

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
 Data File : VN054978.D
 Acq On : 11 Apr 2019 15:21
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 1:41:12 PM

Quant Time: Apr 12 07:50:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:37:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	76417	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	420938	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	371093	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	175602	32.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.87%
60) 4-Bromofluorobenzene	12.40	95	175558	31.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.67%
63) Toluene-d8	10.09	98	534268	29.83	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.43%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	219483	57.216	ug/l 100
3) Chloromethane	2.06	50	296290	58.351	ug/l 96
4) Vinyl Chloride	2.19	62	259370	51.499	ug/l 99
5) Bromomethane	2.56	94	148964	48.358	ug/l 94
6) Chloroethane	2.71	64	144554	49.026	ug/l 99
7) Trichlorofluoromethane	3.02	101	330868	53.869	ug/l 98
8) Diethyl Ether	3.41	74	110158	48.665	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	180483	46.112	ug/l 98
10) 1,1-Dichloroethene	3.73	96	165309	45.312	ug/l 98
11) Methyl Iodide	3.94	142	261099	48.684	ug/l 100
12) Methyl Acetate	4.33	43	214411	68.375	ug/l 100
13) Acrolein	3.61	56	89774	298.545	ug/l 99
14) Acrylonitrile	4.99	53	436981	296.200	ug/l 97
15) Acetone	3.82	58	108125	253.125	ug/l 95
16) Carbon Disulfide	4.04	76	572957	48.655	ug/l 98
17) Allyl chloride	4.32	41	424998	65.006	ug/l 98
18) Methylene Chloride	4.54	84	245317	57.259	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	226241	56.680	ug/l 99
20) Diisopropyl ether	5.96	45	864929	65.855	ug/l 99
21) 1,1-Dichloroethane	5.85	63	457945	59.117	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	258331	57.946	ug/l 100
23) tert-Butyl Alcohol	4.81	59	66532m	255.578	ug/l
24) Methyl tert-Butyl Ether	5.05	73	580181	58.704	ug/l # 66
25) Chloroform	7.37	83	440014	58.934	ug/l 98
26) Cyclohexane	7.65	56	423119	60.347	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	339374	58.739	ug/l 98
30) 2-Butanone	6.85	43	570262	313.179	ug/l 99
31) 2,2-Dichloropropane	6.82	77	305387	53.827	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	351951	56.647	ug/l 99
33) Carbon Tetrachloride	7.77	117	301446	54.920	ug/l 98
34) Benzene	8.04	78	987751	57.537	ug/l # 93
35) Methacrylonitrile	7.18	41	127402	61.323	ug/l 95
36) 1,2-Dichloroethane	8.12	62	337732	60.581	ug/l # 88
37) Trichloroethene	8.83	130	249798	55.560	ug/l 96
38) Methylcyclohexane	9.08	83	383063	56.245	ug/l 99
39) 1,2-Dichloropropane	9.12	63	274834	58.208	ug/l 99
40) Dibromomethane	9.21	93	152468	56.496	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
 Data File : VN054978.D
 Acq On : 11 Apr 2019 15:21
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 1:41:12 PM

Quant Time: Apr 12 07:50:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:37:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	321028	56.345	ug/l	99
42) Vinyl Acetate	5.90	43	2862275	307.169	ug/l	99
43) Ethyl Acetate	6.94	43	222795	58.587	ug/l	100
44) Isopropyl Acetate	8.17	43	389632	58.787	ug/l	97
45) 1,4-Dioxane	9.20	88	41122	1167.151	ug/l	94
46) Methyl methacrylate	9.20	41	206545	64.756	ug/l	97
47) n-amyl Acetate	12.07	43	291343	60.866	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	299242	53.306	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	366546	55.173	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	211929	56.201	ug/l	99
51) Ethyl methacrylate	10.43	69	249980	56.326	ug/l	98
52) 1,3-Dichloropropane	10.71	76	371512	57.554	ug/l	100
53) Dibromochloromethane	10.90	129	218299	53.339	ug/l	98
54) 1,2-Dibromoethane	11.00	107	199358	56.118	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	531349	260.357	ug/l	99
56) Bromoform	12.13	173	136374	50.701	ug/l #	99
58) 4-Methyl-2-Pentanone	9.99	43	1114843	308.108	ug/l	99
59) 2-Hexanone	10.75	43	706999	298.960	ug/l	99
61) Tetrachloroethene	10.63	164	246105	53.998	ug/l	100
62) Toluene	10.16	91	1037013	56.968	ug/l	99
64) Chlorobenzene	11.43	112	630181	56.743	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	226191	55.797	ug/l	99
66) Ethyl Benzene	11.51	91	1118628	58.799	ug/l	100
67) m/p-Xylenes	11.62	106	835778	117.225	ug/l	99
68) o-Xylene	11.95	106	411355	59.289	ug/l	99
69) Styrene	11.96	104	640947	58.956	ug/l	99
70) Isopropylbenzene	12.25	105	1097654	60.244	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	251051	56.243	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	206034m	60.424	ug/l	
73) Bromobenzene	12.53	156	261130	57.200	ug/l	99
74) n-propylbenzene	12.59	91	1242634	57.586	ug/l	99
75) 2-Chlorotoluene	12.67	91	740474	58.387	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	884354	57.583	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	51754	44.673	ug/l	91
78) 4-Chlorotoluene	12.77	91	721639	57.347	ug/l	100
79) tert-butylbenzene	12.99	119	774069	57.392	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	886427	58.377	ug/l	99
81) sec-Butylbenzene	13.17	105	1030563	55.948	ug/l	99
82) p-Isopropyltoluene	13.29	119	877523	55.989	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	447700	56.097	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	427144	56.188	ug/l	98
85) n-Butylbenzene	13.61	91	707111	52.710	ug/l	98
86) Hexachloroethane	13.87	117	139574	47.857	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	440829	56.911	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	33375	52.945	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	202530	53.444	ug/l	97
90) Hexachlorobutadiene	15.01	225	133624	46.635	ug/l	97
91) Naphthalene	15.13	128	413601	54.992	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	196843	52.091	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
Data File : VN054978.D
Acq On : 11 Apr 2019 15:21
Operator : JC/SP
Sample : VSTDICC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

