

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054253.D
 Acq On : 14 Mar 2019 10:28
 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
 3/15/2019 9:42:06 AM

Quant Time: Mar 15 07:10:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1468751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2185676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1909804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	965849	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	756286	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	7.59	113	707309	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.09	98	2536096	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	892843	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	733177	52.671	ug/l	100
3) Chloromethane	2.06	50	597114	44.160	ug/l	99
4) Vinyl Chloride	2.19	62	748790	48.451	ug/l	99
5) Bromomethane	2.57	94	472356	44.130	ug/l	99
6) Chloroethane	2.71	64	441705	47.237	ug/l	99
7) Trichlorofluoromethane	3.02	101	1016675	49.479	ug/l	100
8) Diethyl Ether	3.41	74	485187	51.817	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	874481	56.793	ug/l	99
10) Methyl Iodide	3.94	142	957815	43.988	ug/l	100
11) Tert butyl alcohol	4.81	59	233687	218.537	ug/l	98
12) 1,1-Dichloroethene	3.73	96	816751	53.527	ug/l	99
13) Acrolein	3.61	56	242340	239.165	ug/l	100
14) Allyl chloride	4.32	41	995339	50.841	ug/l	98
15) Acrylonitrile	4.99	53	1111002	252.934	ug/l	100
16) Acetone	3.82	43	1149271	257.331	ug/l	100
17) Carbon Disulfide	4.04	76	1816565	47.490	ug/l	100
18) Methyl Acetate	4.33	43	497031	55.007	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1922644	50.834	ug/l	99
20) Methylene Chloride	4.54	84	740121	50.470	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	759164	51.927	ug/l	99
22) Diisopropyl ether	5.96	45	2063426	52.809	ug/l	99
23) Vinyl Acetate	5.90	43	7443086	258.361	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1293039	51.540	ug/l	99
25) 2-Butanone	6.84	43	1387553	264.707	ug/l	100
26) 2,2-Dichloropropane	6.82	77	1106208	50.140	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	869124	53.287	ug/l	99
28) Bromochloromethane	7.19	49	491216	47.894	ug/l	98
29) Tetrahydrofuran	7.22	42	833968	247.445	ug/l	99
30) Chloroform	7.37	83	1383910	52.863	ug/l	100
31) Cyclohexane	7.65	56	1208753	51.573	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1208904	51.131	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1054711	52.400	ug/l	99
37) Ethyl Acetate	6.93	43	565567	48.902	ug/l	99
38) Carbon Tetrachloride	7.77	117	1069790	50.682	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054253.D
 Acq On : 14 Mar 2019 10:28
 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
 3/15/2019 9:42:06 AM

Quant Time: Mar 15 07:10:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1359497	54.895	ug/l	99
40) Benzene	8.04	78	3037079	52.728	ug/l	99
41) Methacrylonitrile	7.17	41	313022	47.402	ug/l	96
42) 1,2-Dichloroethane	8.12	62	1013023	52.093	ug/l	100
43) Isopropyl Acetate	8.17	43	1006129	49.562	ug/l	99
44) Trichloroethene	8.83	130	945163	52.823	ug/l	99
45) 1,2-Dichloropropane	9.12	63	761389	53.235	ug/l	99
46) Dibromomethane	9.21	93	502900	52.041	ug/l	99
47) Bromodichloromethane	9.40	83	1037499	53.554	ug/l	98
48) Methyl methacrylate	9.20	41	534906	51.922	ug/l	98
49) 1,4-Dioxane	9.20	88	138195	948.340	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2791854	259.873	ug/l	100
52) Toluene	10.16	92	1940733	53.139	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1026884	46.489	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1198776	53.101	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	695449	52.151	ug/l	99
56) Ethyl methacrylate	10.43	69	837198	52.651	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1142972	52.417	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1534086	224.241	ug/l	99
59) 2-Hexanone	10.75	43	1853401	259.272	ug/l	100
60) Dibromochloromethane	10.90	129	780377	51.991	ug/l	100
61) 1,2-Dibromoethane	11.01	107	701311	51.751	ug/l	99
64) Tetrachloroethene	10.63	164	917212	49.673	ug/l	99
65) Chlorobenzene	11.43	112	2237977	53.369	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	818548	53.733	ug/l	99
67) Ethyl Benzene	11.51	91	3684807	53.009	ug/l	100
68) m/p-Xylenes	11.62	106	2915688	107.317	ug/l	100
69) o-Xylene	11.95	106	1396308	52.720	ug/l	100
70) Styrene	11.96	104	2247188	54.100	ug/l	100
71) Bromoform	12.13	173	511086	44.294	ug/l #	99
73) Isopropylbenzene	12.25	105	3772463	48.819	ug/l	100
74) N-amyl acetate	12.07	43	820000	47.807	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	795980	48.348	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	705660m	49.683	ug/l	
77) Bromobenzene	12.53	156	1007637	49.278	ug/l	97
78) n-propylbenzene	12.59	91	4246162	50.642	ug/l	99
79) 2-Chlorotoluene	12.67	91	2472189	49.037	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3162196	49.197	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	177683	42.765	ug/l	95
82) 4-Chlorotoluene	12.77	91	2536285	50.382	ug/l	99
83) tert-Butylbenzene	12.99	119	2858911	48.323	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3196123	50.686	ug/l	100
85) sec-Butylbenzene	13.17	105	3832923	49.957	ug/l	99
86) p-Isopropyltoluene	13.29	119	3424402	50.874	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1800399	52.253	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1746269	51.592	ug/l	99
89) n-Butylbenzene	13.61	91	2842503	55.579	ug/l	100
90) Hexachloroethane	13.87	117	514091	46.125	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1719794	51.058	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	116076	45.562	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054253.D
Acq On : 14 Mar 2019 10:28
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

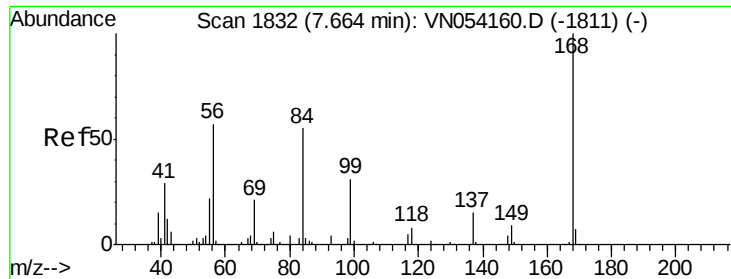
Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM

Quant Time: Mar 15 07:10:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1045396	51.337	ug/l	100
94) Hexachlorobutadiene	15.01	225	639819	49.869	ug/l	99
95) Naphthalene	15.13	128	1922273	45.698	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	991393	55.395	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 1468751

Ion Ratio Lower Upper

168 100

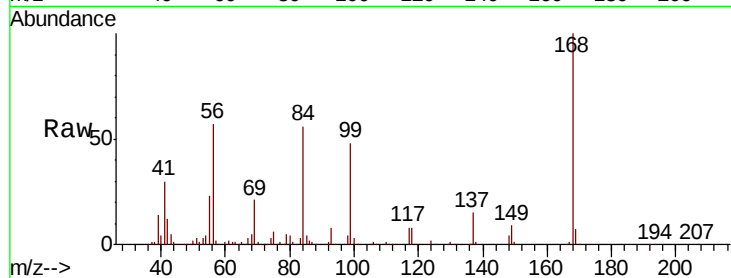
99 46.5 37.1 55.7

Manual Integrations

APPROVED

MMDadoda

3/15/2019 9:42:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

600000

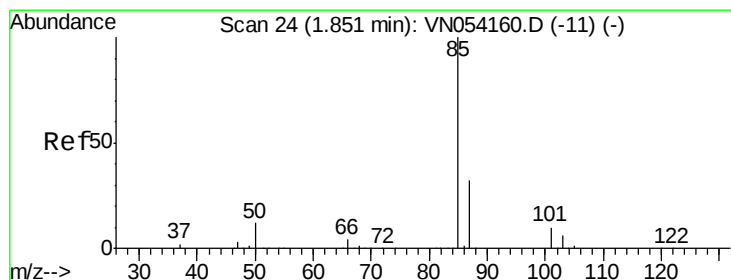
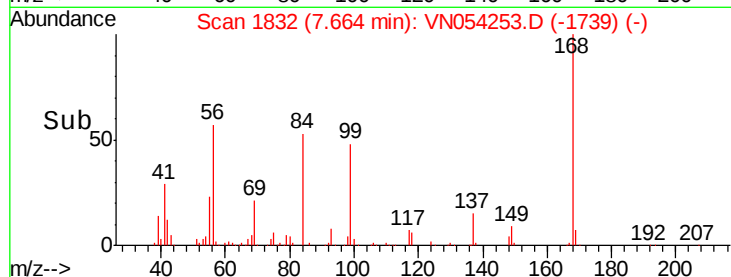
400000

200000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 52.671 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054253.D

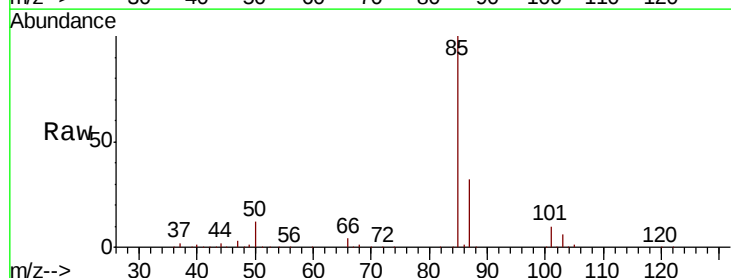
Acq: 14 Mar 2019 10:28

Tgt Ion: 85 Resp: 733177

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

600000

500000

400000

300000

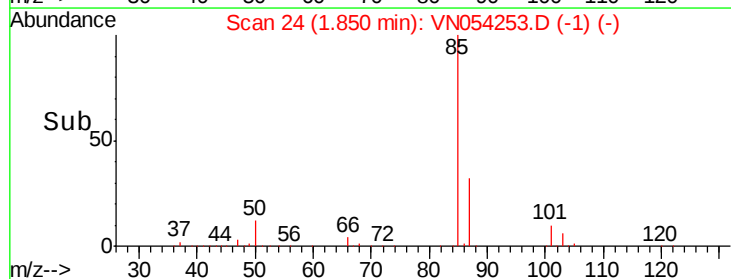
200000

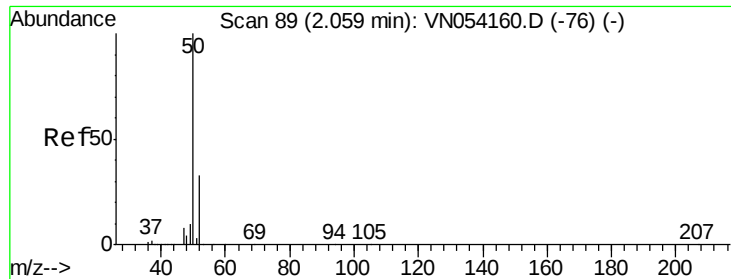
100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 44.160 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 597114

Ion Ratio Lower Upper

50 100

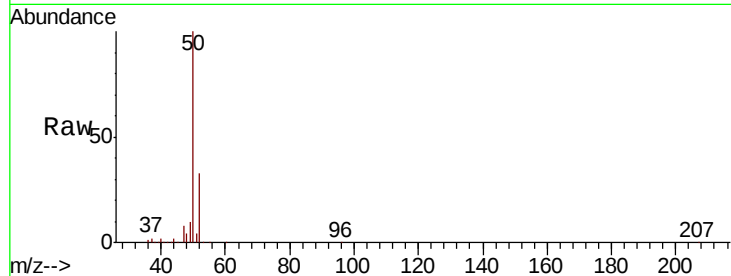
52 32.5 26.4 39.6

Manual Integrations

APPROVED

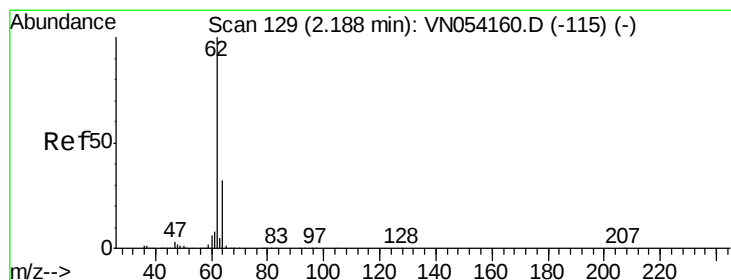
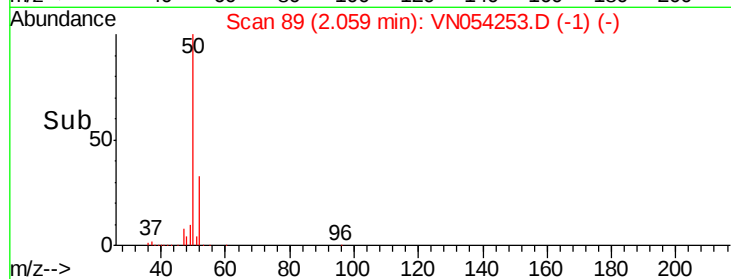
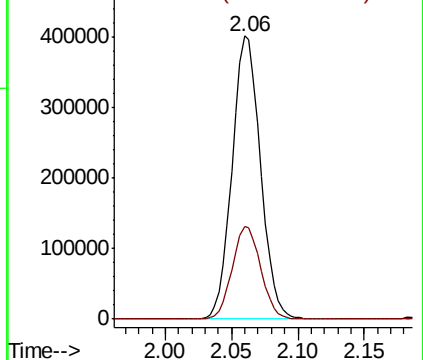
MMDadoda

3/15/2019 9:42:06 AM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 48.451 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054253.D

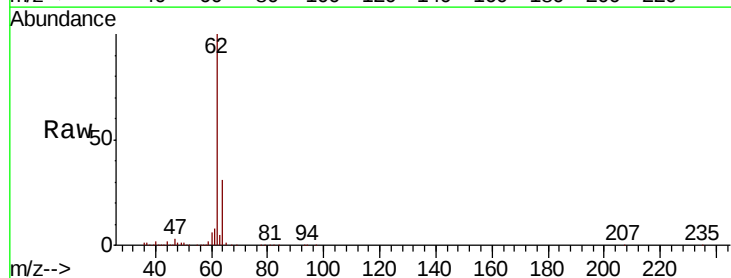
Acq: 14 Mar 2019 10:28

Tgt Ion: 62 Resp: 748790

Ion Ratio Lower Upper

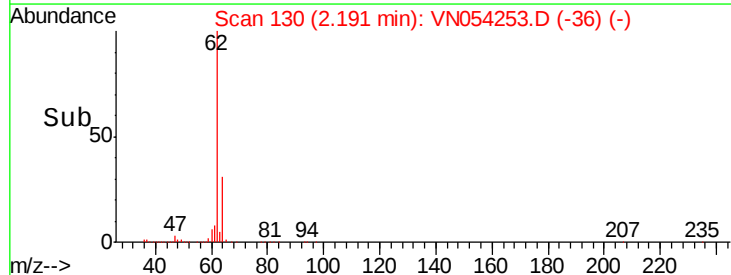
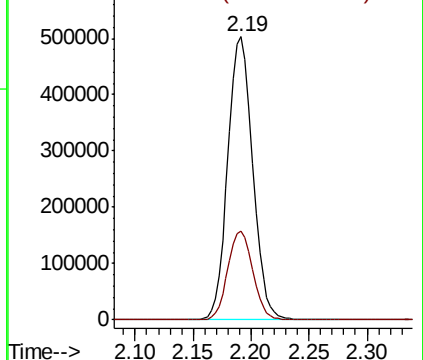
62 100

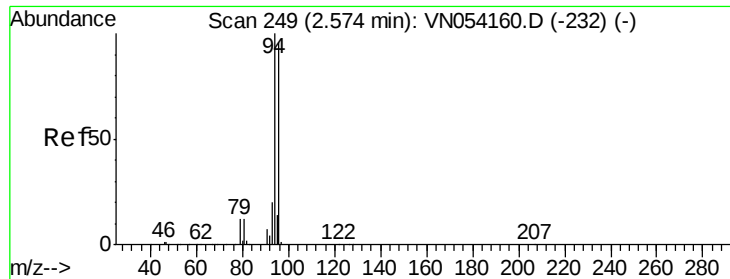
64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





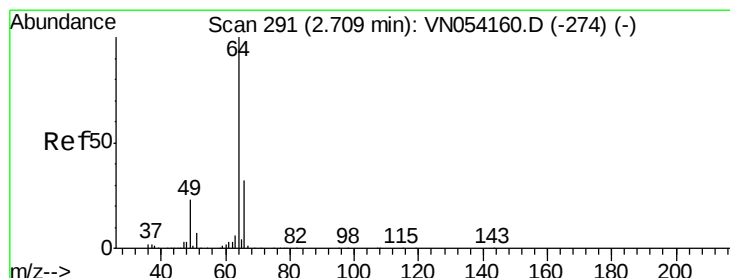
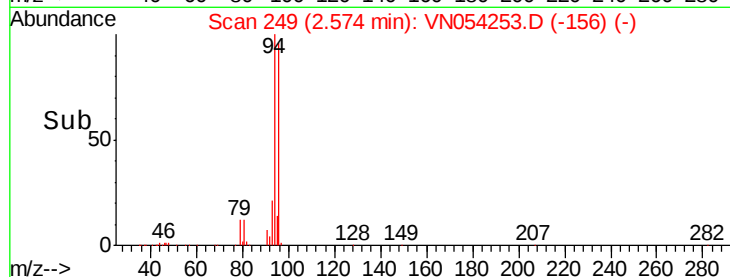
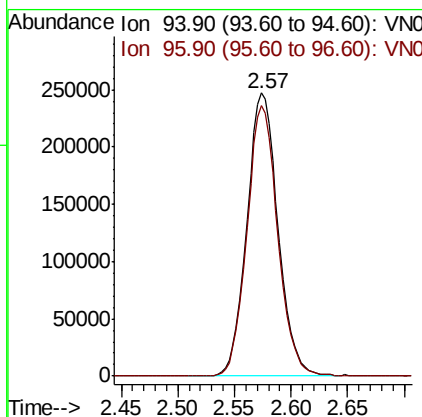
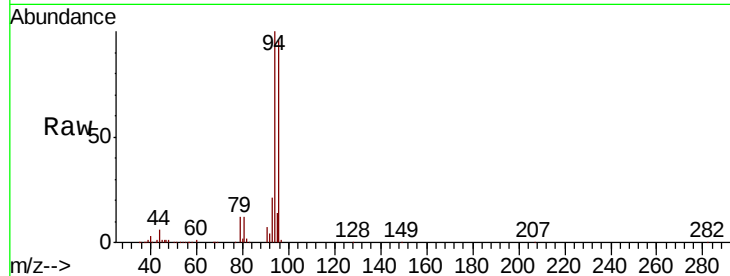
#5
Bromomethane
Concen: 44.130 ug/l
RT: 2.57 min Scan# 249
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 472356
Ion Ratio Lower Upper
94 100
96 95.5 77.0 115.4

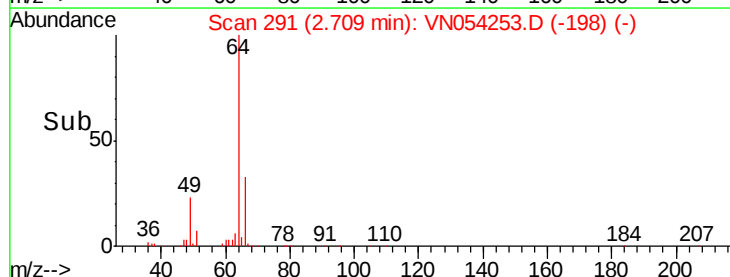
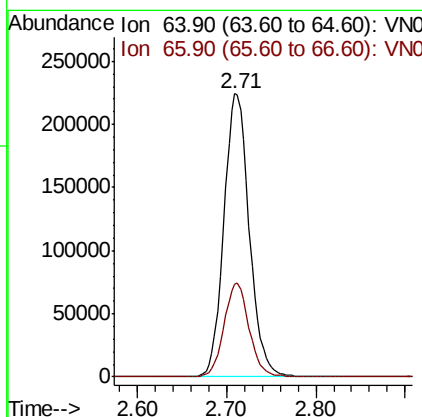
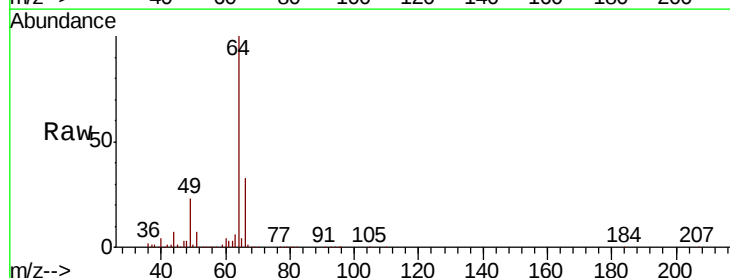
Manual Integrations
APPROVED

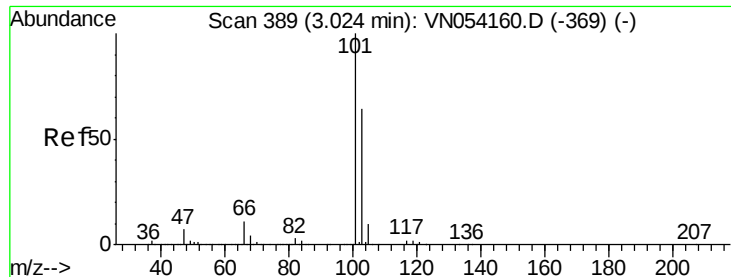
MMDadoda
3/15/2019 9:42:06 AM



#6
Chloroethane
Concen: 47.237 ug/l
RT: 2.71 min Scan# 291
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion: 64 Resp: 441705
Ion Ratio Lower Upper
64 100
66 32.7 25.7 38.5





#7

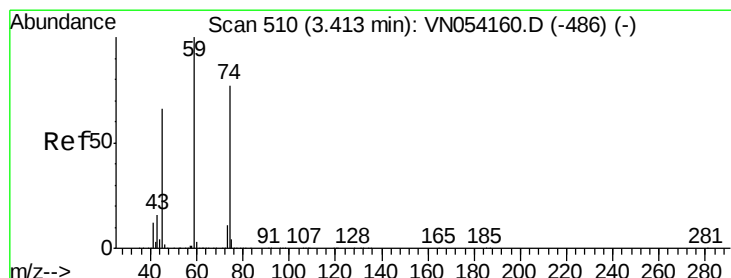
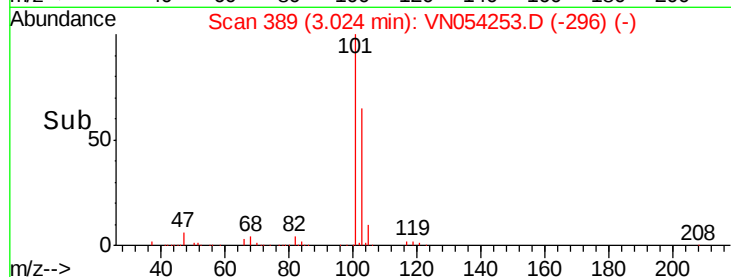
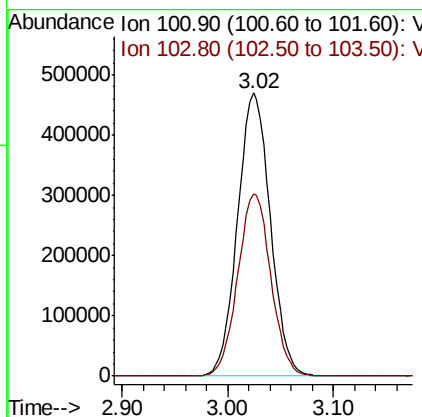
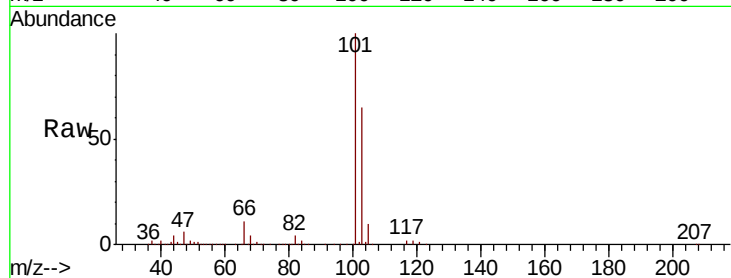
Trichlorofluoromethane
Concen: 49.479 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 1016675
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2

Manual Integrations
APPROVED

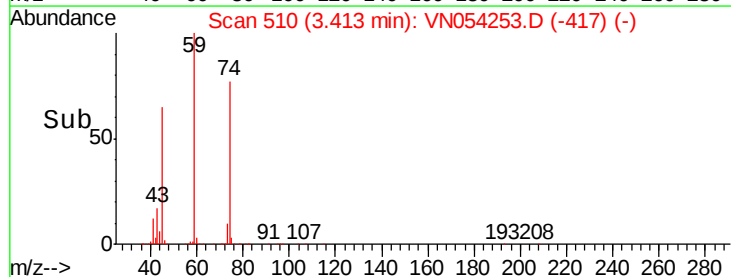
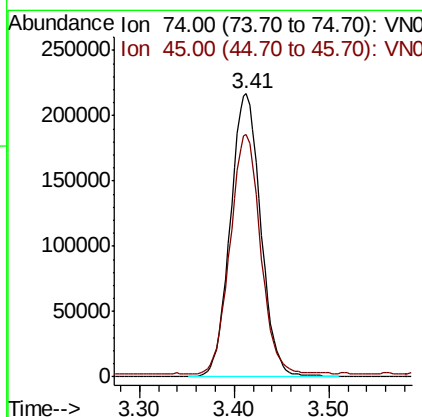
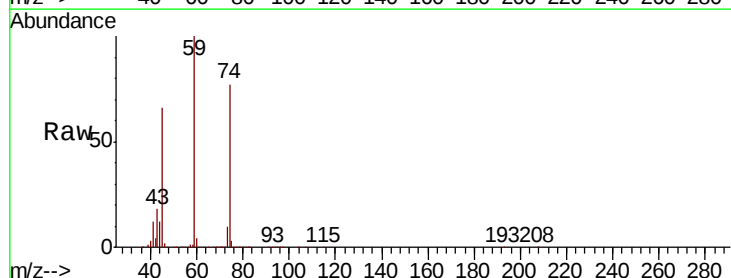
MMDadoda
3/15/2019 9:42:06 AM

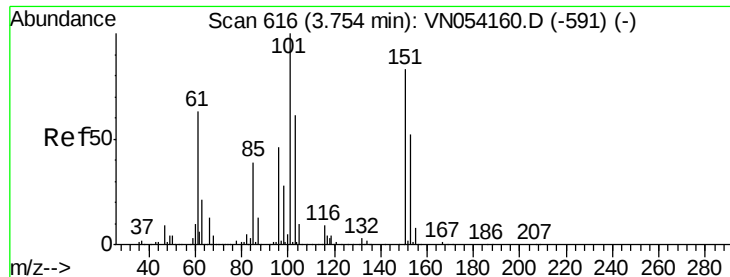


#8

Diethyl Ether
Concen: 51.817 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion: 74 Resp: 485187
Ion Ratio Lower Upper
74 100
45 83.6 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.793 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Instrument :

MSVOA_N

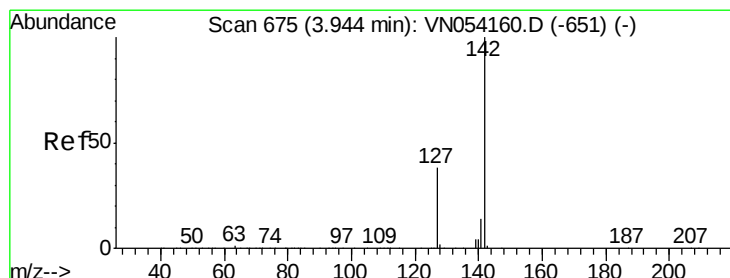
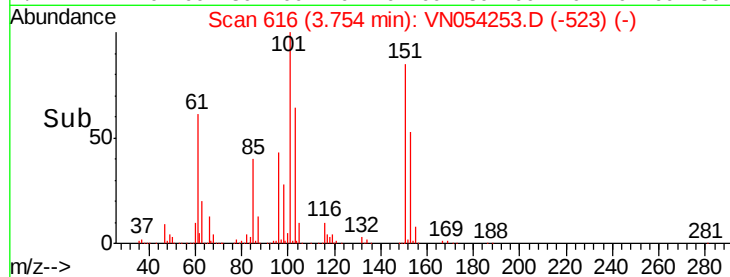
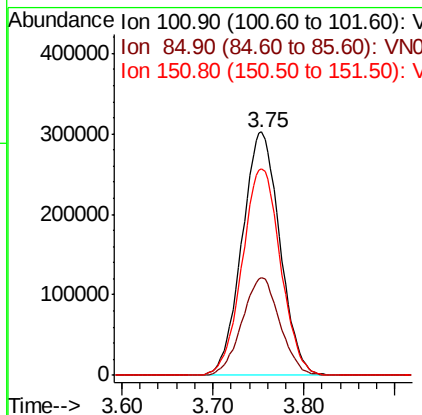
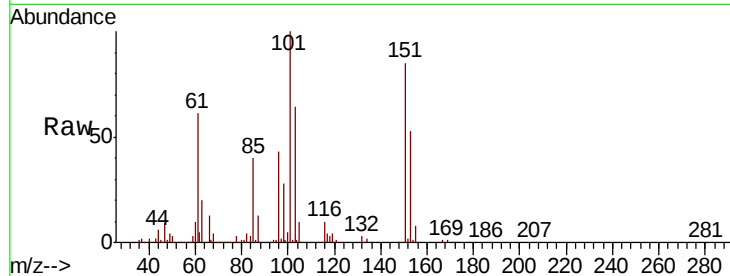
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	874481
Ion Ratio	Lower	Upper	
101	100		
85	40.0	32.4	48.6
151	85.9	68.2	102.2

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM



#10

Methyl Iodide

Concen: 43.988 ug/l

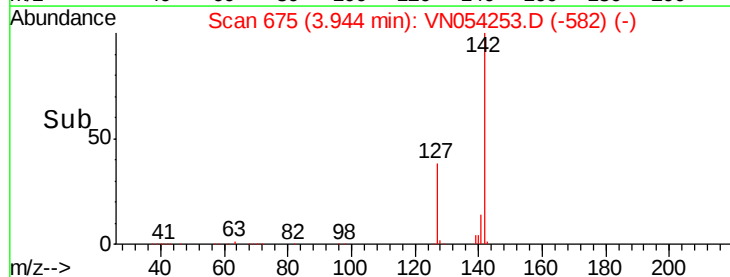
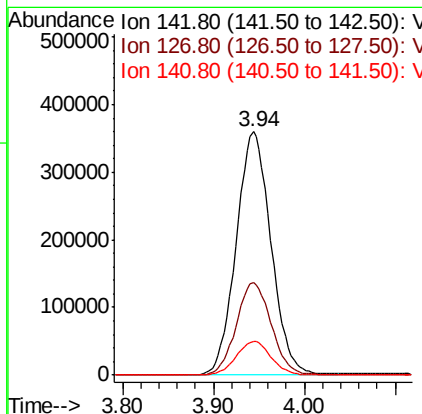
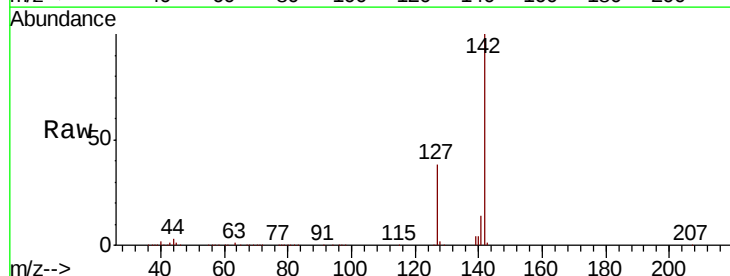
RT: 3.94 min Scan# 675

