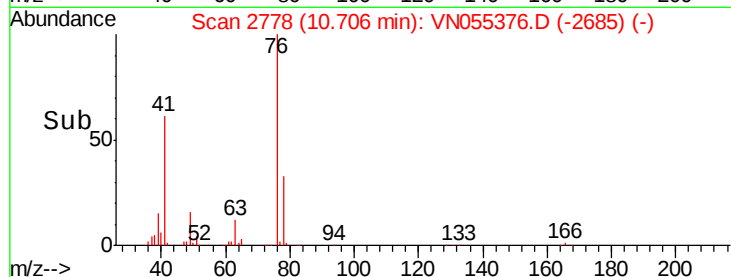
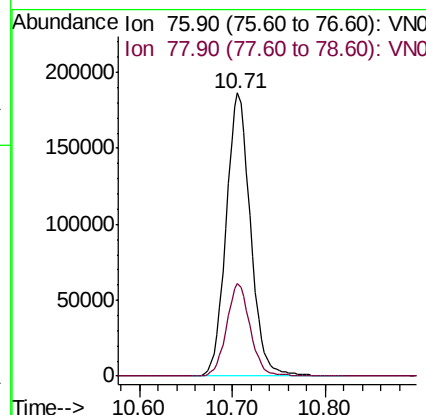
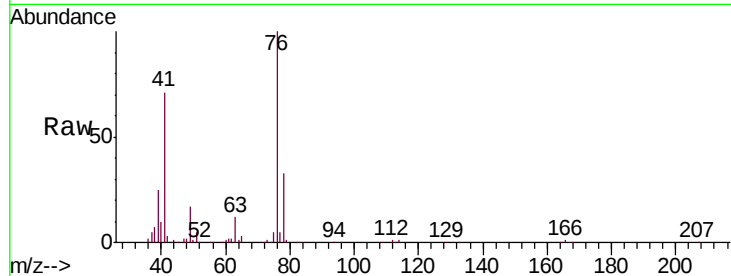
#57
 1,3-Dichloropropane
 Concen: 48.938 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 338719
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4

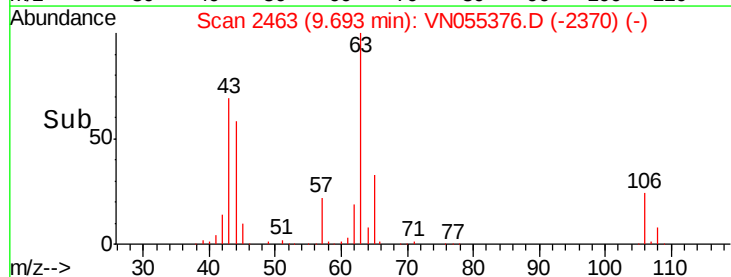
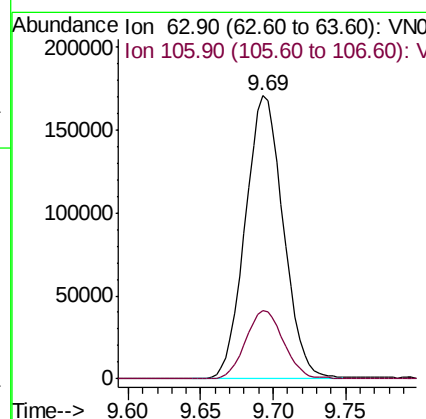
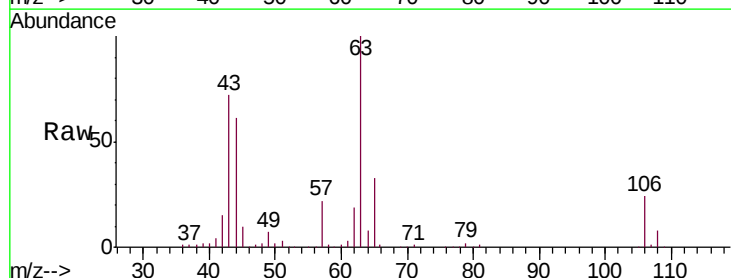
Manual Integrations
 APPROVED

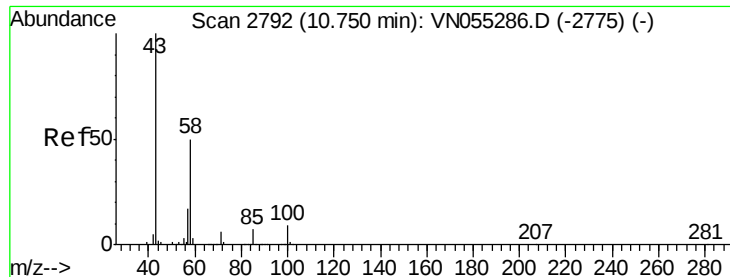
MMDadoda
 5/6/2019 10:47:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 208.923 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion: 63 Resp: 311638
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.0 28.4





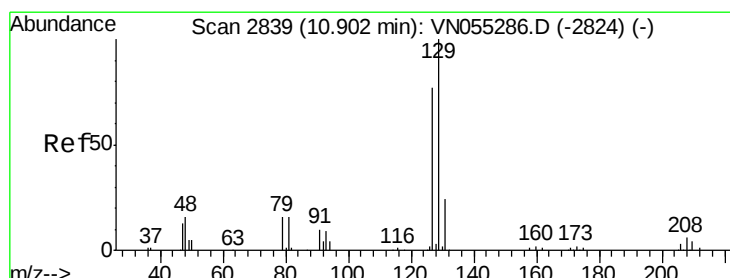
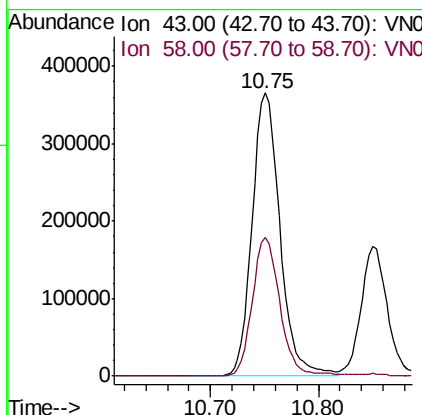
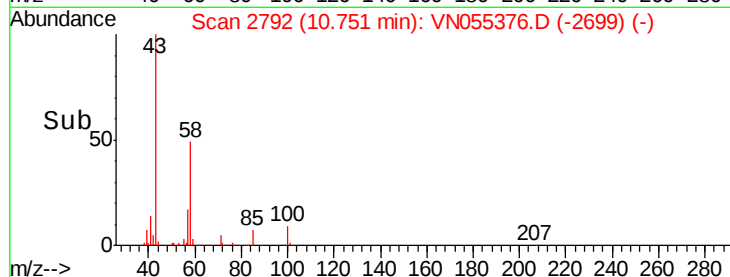
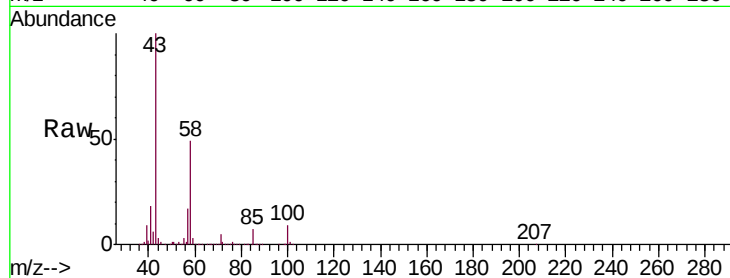
#59
2-Hexanone
Concen: 240.350 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 655060
Ion Ratio Lower Upper
43 100
58 48.9 24.9 74.6

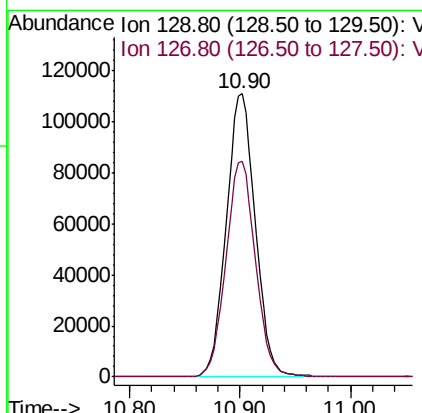
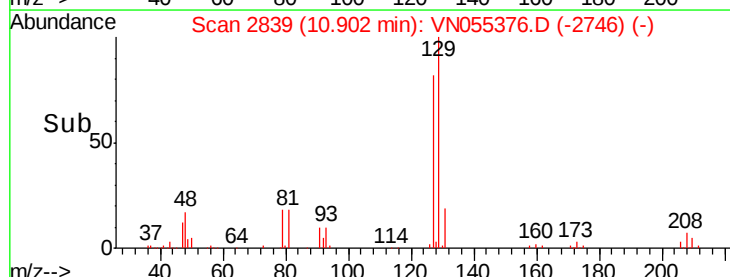
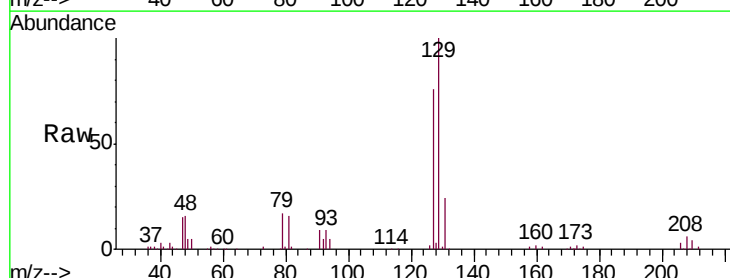
Manual Integrations
APPROVED

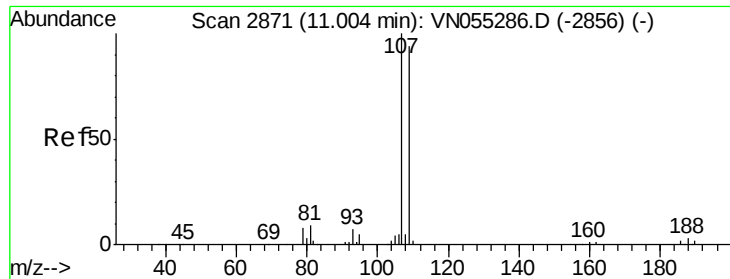
MMDadoda
5/6/2019 10:47:48 AM



#60
Dibromochloromethane
Concen: 50.320 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion: 129 Resp: 202910
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.5





#61

1,2-Dibromoethane

Concen: 48.424 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 176587

Ion Ratio Lower Upper

107 100

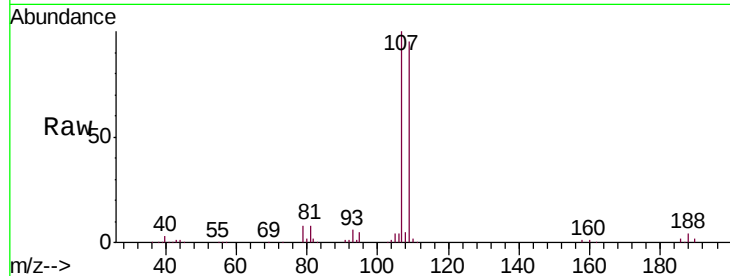
109 94.0 75.0 112.6

Manual Integrations

APPROVED

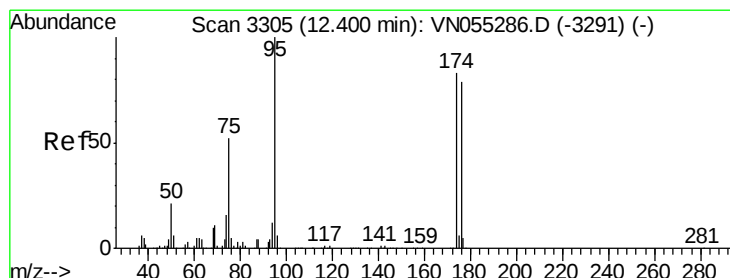
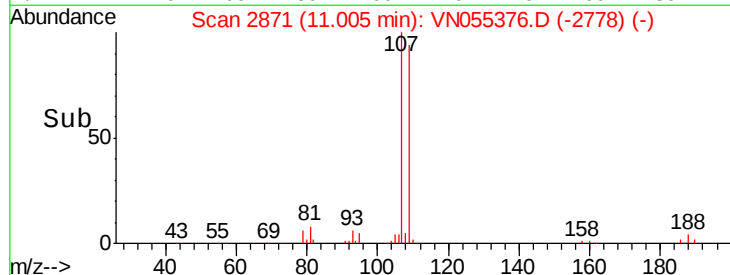
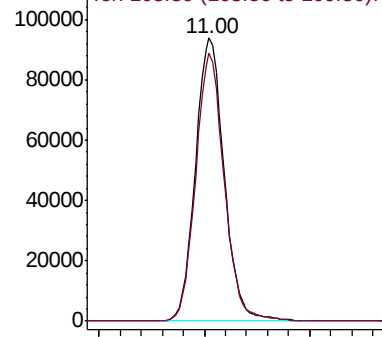
MMDadoda