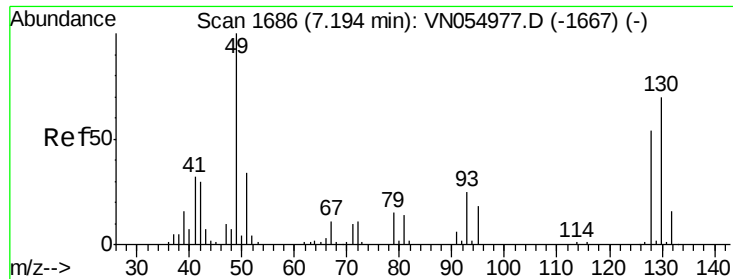
Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:41:12 PM

Quant Time: Apr 12 07:50:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:37:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



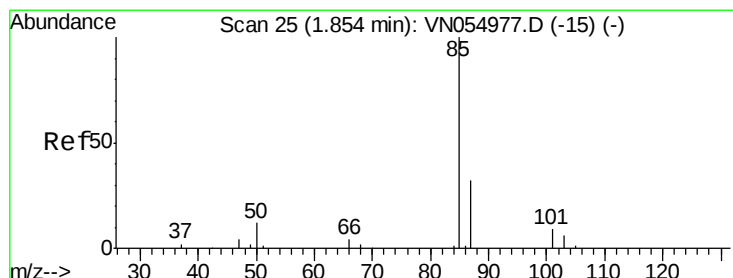
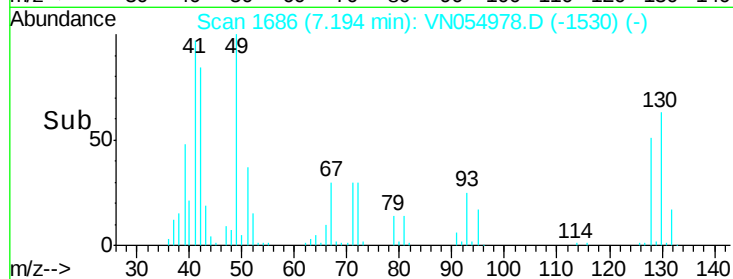
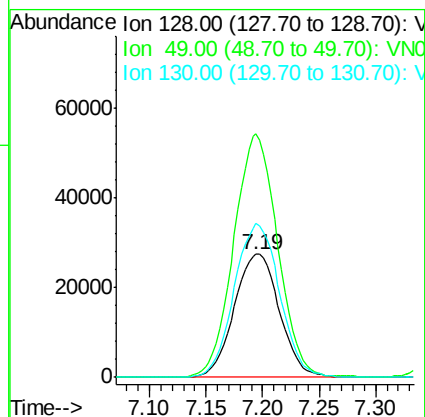
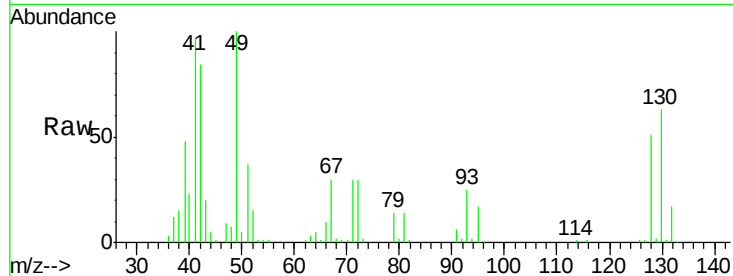
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	191.5	0.0	480.3
130	125.1	0.0	322.2

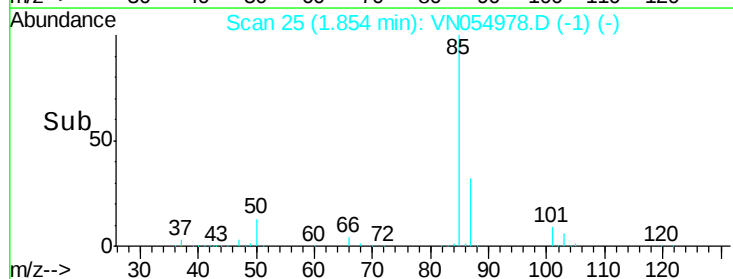
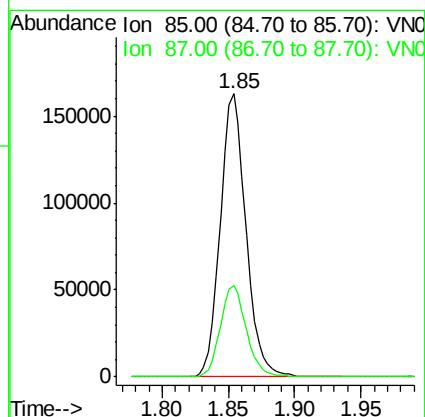
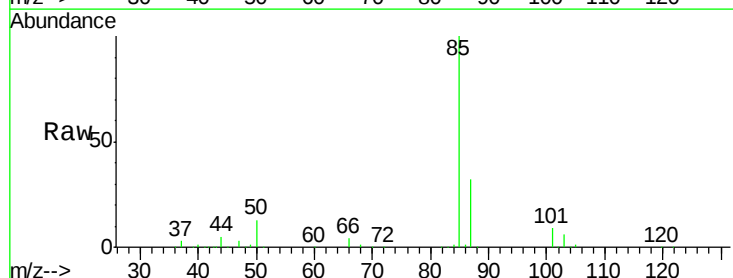
Manual Integrations
APPROVED

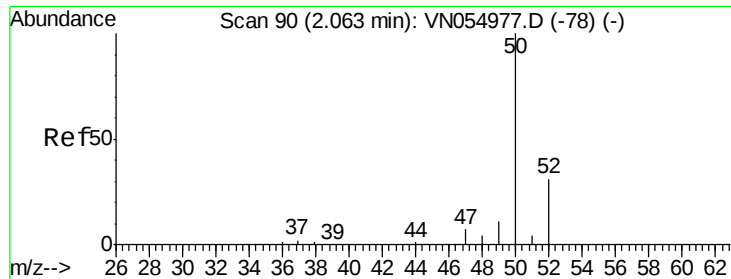
MMDadoda
4/12/2019 1:41:12 PM



#2
Dichlorodifluoromethane
Concen: 57.216 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.1	48.3