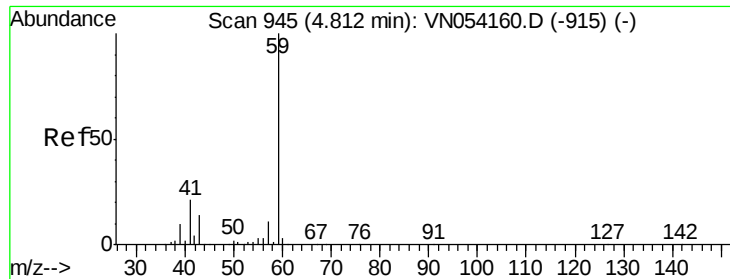
Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Tgt Ion:	142	Resp:	957815
Ion Ratio	Lower	Upper	
142	100		
127	38.3	30.3	45.5
141	14.0	11.2	16.8





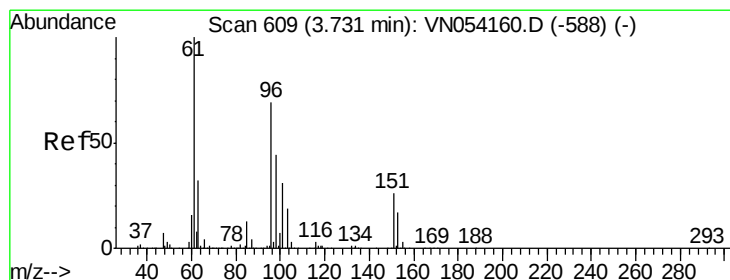
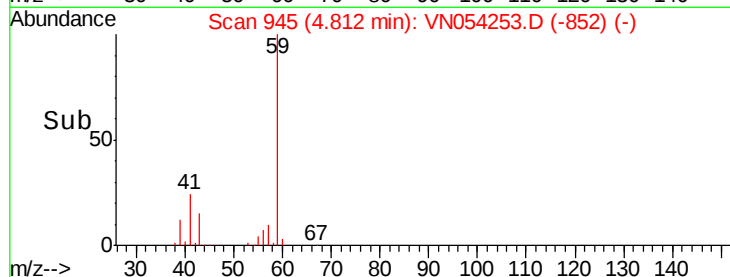
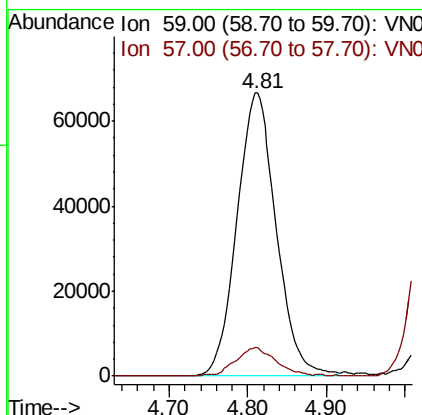
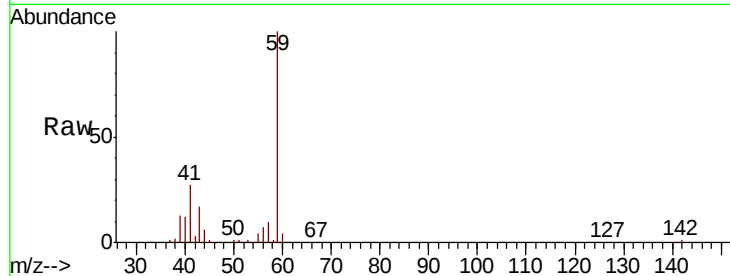
#11
Tert butyl alcohol
Concen: 218.537 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 233687
Ion Ratio Lower Upper
59 100
57 10.4 9.0 13.6

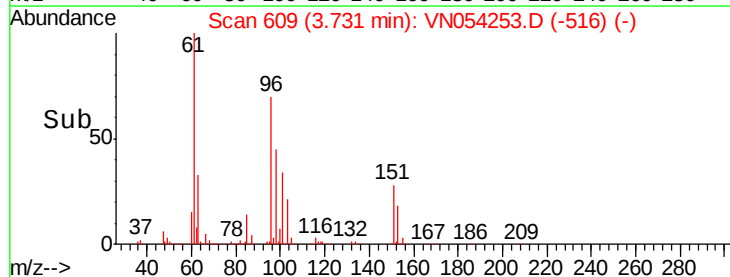
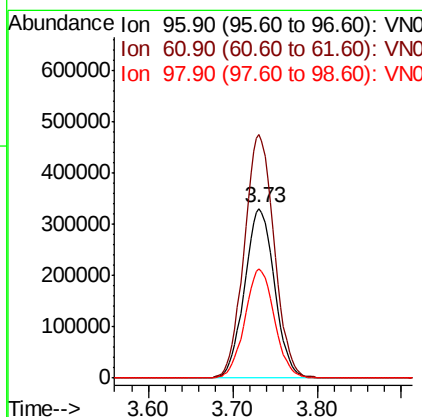
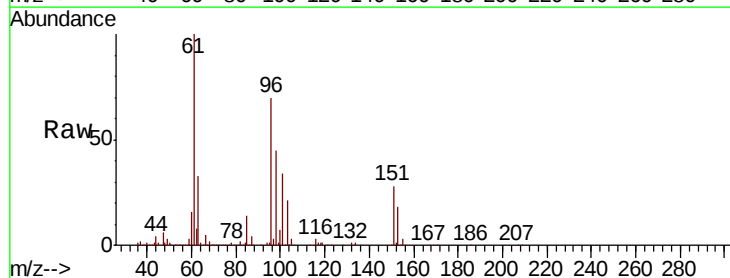
Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM



#12
1,1-Dichloroethene
Concen: 53.527 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion: 96 Resp: 816751
Ion Ratio Lower Upper
96 100
61 143.6 116.5 174.7
98 64.1 51.0 76.4





#13

Acrolein

Concen: 239.165 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 242340

Ion Ratio Lower Upper

56 100

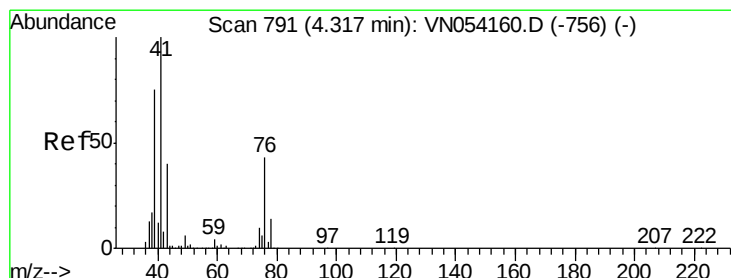
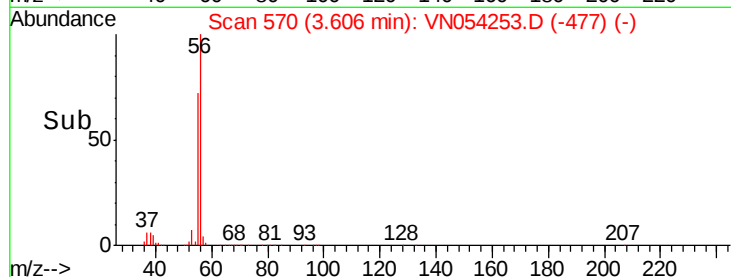
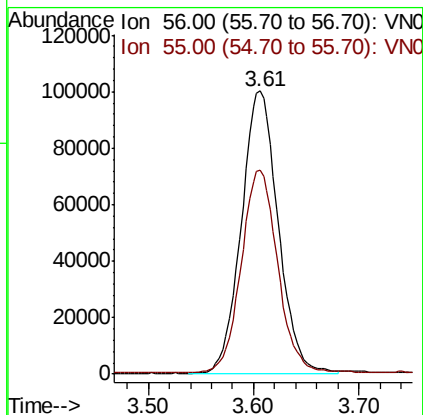
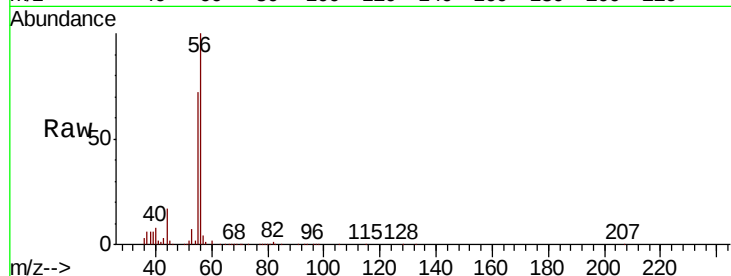
55 71.2 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

3/15/2019 9:42:06 AM



#14

Allyl chloride

Concen: 50.841 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

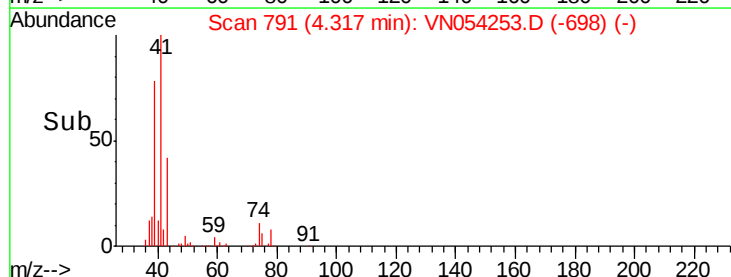
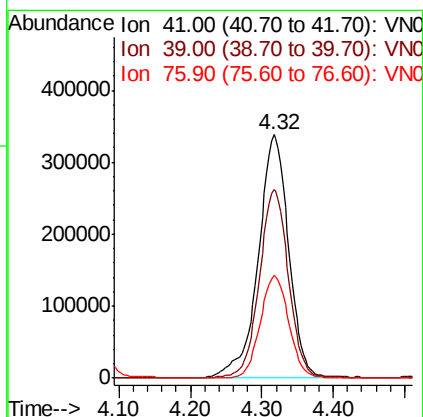
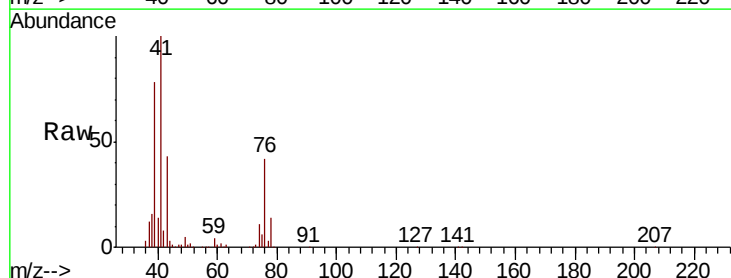
Tgt Ion: 41 Resp: 995339

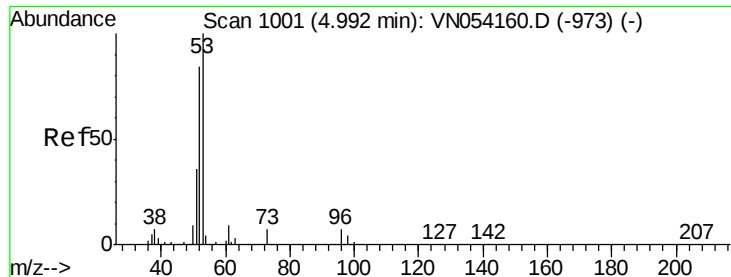
Ion Ratio Lower Upper

41 100

39 74.8 58.2 87.4

76 39.3 31.7 47.5





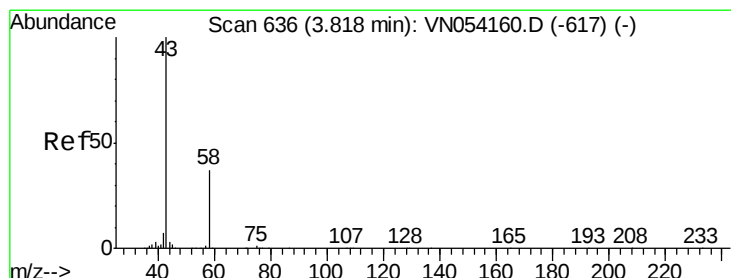
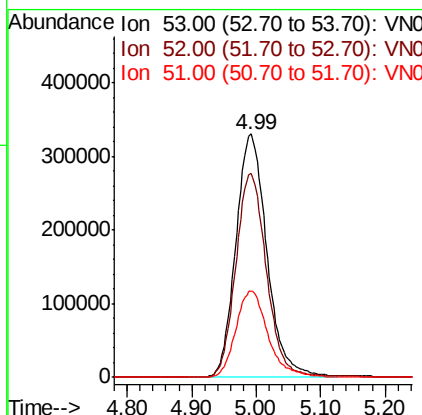
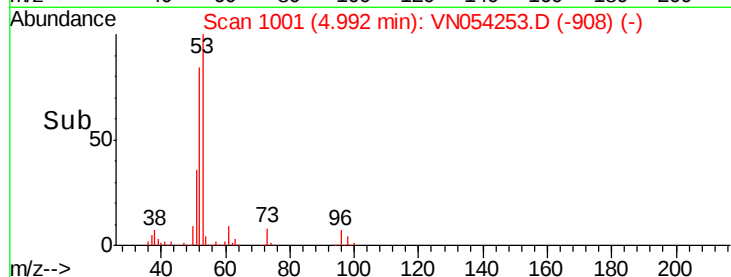
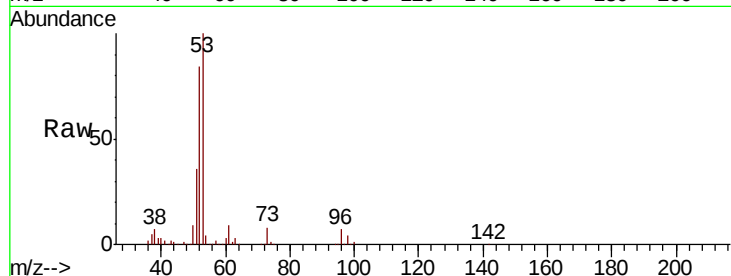
#15
Acrylonitrile
Concen: 252.934 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 1111002
Ion Ratio Lower Upper
53 100
52 82.7 66.4 99.6
51 36.9 29.6 44.4

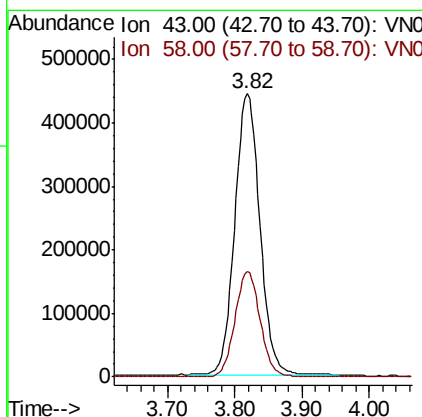
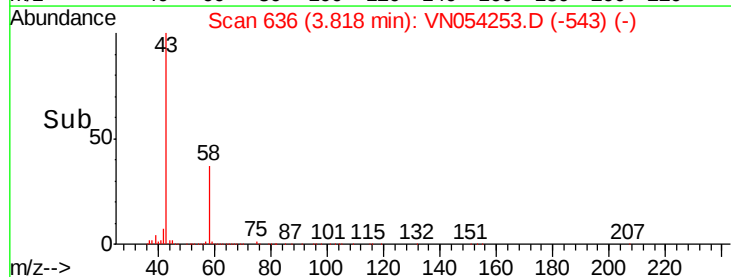
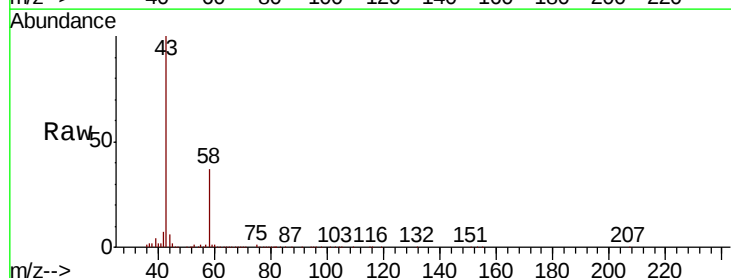
Manual Integrations
APPROVED

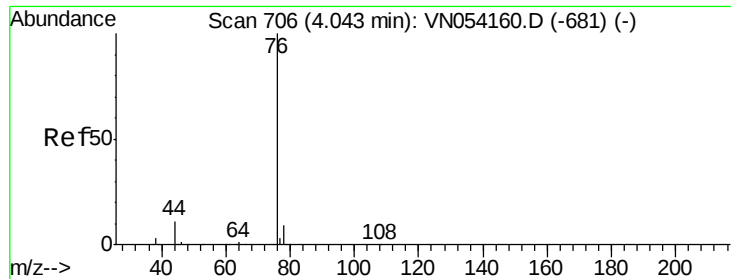
MMDadoda
3/15/2019 9:42:06 AM



#16
Acetone
Concen: 257.331 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion: 43 Resp: 1149271
Ion Ratio Lower Upper
43 100
58 37.3 29.9 44.9





#17

Carbon Disulfide

Concen: 47.490 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 1816565

Ion Ratio Lower Upper

76 100

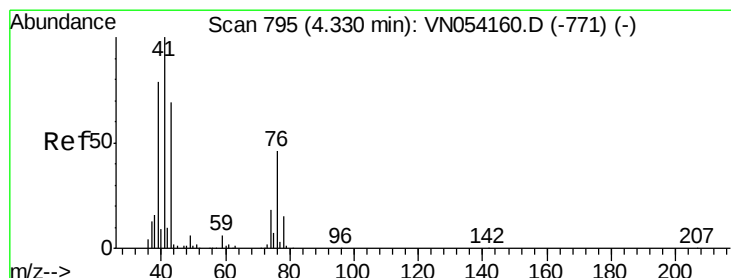
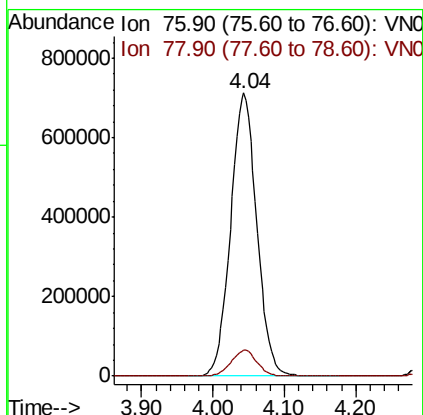
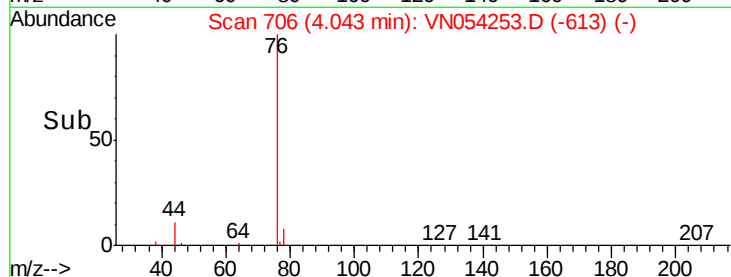
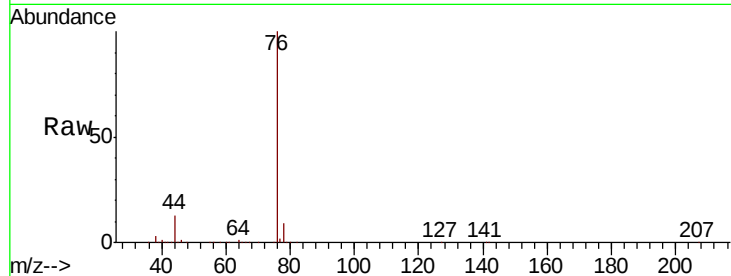
78 9.2 7.5 11.3

Manual Integrations

APPROVED

MMDadoda

3/15/2019 9:42:06 AM



#18

Methyl Acetate

Concen: 55.007 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054253.D

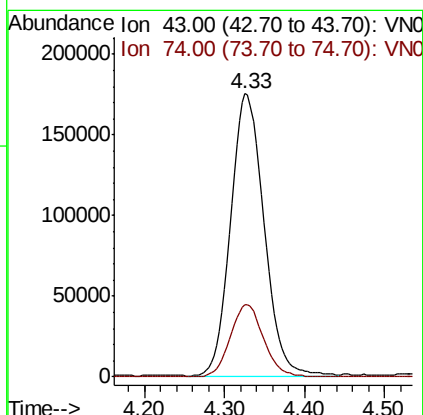
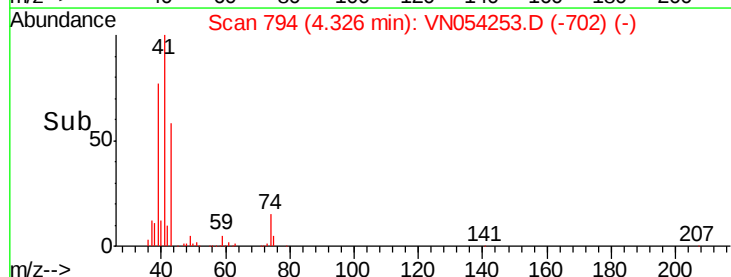
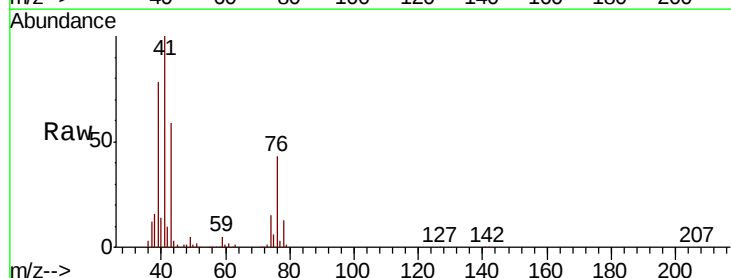
Acq: 14 Mar 2019 10:28

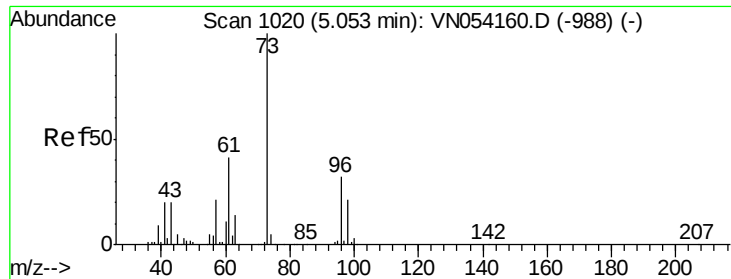
Tgt Ion: 43 Resp: 497031

Ion Ratio Lower Upper

43 100

74 25.4 20.8 31.2





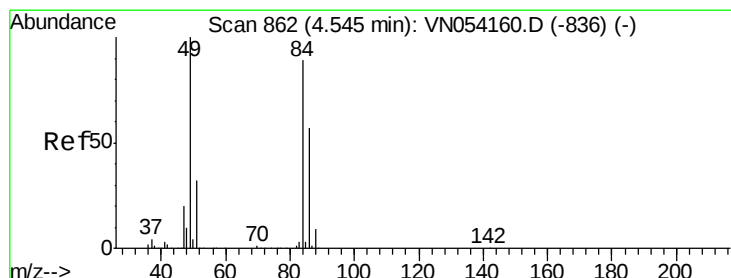
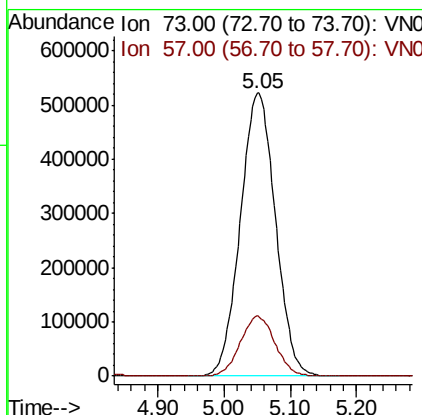
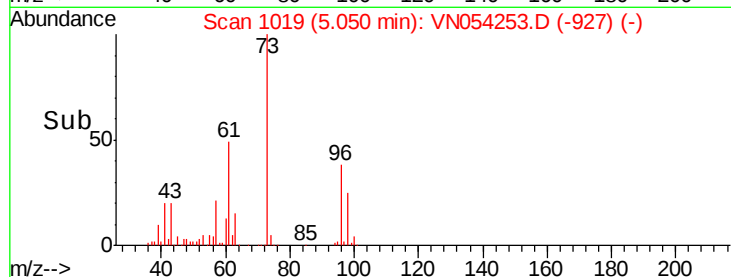
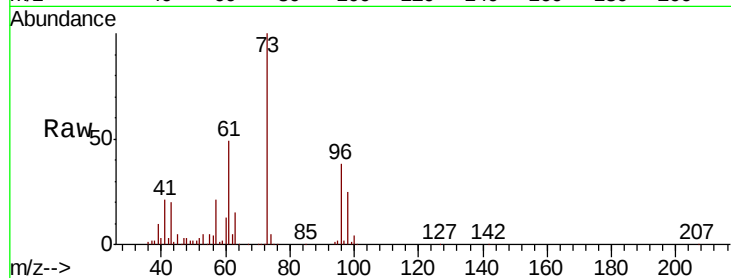
#19
Methyl tert-butyl Ether
Concen: 50.834 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1922644
Ion Ratio Lower Upper
73 100
57 21.3 16.8 25.2

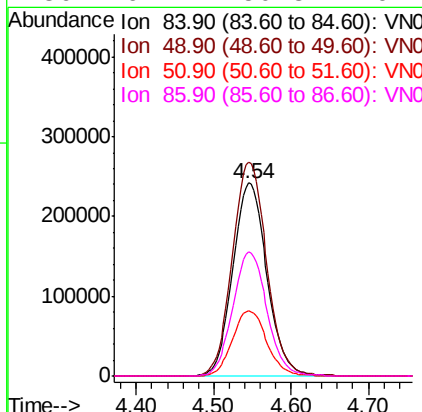
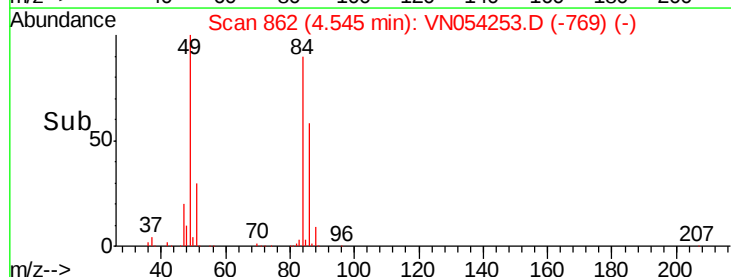
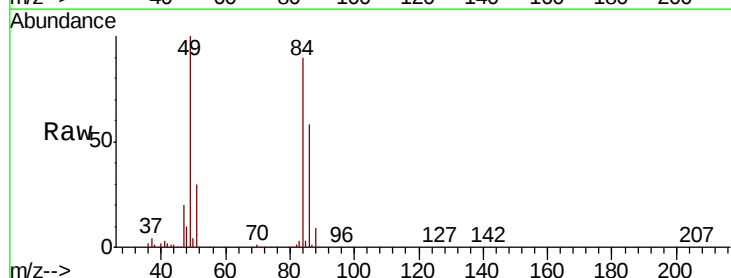
Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM



#20
Methylene Chloride
Concen: 50.470 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion: 84 Resp: 740121
Ion Ratio Lower Upper
84 100
49 110.6 89.7 134.5
51 33.4 28.2 42.4
86 64.4 50.8 76.2





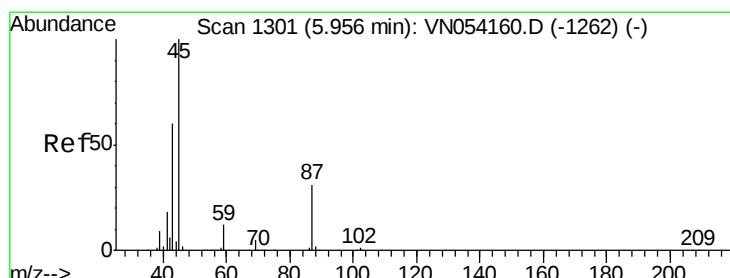
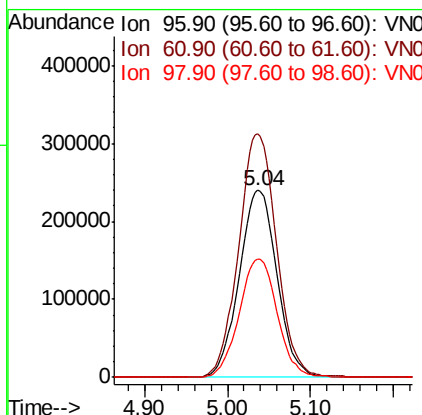
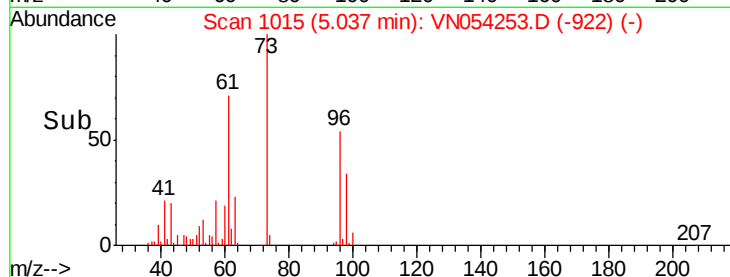
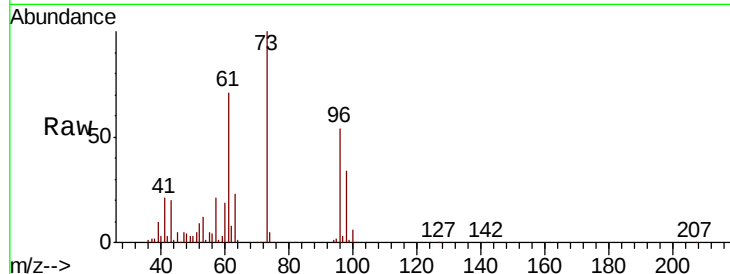
#21
trans-1,2-Dichloroethene
Concen: 51.927 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.1	102.8	154.2
98	63.3	50.0	75.0

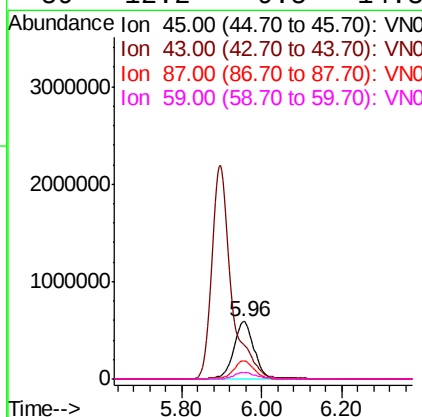
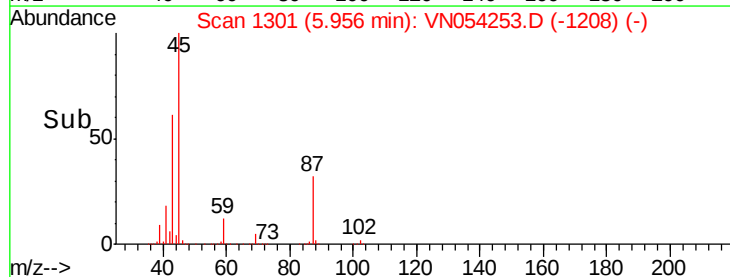
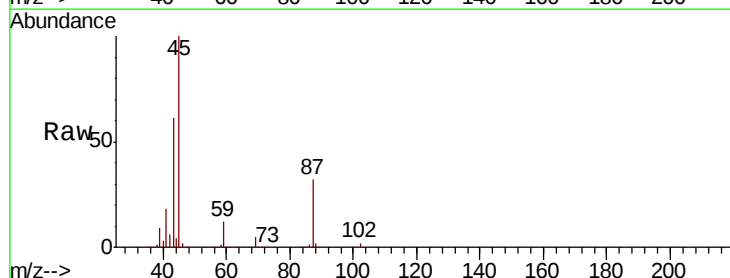
Manual Integrations
APPROVED