5/6/2019 10:47:48 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.989 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

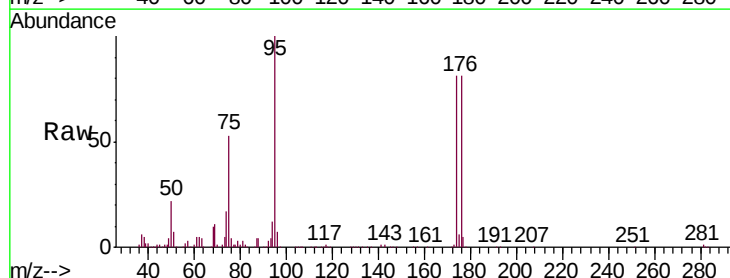
Tgt Ion: 95 Resp: 257403

Ion Ratio Lower Upper

95 100

174 82.7 0.0 166.6

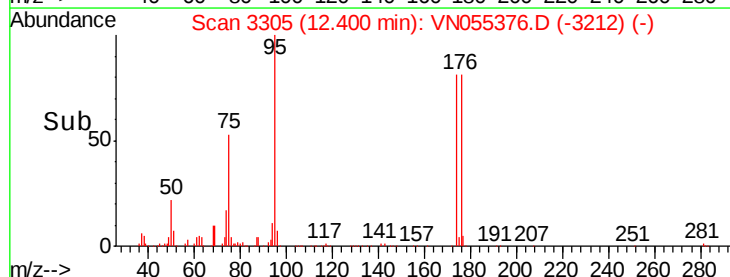
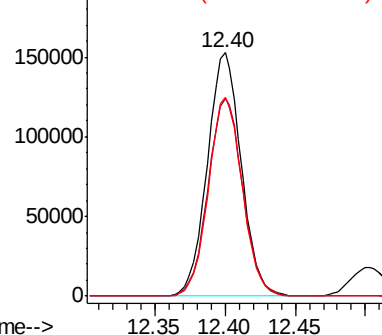
176 81.3 0.0 157.8

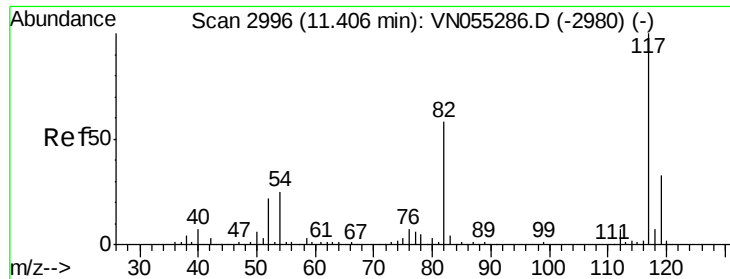


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





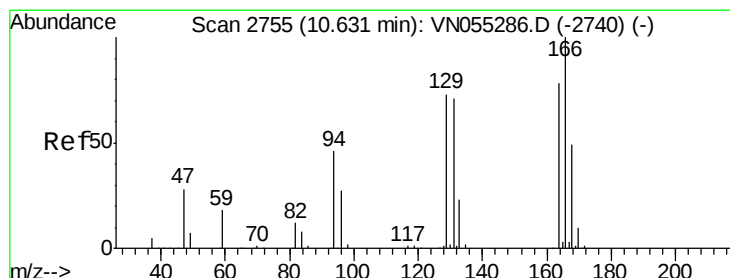
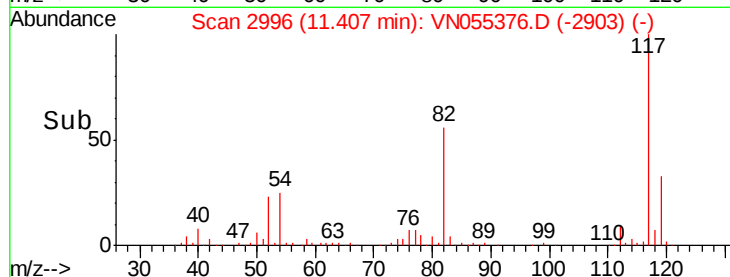
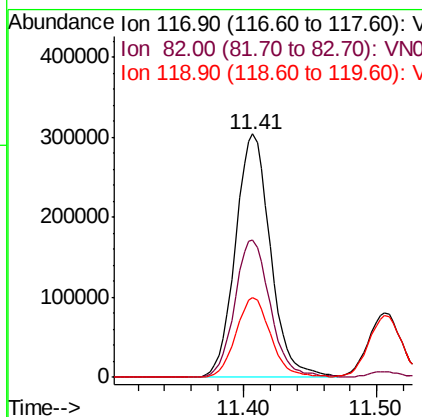
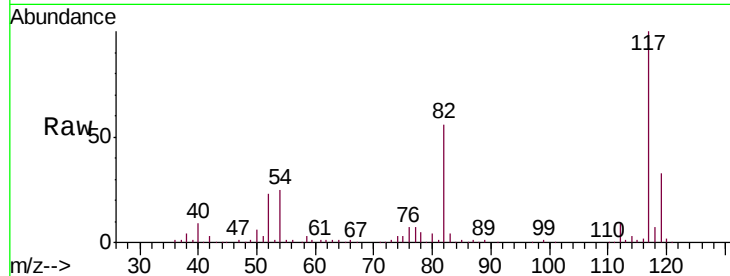
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	558978		
82	56.4	46.2	69.4	
119	32.7	26.6	40.0	

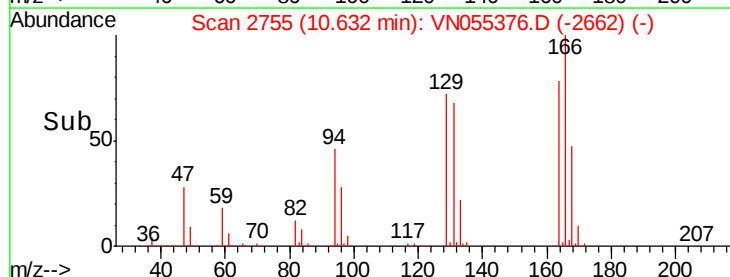
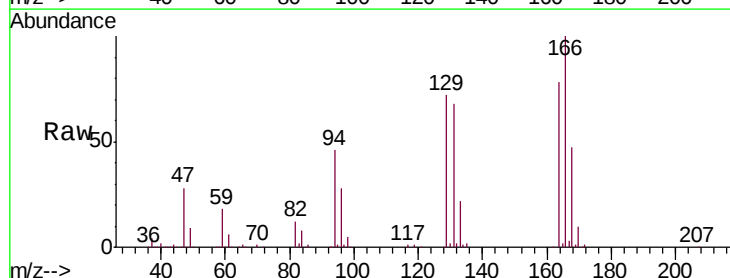
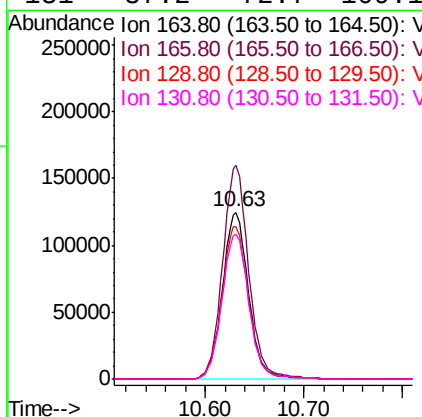
Manual Integrations
APPROVED

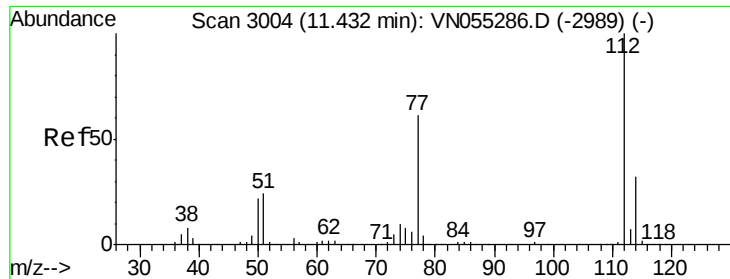
MMDadoda
5/6/2019 10:47:48 AM



#64
Tetrachloroethene
Concen: 50.692 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	231724		
166	128.2	102.3	153.5	
129	91.8	75.0	112.6	
131	87.2	72.7	109.1	





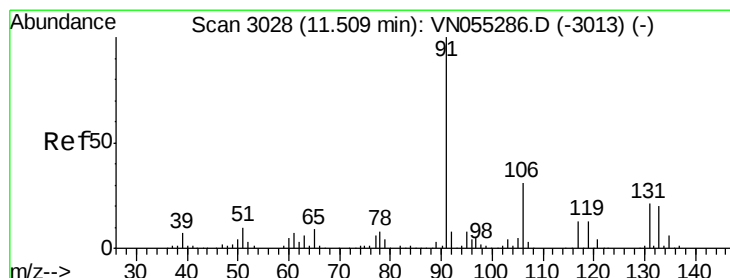
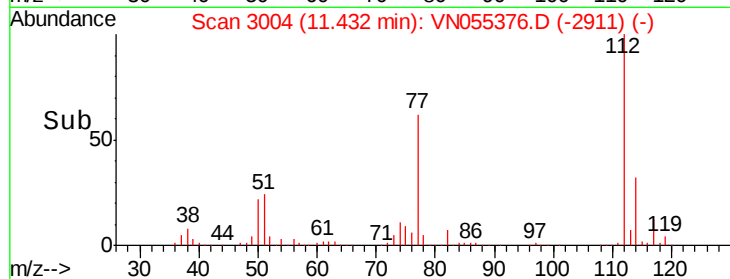
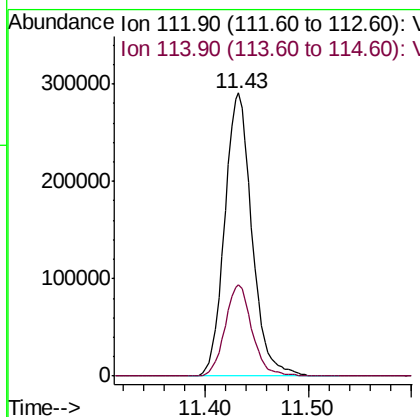
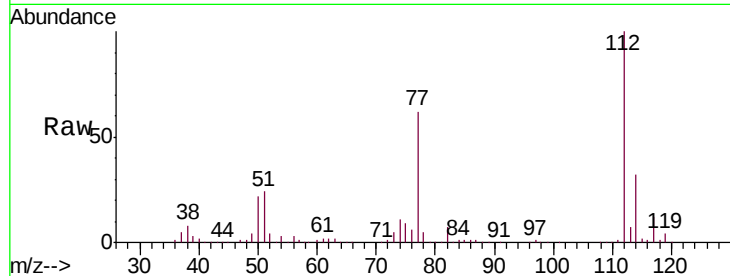
#65
Chlorobenzene
Concen: 48.955 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 535019
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

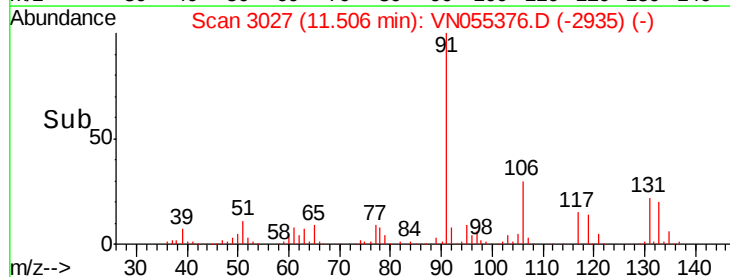
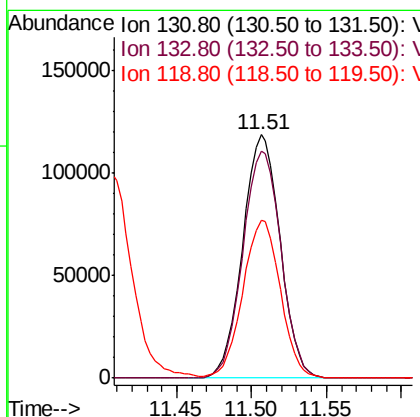
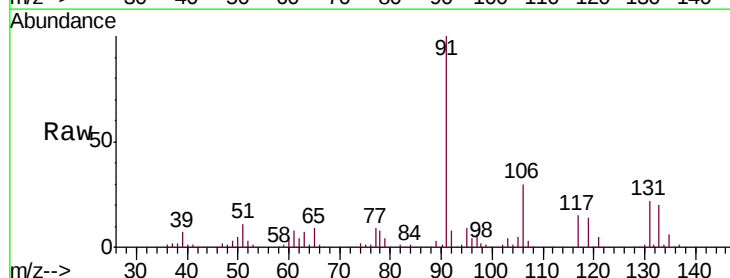
Manual Integrations
APPROVED