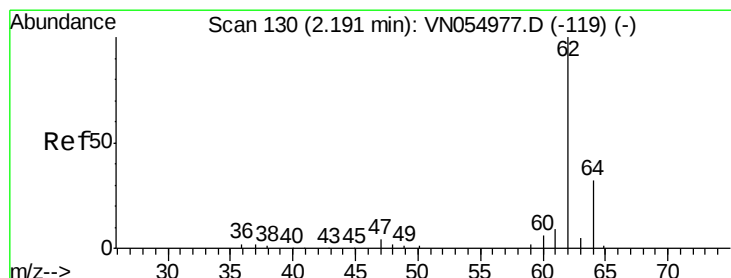
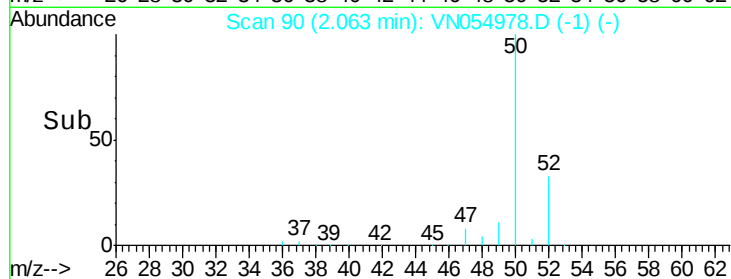
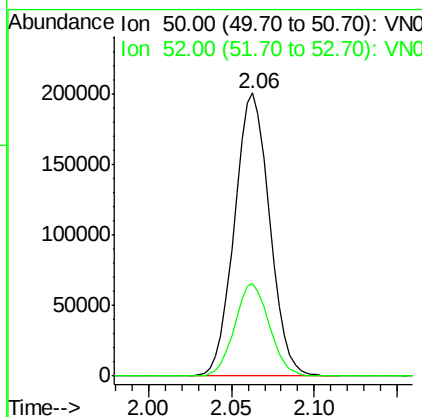
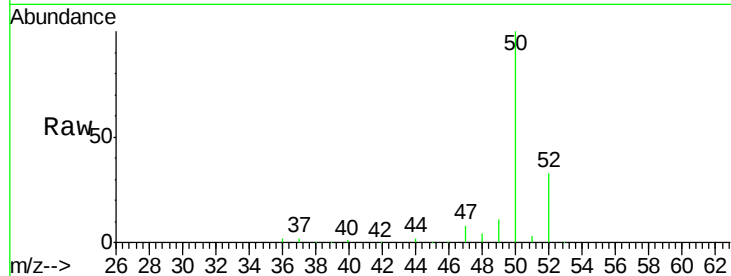
#3
Chloromethane
Concen: 58.351 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.6	24.5	36.7

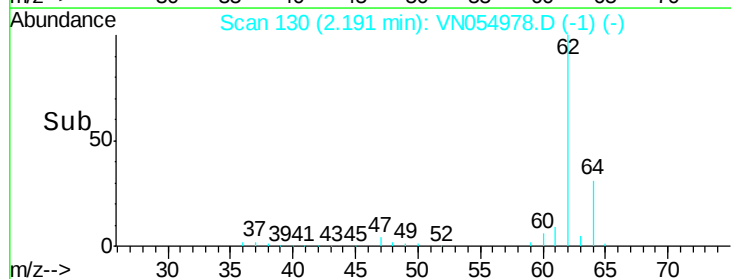
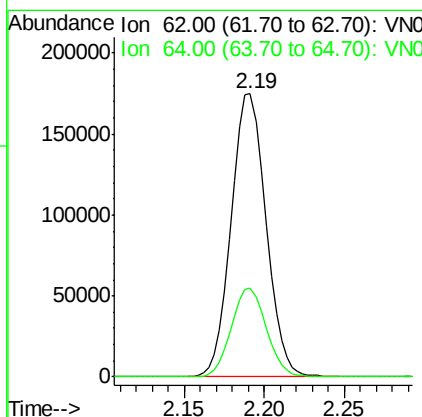
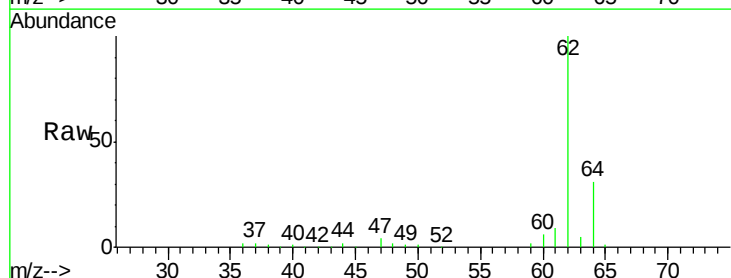
Manual Integrations
APPROVED

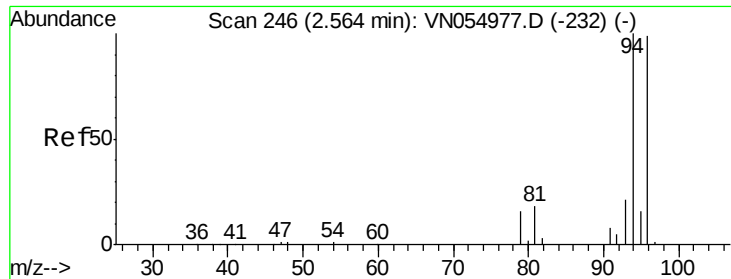
MMDadoda
4/12/2019 1:41:12 PM



#4
Vinyl Chloride
Concen: 51.499 ug/l
RT: 2.19 min Scan# 130
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.6	38.4