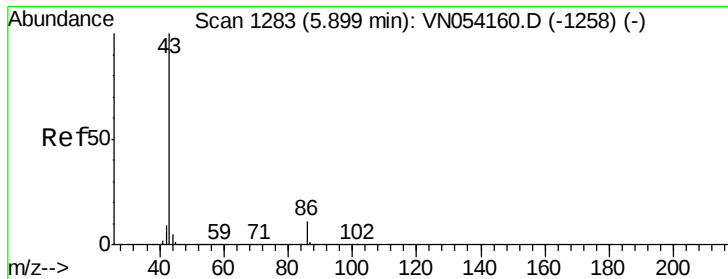
MMDadoda
3/15/2019 9:42:06 AM



#22
Diisopropyl ether
Concen: 52.809 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.0	48.2	72.2
87	31.3	24.9	37.3
59	12.2	9.5	14.3





#23

Vinyl Acetate

Concen: 258.361 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 7443086

Ion Ratio Lower Upper

43 100

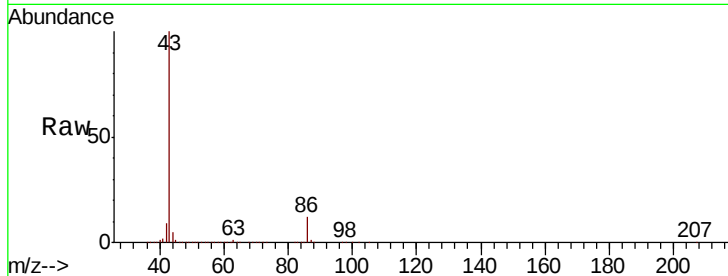
86 11.5 9.1 13.7

Manual Integrations

APPROVED

MMDadoda

3/15/2019 9:42:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

2500000

2000000

1500000

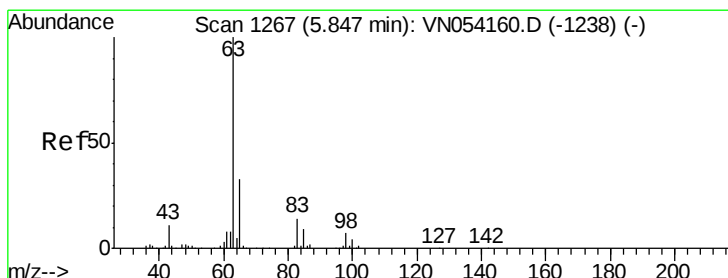
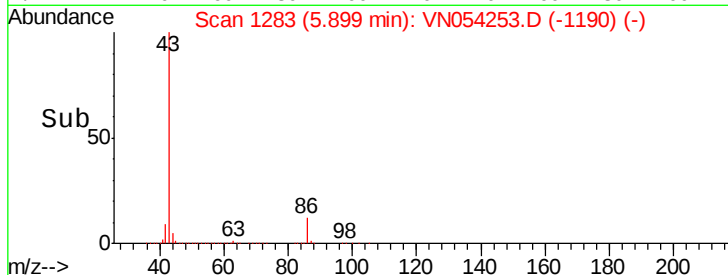
1000000

500000

0

Time-->

5.80 5.90 6.00 6.20



#24

1,1-Dichloroethane

Concen: 51.540 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

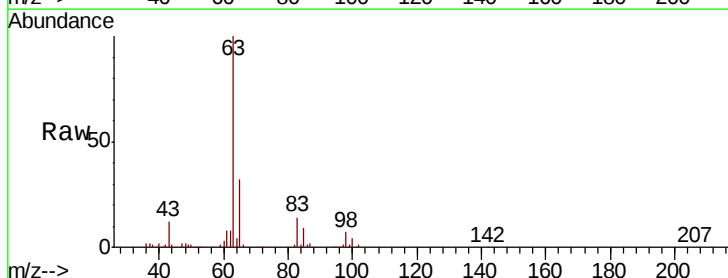
Tgt Ion: 63 Resp: 1293039

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

500000

400000

300000

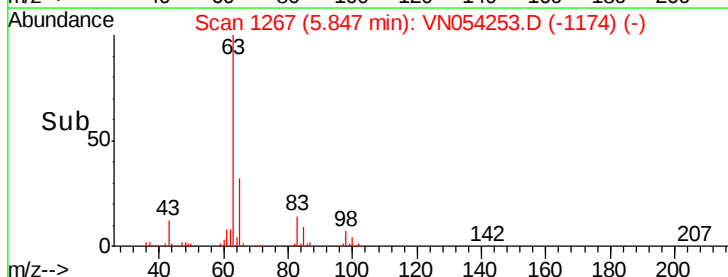
200000

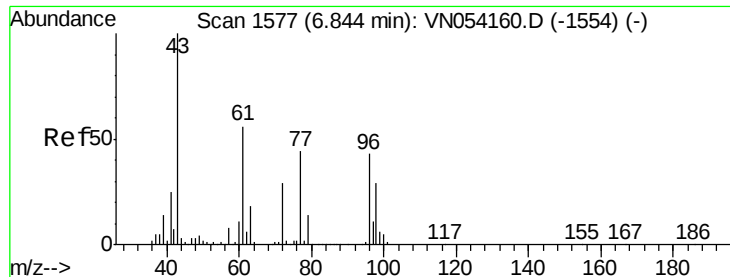
100000

0

Time-->

5.70 5.80 5.90 6.00





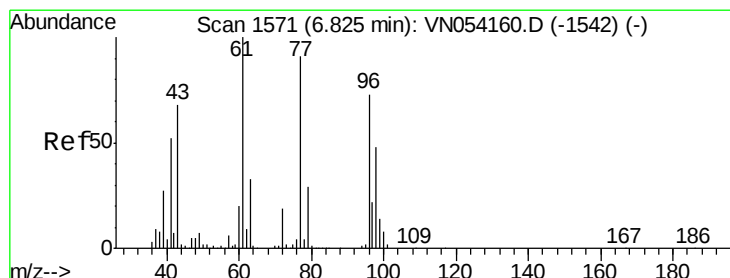
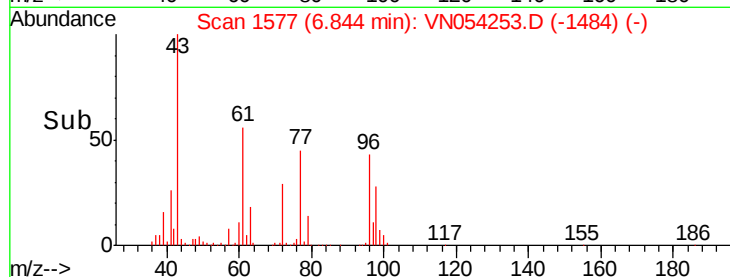
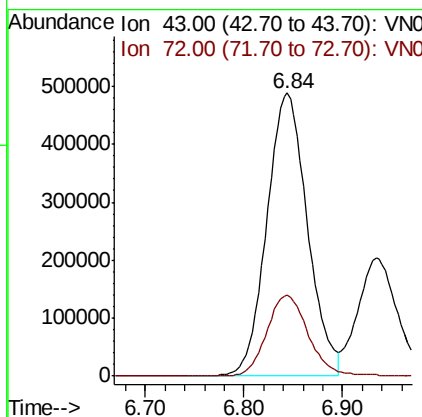
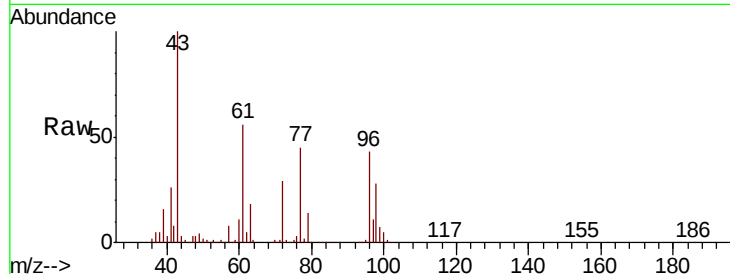
#25
 2-Butanone
 Concen: 264.707 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN054253.D
 Acq: 14 Mar 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1387553
 Ion Ratio Lower Upper
 43 100
 72 28.7 23.0 34.6

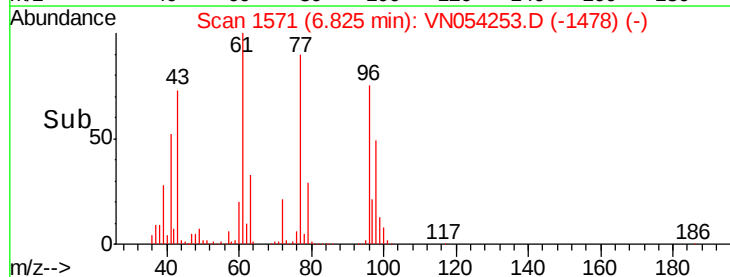
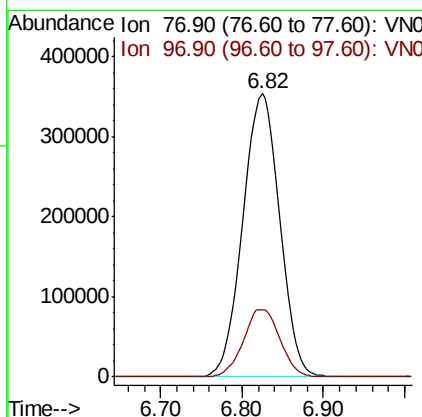
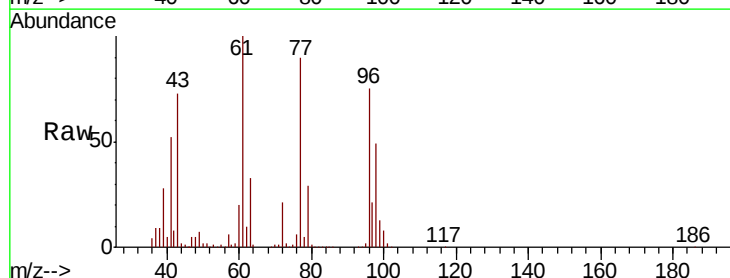
Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:42:06 AM



#26
 2,2-Dichloropropane
 Concen: 50.140 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN054253.D
 Acq: 14 Mar 2019 10:28

Tgt Ion: 77 Resp: 1106208
 Ion Ratio Lower Upper
 77 100
 97 23.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 53.287 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Instrument :

MSVOA_N

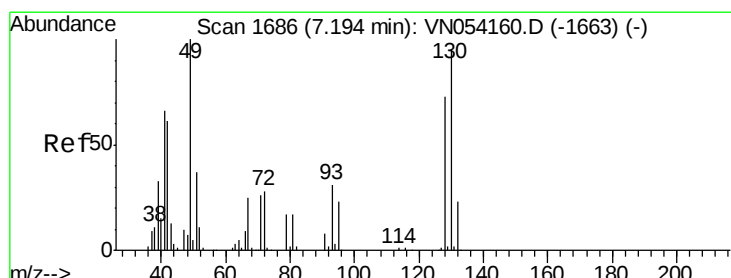
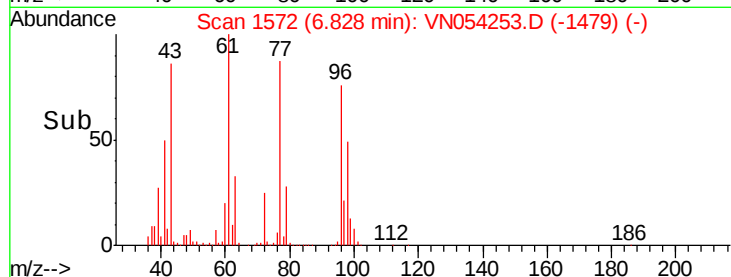
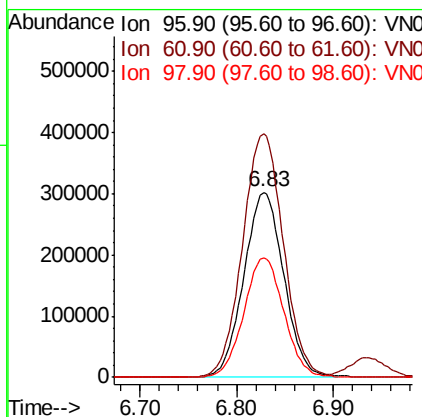
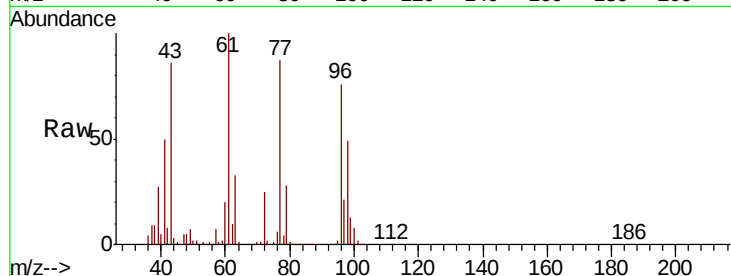
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	869124
Ion	Ratio	Lower	Upper
96	100		
61	134.4	0.0	273.0
98	64.8	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM



#28

Bromochloromethane

Concen: 47.894 ug/l

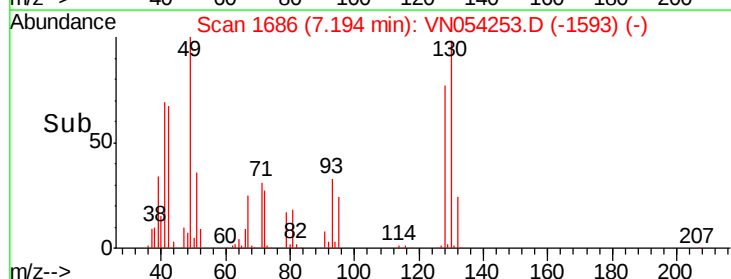
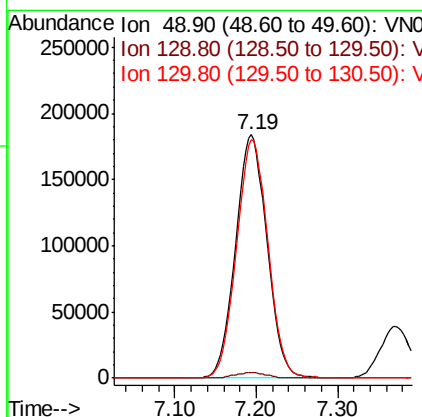
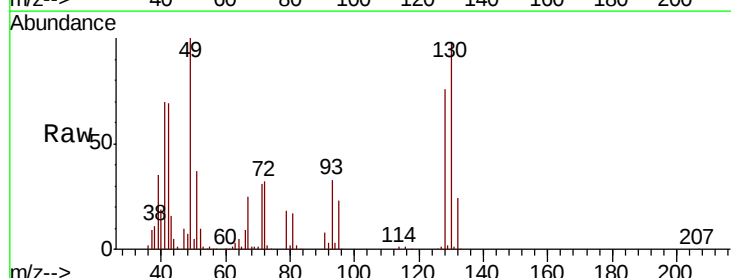
RT: 7.19 min Scan# 1686

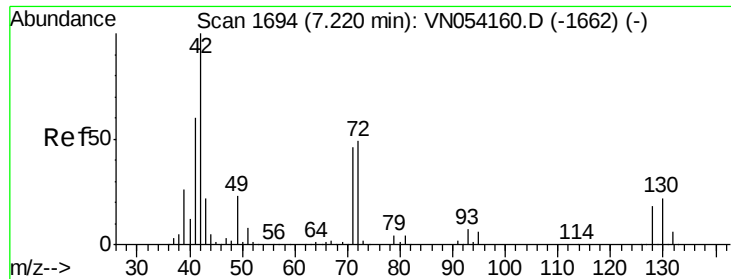
Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Tgt Ion:	49	Resp:	491216
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.6
130	97.5	76.7	115.1





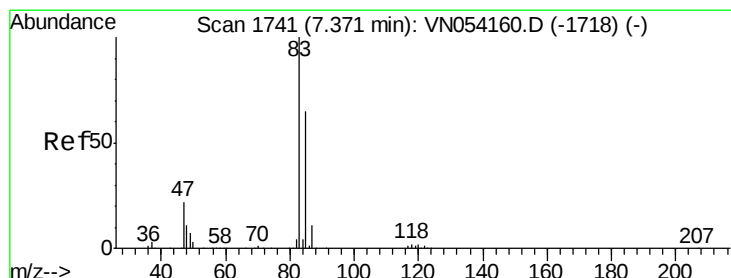
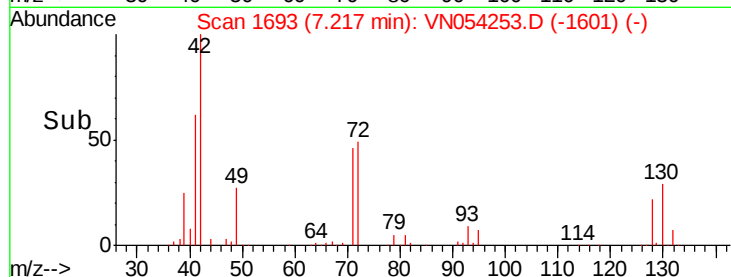
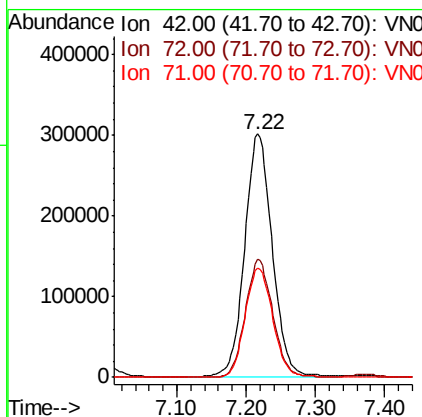
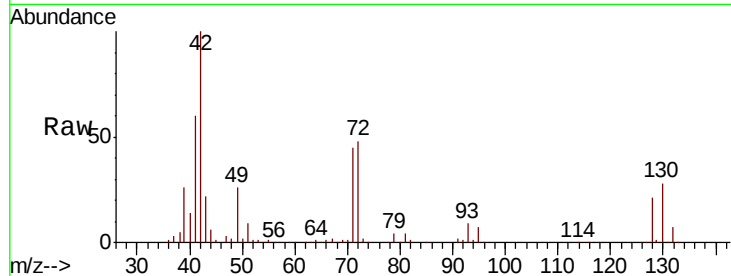
#29
Tetrahydrofuran
Concen: 247.445 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.8	56.6
71	45.0	36.2	54.2

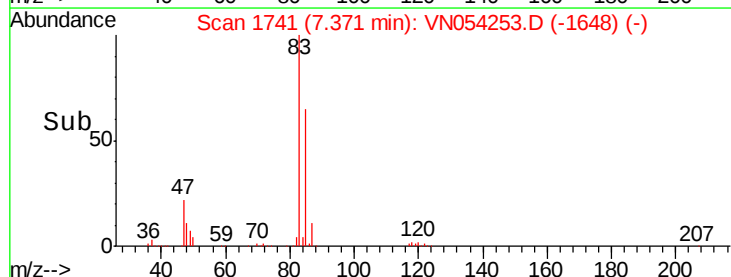
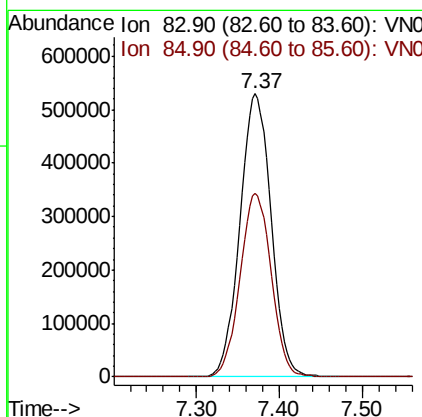
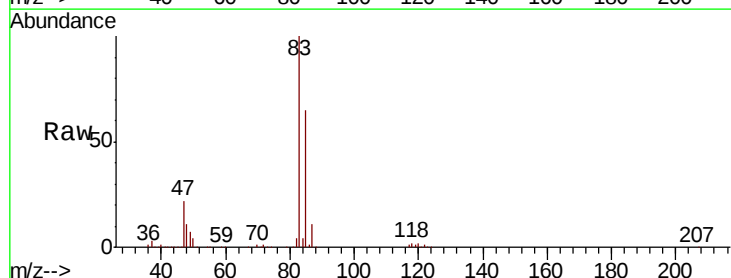
Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM



#30
Chloroform
Concen: 52.863 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.4





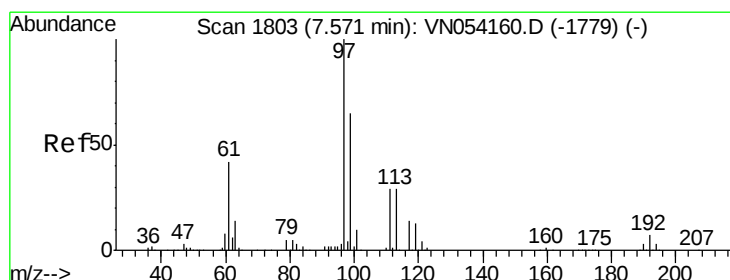
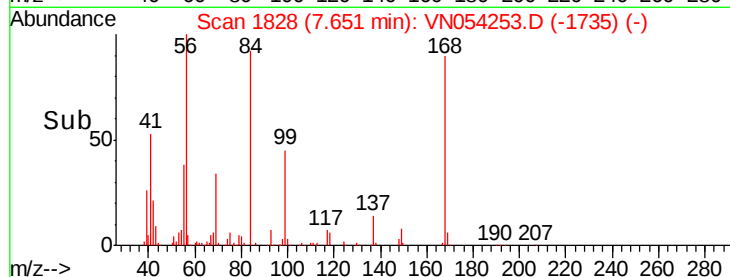
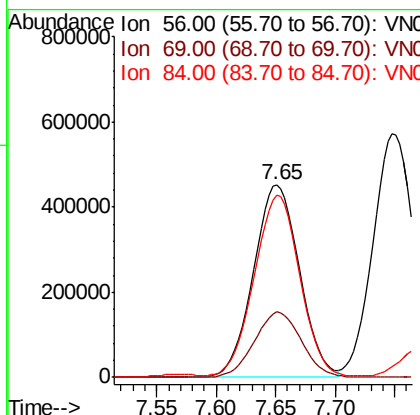
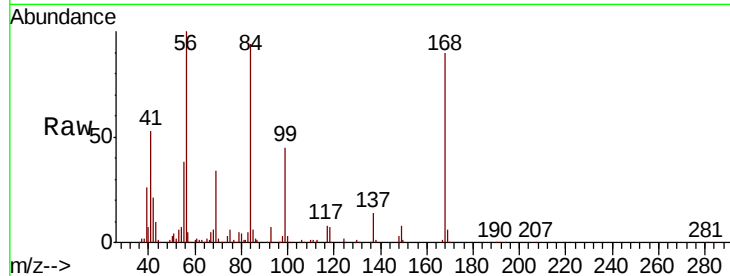
#31
Cyclohexane
Concen: 51.573 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 1208753
Ion Ratio Lower Upper
56 100
69 33.9 27.8 41.6
84 93.0 74.6 111.8

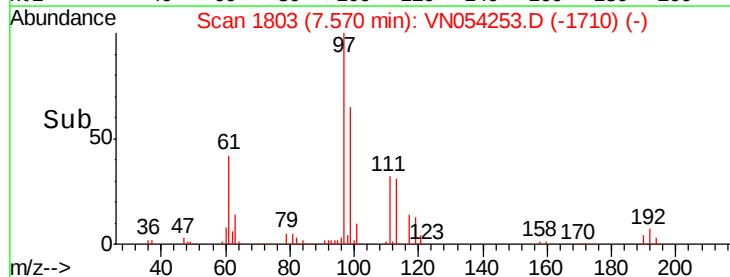
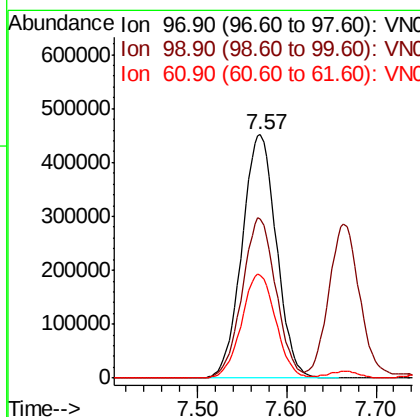
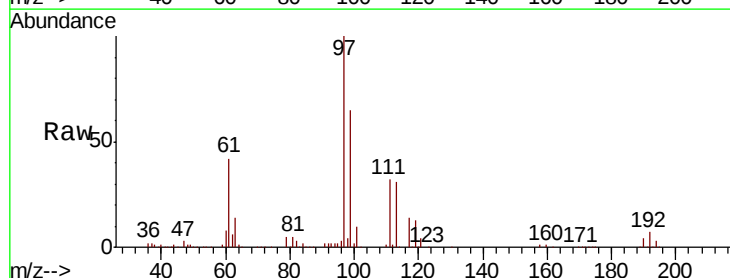
Manual Integrations
APPROVED

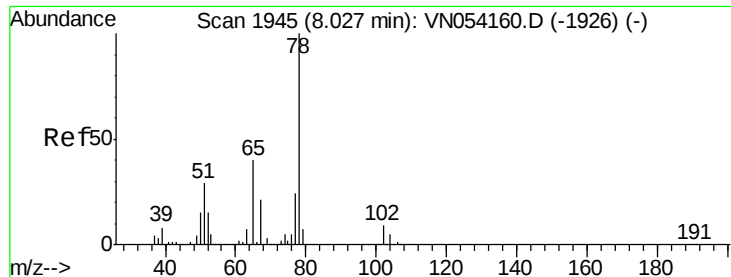
MMDadoda
3/15/2019 9:42:06 AM



#32
1,1,1-Trichloroethane
Concen: 51.131 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion: 97 Resp: 1208904
Ion Ratio Lower Upper
97 100
99 64.7 51.5 77.3
61 42.5 33.6 50.4





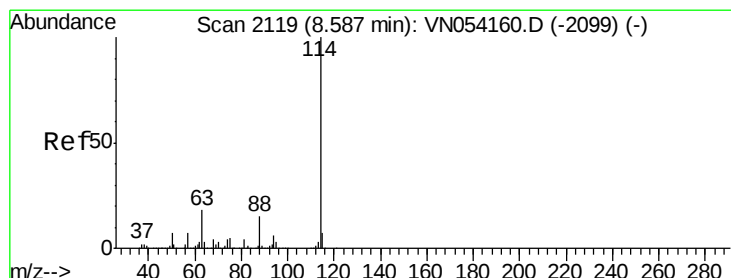
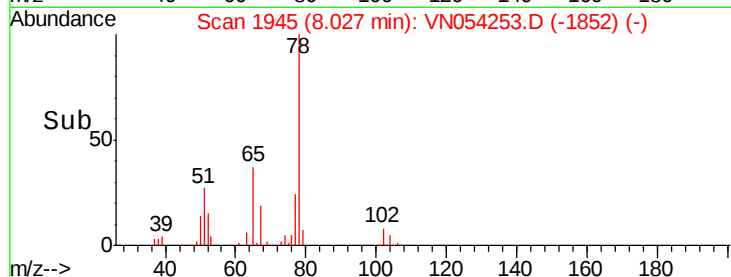
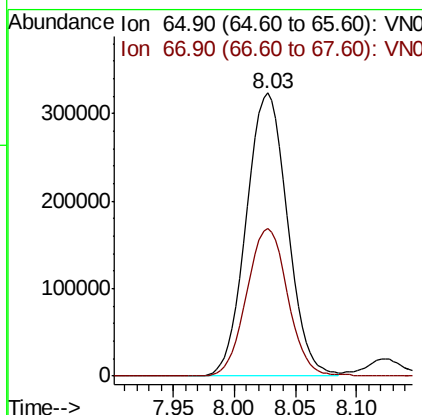
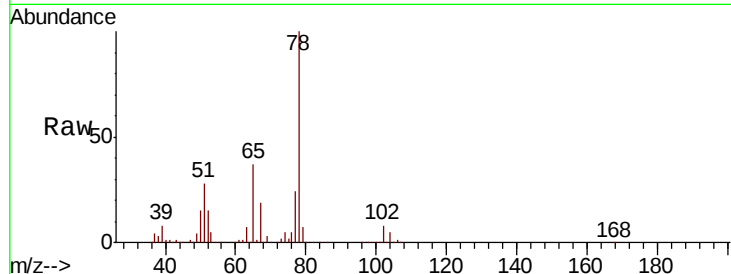
#33
 1,2-Dichloroethane-d4
 Concen: 48.486 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054253.D
 Acq: 14 Mar 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	756286		
67	52.2	0.0	104.6	

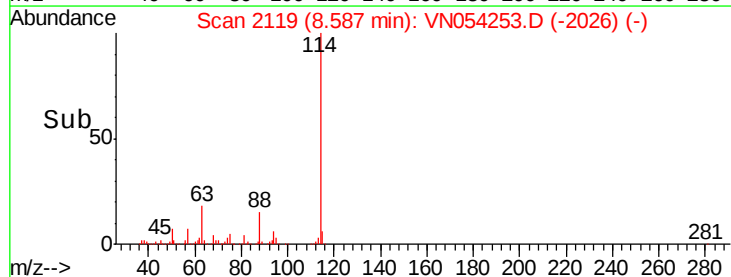
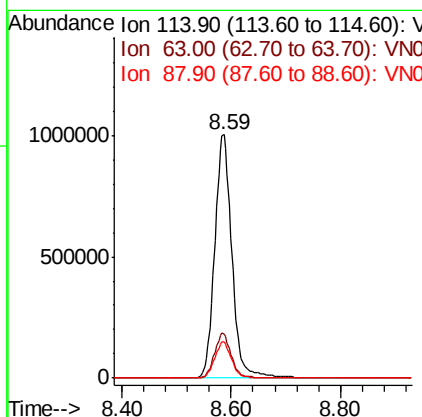
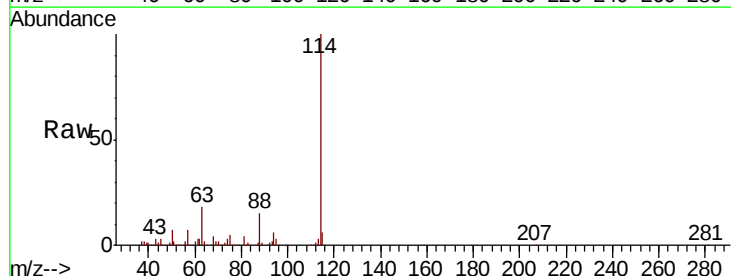
Manual Integrations
 APPROVED

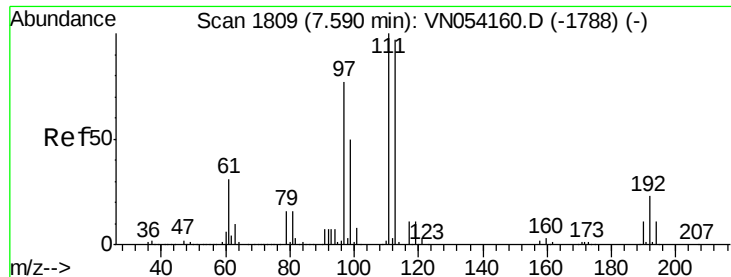
MMDadoda
 3/15/2019 9:42:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054253.D
 Acq: 14 Mar 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2185676		
63	18.3	0.0	35.2	
88	14.8	0.0	30.2	