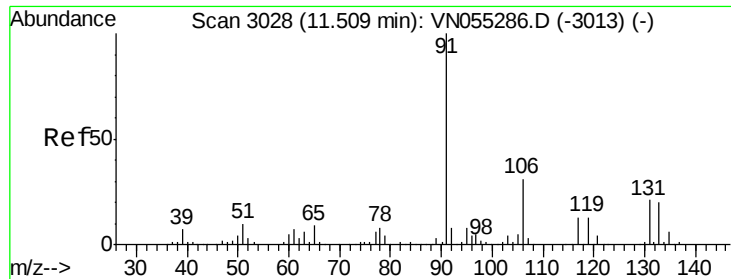
MMDadoda
5/6/2019 10:47:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.224 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion:131 Resp: 206368
Ion Ratio Lower Upper
131 100
133 95.4 47.5 142.6
119 65.2 32.7 98.1





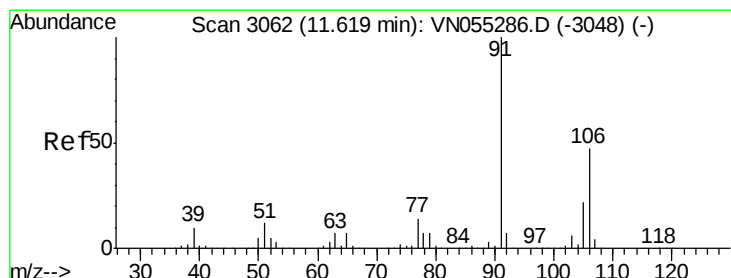
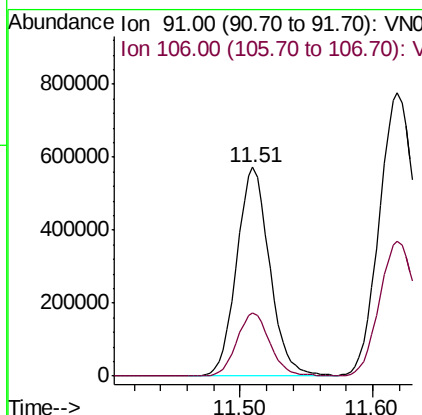
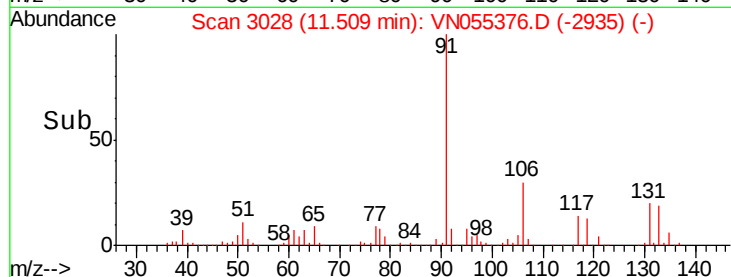
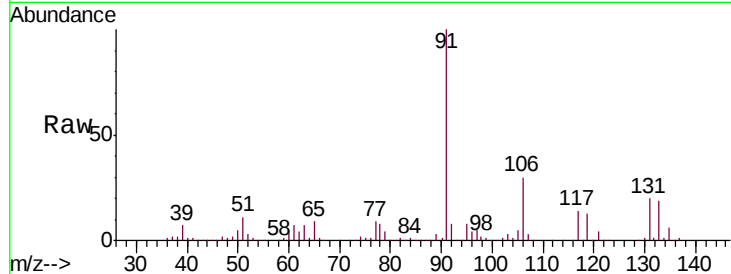
#67
Ethyl Benzene
Concen: 50.041 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 91 Resp: 987574
Ion Ratio Lower Upper
91 100
106 30.5 24.6 36.8

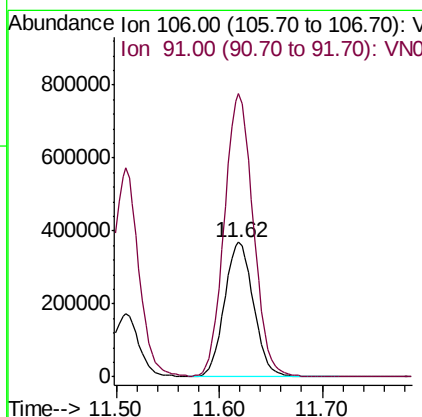
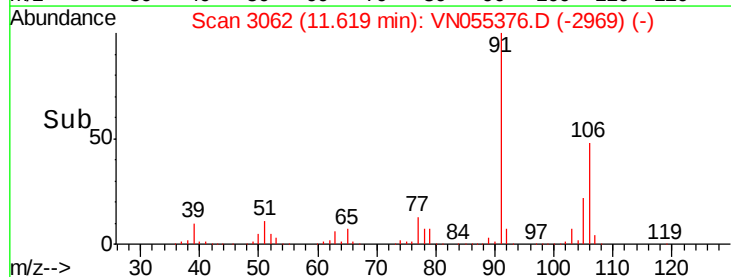
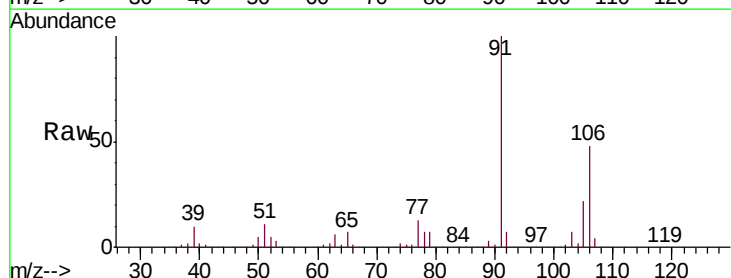
Manual Integrations
APPROVED

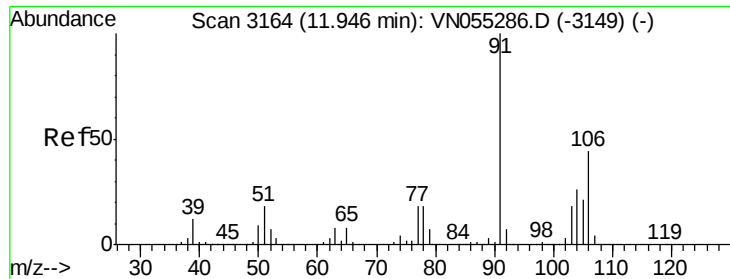
MMDadoda
5/6/2019 10:47:48 AM



#68
m/p-Xylenes
Concen: 102.950 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion: 106 Resp: 725215
Ion Ratio Lower Upper
106 100
91 209.2 169.5 254.3





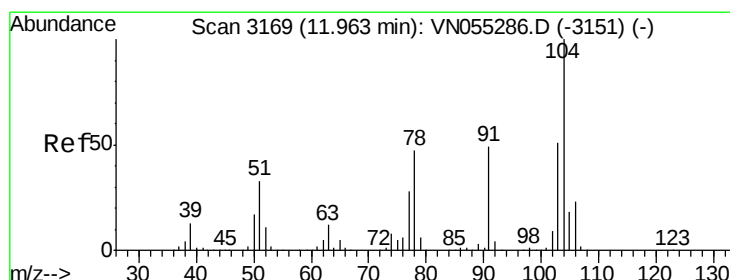
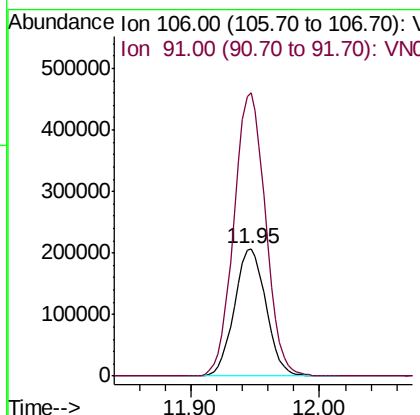
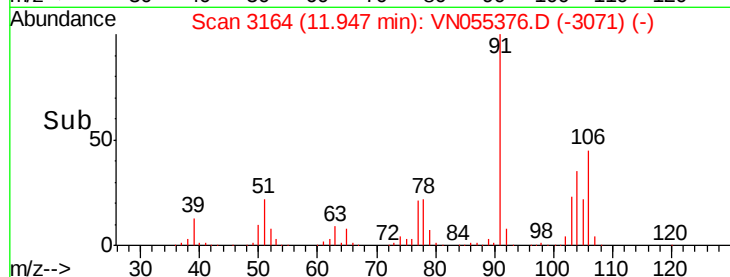
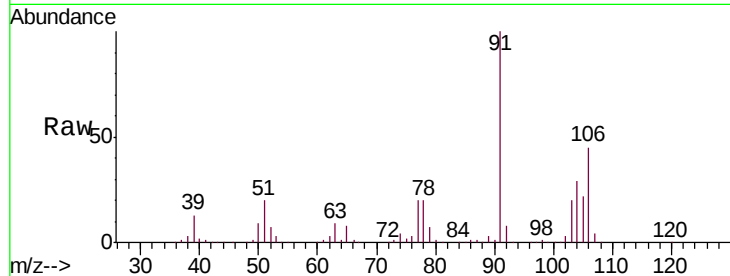
#69
o-Xylene
Concen: 50.482 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:106 Resp: 352471
Ion Ratio Lower Upper
106 100
91 222.5 111.5 334.5

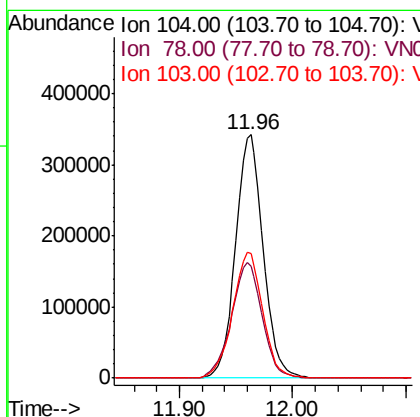
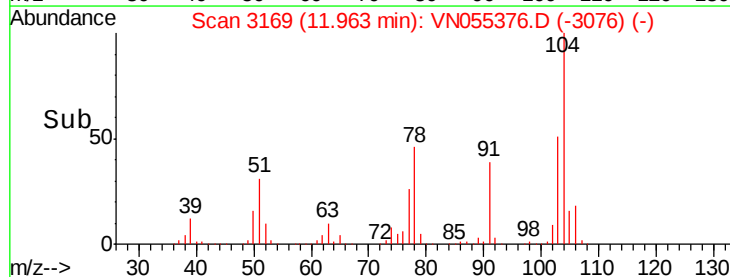
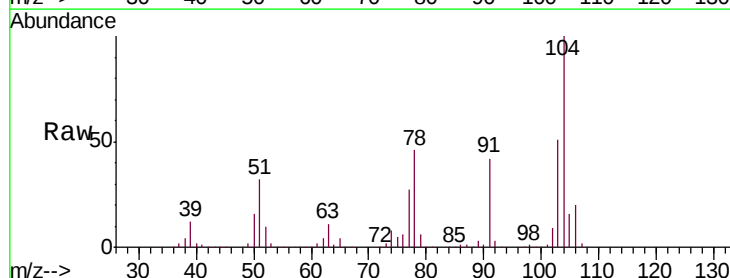
Manual Integrations
APPROVED

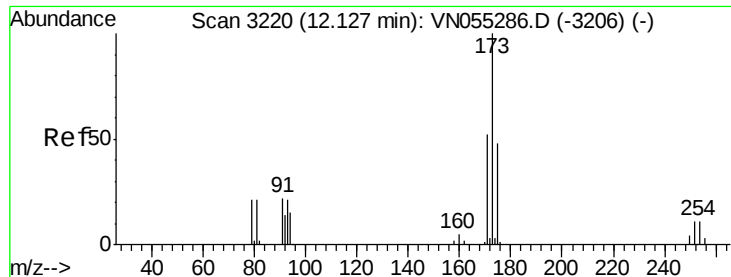
MMDadoda
5/6/2019 10:47:48 AM



#70
Styrene
Concen: 54.228 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion:104 Resp: 581343
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.2
103 56.2 44.6 67.0