#5

Bromomethane

Concen: 48.358 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 148964

Ion Ratio Lower Upper

94 100

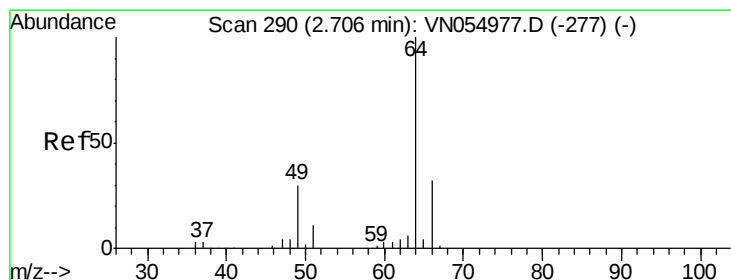
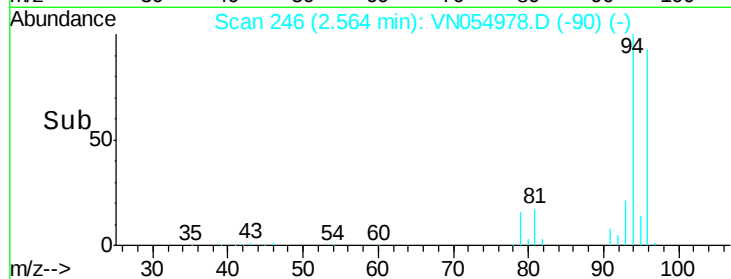
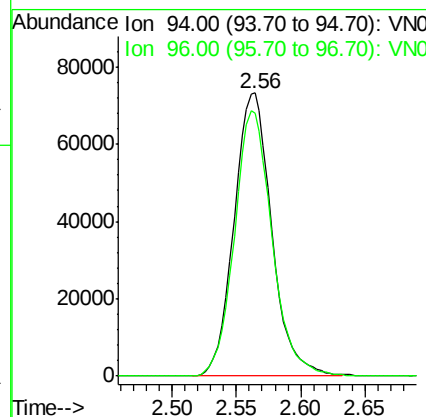
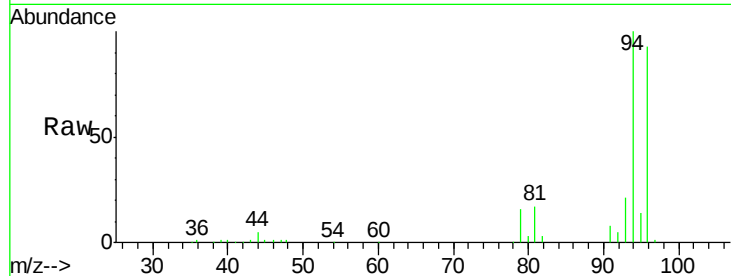
96 92.9 79.1 118.7

Manual Integrations

APPROVED

MMDadoda

4/12/2019 1:41:12 PM



#6

Chloroethane

Concen: 49.026 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054978.D

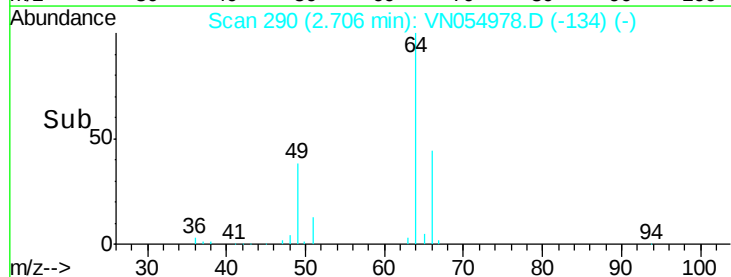
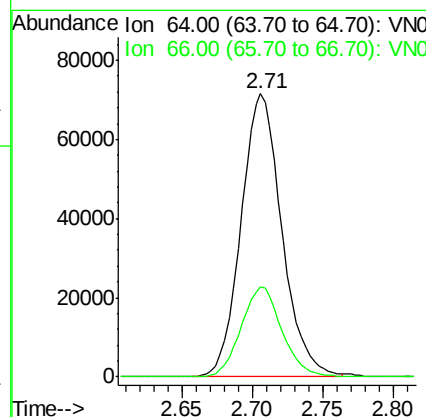
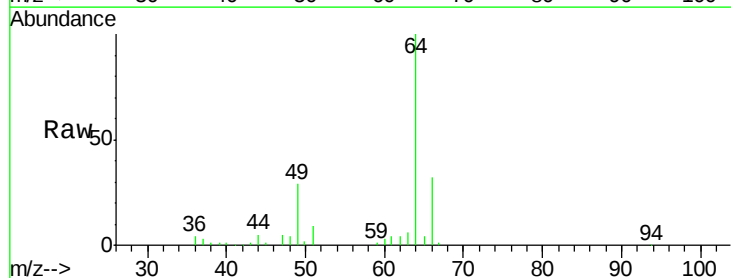
Acq: 11 Apr 2019 15:21