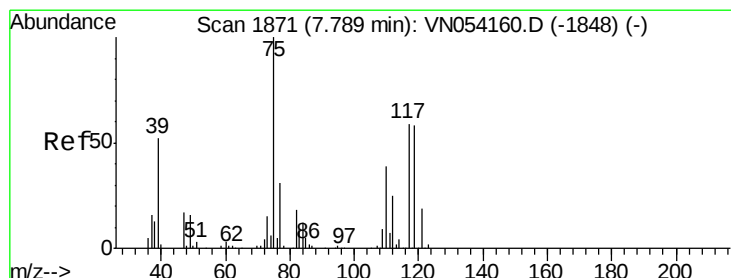
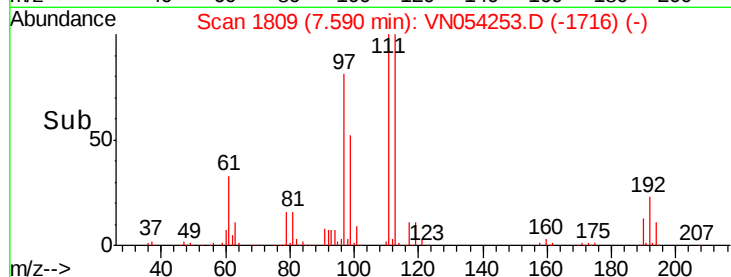
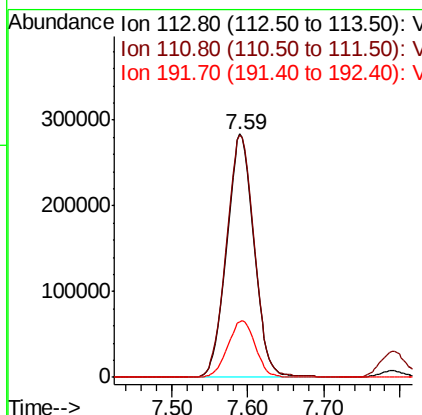
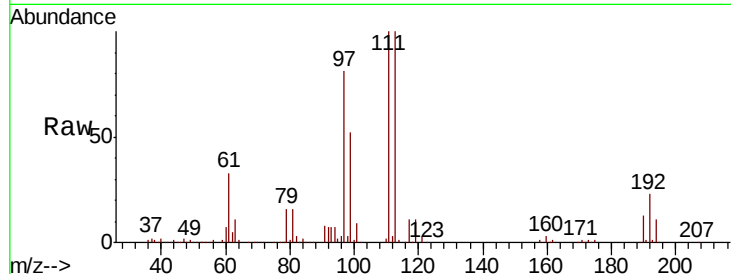
#35
Dibromofluoromethane
Concen: 50.175 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	707309		
111	101.3	82.2	123.4	
192	23.5	19.2	28.8	

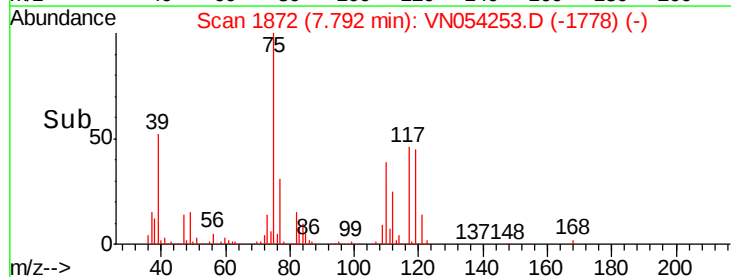
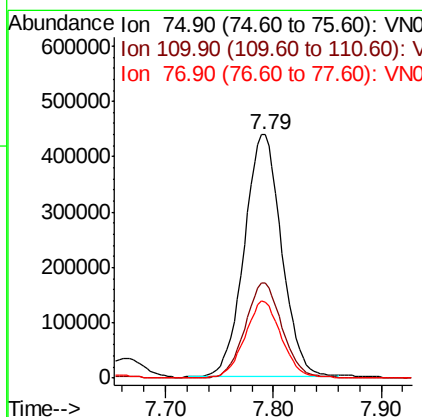
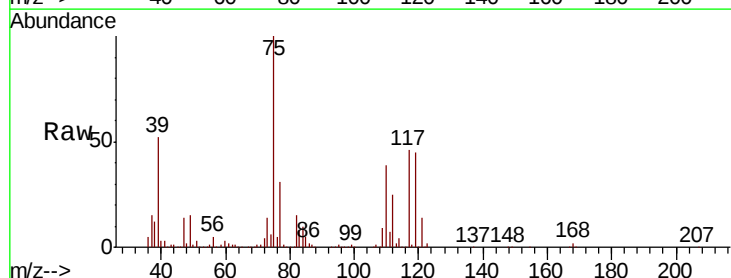
Manual Integrations
APPROVED

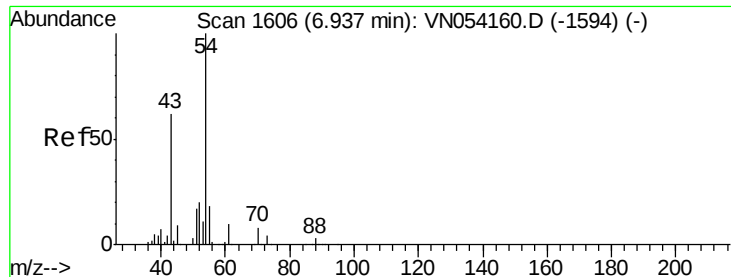
MMDadoda
3/15/2019 9:42:06 AM



#36
1,1-Dichloropropene
Concen: 52.400 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1054711		
110	39.1	19.1	57.5	
77	31.6	25.0	37.4	





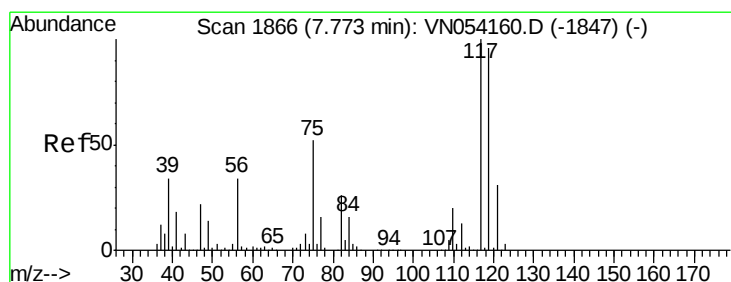
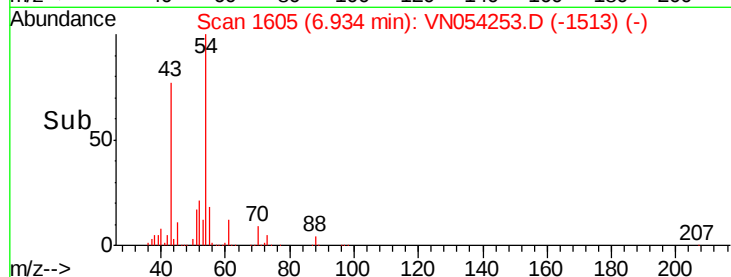
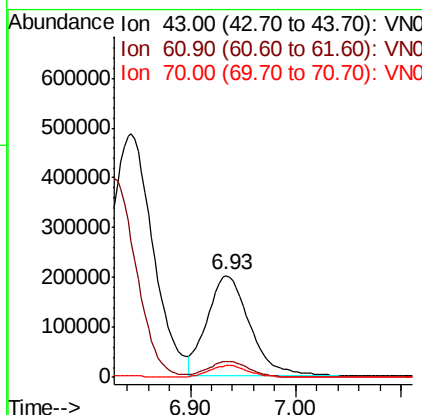
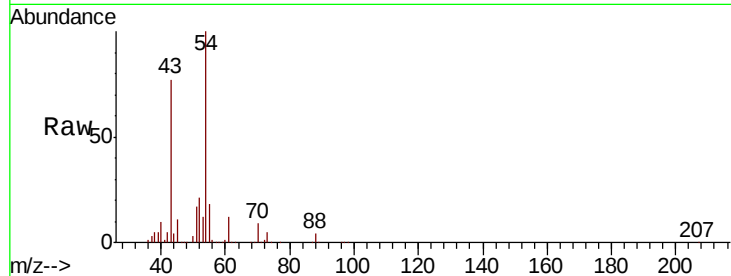
#37
Ethyl Acetate
Concen: 48.902 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.6
70	10.8	8.4	12.6

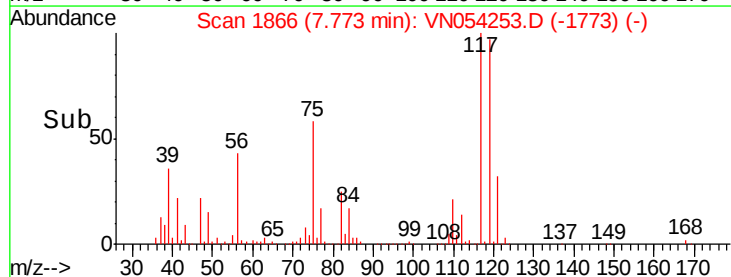
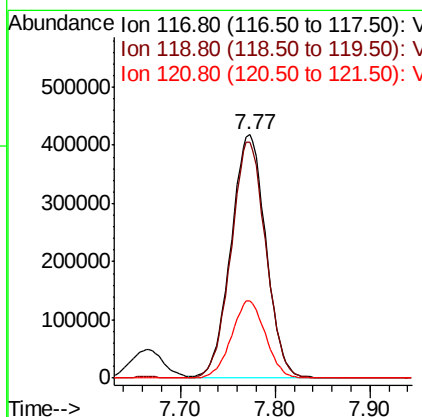
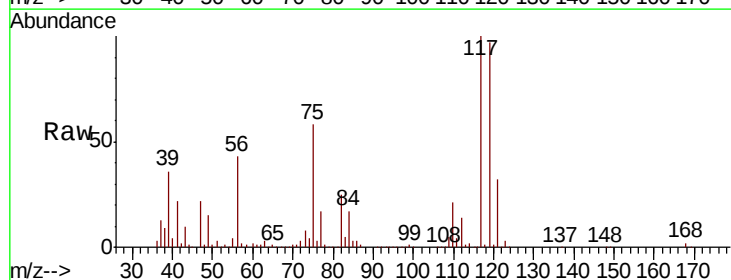
Manual Integrations
APPROVED

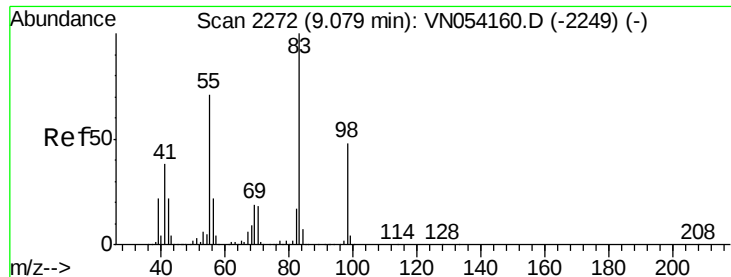
MMDadoda
3/15/2019 9:42:06 AM



#38
Carbon Tetrachloride
Concen: 50.682 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.3	114.5
121	32.0	24.6	36.8





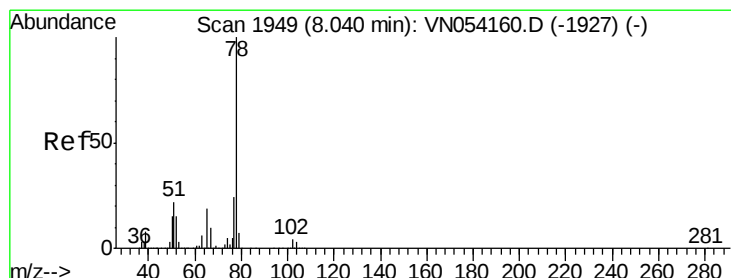
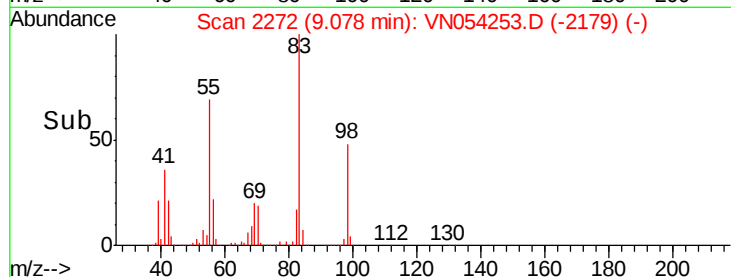
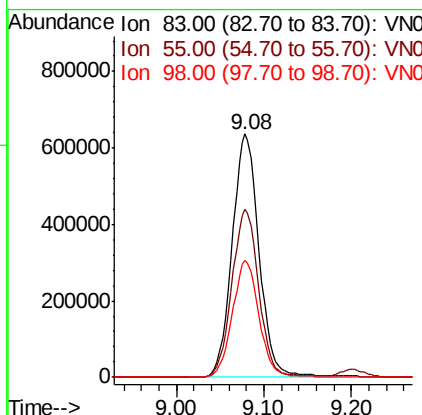
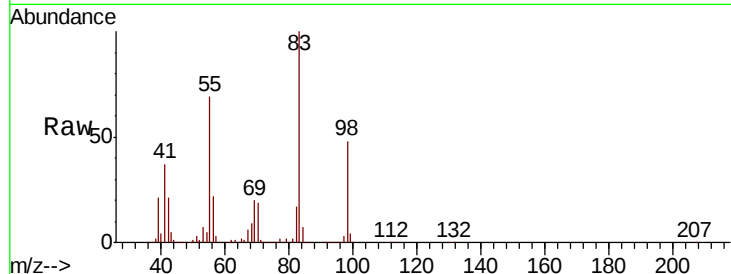
#39
Methylcyclohexane
Concen: 54.895 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 1359497
Ion Ratio Lower Upper
83 100
55 68.9 56.6 84.8
98 48.2 38.4 57.6

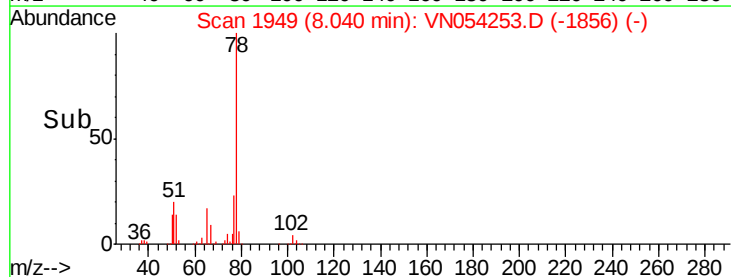
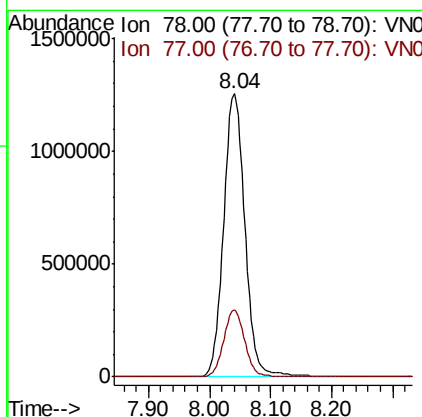
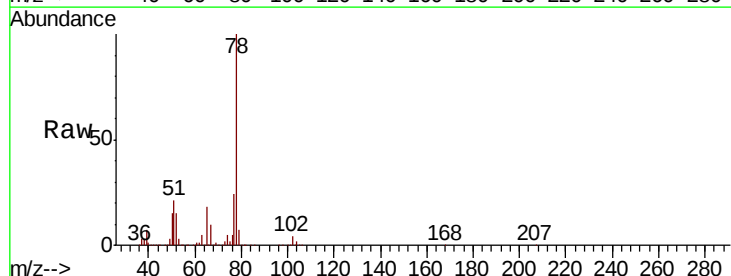
Manual Integrations
APPROVED

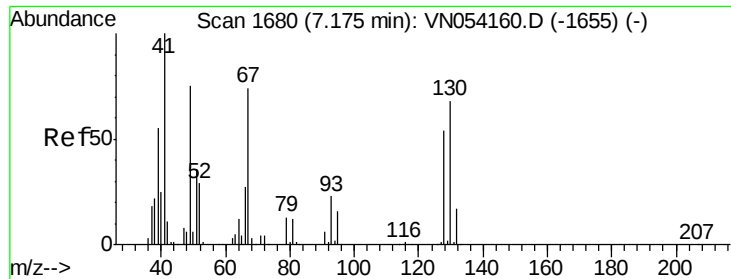
MMDadoda
3/15/2019 9:42:06 AM



#40
Benzene
Concen: 52.728 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion: 78 Resp: 3037079
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7





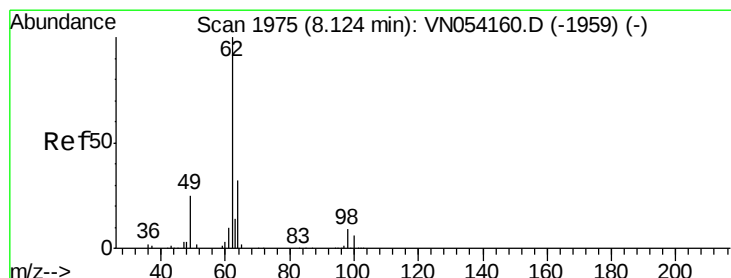
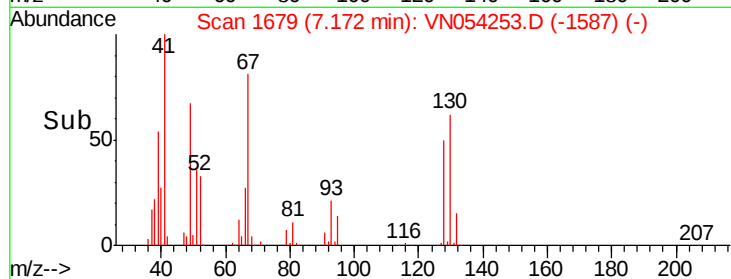
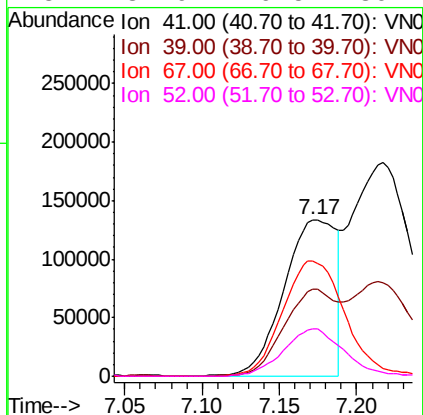
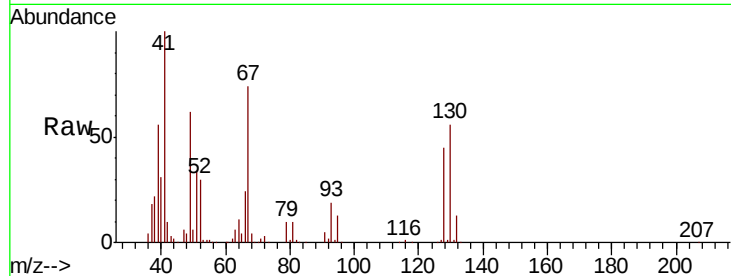
#41
Methacrylonitrile
Concen: 47.402 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.2	46.8	70.2
67	88.9	67.0	100.4
52	34.9	26.5	39.7

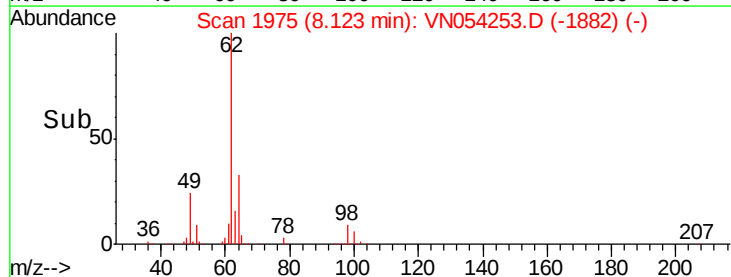
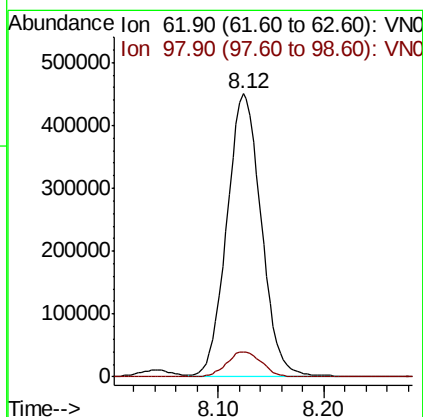
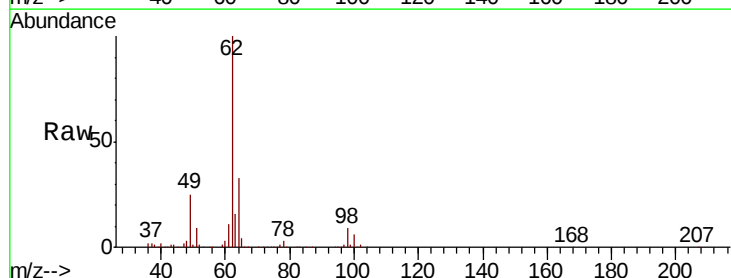
Manual Integrations
APPROVED

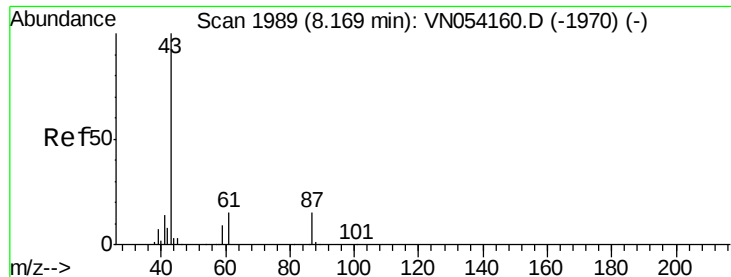
MMDadoda
3/15/2019 9:42:06 AM



#42
1,2-Dichloroethane
Concen: 52.093 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





#43

Isopropyl Acetate

Concen: 49.562 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1006129

Ion Ratio Lower Upper

43 100

61 20.7 15.8 23.8

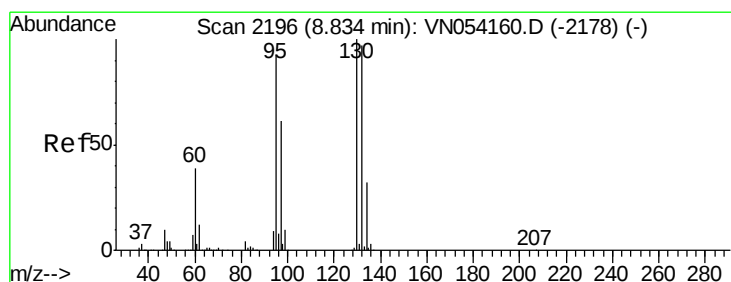
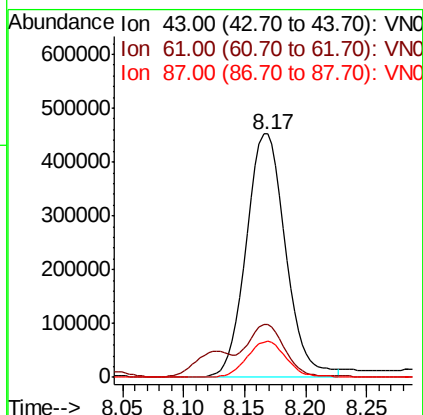
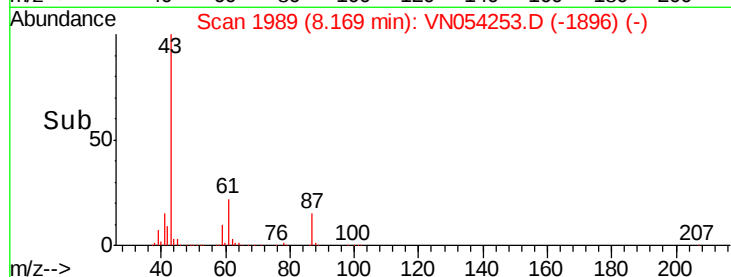
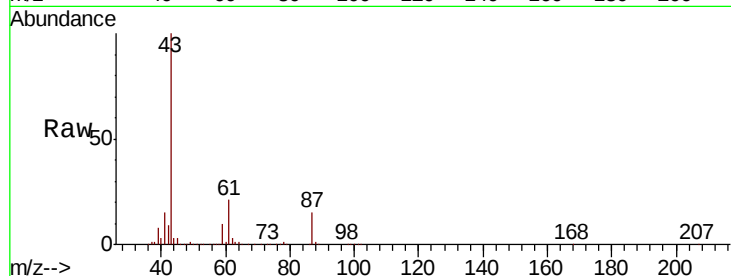
87 15.0 12.0 18.0

Manual Integrations

APPROVED

MMDadoda

3/15/2019 9:42:06 AM



#44

Trichloroethene

Concen: 52.823 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054253.D

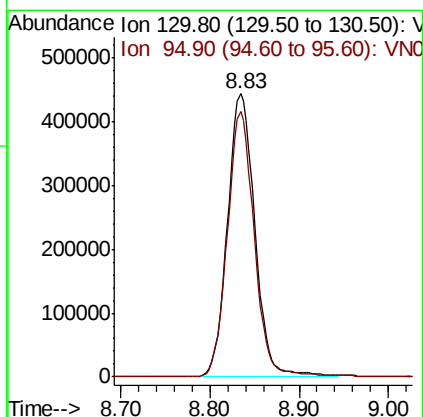
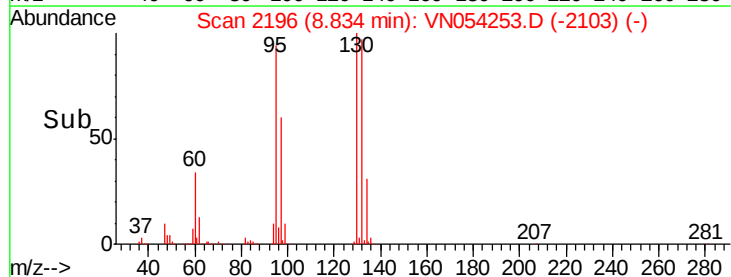
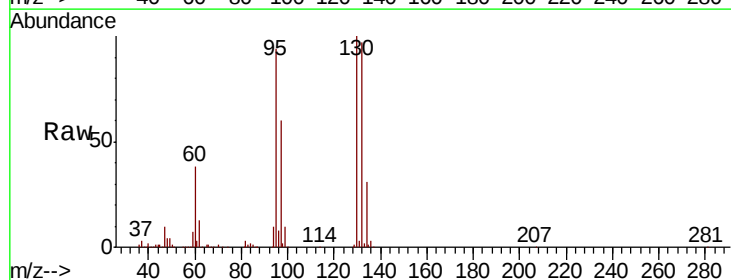
Acq: 14 Mar 2019 10:28

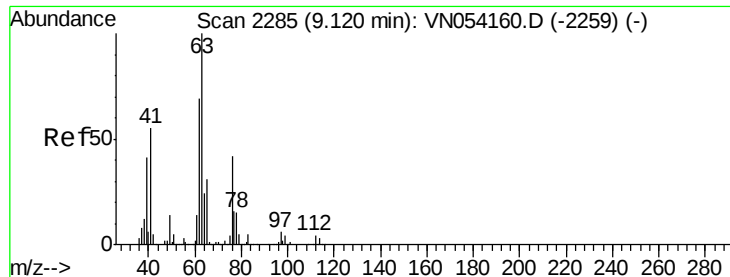
Tgt Ion: 130 Resp: 945163

Ion Ratio Lower Upper

130 100

95 93.7 0.0 185.2





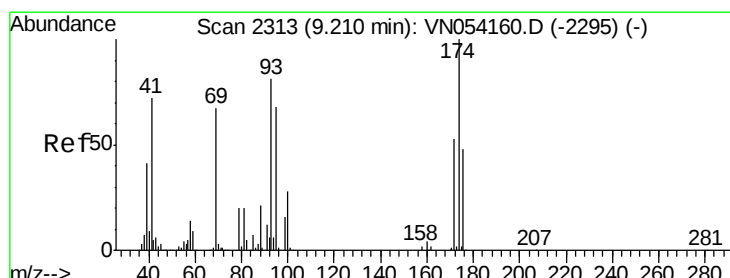
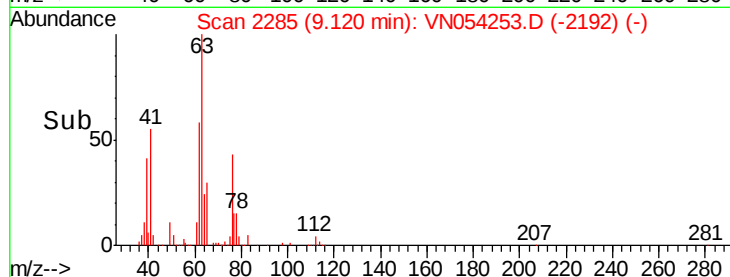
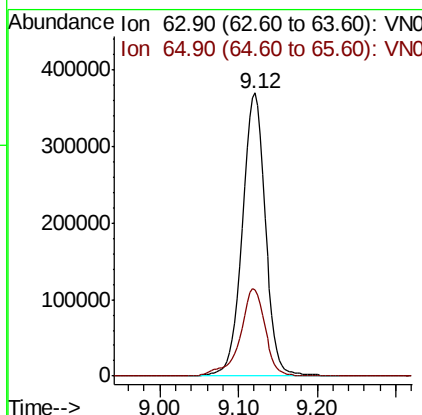
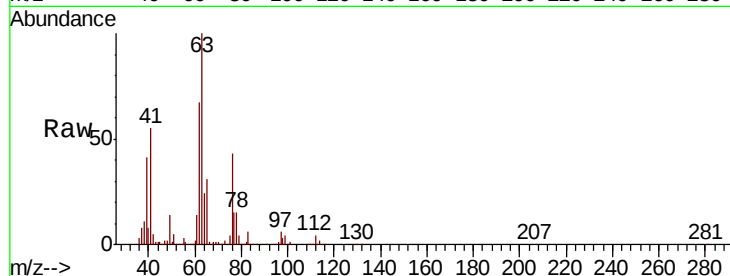
#45
1,2-Dichloropropane
Concen: 53.235 ug/l
RT: 9.12 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.0	37.6

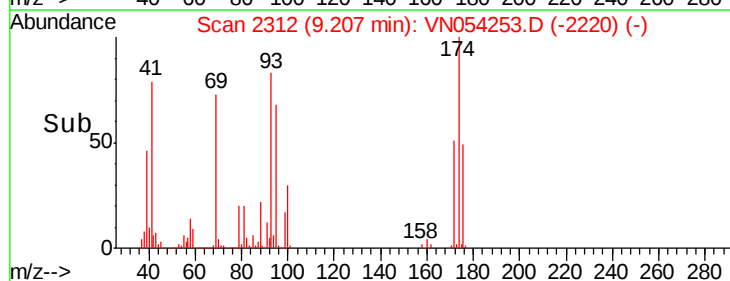
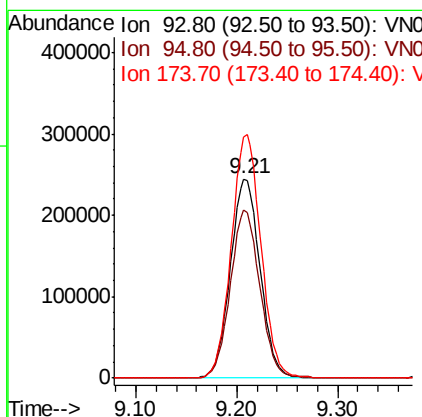
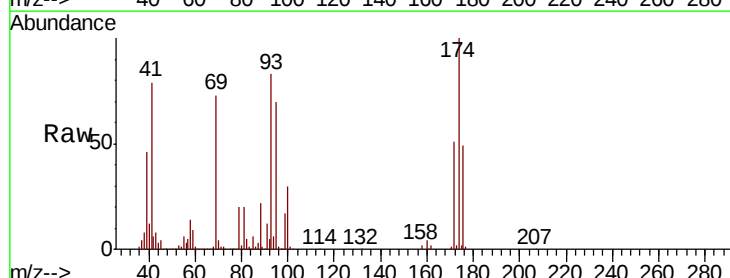
Manual Integrations
APPROVED