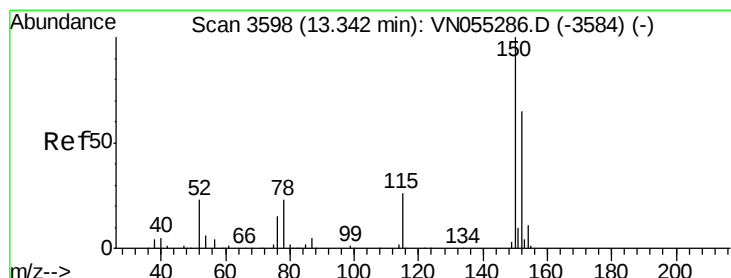
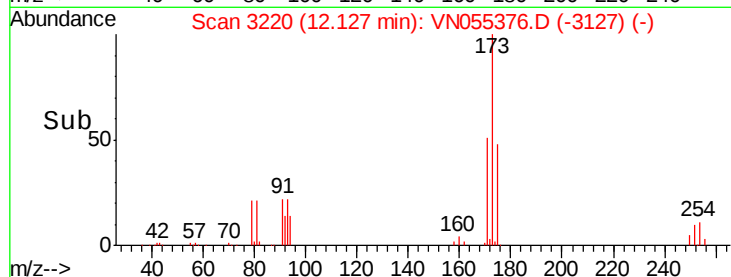
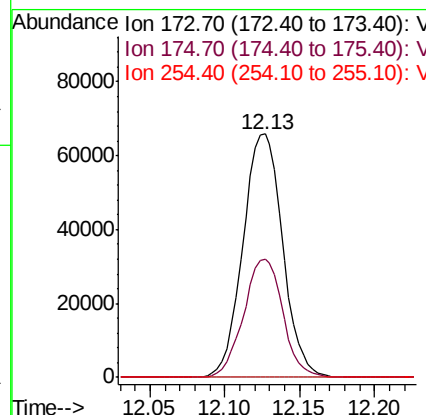
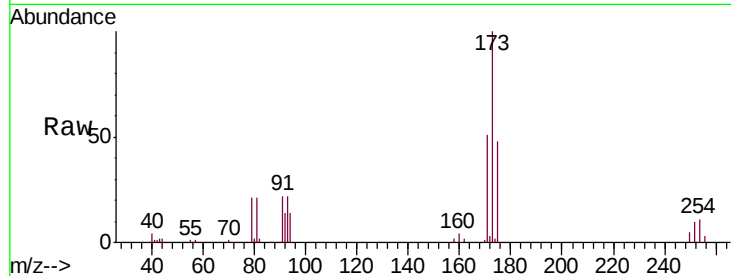
#71
Bromoform
Concen: 51.200 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.6	71.0
254	0.0	0.0	0.0

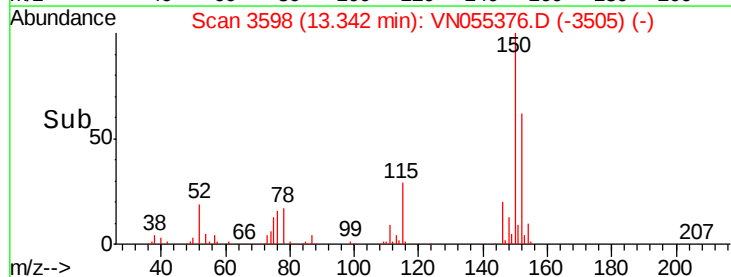
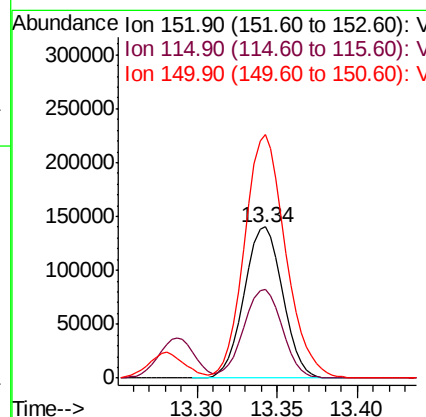
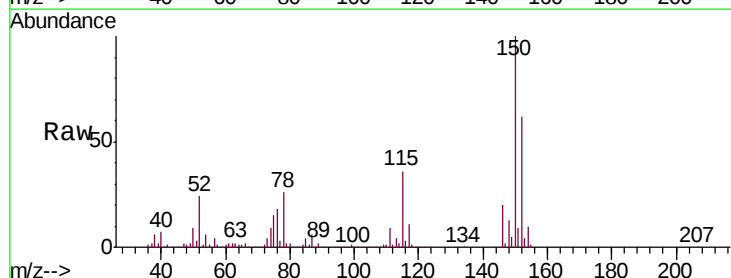
Manual Integrations
APPROVED

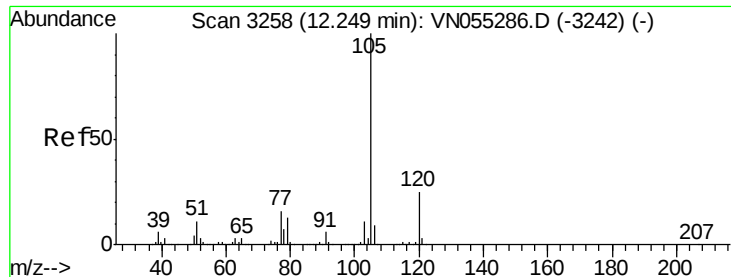
MMDadoda
5/6/2019 10:47:48 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.0	87.0
150	171.5	0.0	345.6





#73

Isopropylbenzene

Concen: 52.357 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 958050

Ion Ratio Lower Upper

105 100

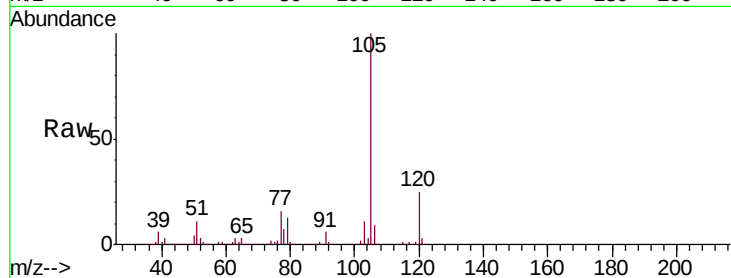
120 25.8 12.9 38.7

Manual Integrations

APPROVED

MMDadoda

5/6/2019 10:47:48 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

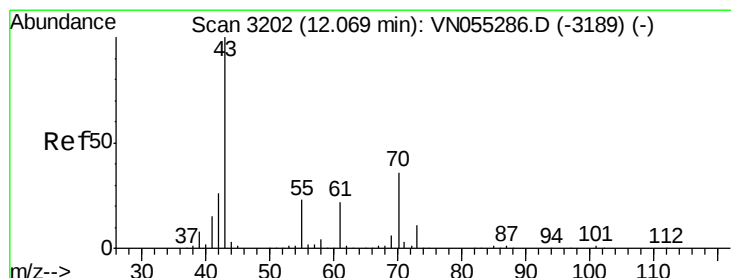
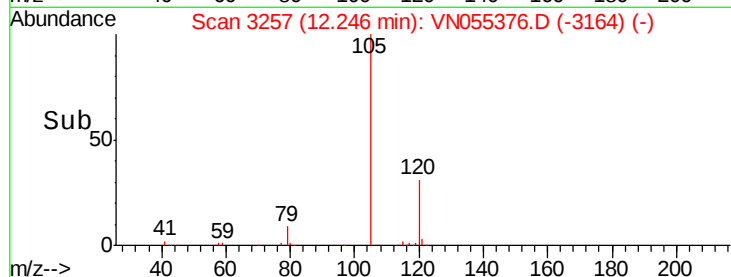
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 44.900 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Tgt Ion: 43 Resp: 265746

Ion Ratio Lower Upper

43 100

70 35.9 27.9 41.9

55 21.9 18.2 27.2

61 20.9 16.9 25.3

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

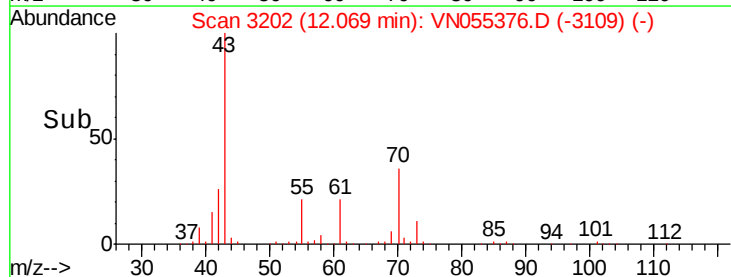
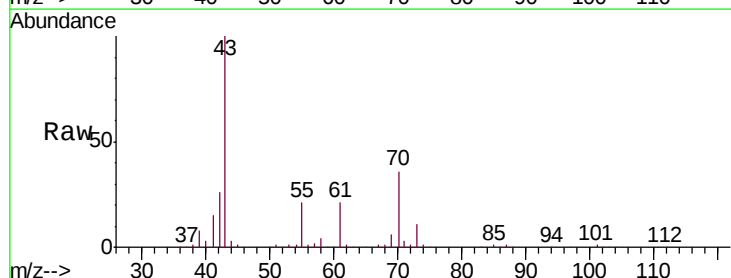
150000

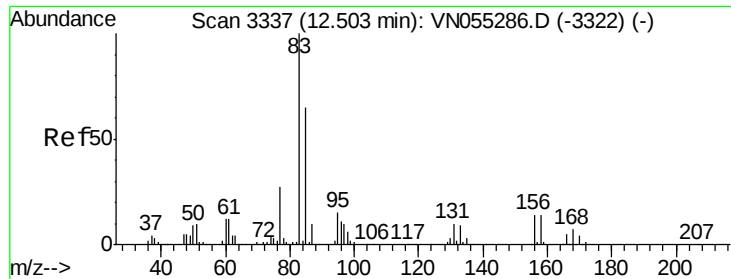
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.126 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 211896
Ion Ratio Lower Upper

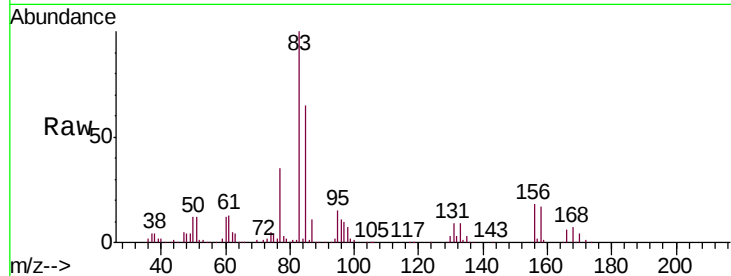
83 100

131 9.8 5.1 15.2

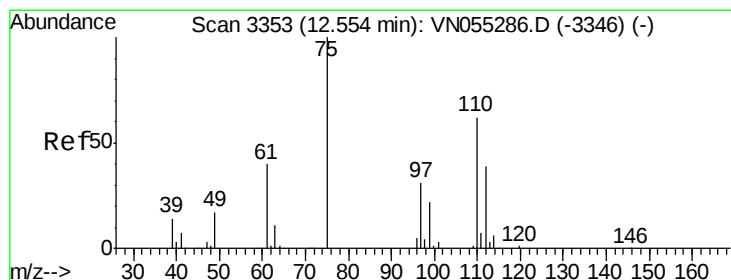
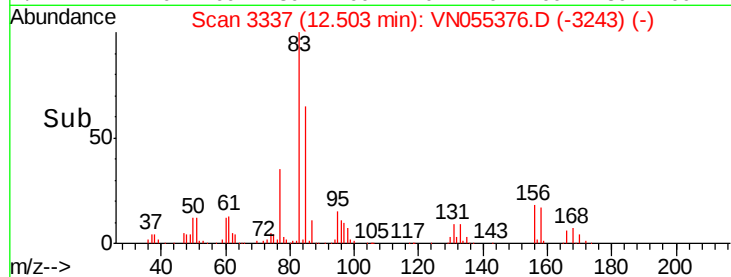
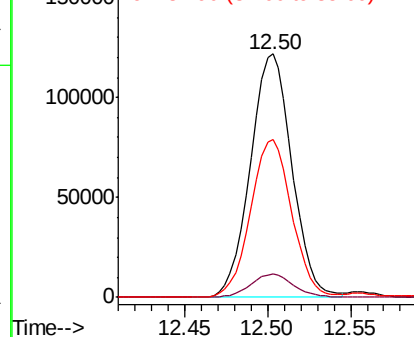
85 64.1 32.3 96.8

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:48 AM



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 43.381 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

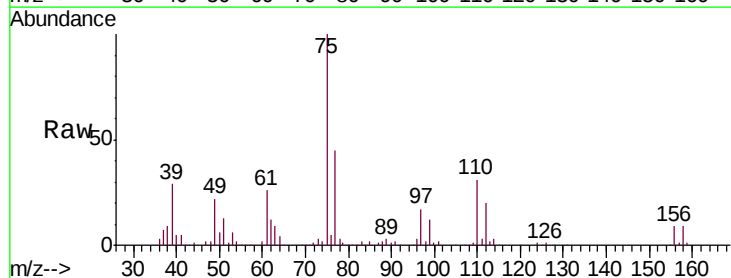
Lab File: VN055376.D

Acq: 3 May 2019 9:24

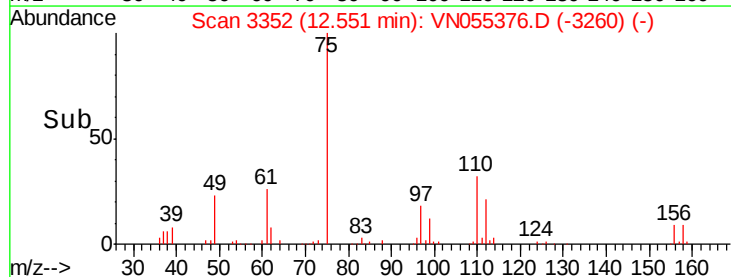
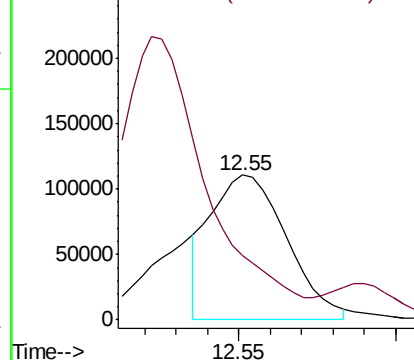
Tgt Ion: 75 Resp: 187389
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 50.297 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