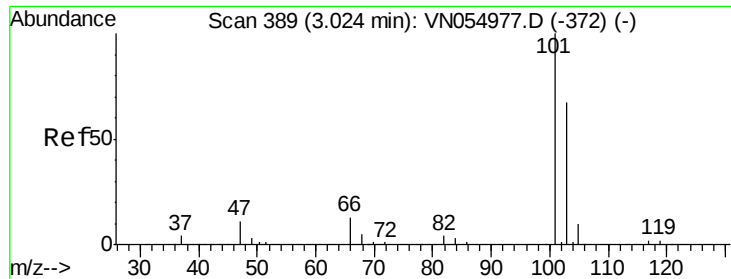
Tgt Ion: 64 Resp: 144554

Ion Ratio Lower Upper

64 100

66 31.7 25.7 38.5





#7

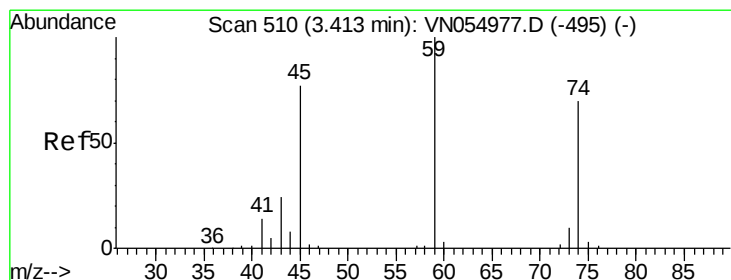
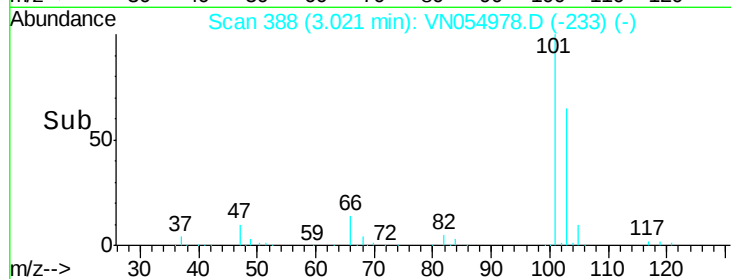
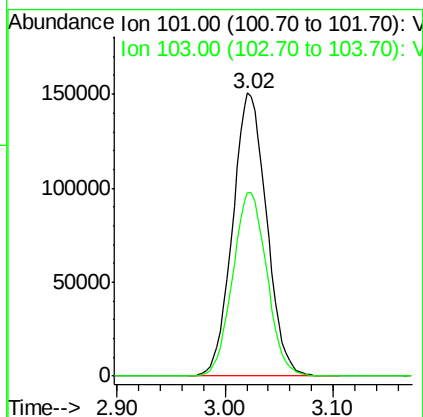
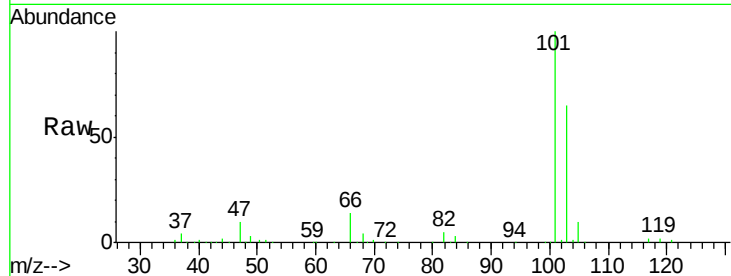
Trichlorofluoromethane
Concen: 53.869 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:101 Resp: 330868
Ion Ratio Lower Upper
101 100
103 64.9 53.4 80.0

Manual Integrations
APPROVED

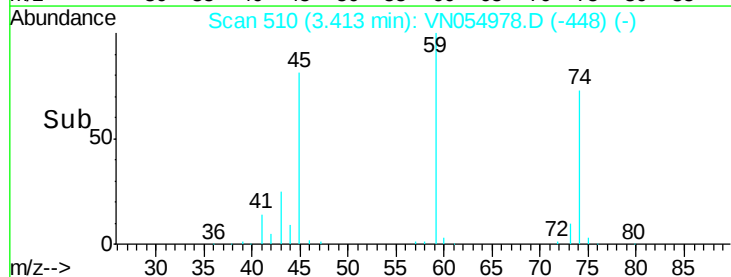
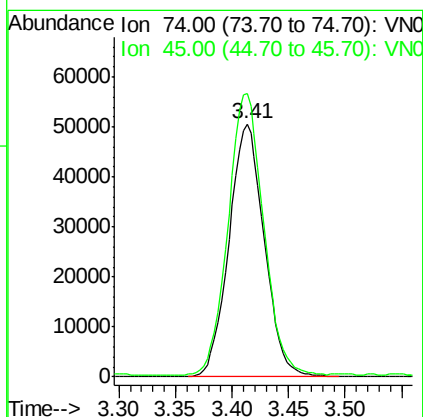
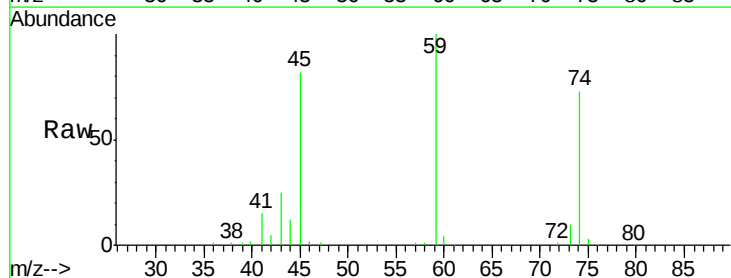
MMDadoda
4/12/2019 1:41:12 PM

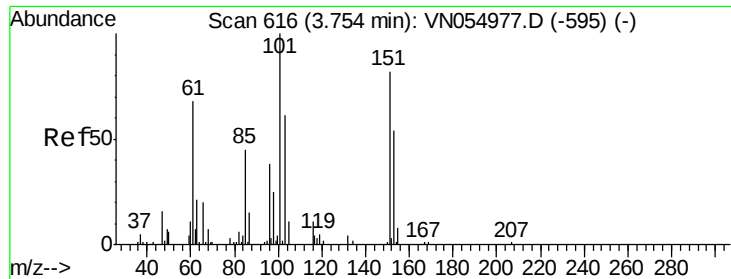


#8

Diethyl Ether
Concen: 48.665 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion: 74 Resp: 110158
Ion Ratio Lower Upper
74 100
45 112.6 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.112 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Instrument :

MSVOA_N

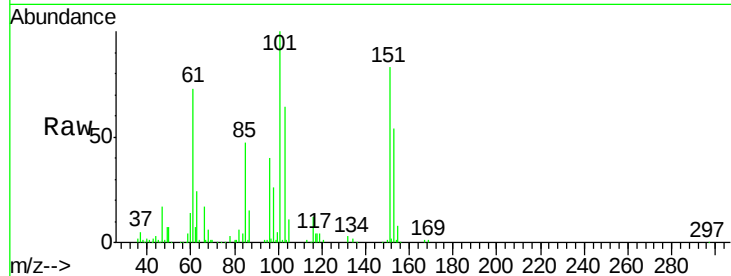
ClientSampleId :