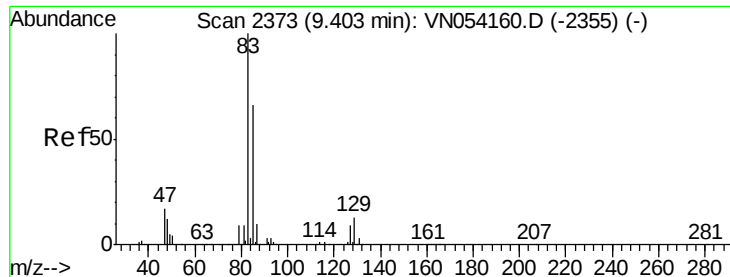
MMDadoda
3/15/2019 9:42:06 AM



#46
Dibromomethane
Concen: 52.041 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.7	100.1
174	121.8	98.5	147.7





#47

Bromodichloromethane

Concen: 53.554 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 1037499

Ion Ratio Lower Upper

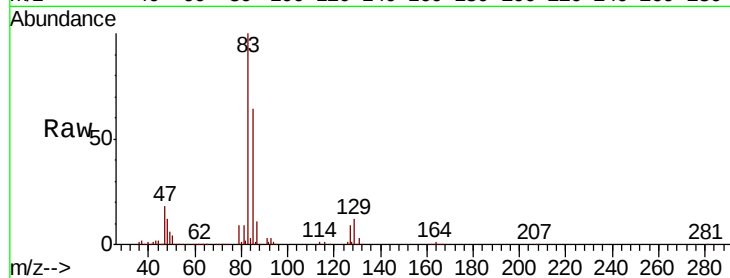
83 100

85 63.8 52.8 79.2

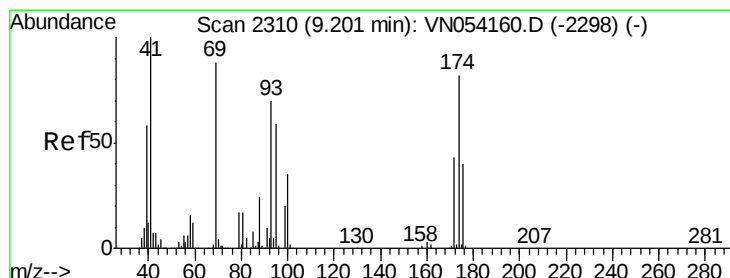
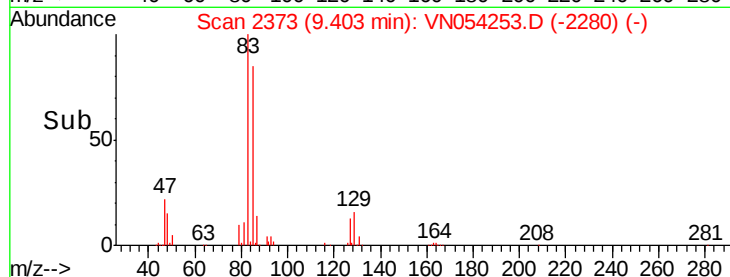
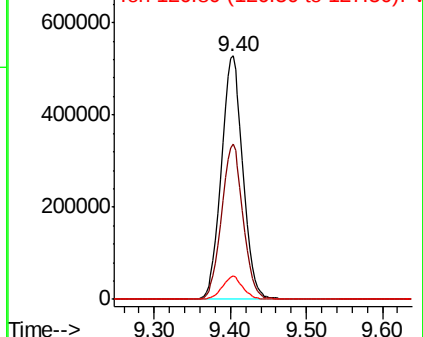
127 9.5 7.4 11.2

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM



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



#48

Methyl methacrylate

Concen: 51.922 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

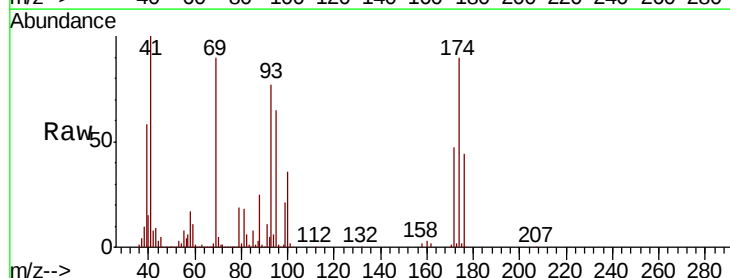
Tgt Ion: 41 Resp: 534906

Ion Ratio Lower Upper

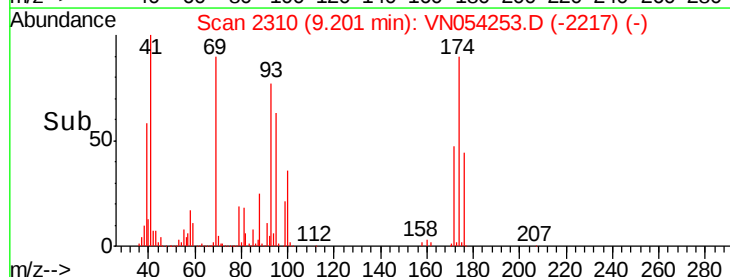
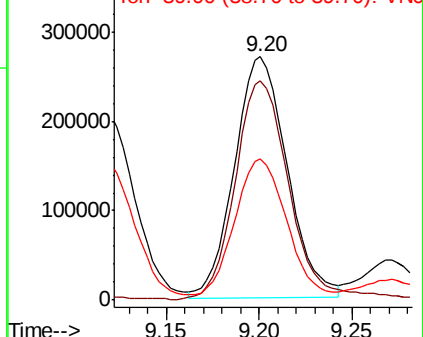
41 100

69 92.9 72.6 108.8

39 58.2 47.5 71.3



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





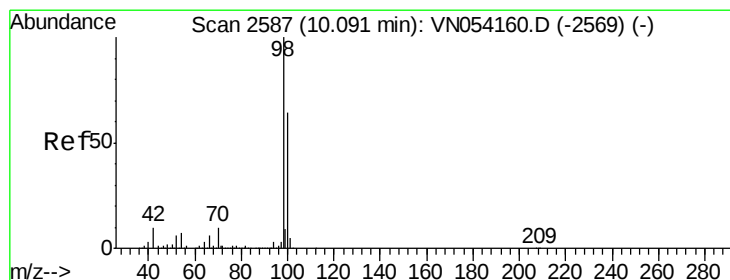
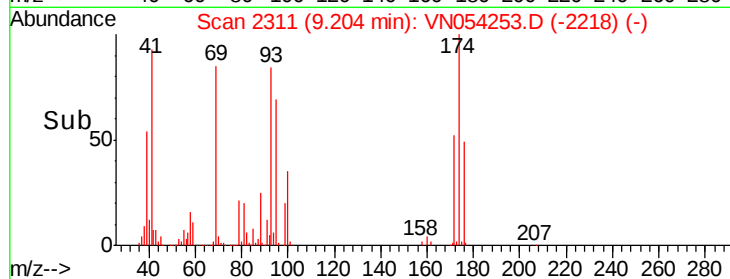
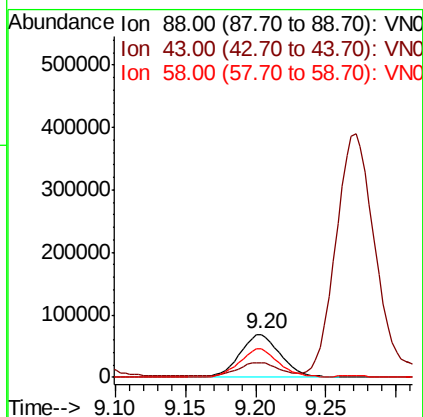
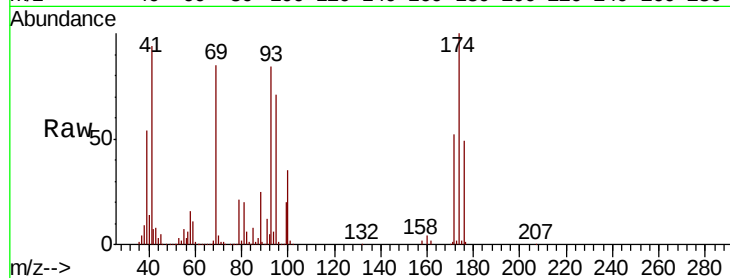
#49
1,4-Dioxane
Concen: 948.340 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.3	24.1	36.1
58	64.4	50.8	76.2

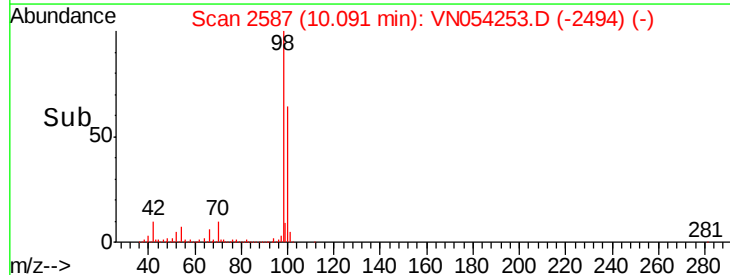
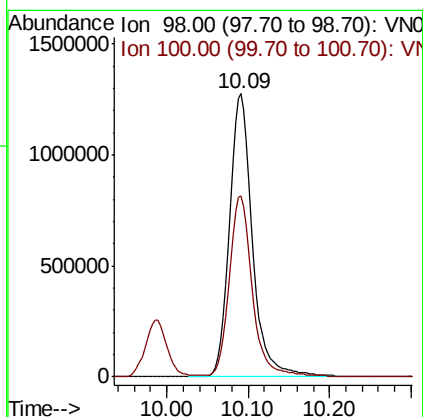
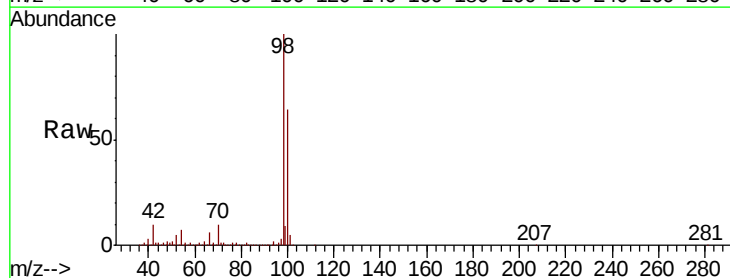
Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM



#50
Toluene-d8
Concen: 48.714 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 259.873 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 2791854

Ion Ratio Lower Upper

43 100

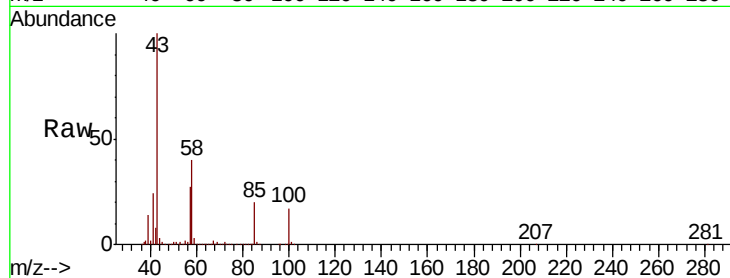
58 40.0 31.8 47.6

Manual Integrations

APPROVED

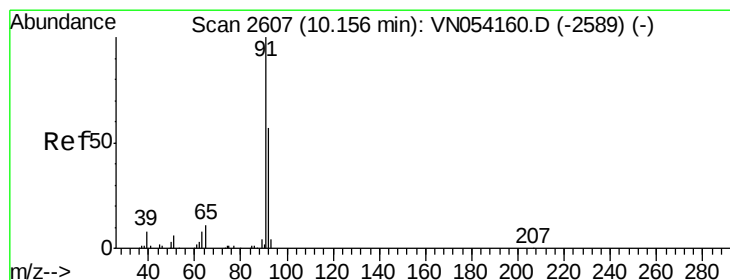
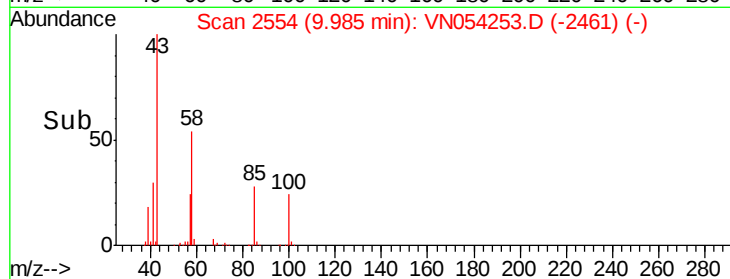
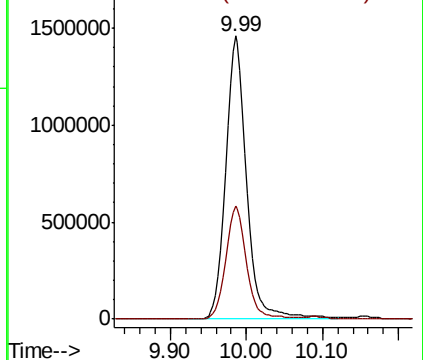
MMDadoda

3/15/2019 9:42:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 53.139 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054253.D

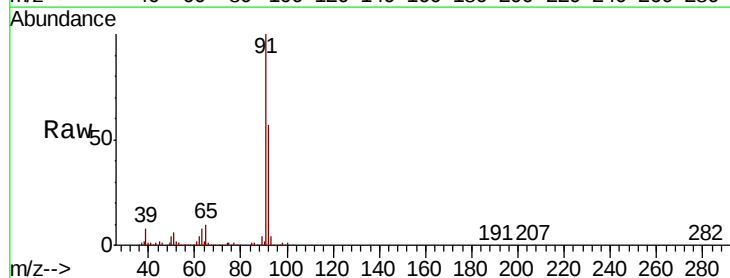
Acq: 14 Mar 2019 10:28

Tgt Ion: 92 Resp: 1940733

Ion Ratio Lower Upper

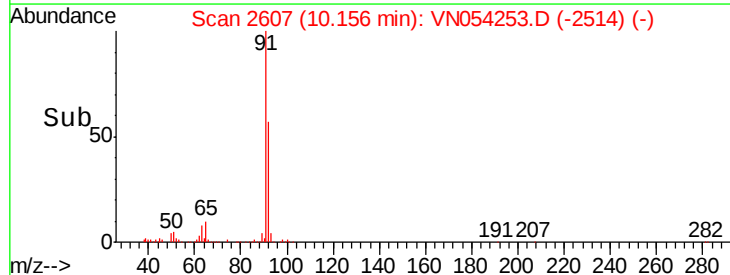
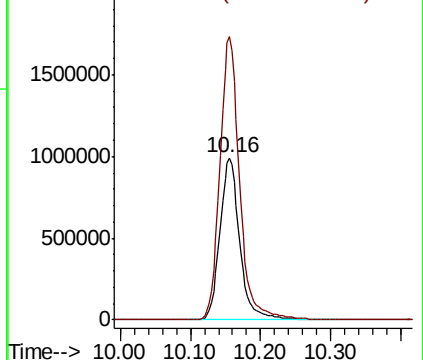
92 100

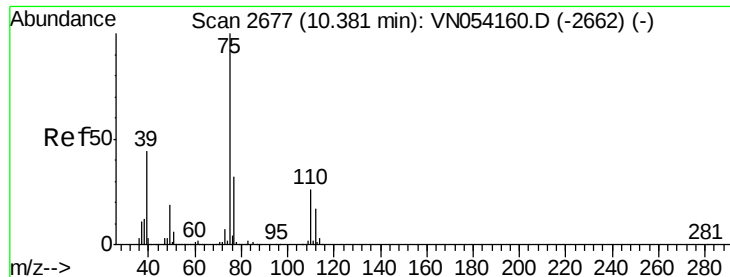
91 174.5 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 46.489 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 1026884

Ion Ratio Lower Upper

75 100

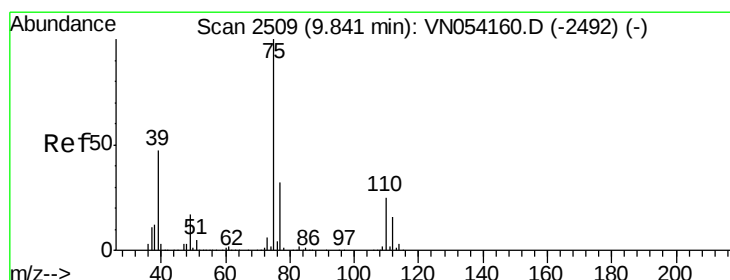
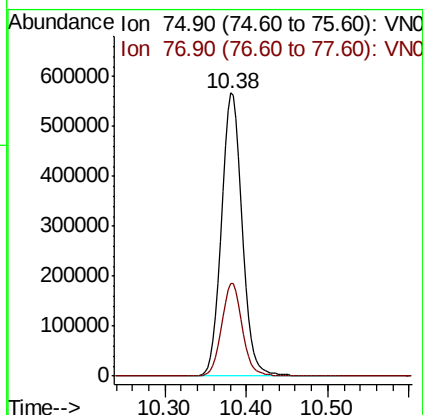
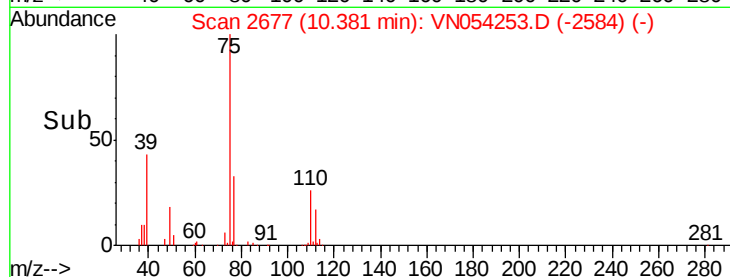
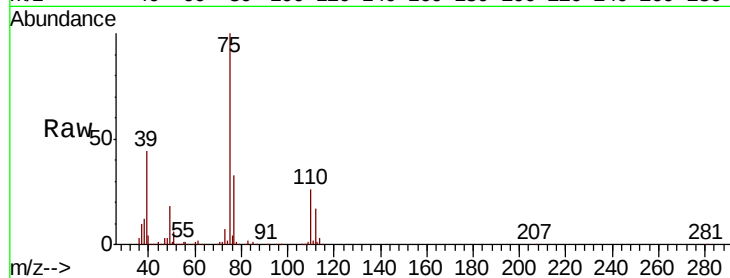
77 32.8 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

3/15/2019 9:42:06 AM



#54

cis-1,3-Dichloropropene

Concen: 53.101 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

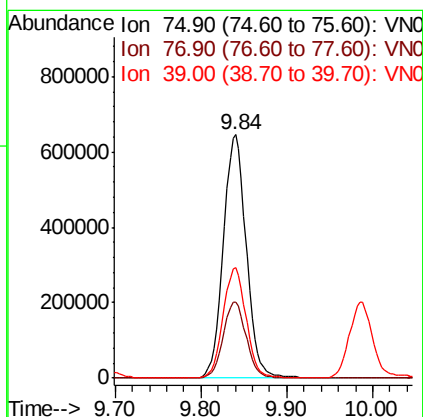
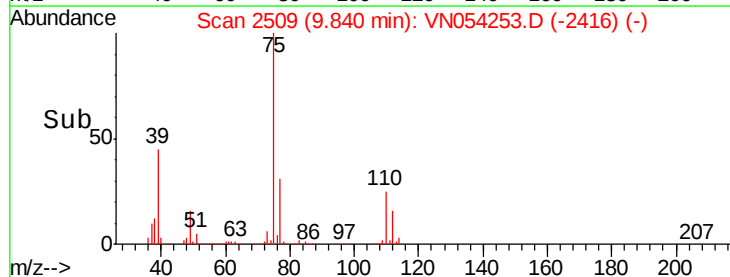
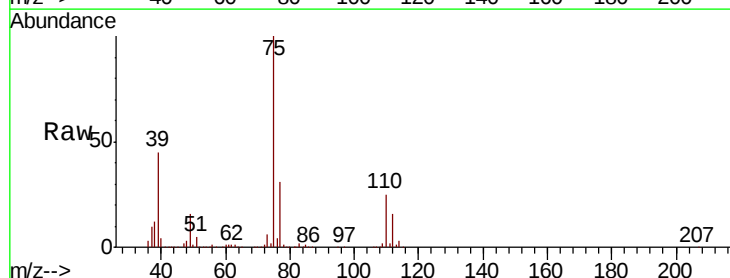
Tgt Ion: 75 Resp: 1198776

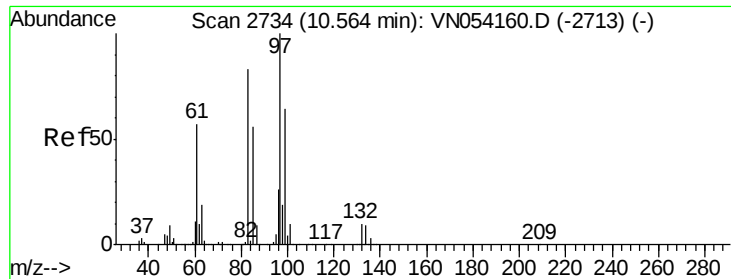
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 45.2 37.2 55.8





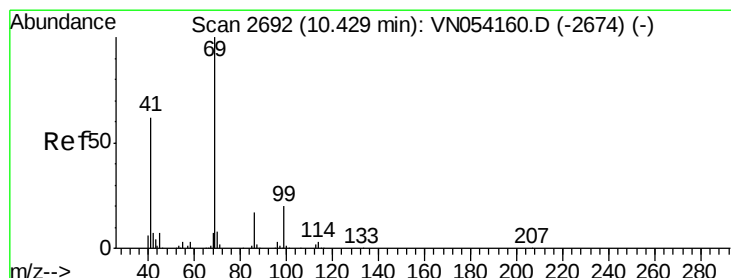
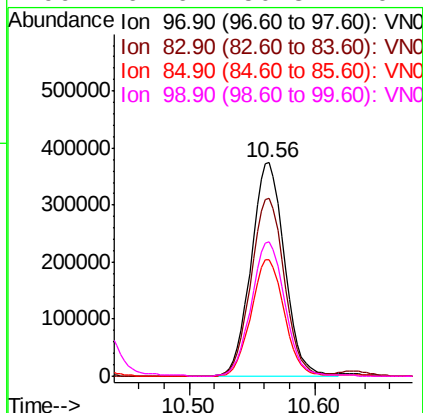
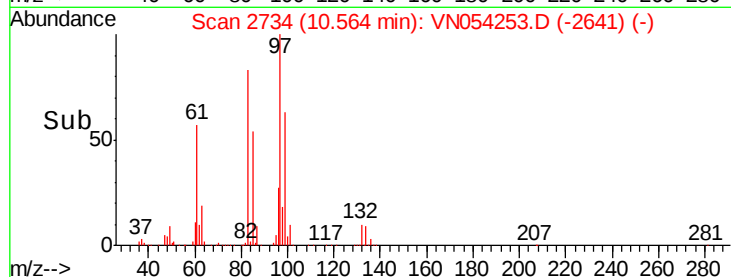
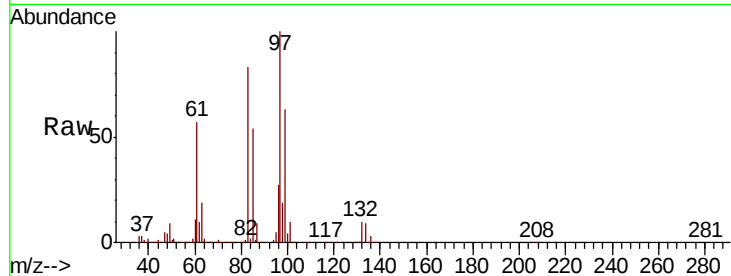
#55
1,1,2-Trichloroethane
Concen: 52.151 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.1	66.6	100.0
85	54.4	44.4	66.6
99	62.6	50.8	76.2

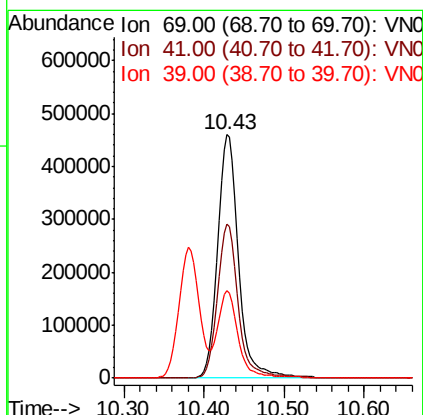
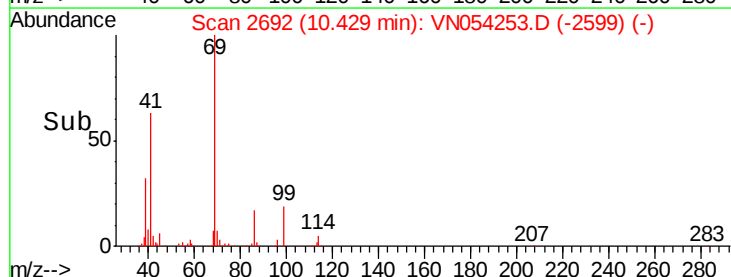
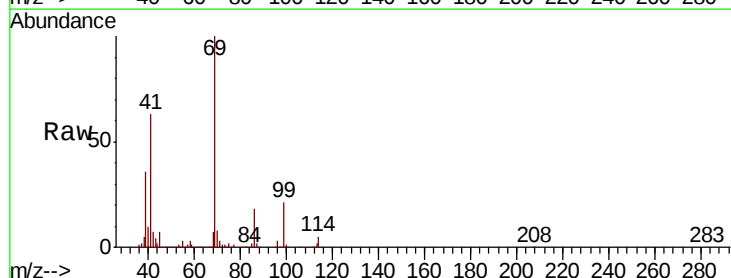
Manual Integrations
APPROVED

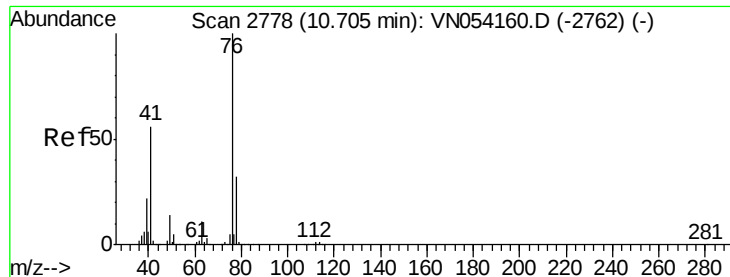
MMDadoda
3/15/2019 9:42:06 AM



#56
Ethyl methacrylate
Concen: 52.651 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.2	49.4	74.2
39	35.1	28.3	42.5





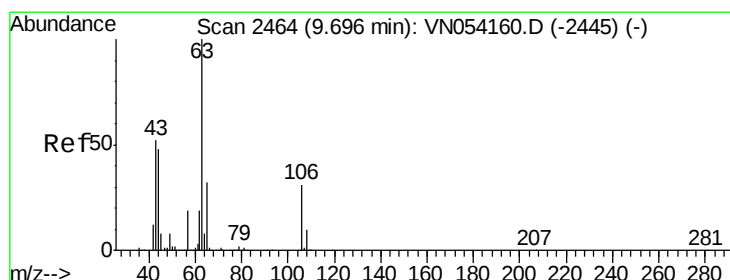
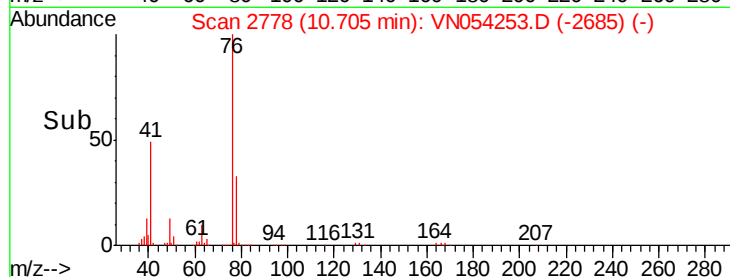
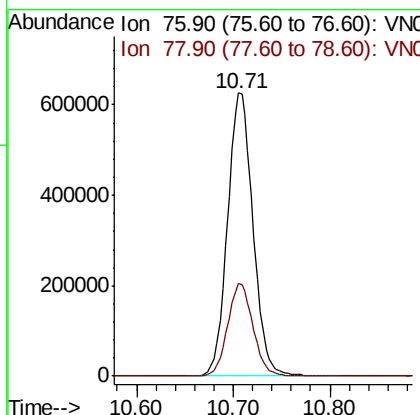
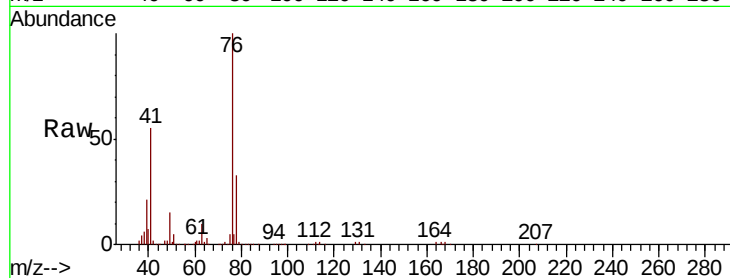
#57
 1,3-Dichloropropane
 Concen: 52.417 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN054253.D
 Acq: 14 Mar 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 1142972
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5

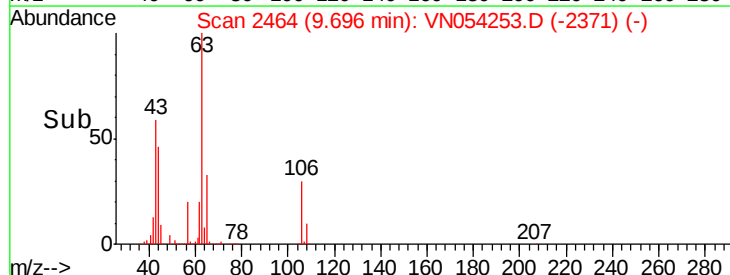
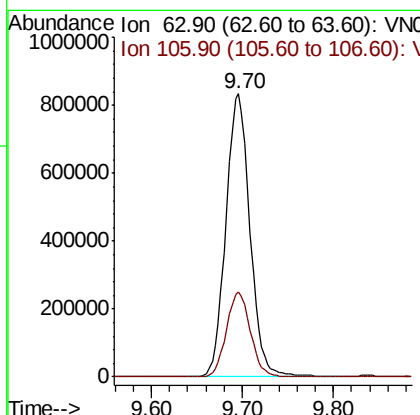
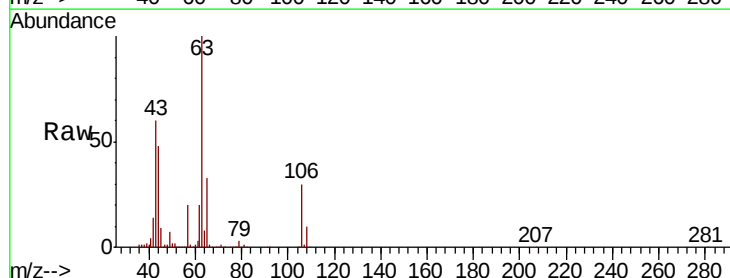
Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:42:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.241 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054253.D
 Acq: 14 Mar 2019 10:28