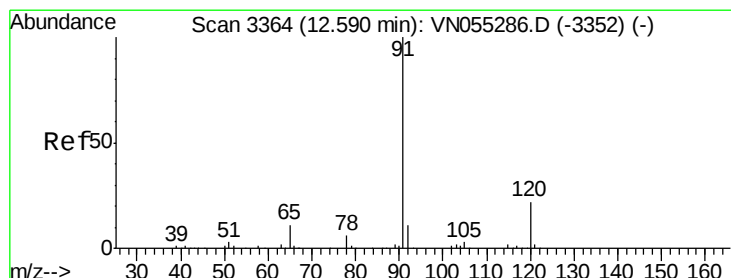
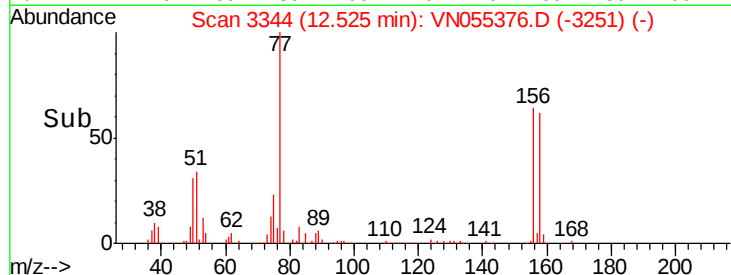
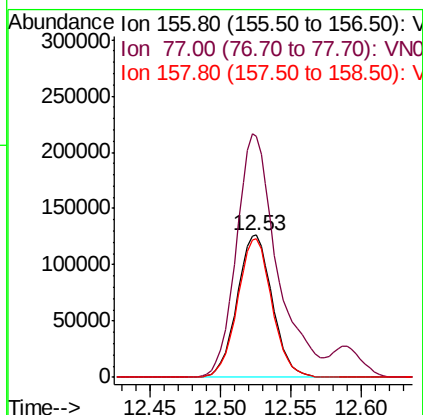
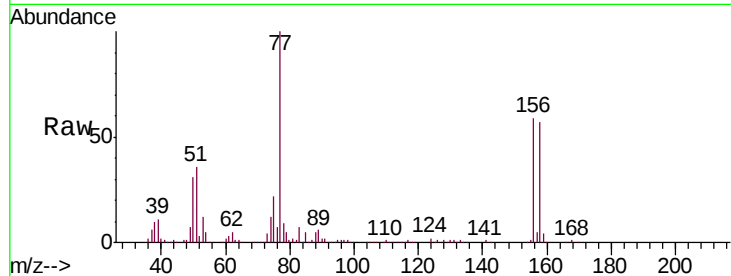
ClientSampled :

VSTDCCC050

Tgt Ion:	156	Resp:	221221
Ion Ratio	Lower	Upper	
156	100		
77	198.3	99.6	298.8
158	95.4	49.3	147.8

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:48 AM



#78

n-propylbenzene

Concen: 45.543 ug/l

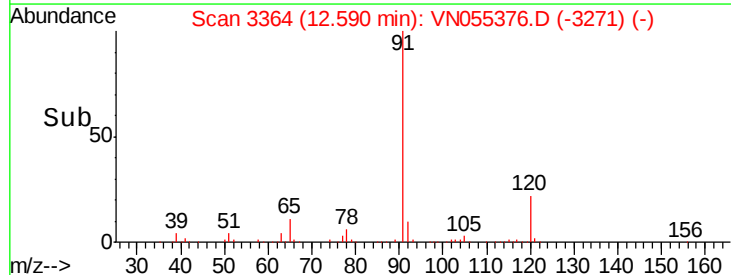
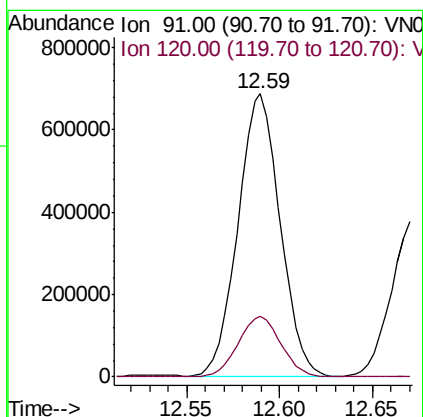
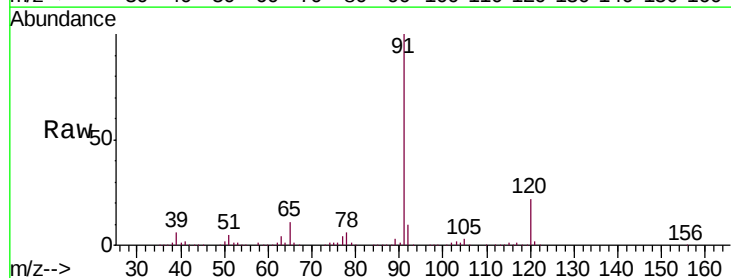
RT: 12.59 min Scan# 3364

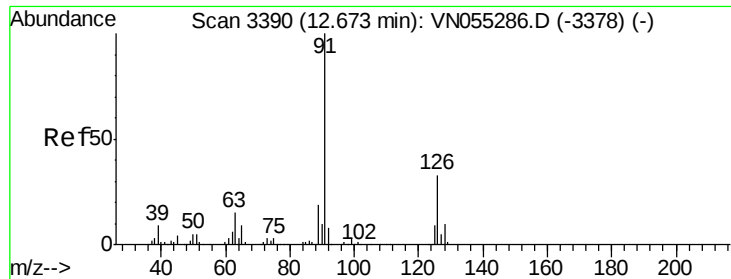
Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Tgt Ion:	91	Resp:	1078914
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.0	33.0





#79

2-Chlorotoluene

Concen: 51.651 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 644474

Ion Ratio Lower Upper

91 100

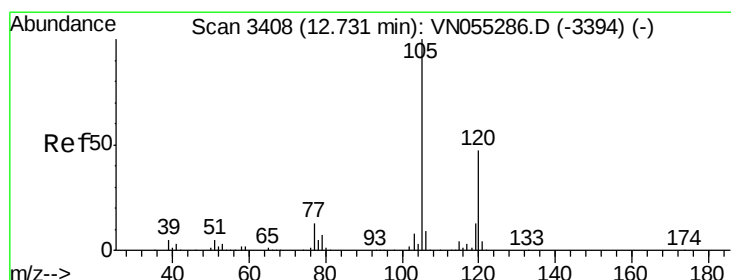
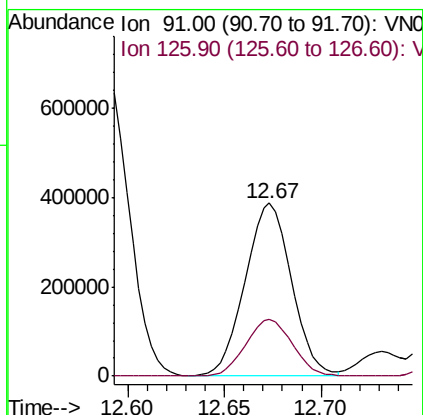
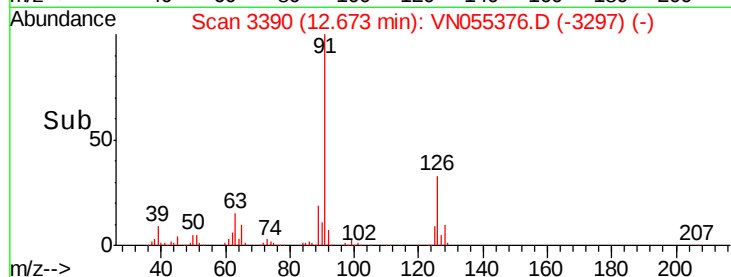
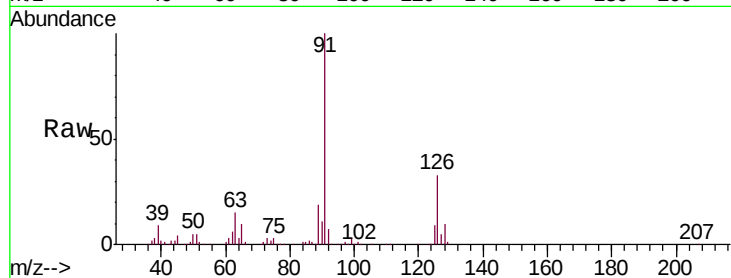
126 33.4 16.6 49.7

Manual Integrations

APPROVED

MMDadoda

5/6/2019 10:47:48 AM



#80

1,3,5-Trimethylbenzene

Concen: 44.045 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055376.D

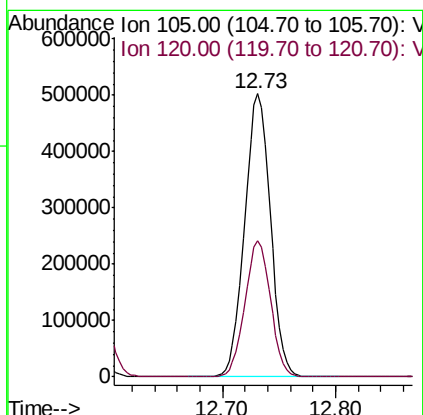
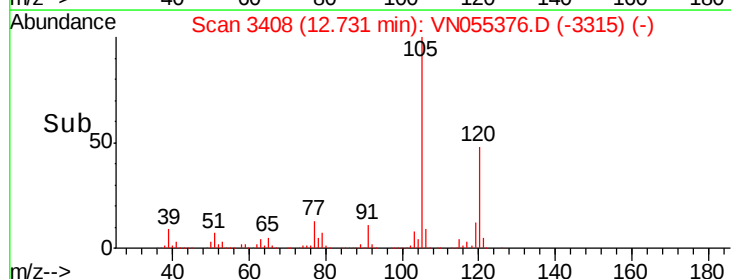
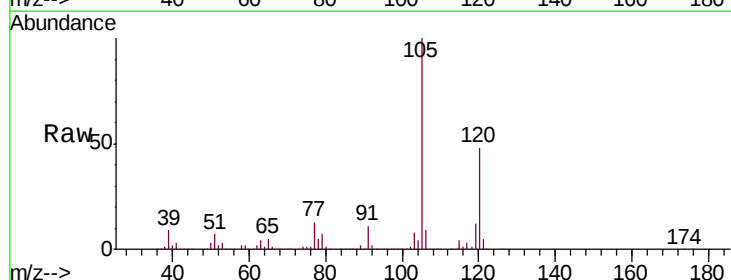
Acq: 3 May 2019 9:24

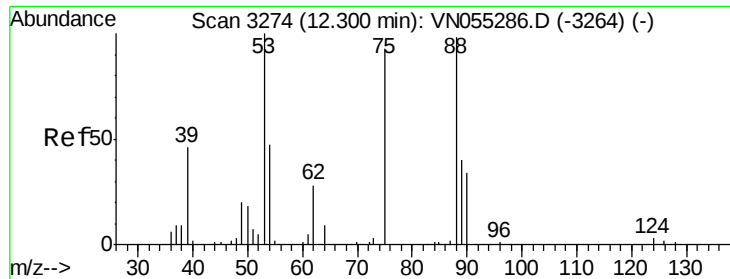
Tgt Ion: 105 Resp: 796344

Ion Ratio Lower Upper

105 100

120 48.0 23.4 70.0





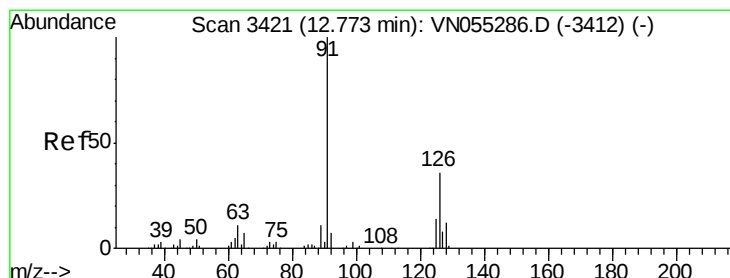
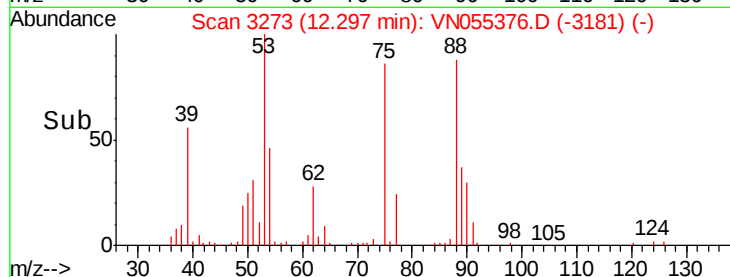
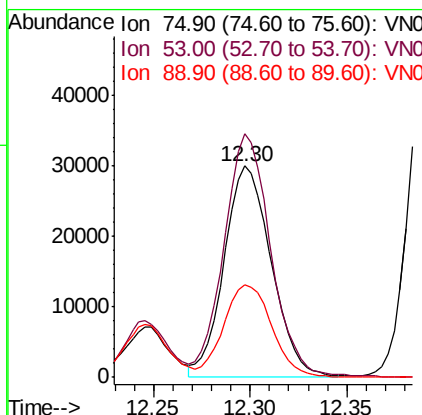
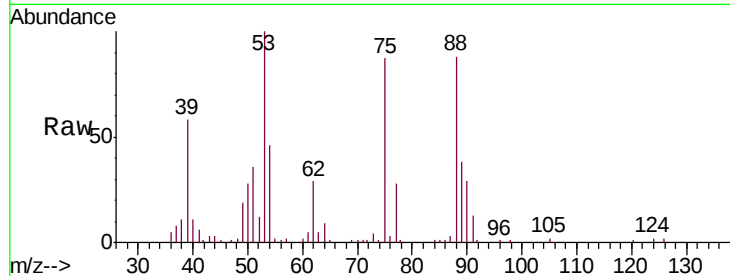
#81
trans-1,4-Dichloro-2-butene
Concen: 41.884 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	114.1	86.3	129.5
89	44.6	34.6	51.8