VSTDIC050

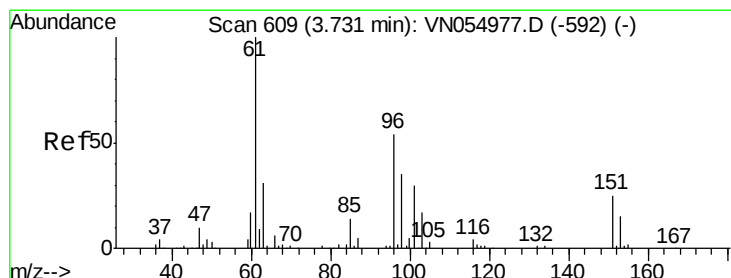
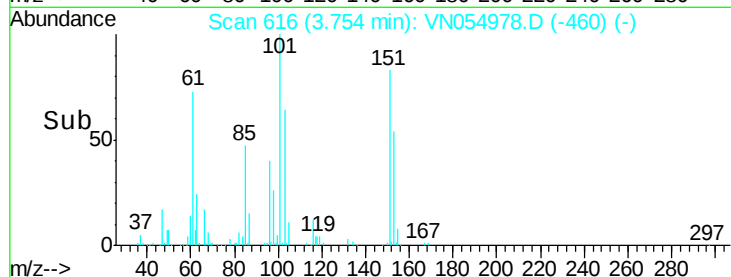
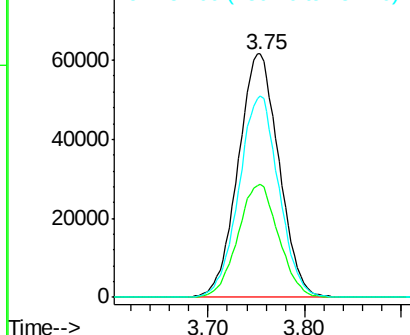
Tot Ion:	101	Resp:	180483
Ion Ratio	Lower	Upper	
101	100		
85	46.4	0.0	91.4
151	81.1	0.0	165.6

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:41:12 PM



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 45.312 ug/l

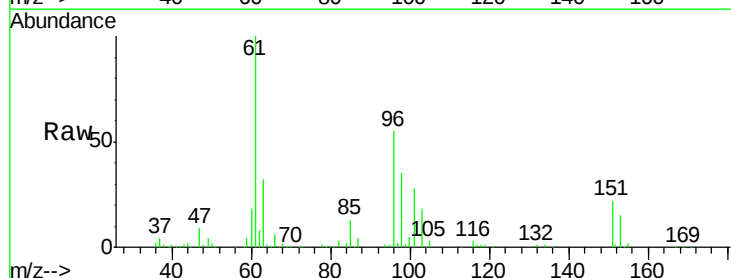
RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

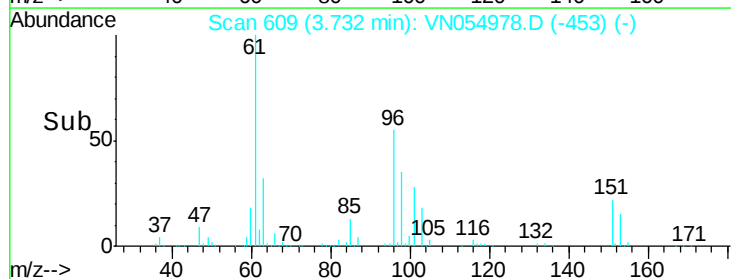
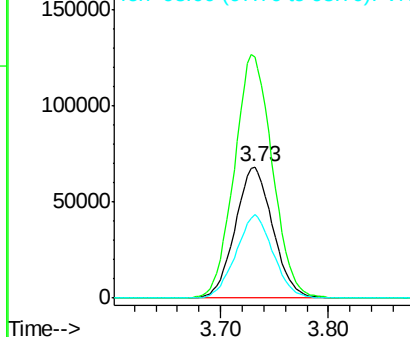
Lab File: VN054978.D

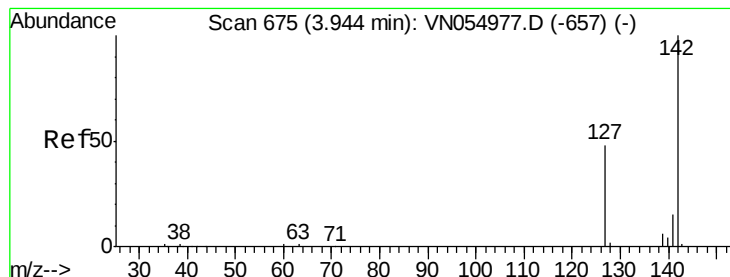
Acq: 11 Apr 2019 15:21

Tgt Ion:	96	Resp:	165309
Ion Ratio	Lower	Upper	
96	100		
61	183.0	148.4	222.6
98	63.3	52.2	78.2



Abundance Ion 96.00 (95.70 to 96.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 98.00 (97.70 to 98.70): V





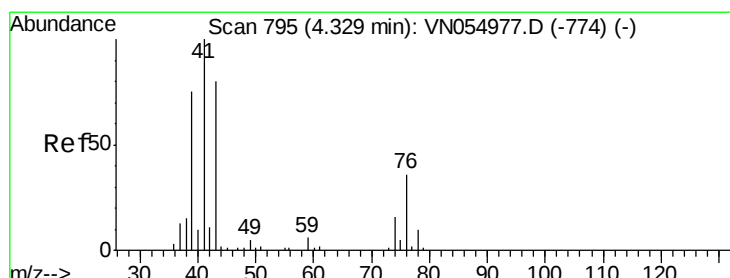
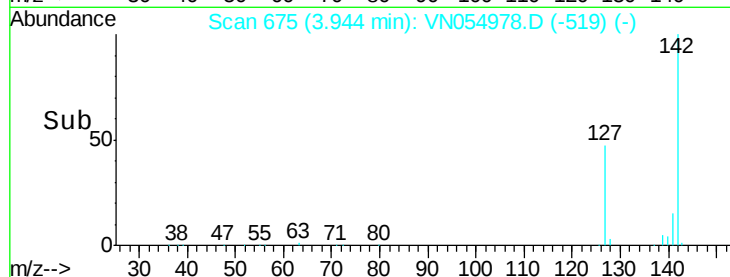
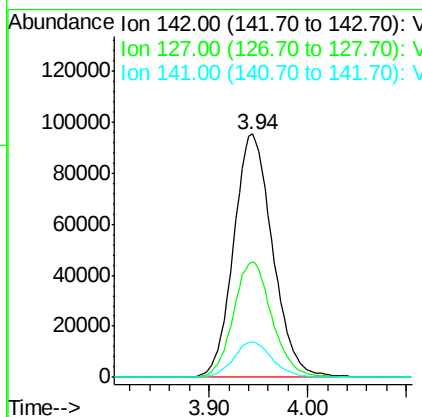
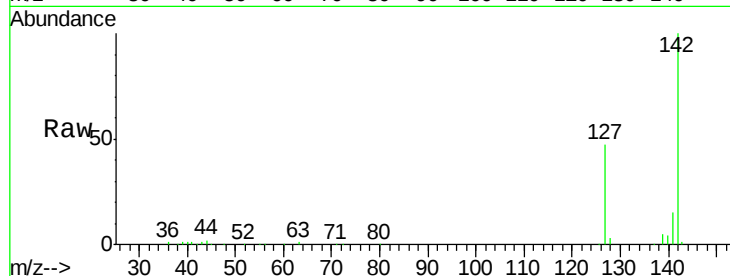
#11
Methvl Iodide
Concen: 48.684 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.4	23.8	71.5
141	14.6	7.3	22.0