Tgt Ion: 63 Resp: 1534086
 Ion Ratio Lower Upper
 63 100
 106 30.0 24.4 36.6





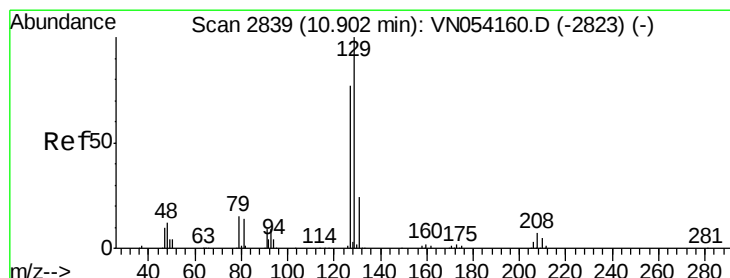
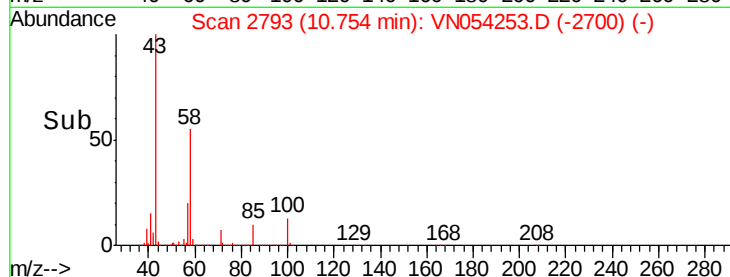
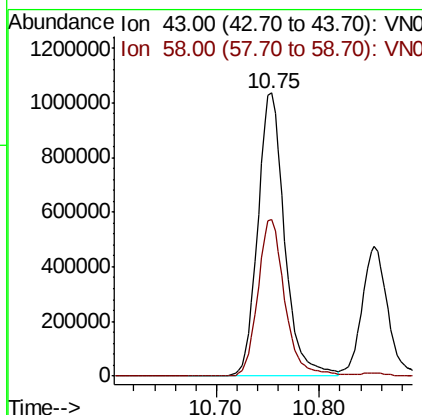
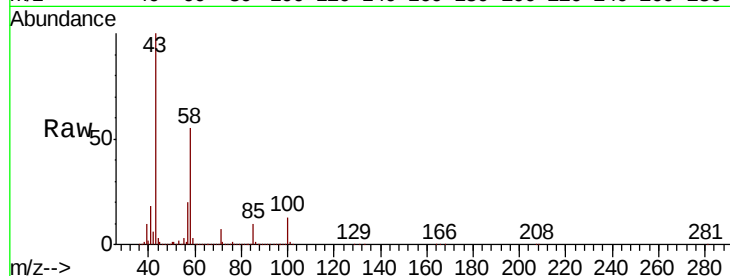
#59
2-Hexanone
Concen: 259.272 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1853401
Ion Ratio Lower Upper
43 100
58 55.9 28.0 83.9

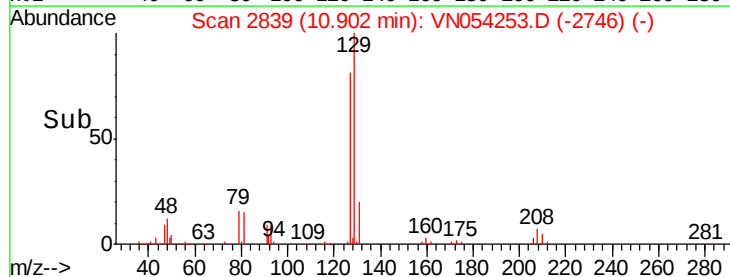
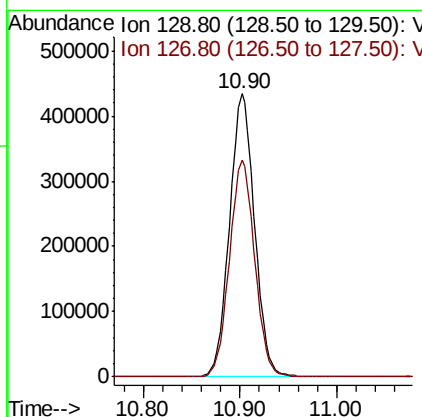
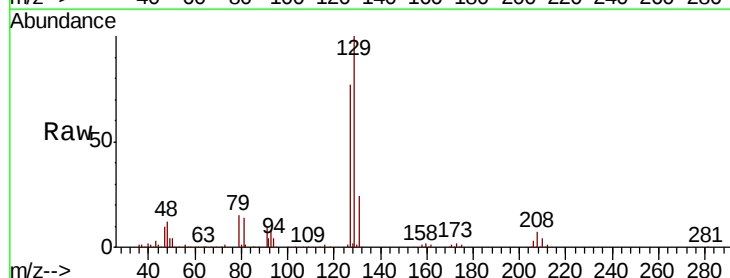
Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM



#60
Dibromochloromethane
Concen: 51.991 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion: 129 Resp: 780377
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





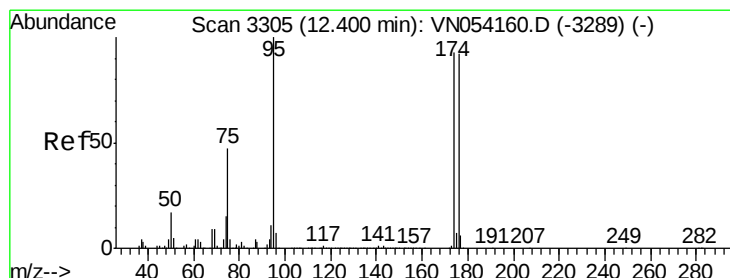
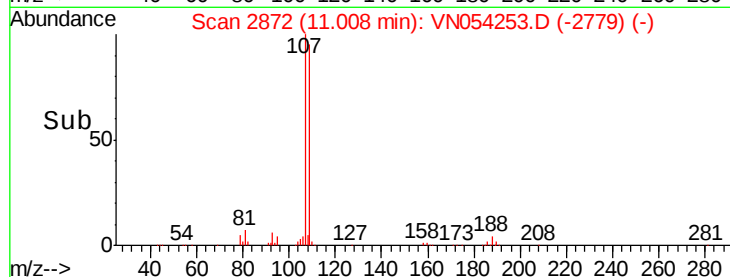
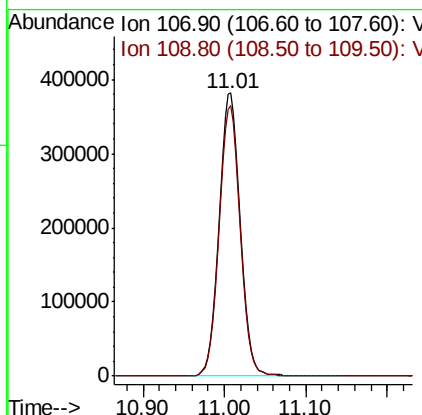
#61
 1,2-Dibromoethane
 Concen: 51.751 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN054253.D
 Acq: 14 Mar 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.9	113.9

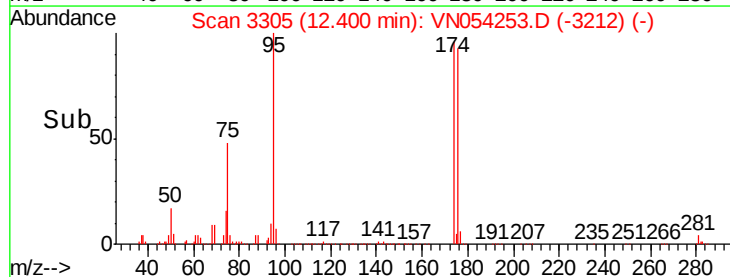
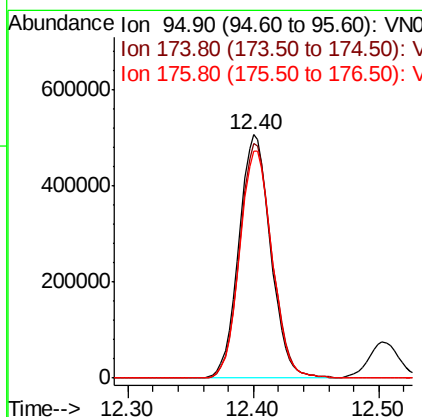
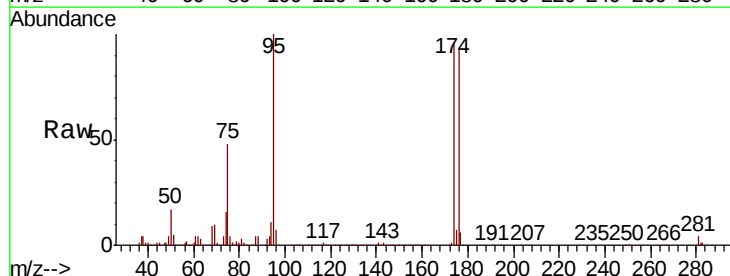
Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:42:06 AM



#62
 4-Bromofluorobenzene
 Concen: 49.014 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054253.D
 Acq: 14 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.4	0.0	191.0
176	95.3	0.0	187.4





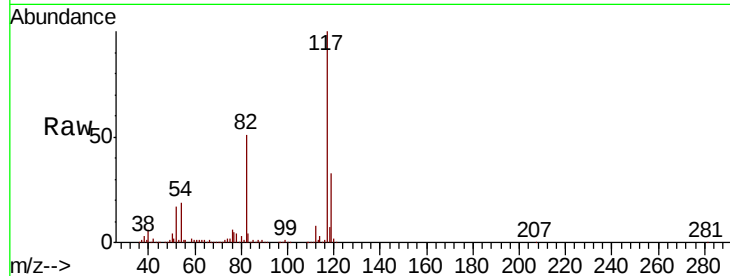
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

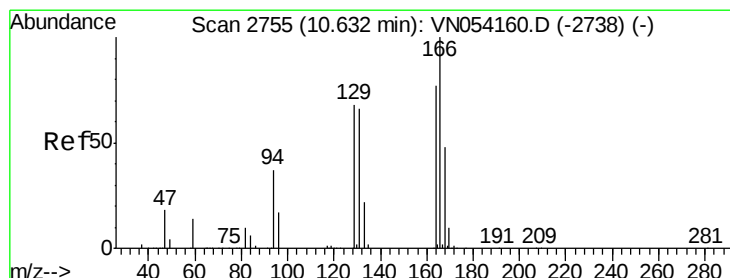
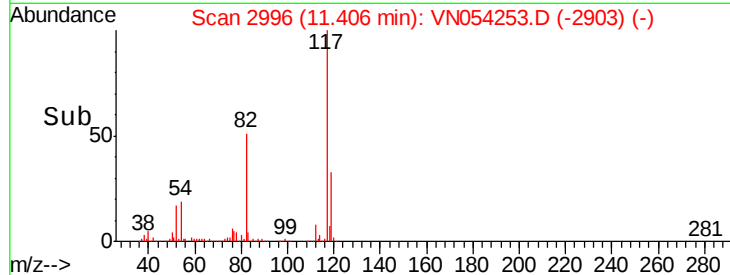
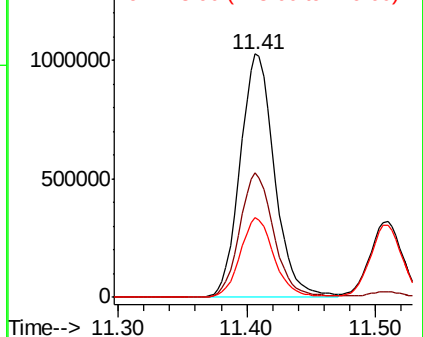
Tgt Ion:117 Resp: 1909804
Ion Ratio Lower Upper
117 100
82 51.0 40.0 60.0
119 32.6 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM



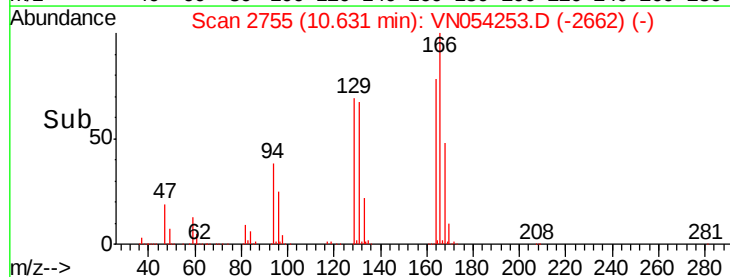
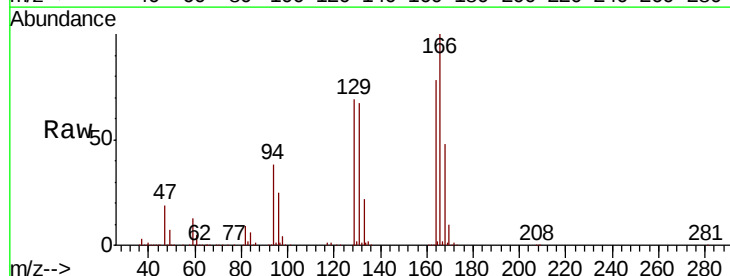
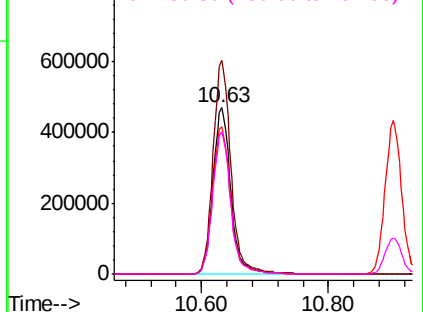
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 49.673 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion:164 Resp: 917212
Ion Ratio Lower Upper
164 100
166 128.6 103.9 155.9
129 88.6 71.1 106.7
131 85.7 68.2 102.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





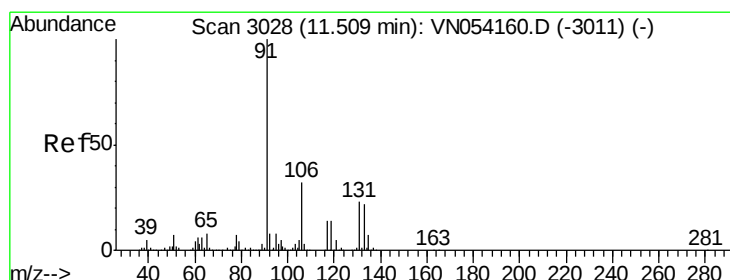
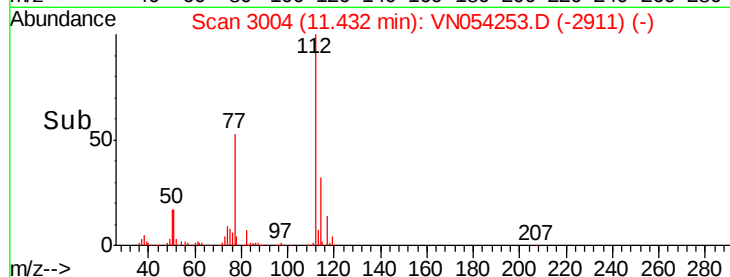
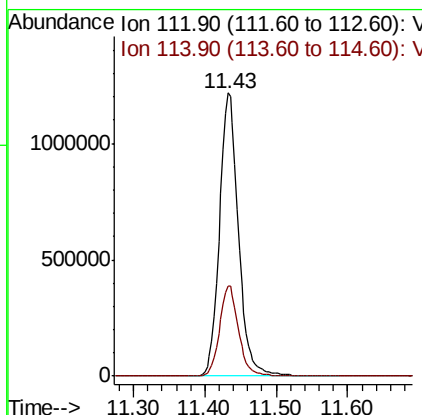
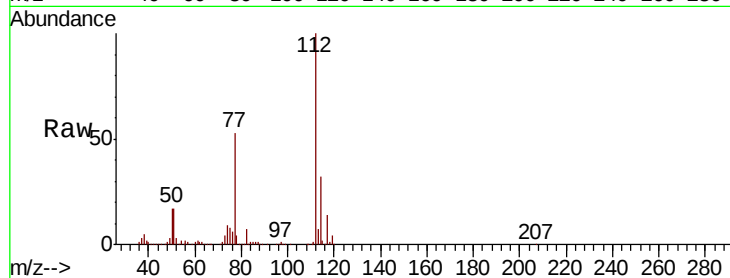
#65
Chlorobenzene
Concen: 53.369 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:112 Resp: 2237977
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9

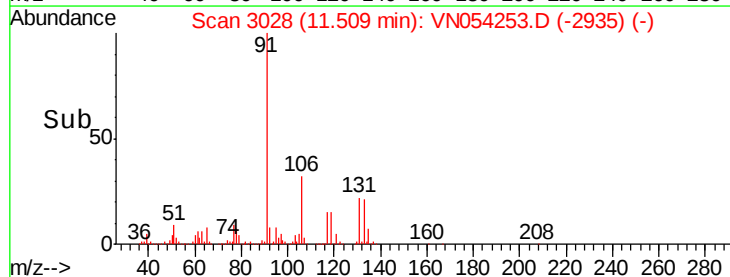
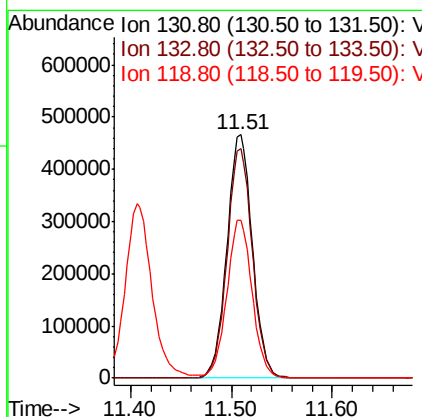
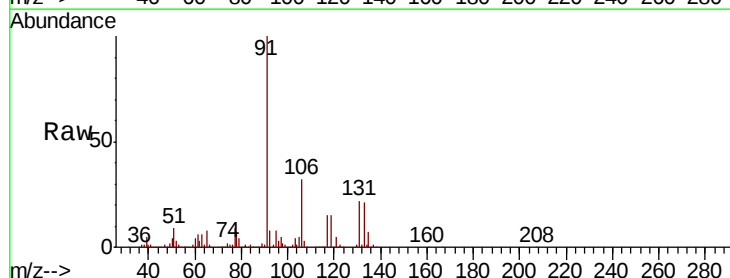
Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.733 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion:131 Resp: 818548
Ion Ratio Lower Upper
131 100
133 94.1 47.6 142.9
119 64.8 32.4 97.0





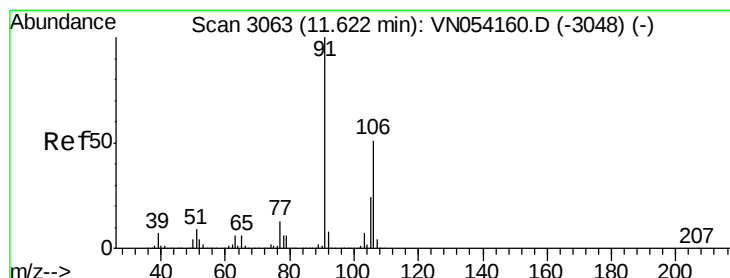
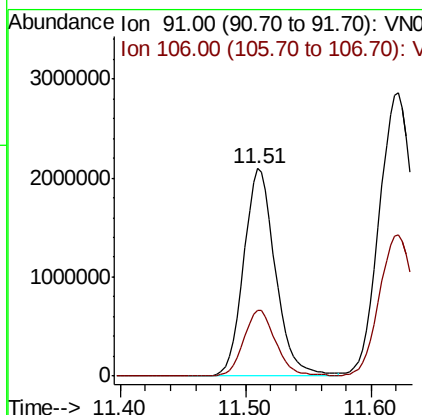
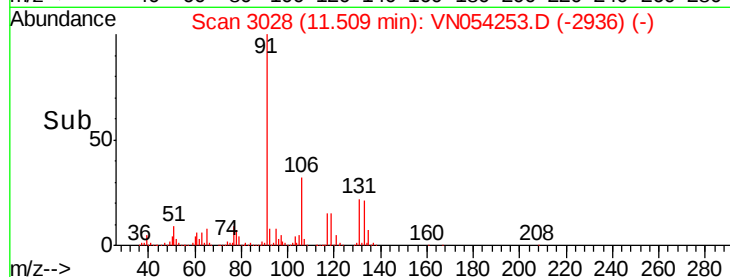
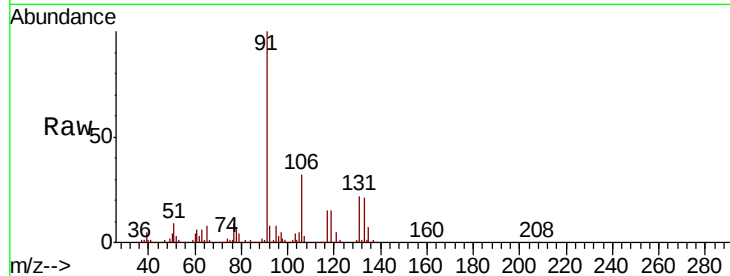
#67
Ethyl Benzene
Concen: 53.009 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 3684807
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3

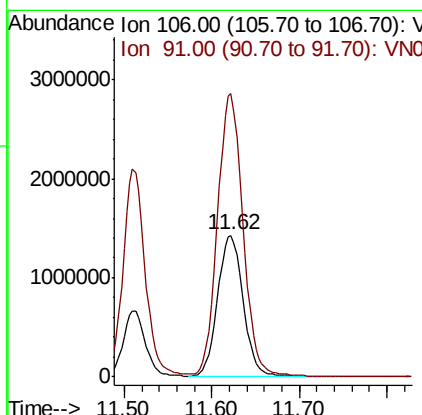
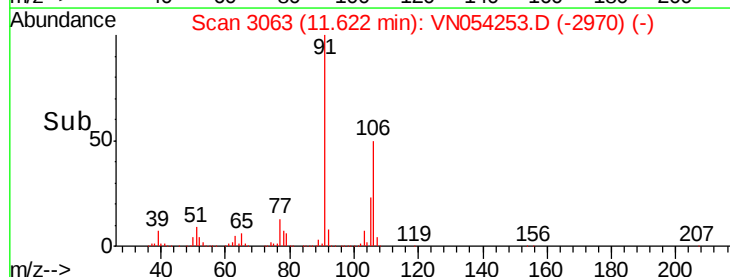
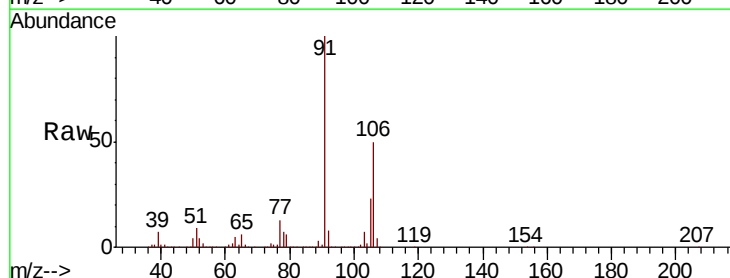
Manual Integrations
APPROVED

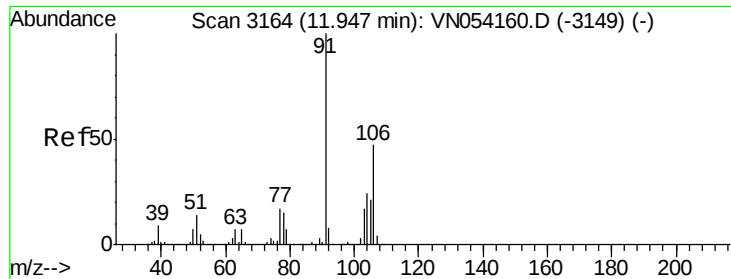
MMDadoda
3/15/2019 9:42:06 AM



#68
m/p-Xylenes
Concen: 107.317 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion: 106 Resp: 2915688
Ion Ratio Lower Upper
106 100
91 199.7 159.4 239.2





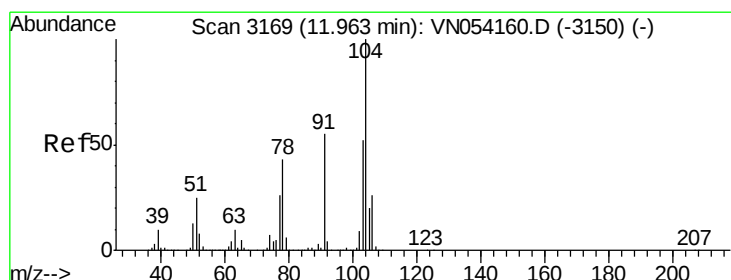
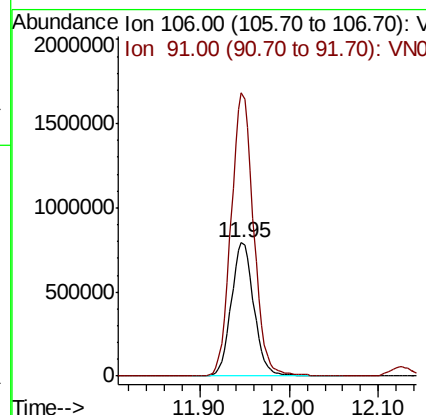
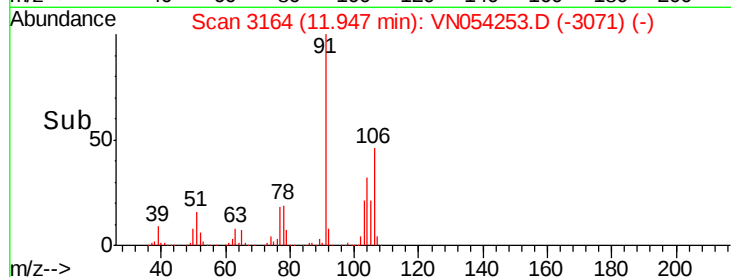
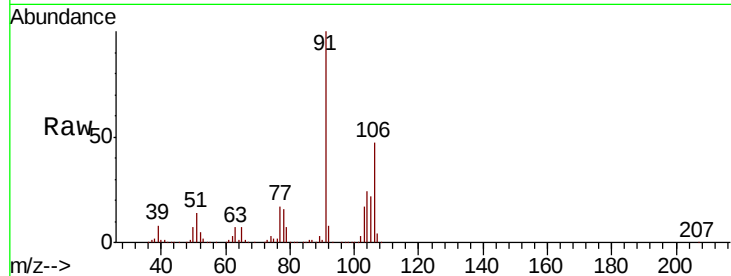
#69
o-Xylene
Concen: 52.720 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 1396308
Ion Ratio Lower Upper
106 100
91 210.8 105.7 317.1

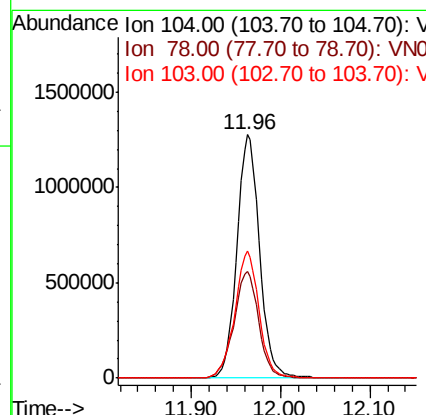
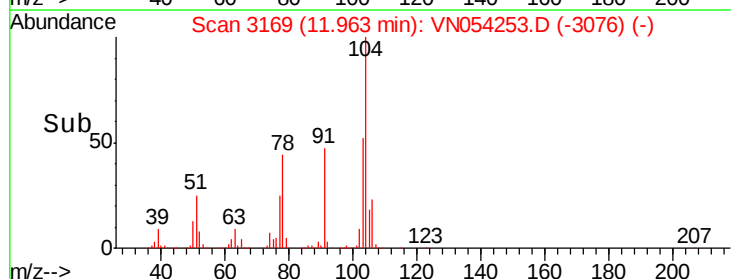
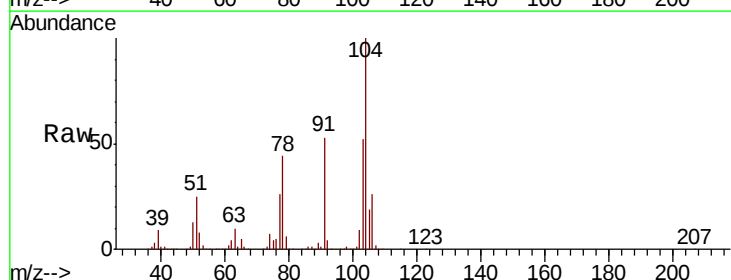
Manual Integrations
APPROVED

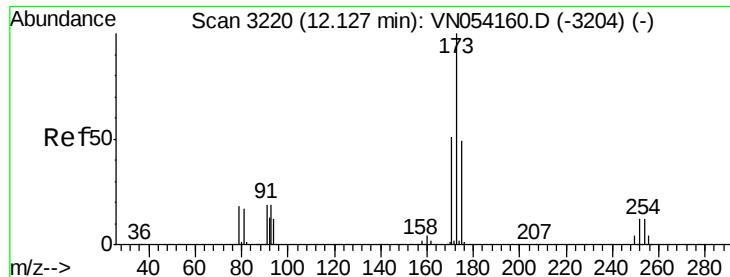
MMDadoda
3/15/2019 9:42:06 AM



#70
Styrene
Concen: 54.100 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion:104 Resp: 2247188
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 44.294 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 511086

Ion Ratio Lower Upper

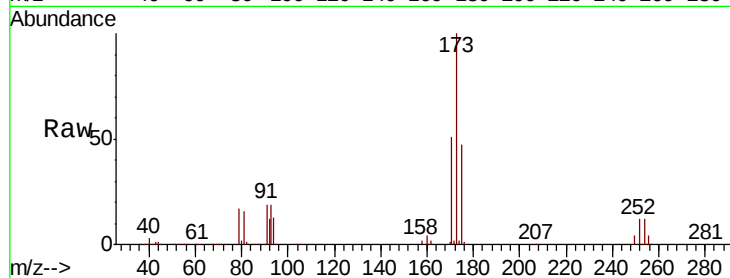
173 100

175 48.2 24.4 73.2

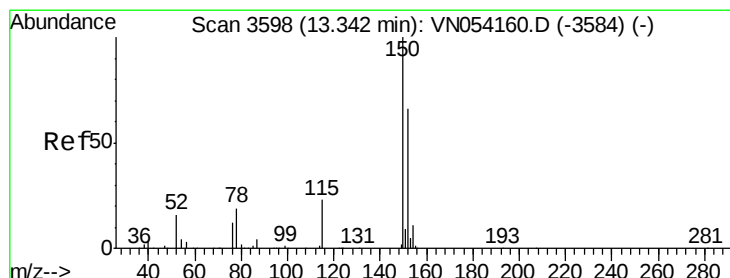
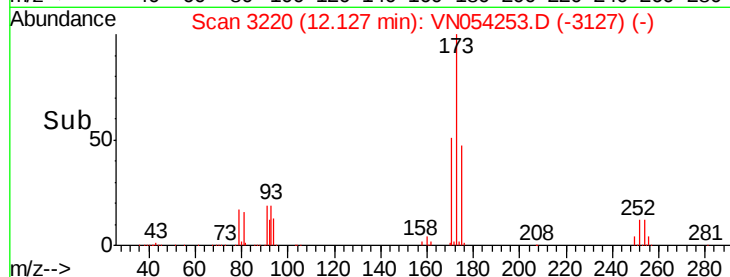
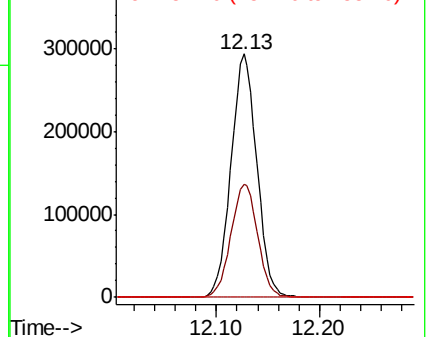
254 0.1 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