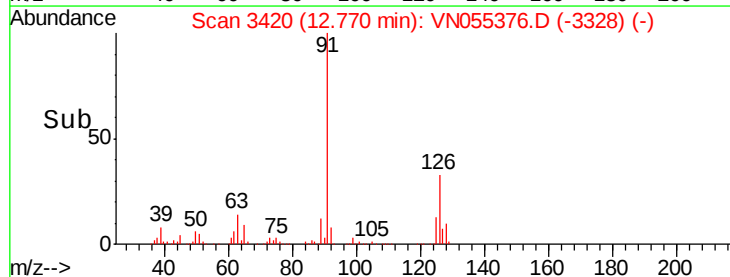
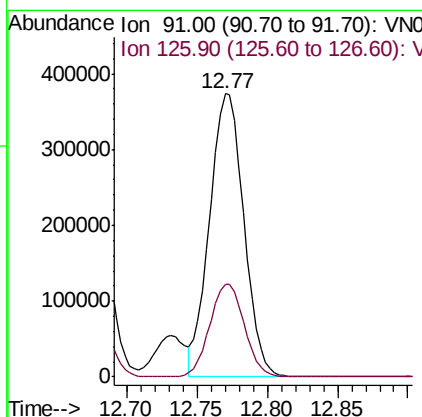
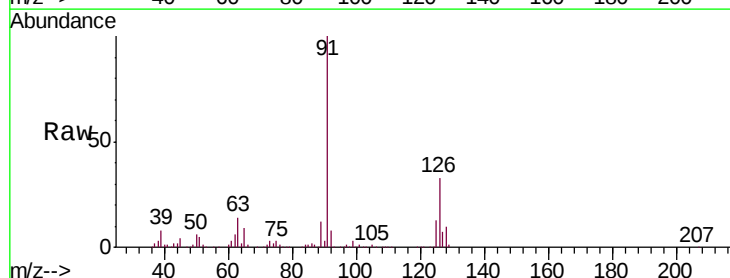
Manual Integrations
APPROVED

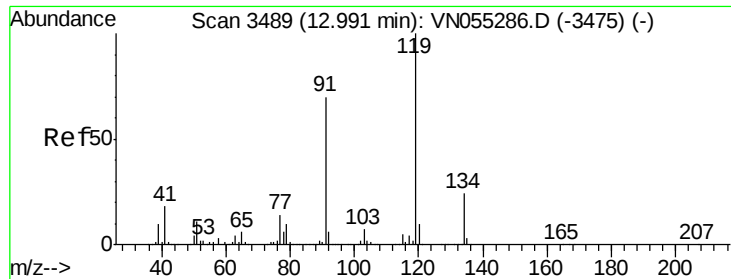
MMDadoda
5/6/2019 10:47:48 AM



#82
4-Chlorotoluene
Concen: 45.663 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7





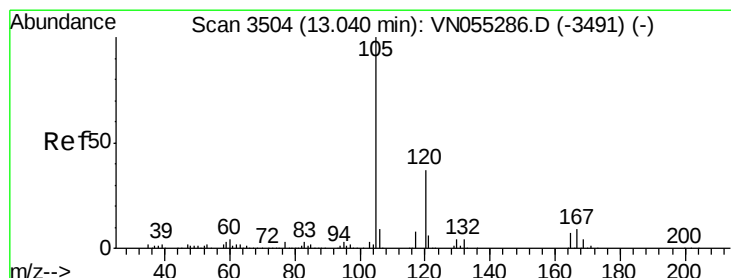
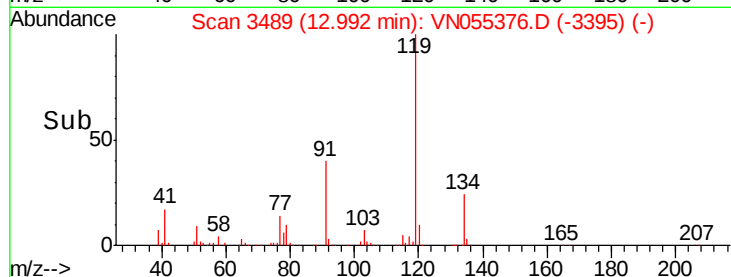
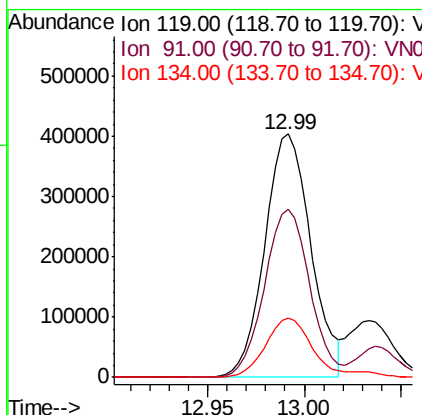
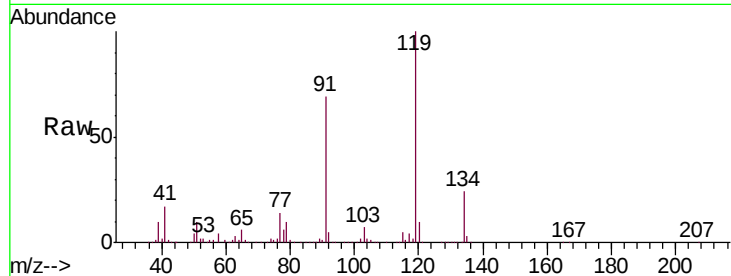
#83
 tert-Butylbenzene
 Concen: 52.563 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.3	102.9
134	25.8	13.1	39.3

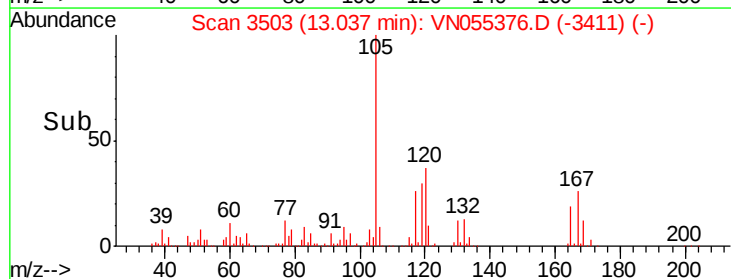
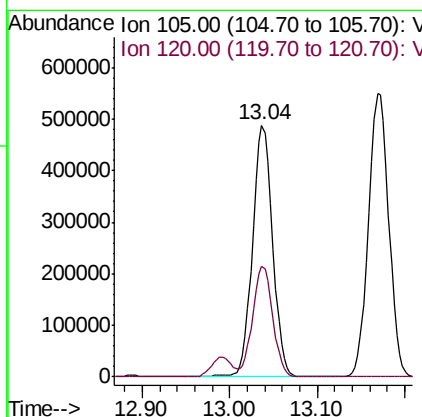
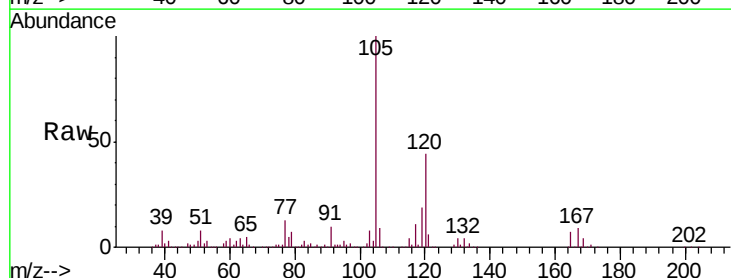
Manual Integrations
 APPROVED

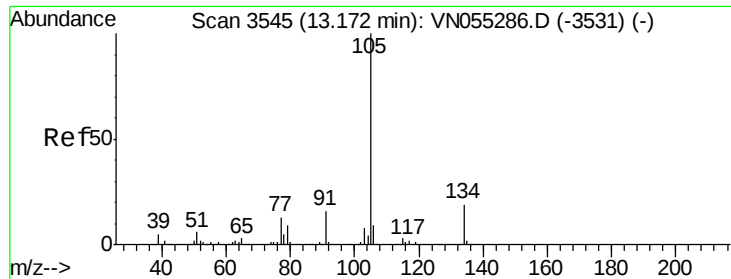
MMDadoda
 5/6/2019 10:47:48 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.047 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.5





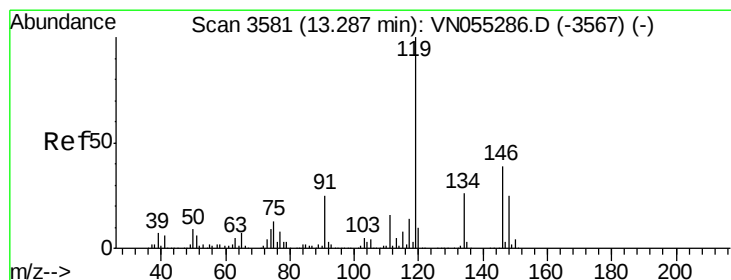
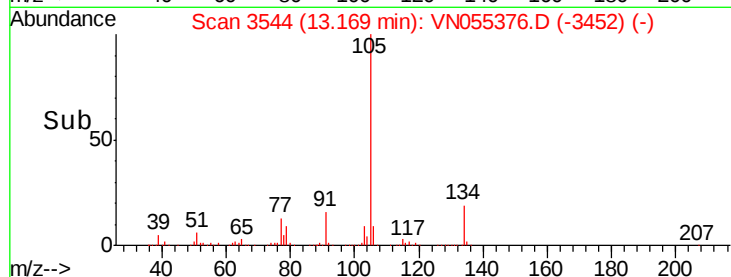
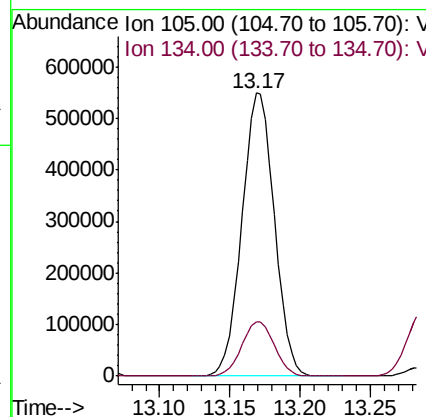
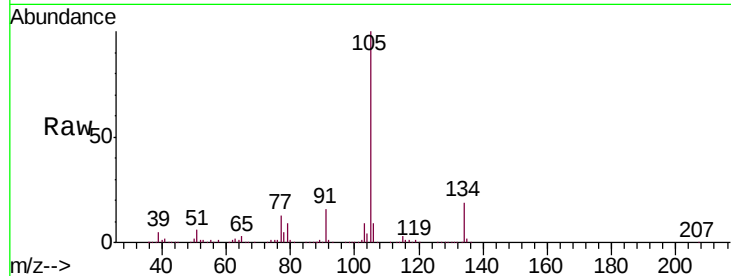
#85
 sec-Butylbenzene
 Concen: 45.020 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.6	28.8