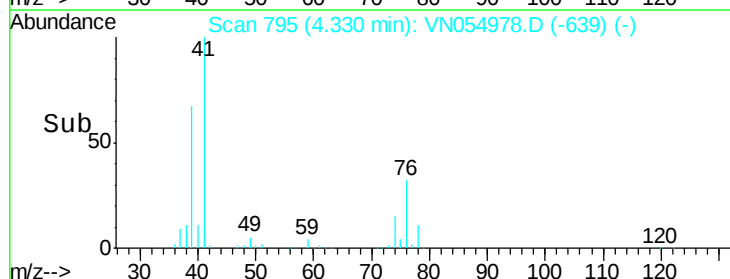
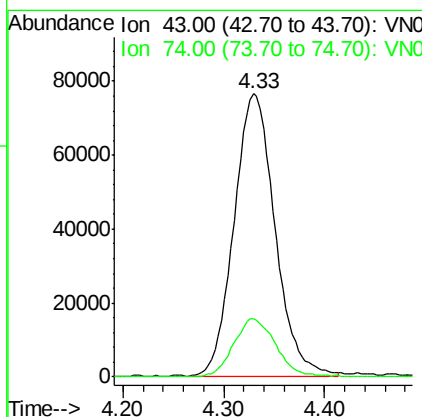
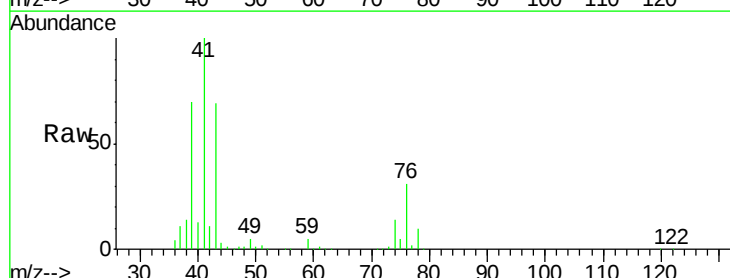
Manual Integrations
APPROVED

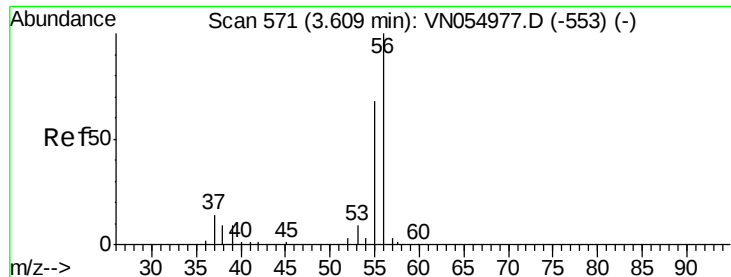
MMDadoda
4/12/2019 1:41:12 PM



#12
Methyl Acetate
Concen: 68.375 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.2	24.4





#13

Acrolein

Concen: 298.545 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 89774

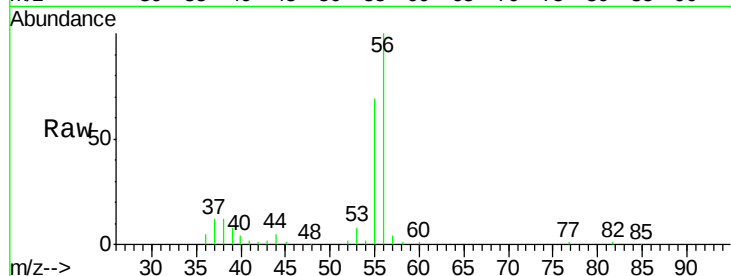
Ion Ratio Lower Upper

56 100

55 70.3 57.0 85.4

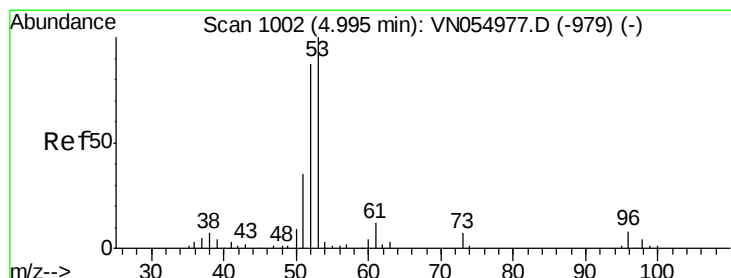
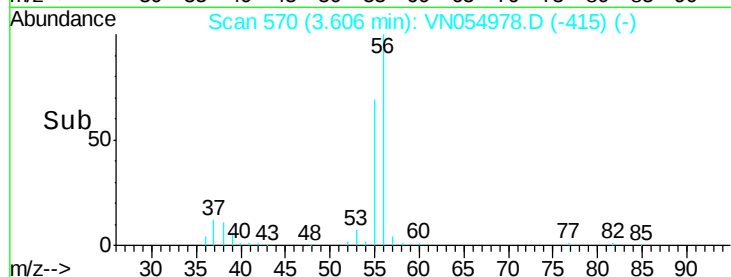
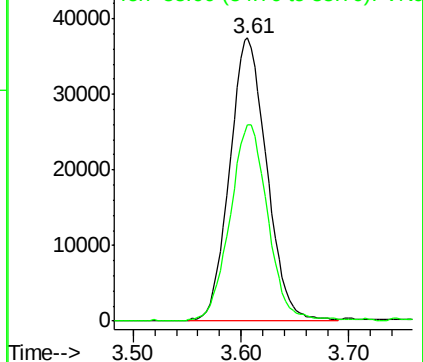
Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:41:12 PM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Acrylonitrile