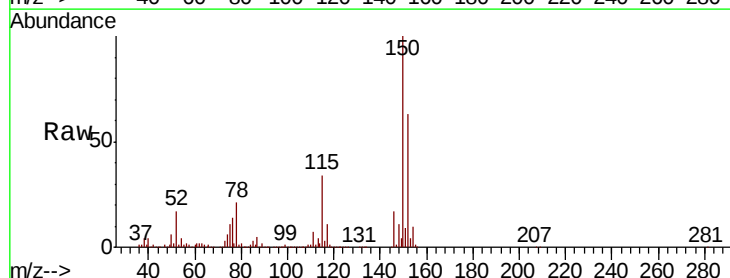
Tgt Ion:152 Resp: 965849

Ion Ratio Lower Upper

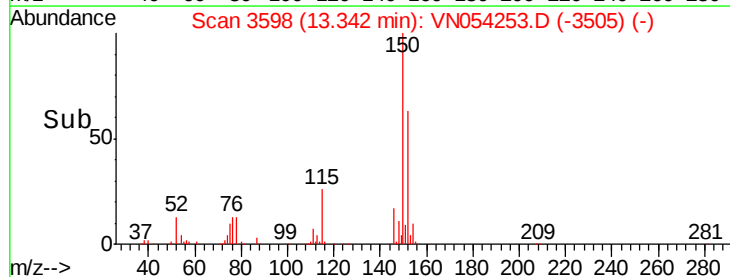
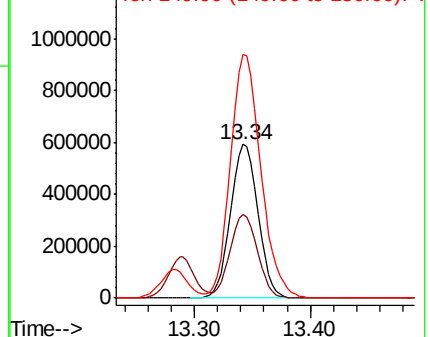
152 100

115 54.3 27.2 81.6

150 175.2 0.0 349.2



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





#73

Isopropylbenzene

Concen: 48.819 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 3772463

Ion Ratio Lower Upper

105 100

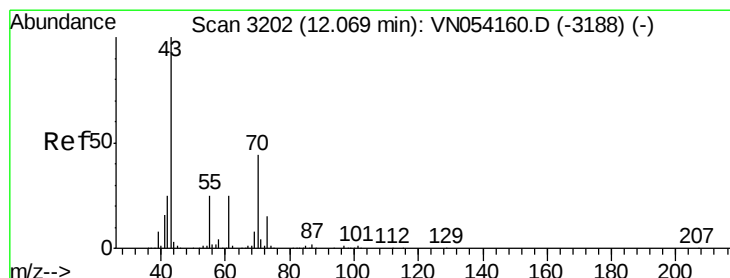
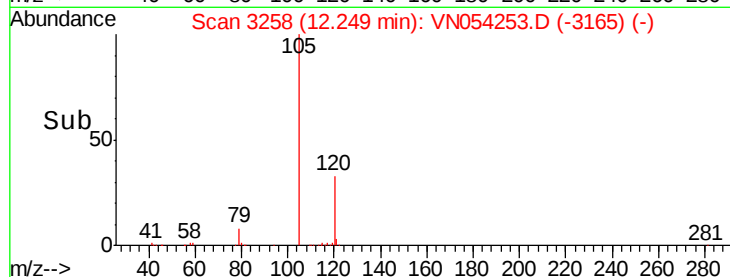
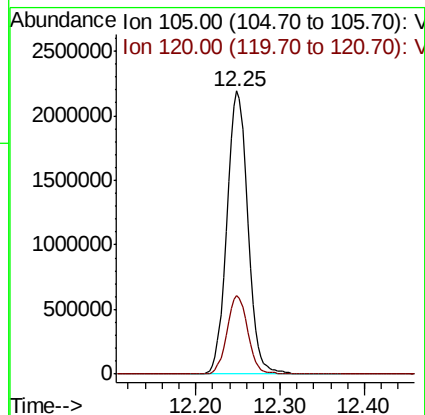
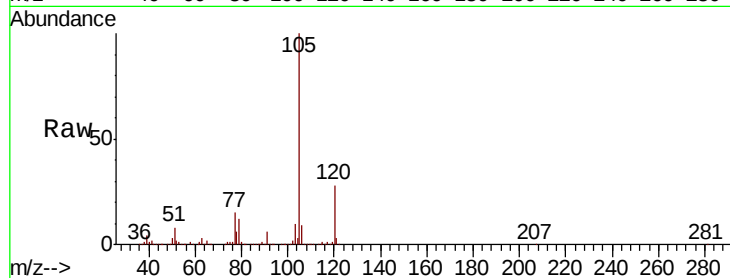
120 27.6 13.8 41.3

Manual Integrations

APPROVED

MMDadoda

3/15/2019 9:42:06 AM



#74

N-ethyl acetate

Concen: 47.807 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Tgt Ion: 43 Resp: 820000

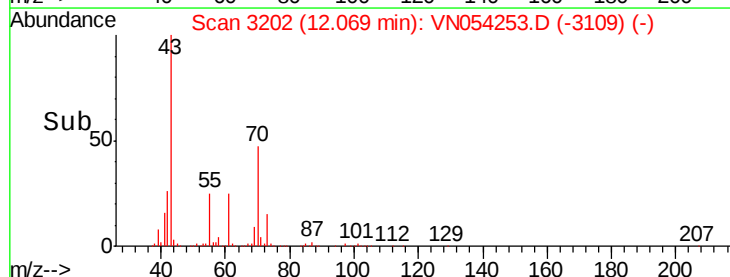
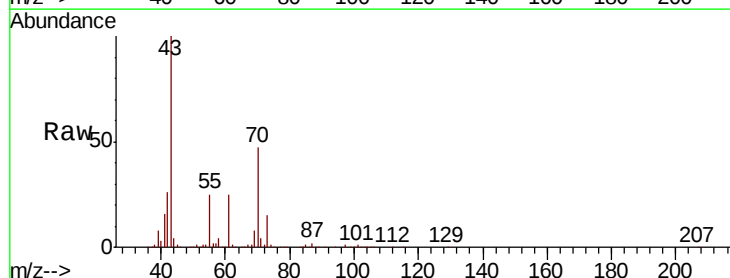
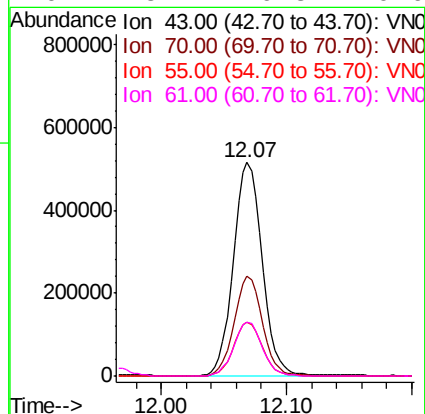
Ion Ratio Lower Upper

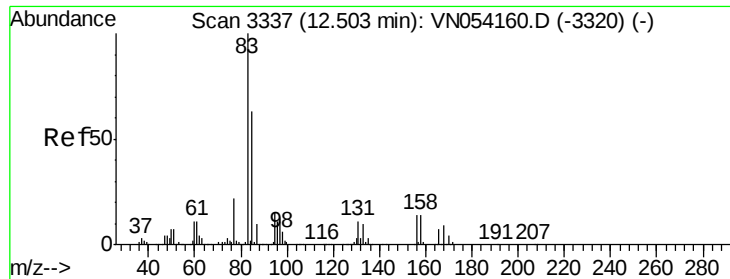
43 100

70 46.1 35.4 53.0

55 25.3 19.8 29.6

61 25.2 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.348 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Instrument :

MSVOA_N

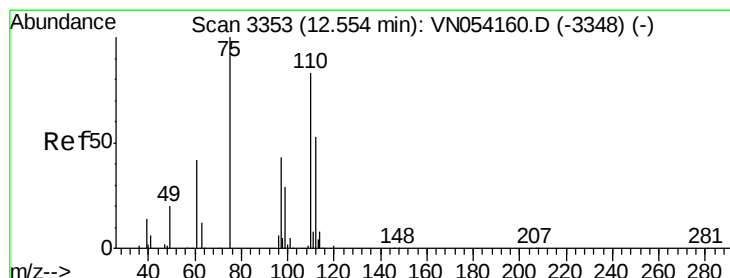
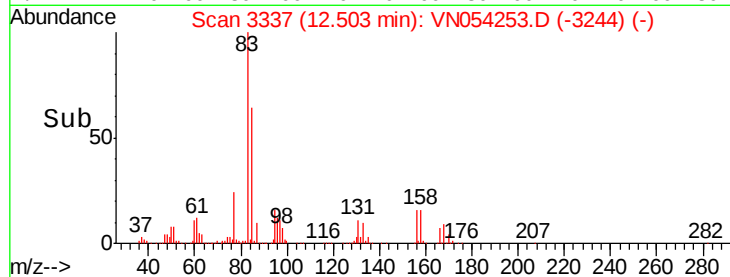
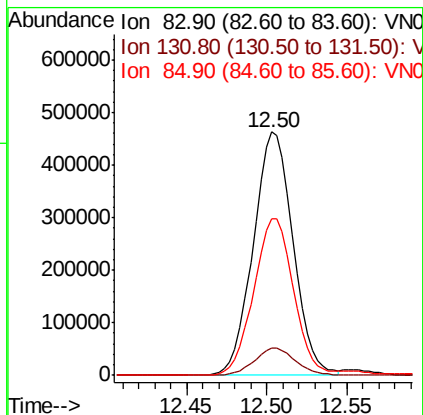
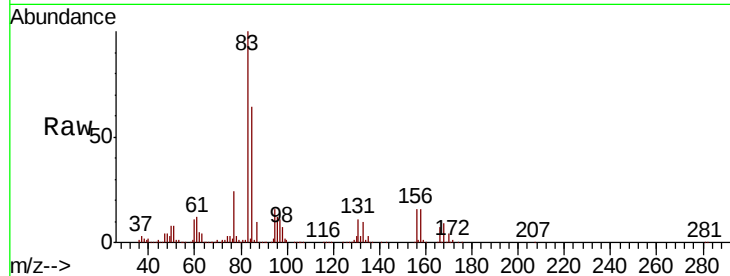
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	795980
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.8	17.4
85	64.7	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM



#76

1,2,3-Trichloropropane

Concen: 49.683 ug/l m

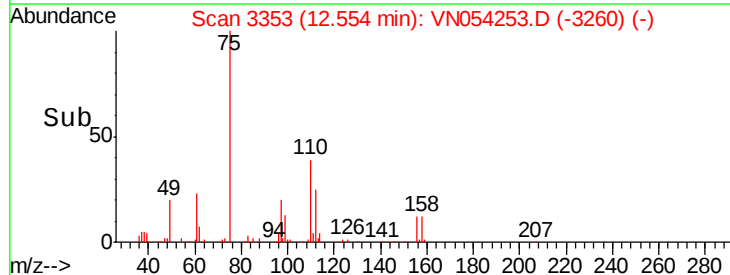
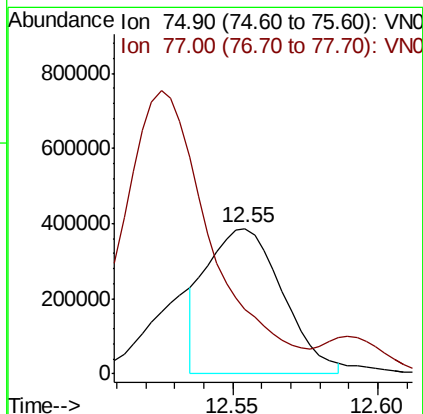
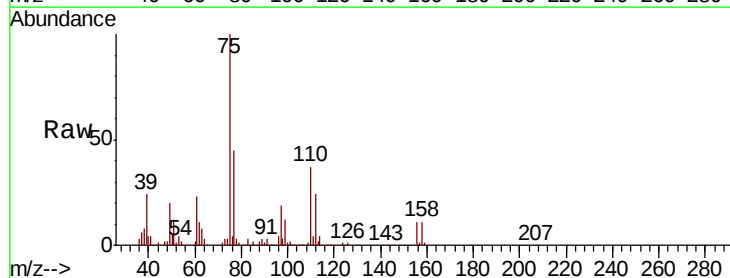
RT: 12.55 min Scan# 3353

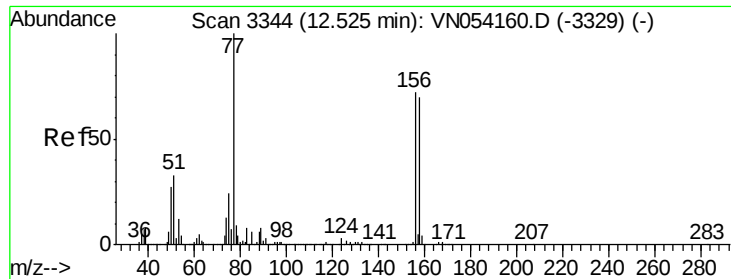
Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Tgt Ion:	75	Resp:	705660
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





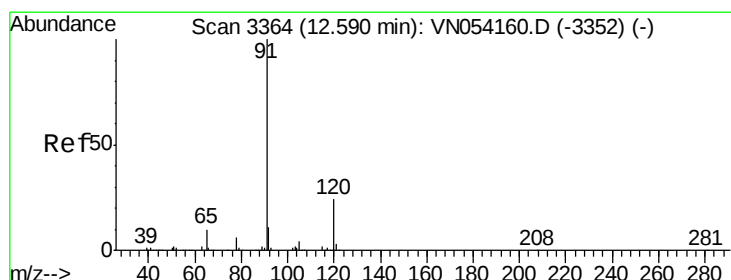
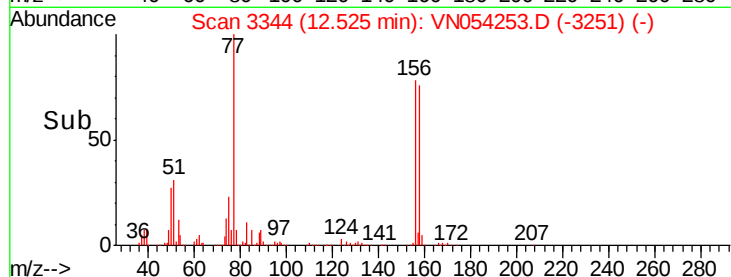
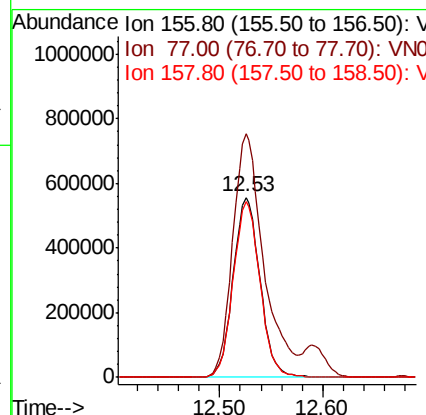
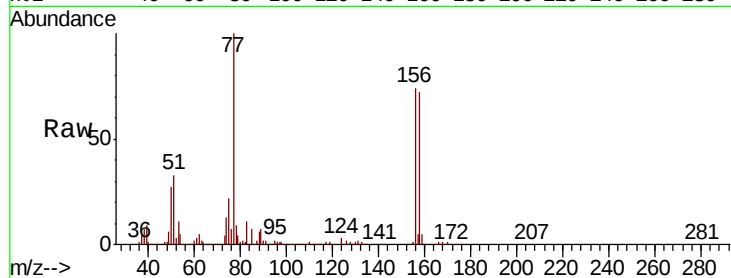
#77
Bromobenzene
Concen: 49.278 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 156 Resp: 1007637
Ion Ratio Lower Upper
156 100
77 157.4 81.5 244.4
158 97.7 49.0 147.2

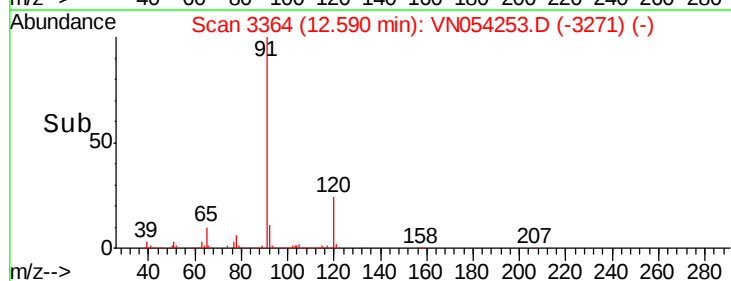
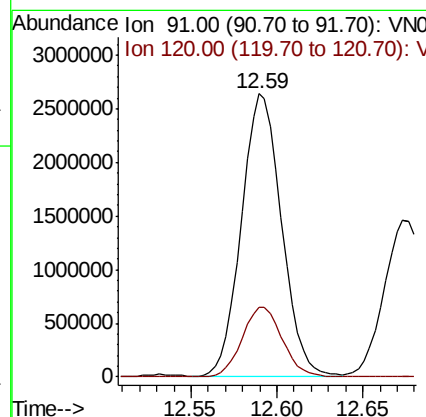
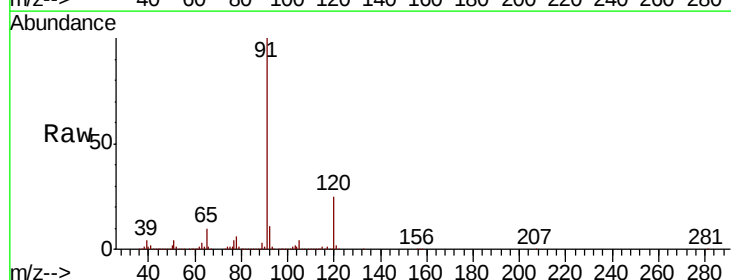
Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM



#78
n-propylbenzene
Concen: 50.642 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion: 91 Resp: 4246162
Ion Ratio Lower Upper
91 100
120 24.9 12.3 36.9





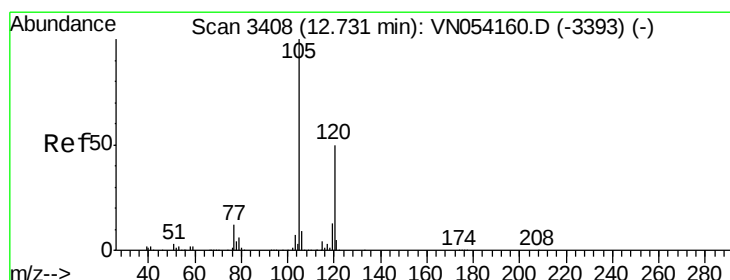
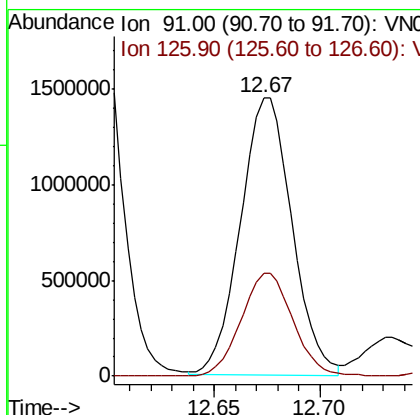
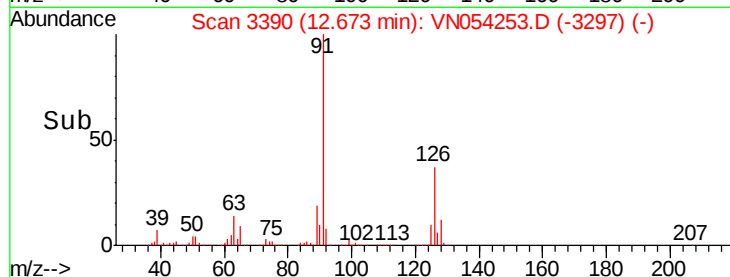
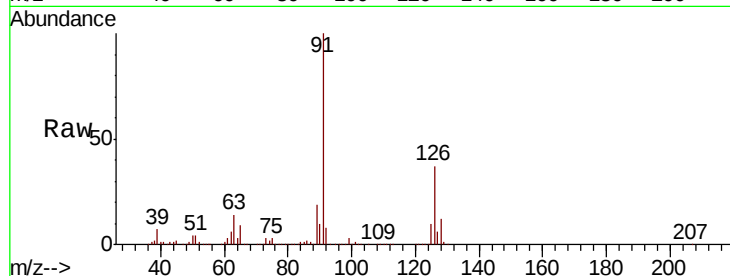
#79
2-Chlorotoluene
Concen: 49.037 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 2472189
Ion Ratio Lower Upper
91 100
126 37.3 18.7 56.1

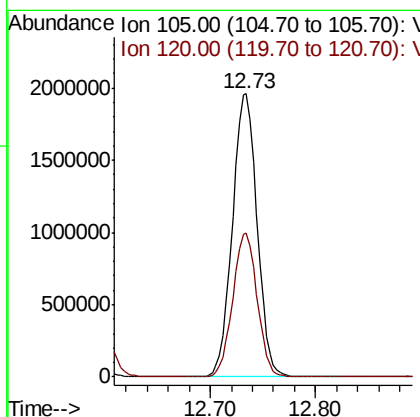
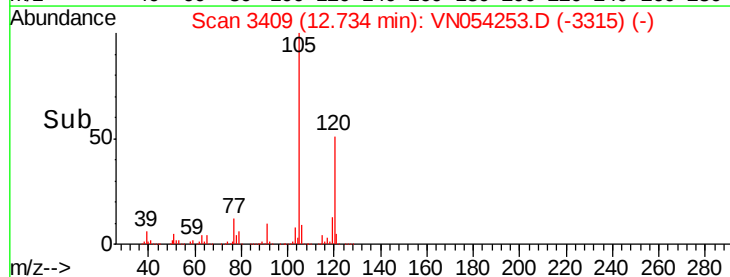
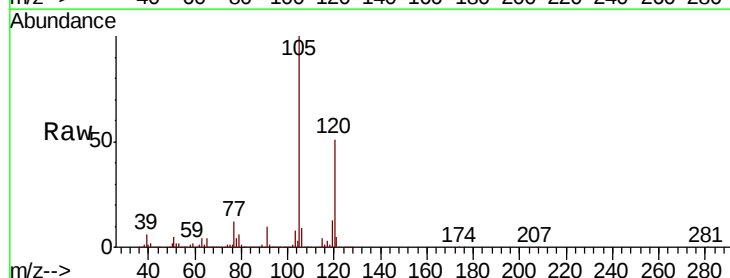
Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM



#80
1,3,5-Trimethylbenzene
Concen: 49.197 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion: 105 Resp: 3162196
Ion Ratio Lower Upper
105 100
120 50.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 42.765 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Instrument :

MSVOA_N

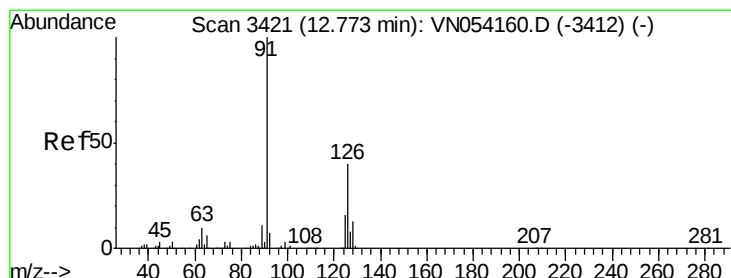
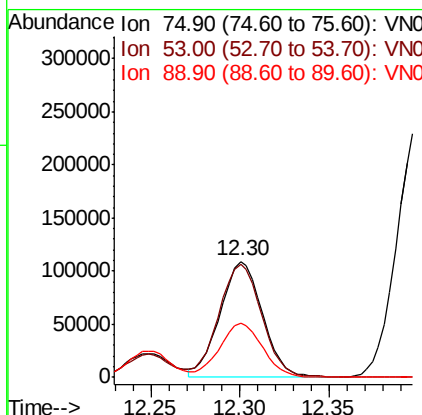
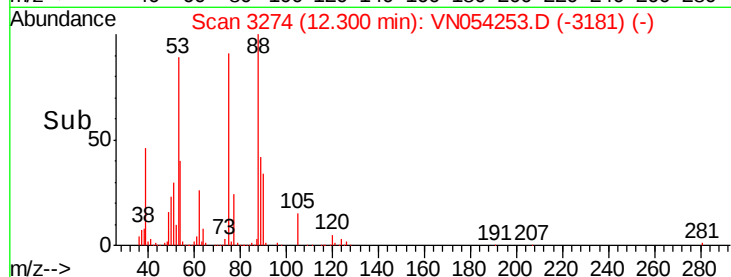
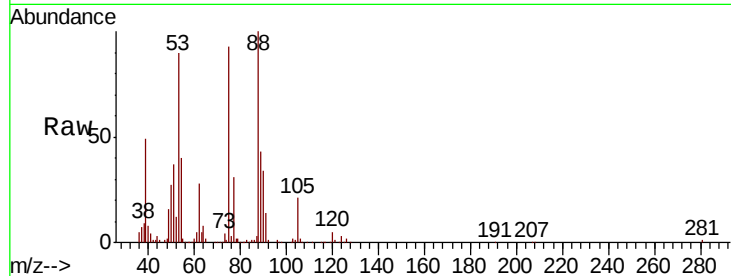
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	177683
Ion	Ratio	Lower	Upper
75	100		
53	101.8	76.2	114.2
89	48.5	39.2	58.8

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM



#82

4-Chlorotoluene

Concen: 50.382 ug/l

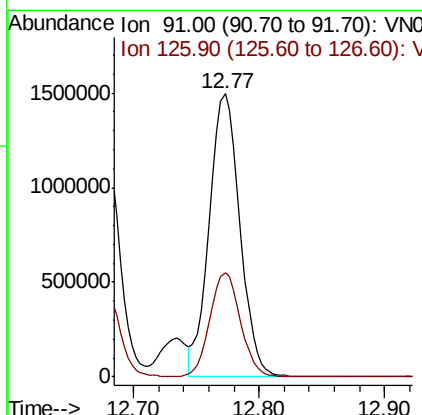
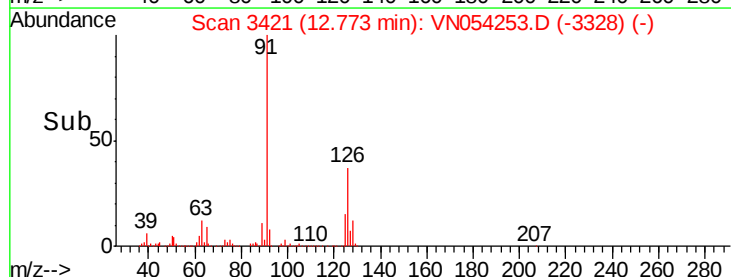
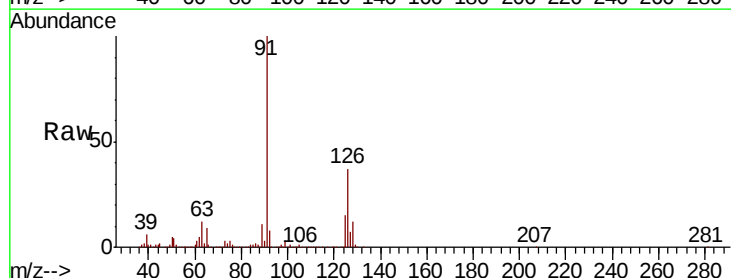
RT: 12.77 min Scan# 3421

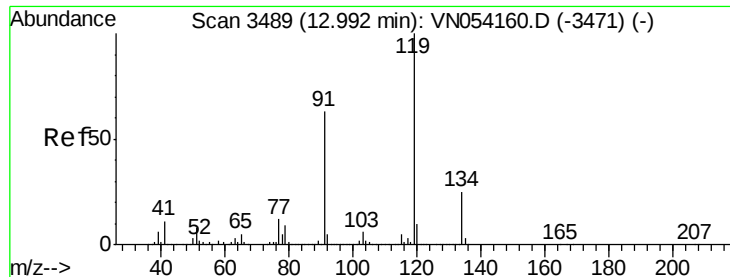
Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Tgt Ion:	91	Resp:	2536285
Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.1	54.1





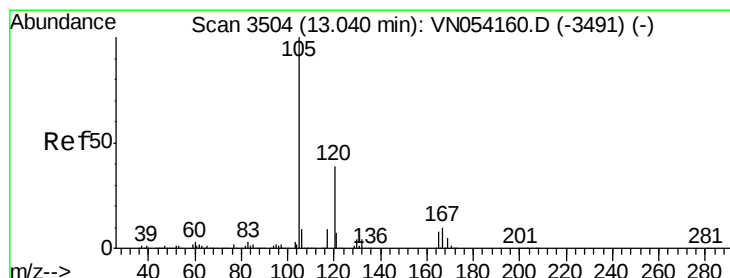
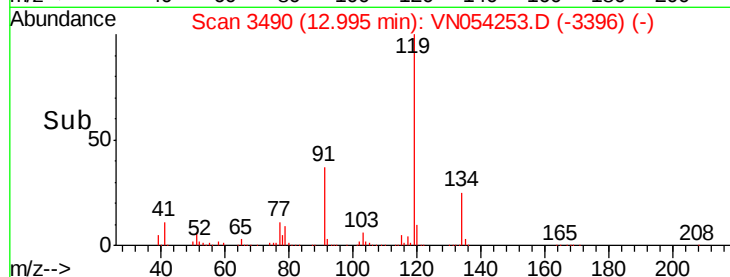
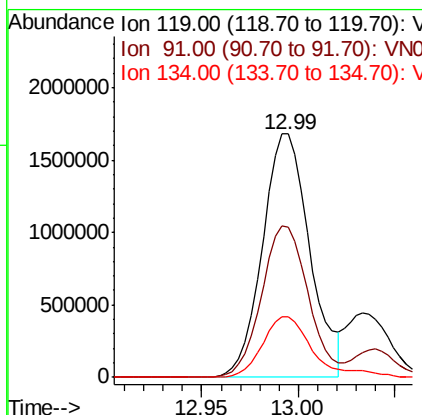
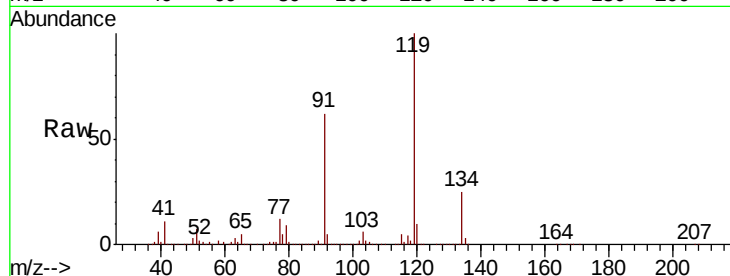
#83
tert-Butylbenzene
Concen: 48.323 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 2858911
Ion Ratio Lower Upper
119 100
91 60.9 30.9 92.8
134 26.7 13.2 39.6