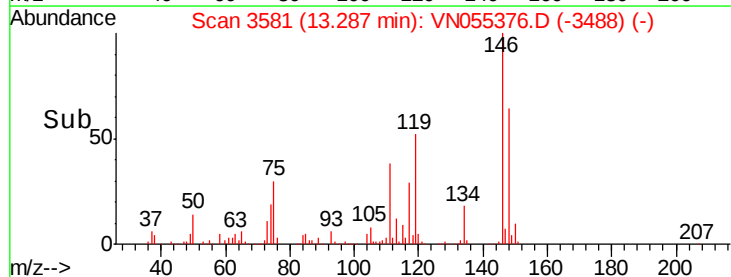
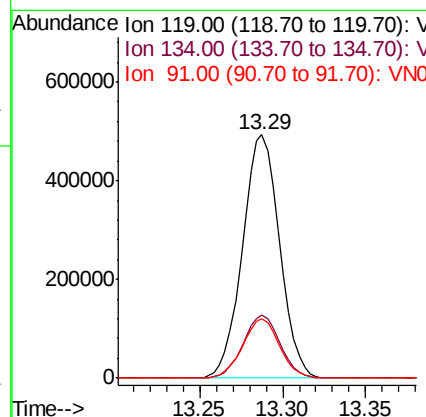
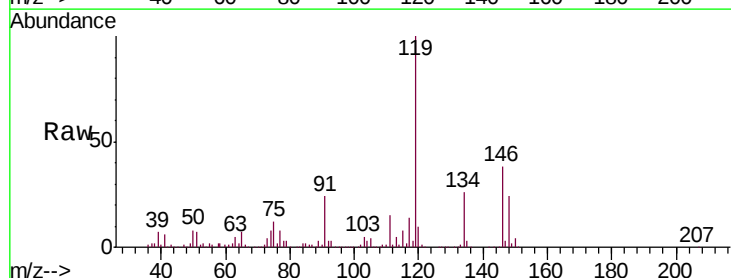
Manual Integrations
 APPROVED

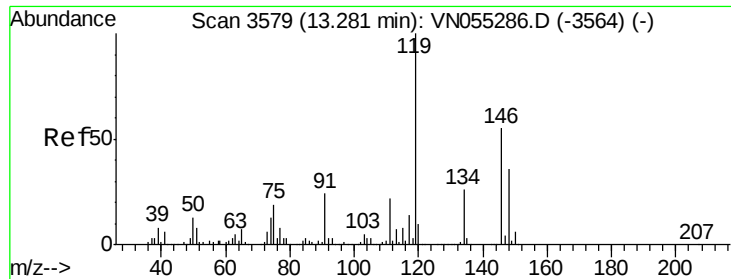
MMDadoda
 5/6/2019 10:47:48 AM



#86
 p-Isopropyltoluene
 Concen: 47.249 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	24.2	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 47.624 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

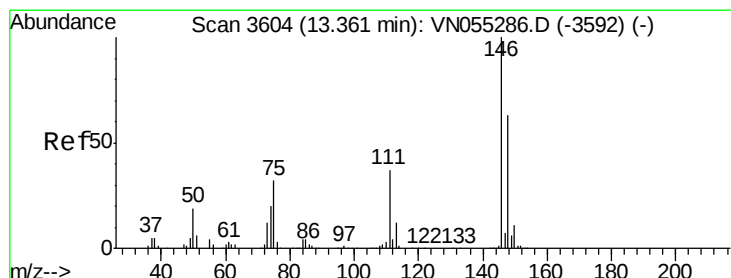
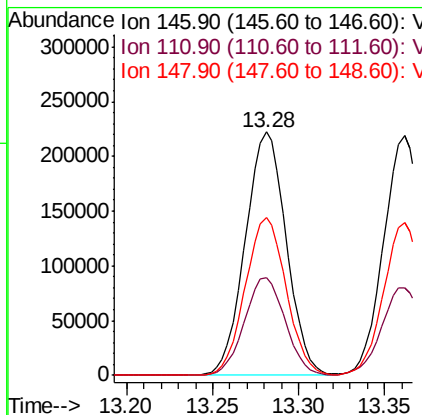
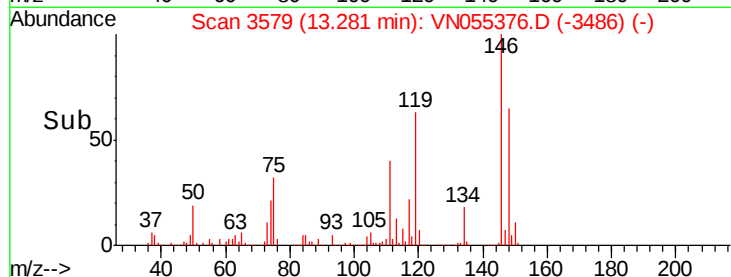
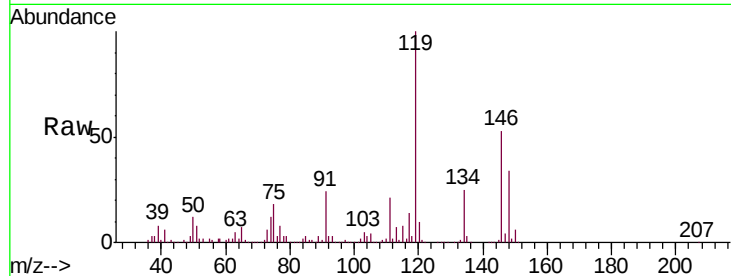
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	40.0	20.3	60.8
148	64.7	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:48 AM



#88

1,4-Dichlorobenzene

Concen: 49.191 ug/l

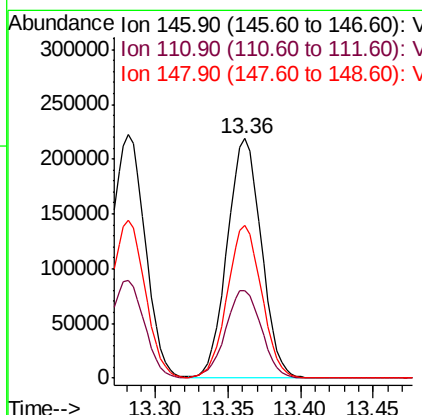
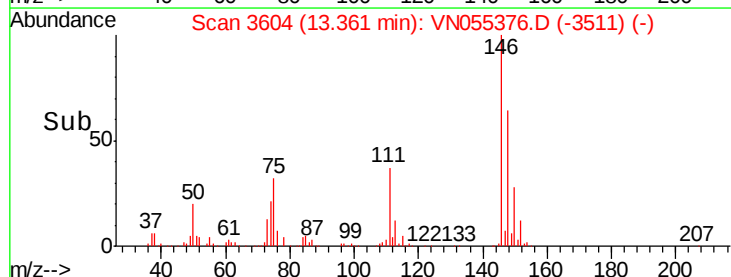
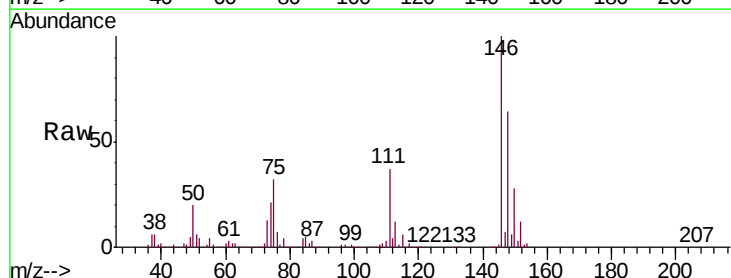
RT: 13.36 min Scan# 3604

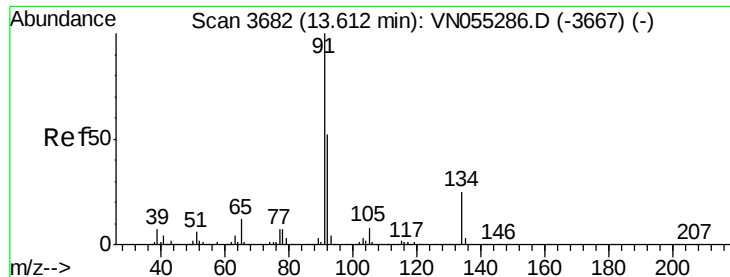
Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	38.5	19.5	58.5
148	64.0	32.5	97.4





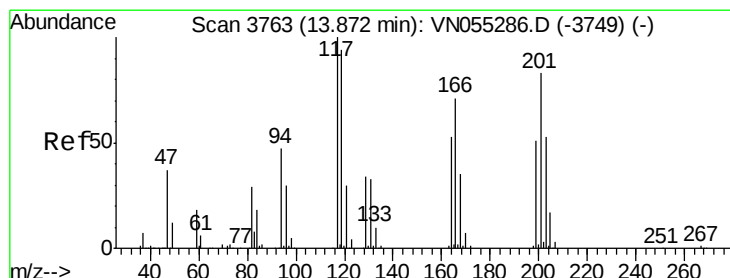
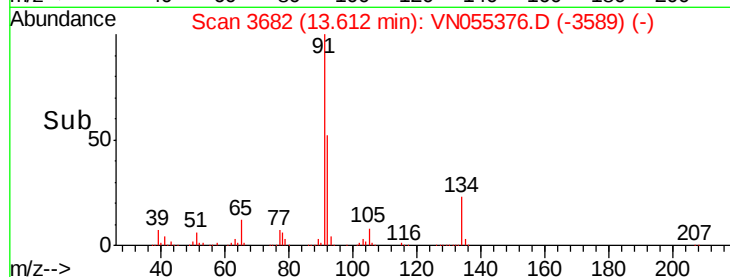
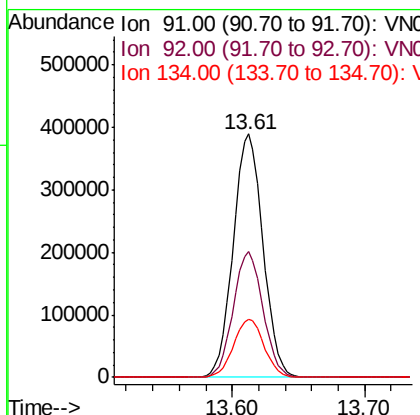
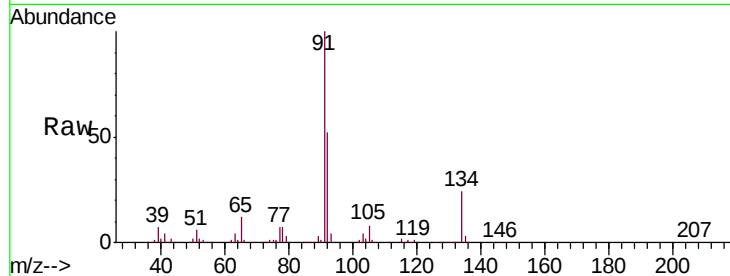
#89
n-Butylbenzene
Concen: 52.727 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	605158		
92	51.6	26.1	78.3	
134	24.5	12.4	37.4	

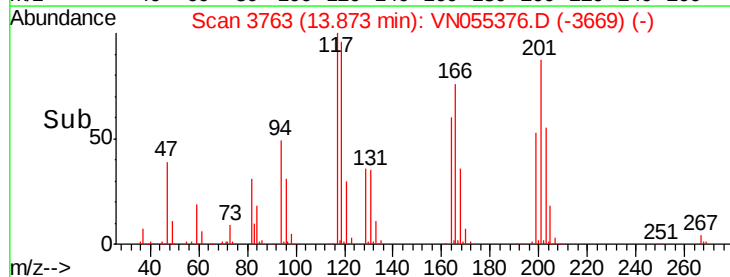
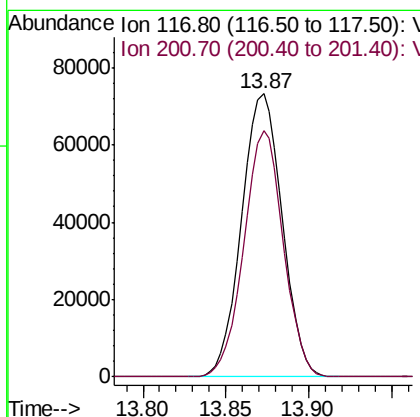
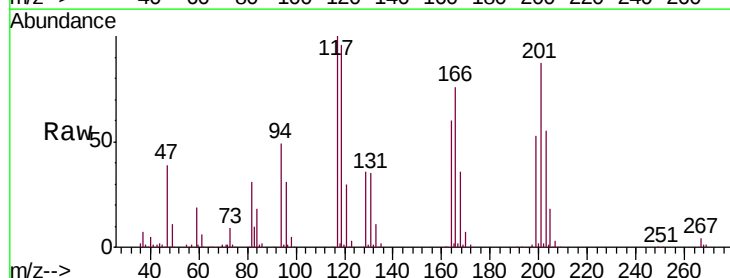
Manual Integrations
APPROVED

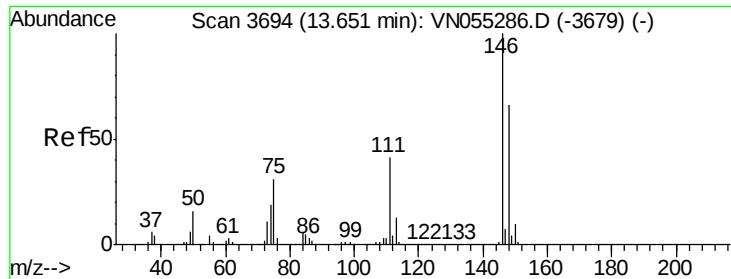
MMDadoda
5/6/2019 10:47:48 AM



#90
Hexachloroethane
Concen: 48.857 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	125039		
201	83.9	41.9	125.8	





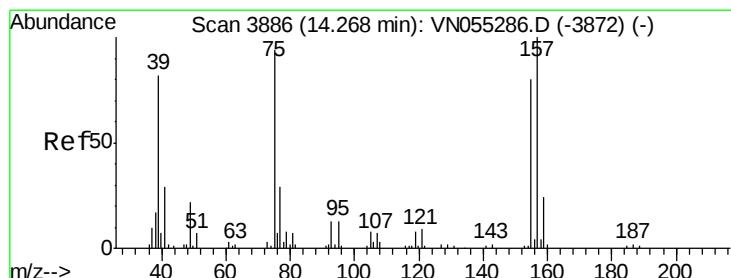
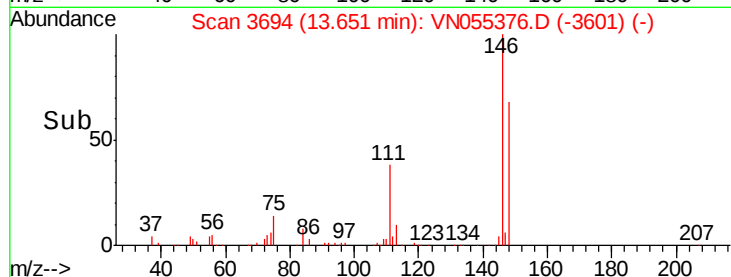
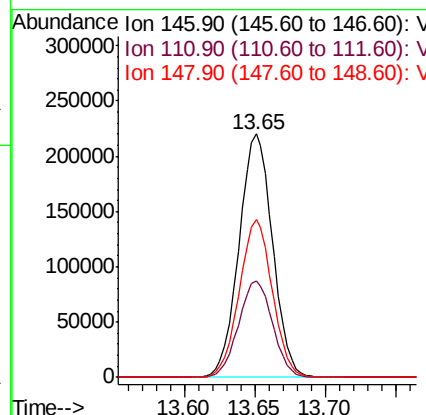
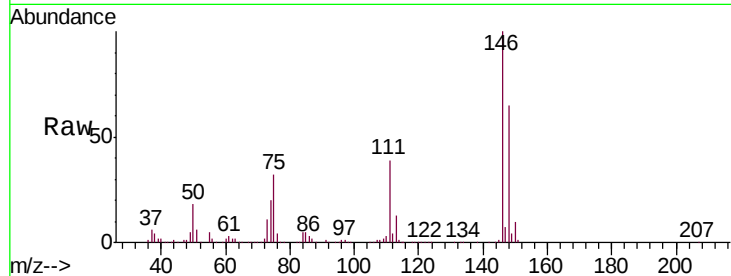
#91
 1,2-Dichlorobenzene
 Concen: 47.951 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	366766		
111	40.4	20.3	61.0	
148	63.9	32.4	97.2	

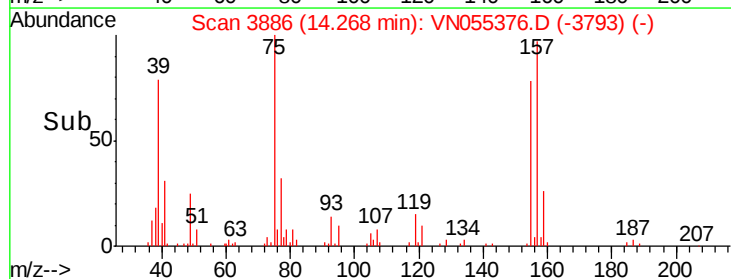
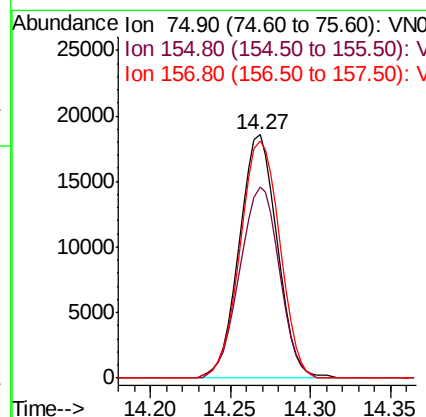
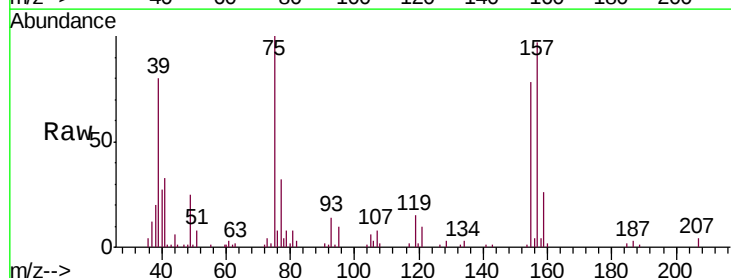
Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 10:47:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.552 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30065		
155	82.0	41.5	124.6	
157	101.5	54.0	162.2	





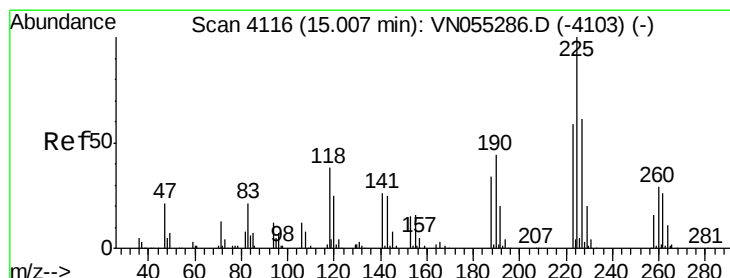
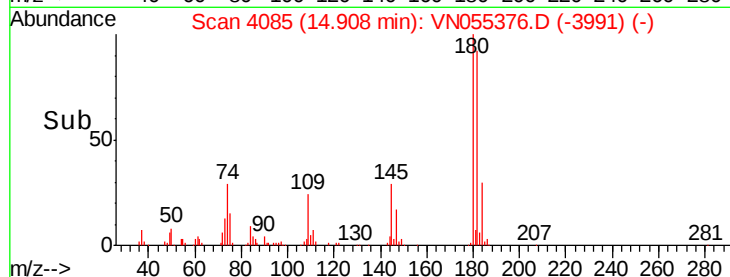
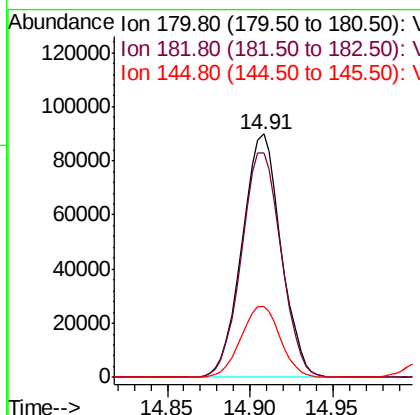
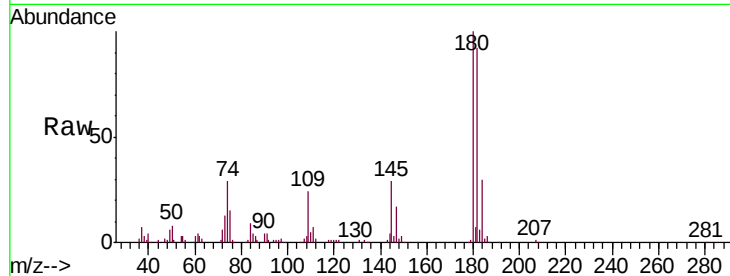
#93
 1,2,4-Trichlorobenzene
 Concen: 48.689 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	146536		
182	94.6	48.3	144.9	
145	29.4	14.2	42.6	

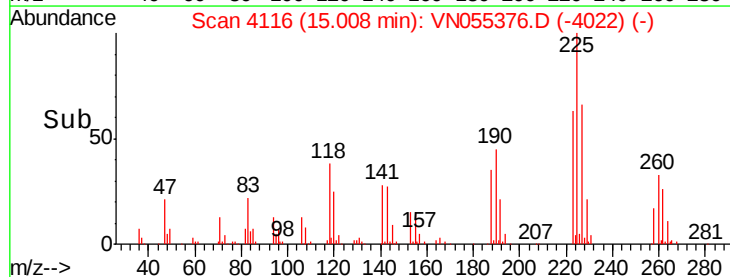
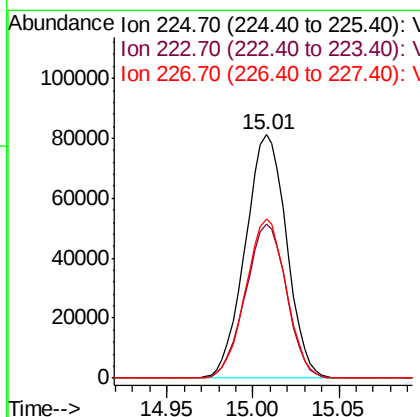
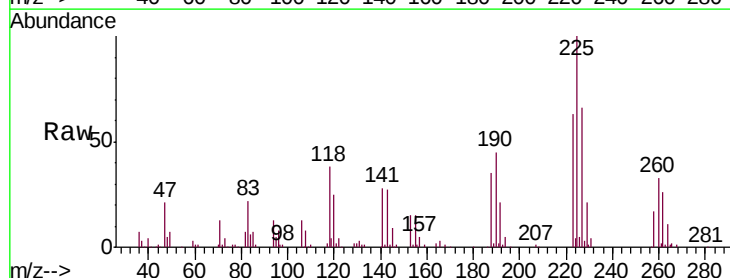
Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 10:47:48 AM



#94
 Hexachlorobutadiene
 Concen: 59.388 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135477		
223	62.6	30.3	90.8	
227	64.1	30.9	92.7	





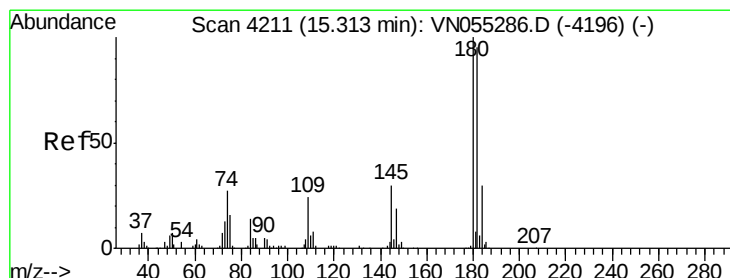
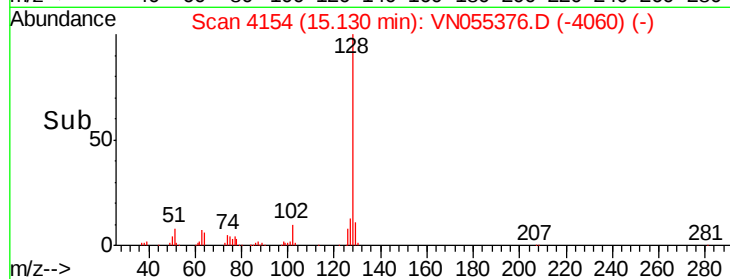
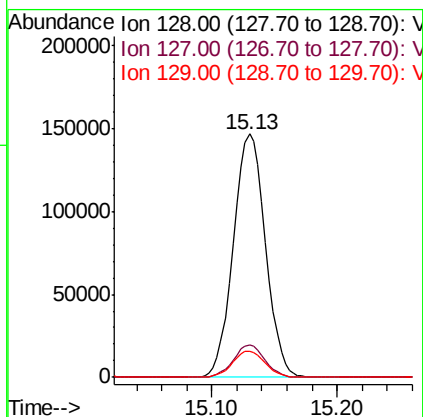
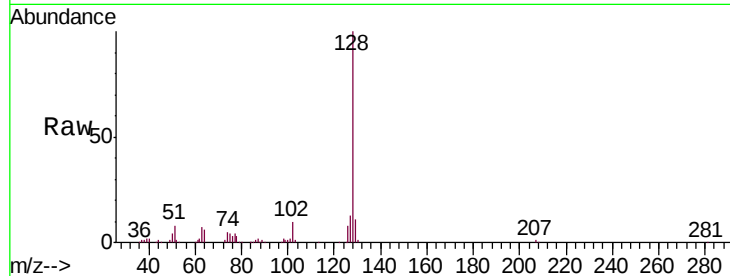
#95
Naphthalene
Concen: 41.342 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	261059		
127	13.0	10.7	16.1	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.219 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	146031		
182	94.8	48.3	144.9	
145	31.7	15.2	45.6	