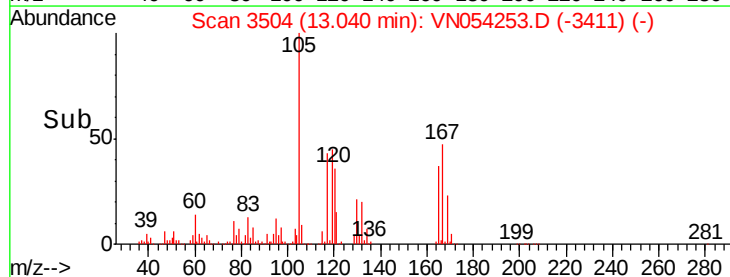
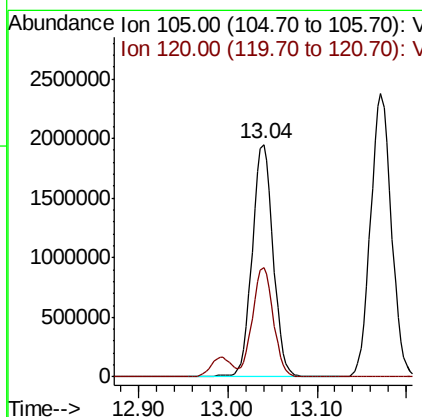
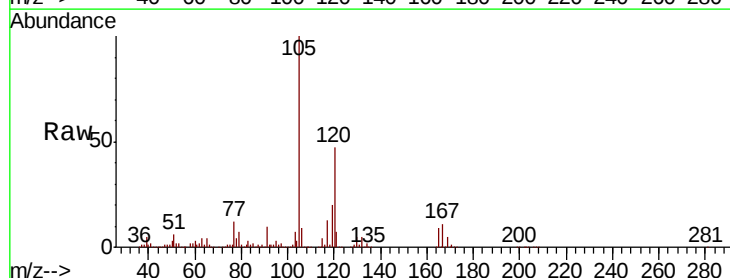
Manual Integrations
APPROVED

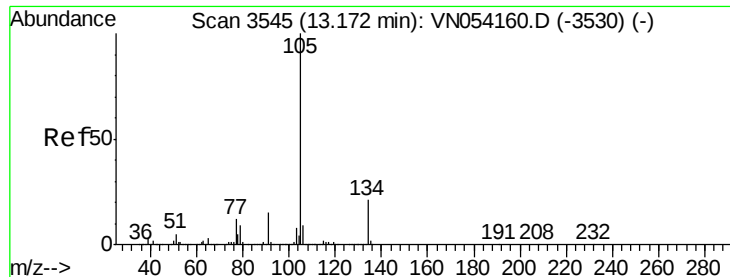
MMDadoda
3/15/2019 9:42:06 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.686 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion:105 Resp: 3196123
Ion Ratio Lower Upper
105 100
120 47.0 23.4 70.3





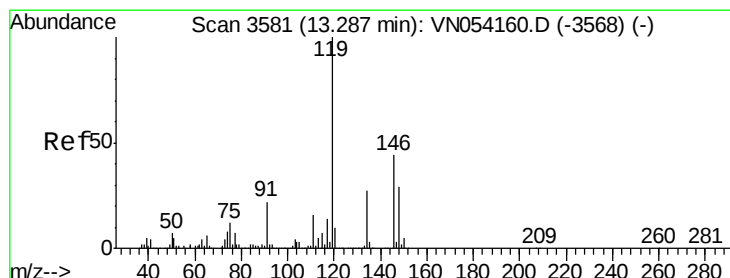
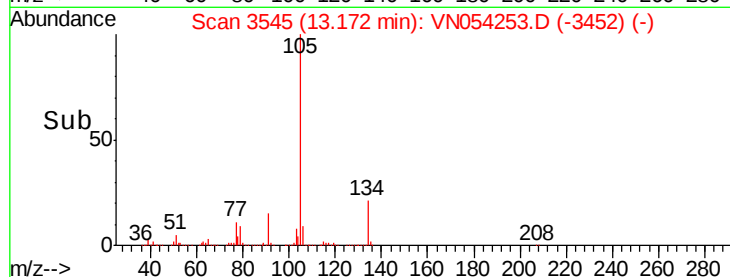
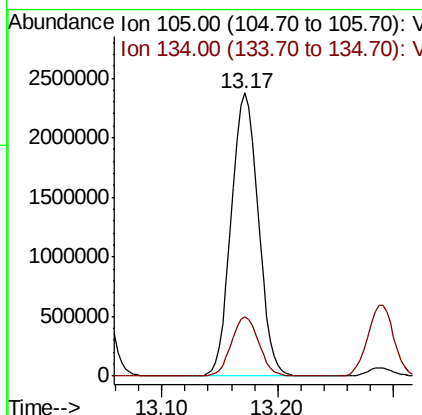
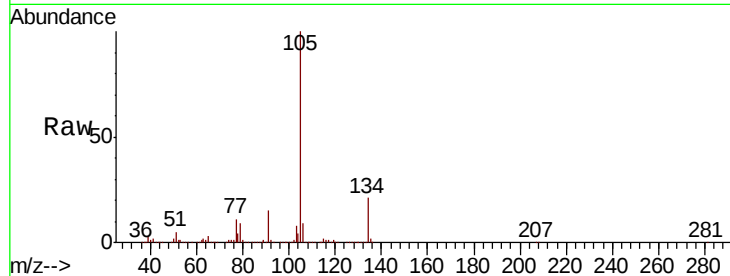
#85
 sec-Butylbenzene
 Concen: 49.957 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054253.D
 Acq: 14 Mar 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 3832923
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.7 32.1

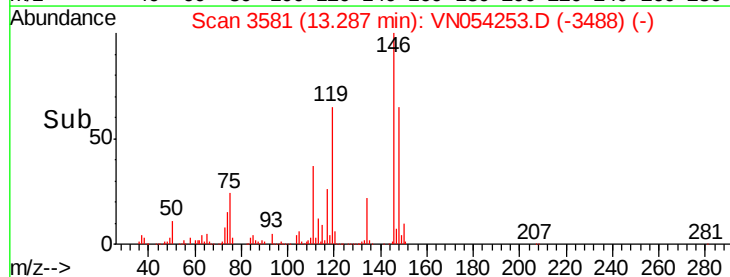
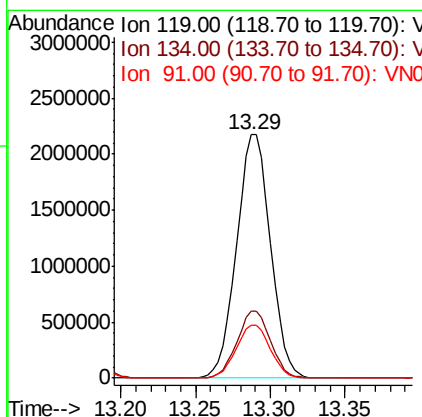
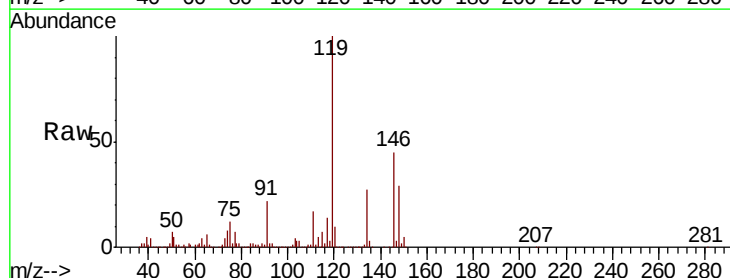
Manual Integrations
 APPROVED

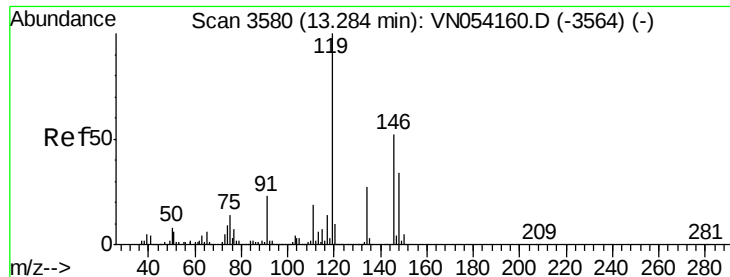
MMDadoda
 3/15/2019 9:42:06 AM



#86
 p-Isopropyltoluene
 Concen: 50.874 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054253.D
 Acq: 14 Mar 2019 10:28

Tgt Ion:119 Resp: 3424402
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.6 40.8
 91 22.1 11.1 33.3





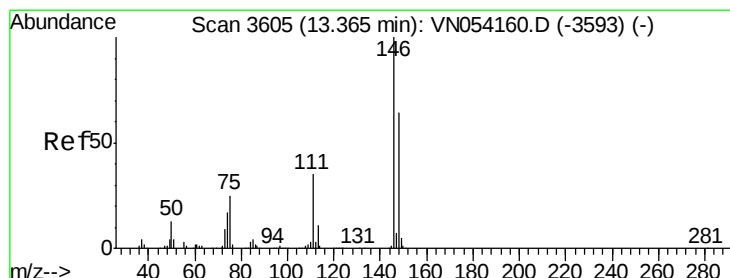
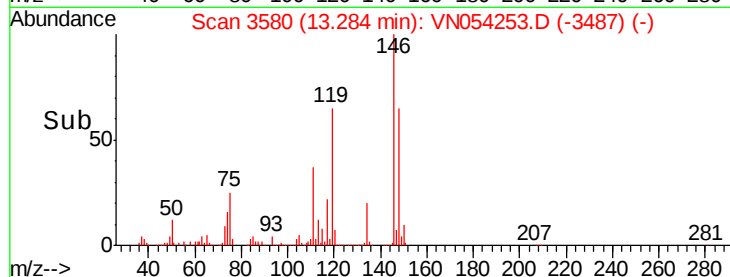
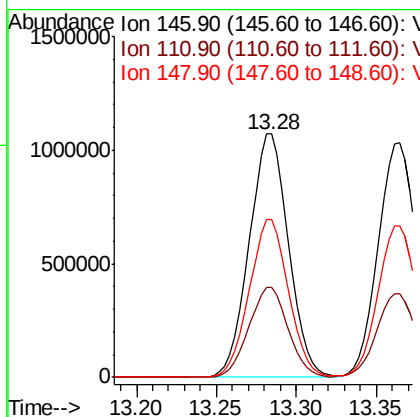
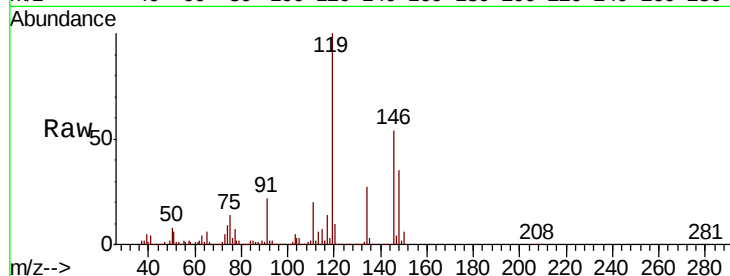
#87
 1,3-Dichlorobenzene
 Concen: 52.253 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN054253.D
 Acq: 14 Mar 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.3
148	64.7	32.2	96.6

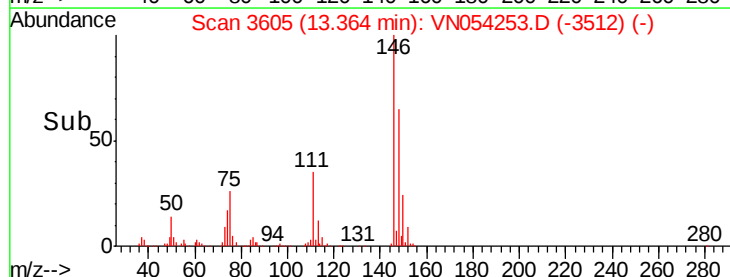
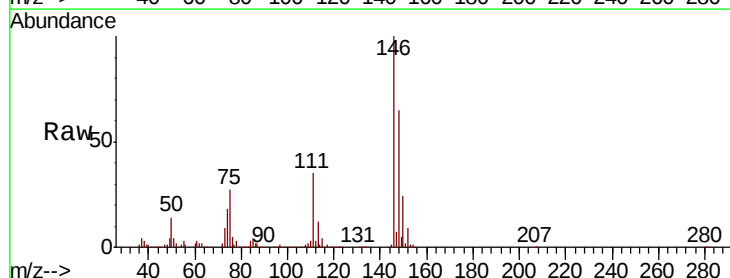
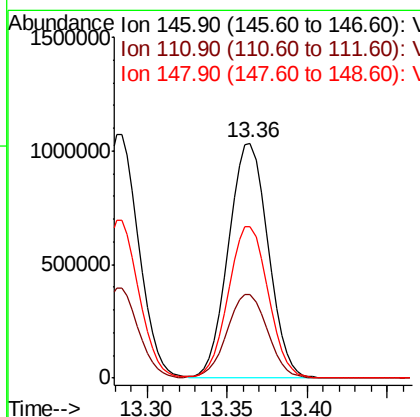
Manual Integrations
 APPROVED

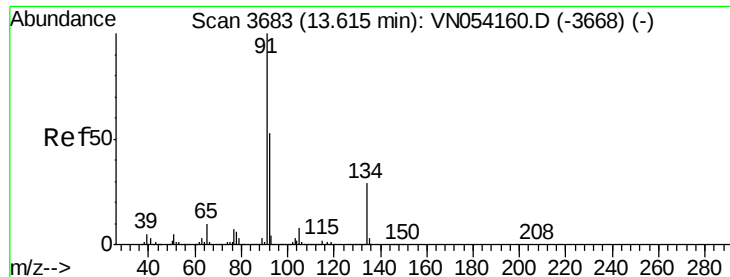
MMDadoda
 3/15/2019 9:42:06 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.592 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN054253.D
 Acq: 14 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.1
148	64.8	32.0	96.0





#89

n-Butylbenzene

Concen: 55.579 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

Instrument :

MSVOA_N

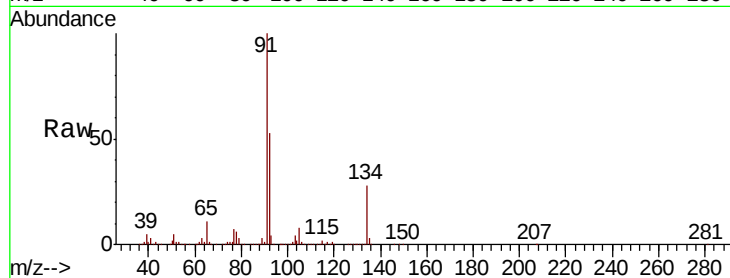
ClientSampleId :

VSTDCCC050

Tgt Ion:	91	Resp:	2842503
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.6
134	28.6	14.3	42.9

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM

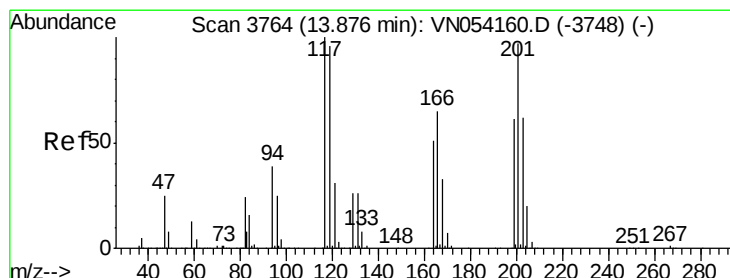
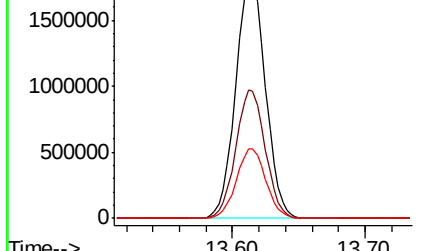
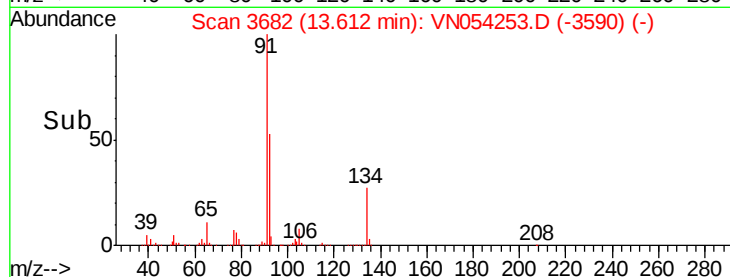


Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 46.125 ug/l

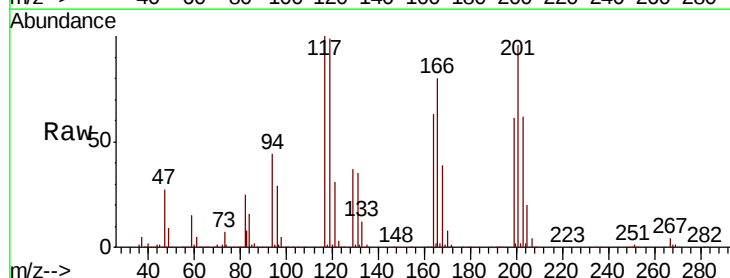
RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054253.D

Acq: 14 Mar 2019 10:28

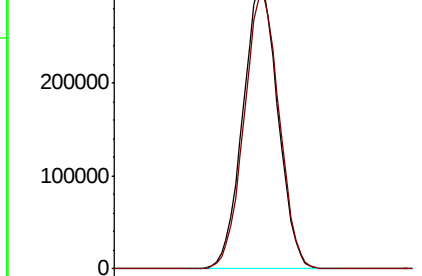
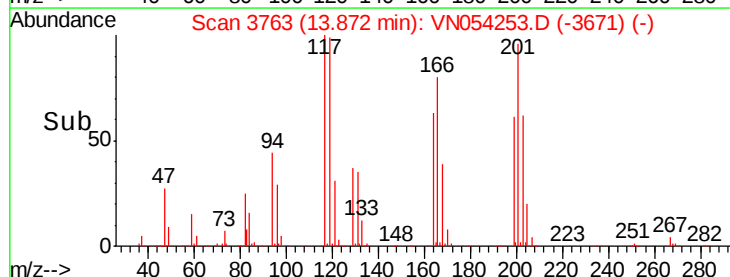
Tgt Ion:	117	Resp:	514091
Ion	Ratio	Lower	Upper
117	100		
201	97.0	48.1	144.4

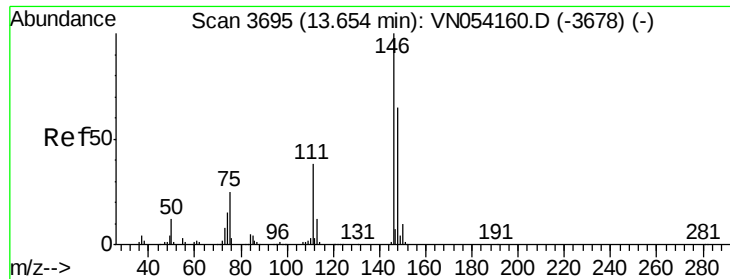


Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)

Time-->





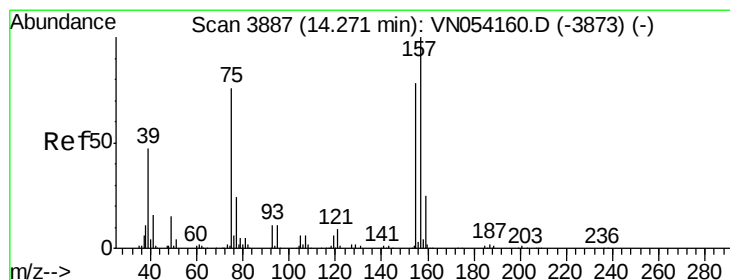
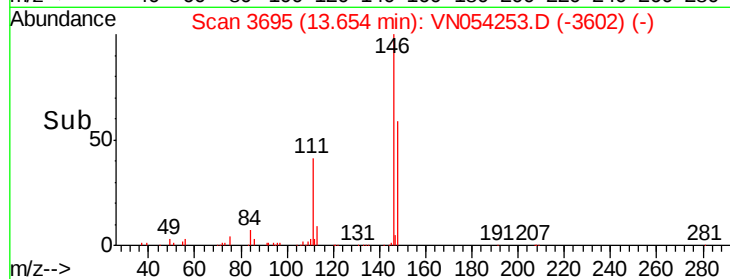
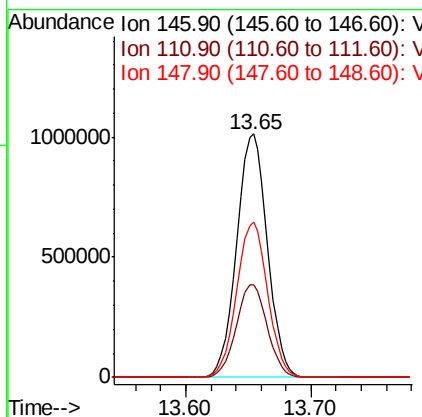
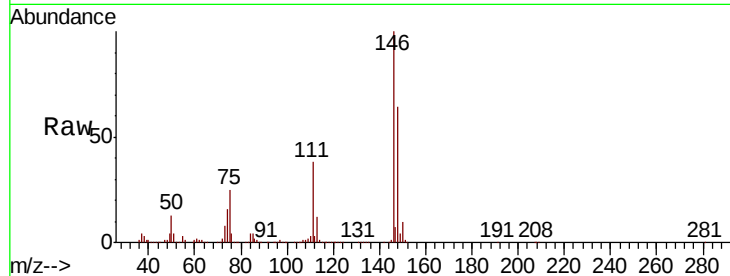
#91
 1,2-Dichlorobenzene
 Concen: 51.058 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054253.D
 Acq: 14 Mar 2019 10:28

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion: 146 Resp: 1719794
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.1 57.3
 148 64.3 32.4 97.0

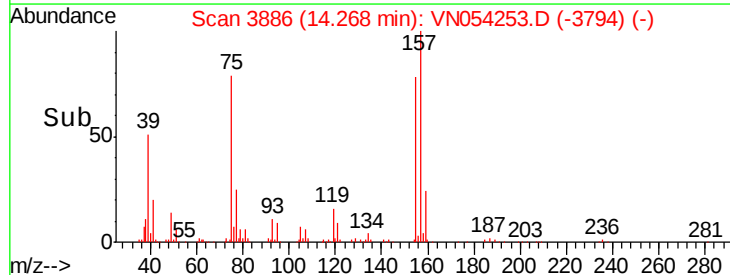
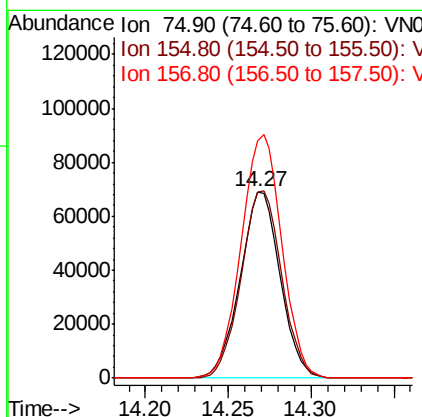
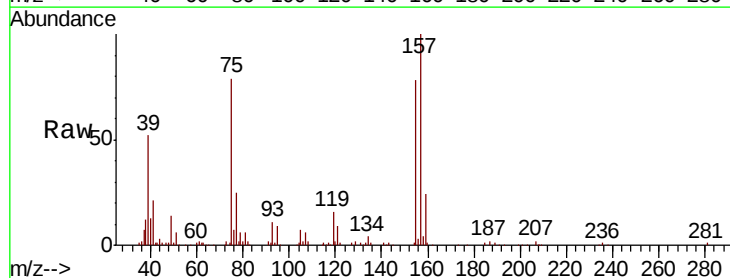
Manual Integrations
 APPROVED

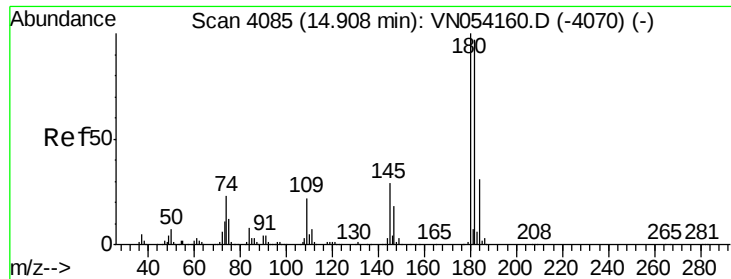
MMDadoda
 3/15/2019 9:42:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.562 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054253.D
 Acq: 14 Mar 2019 10:28

Tgt Ion: 75 Resp: 116076
 Ion Ratio Lower Upper
 75 100
 155 101.1 50.1 150.3
 157 132.8 63.1 189.3





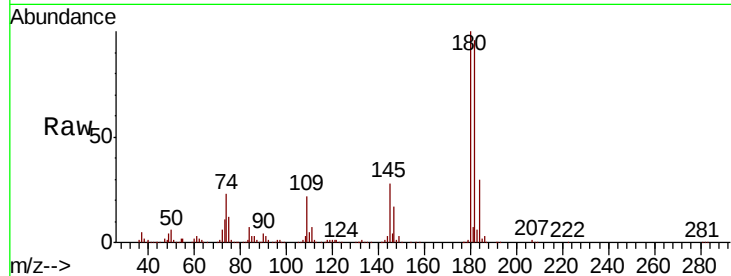
#93
 1,2,4-Trichlorobenzene
 Concen: 51.337 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054253.D
 Acq: 14 Mar 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

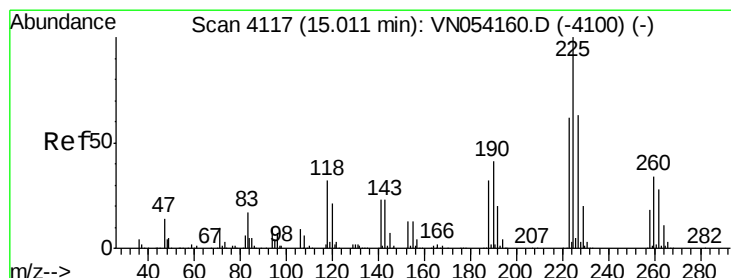
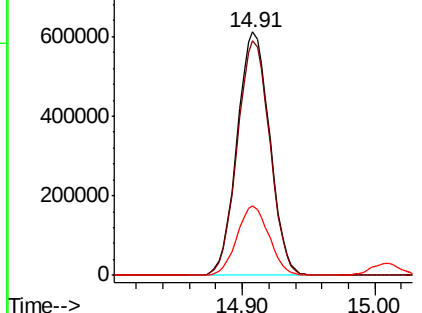
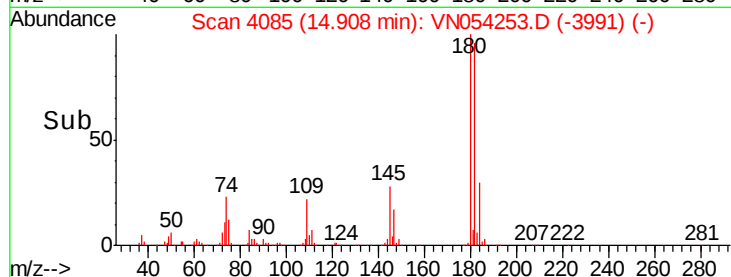
Tgt Ion:180 Resp: 1045396
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.0 144.2
 145 28.0 14.2 42.8

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:42:06 AM

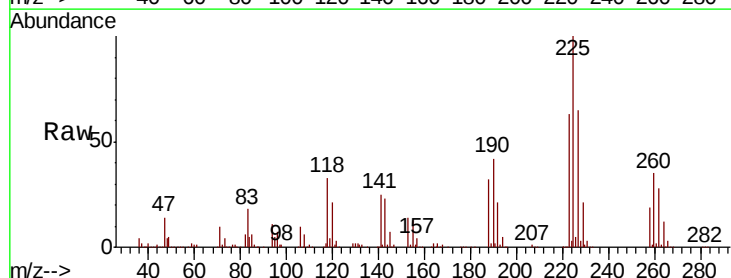


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

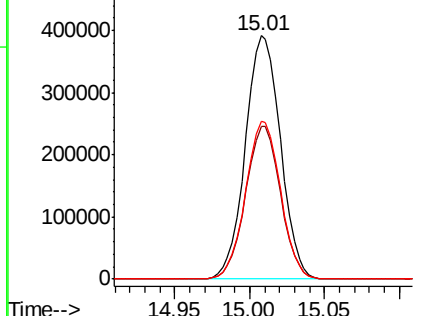
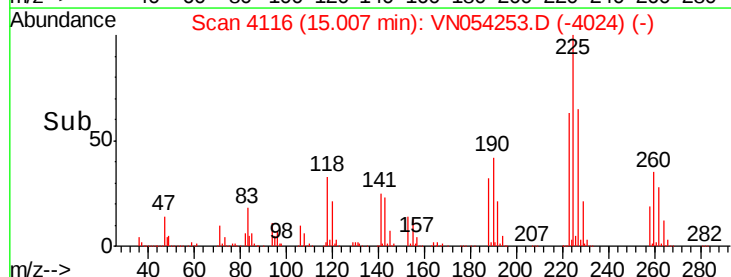


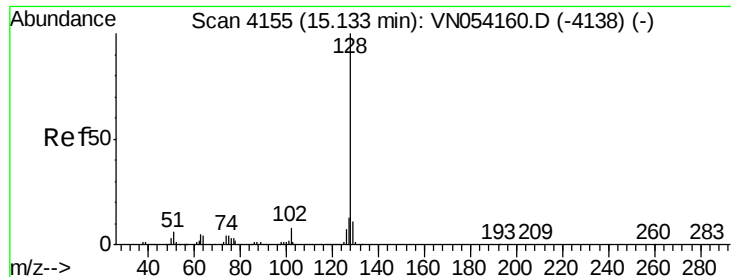
#94
 Hexachlorobutadiene
 Concen: 49.869 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054253.D
 Acq: 14 Mar 2019 10:28

Tgt Ion:225 Resp: 639819
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.1 93.5
 227 64.5 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





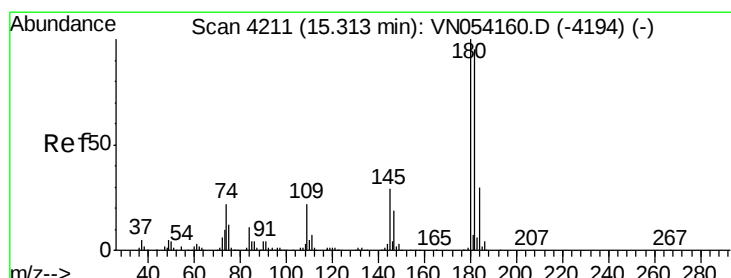
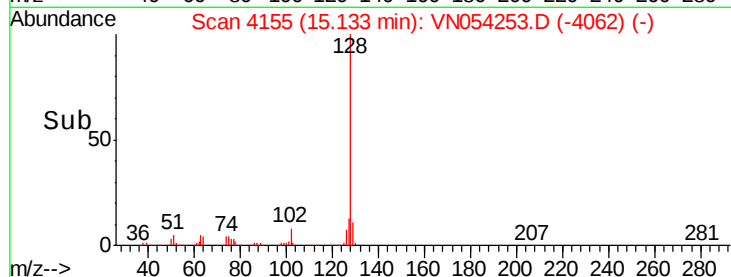
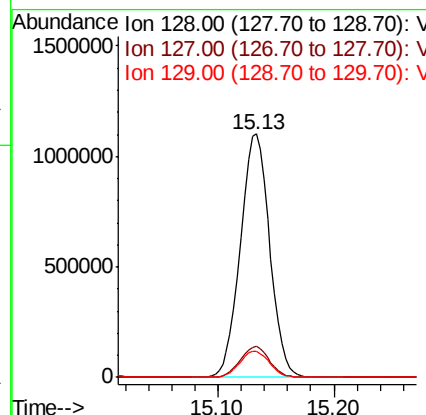
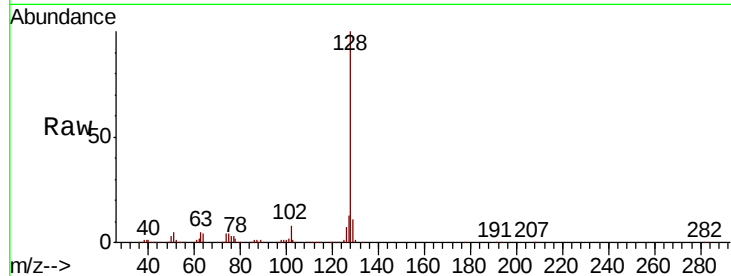
#95
Naphthalene
Concen: 45.698 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.395 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054253.D
Acq: 14 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	28.9	14.8	44.3