Concen: 296.200 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

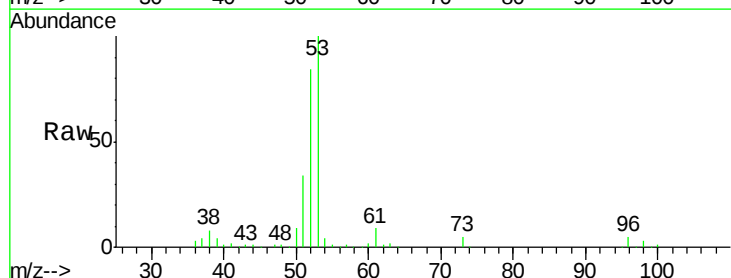
Tgt Ion: 53 Resp: 436981

Ion Ratio Lower Upper

53 100

52 81.6 42.3 126.8

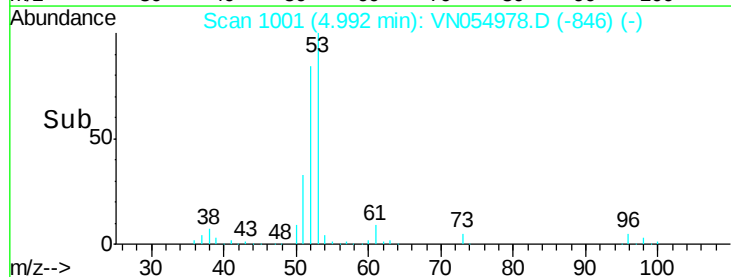
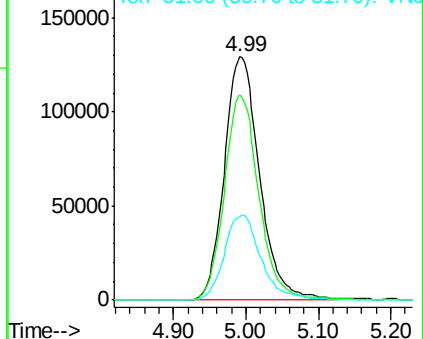
51 36.4 18.6 56.0

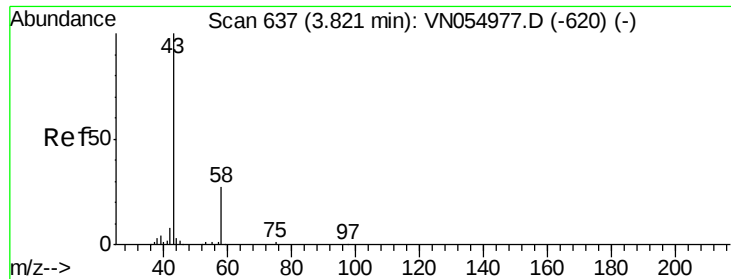


Abundance Ion 53.00 (52.70 to 53.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

Ion 51.00 (50.70 to 51.70): VNO





#15

Acetone

Concen: 253.125 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 108125

Ion Ratio Lower Upper

58 100

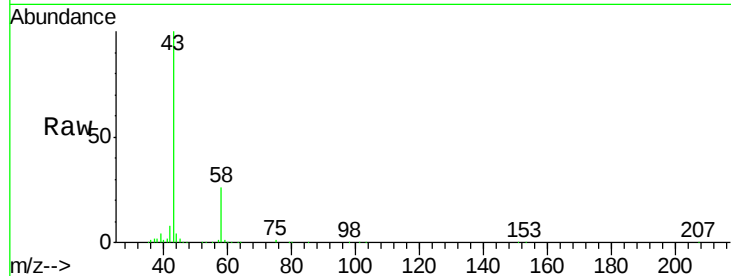
43 383.1 297.2 445.8

Manual Integrations

APPROVED

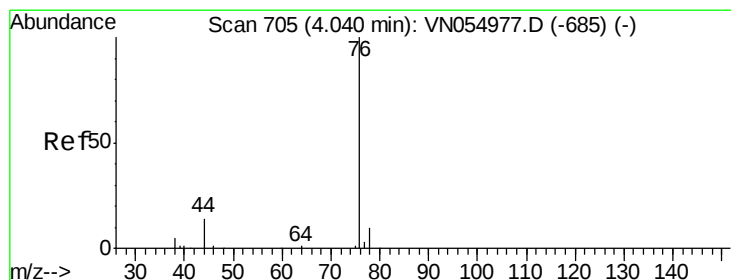
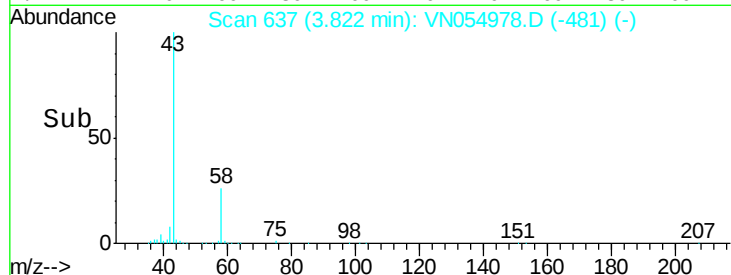
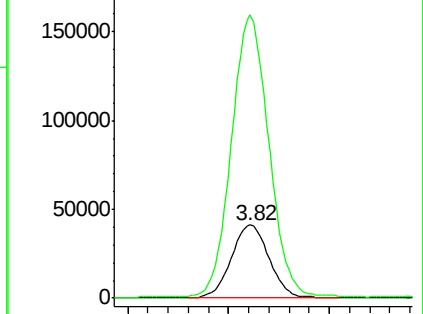
MMDadoda

4/12/2019 1:41:12 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 48.655 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054978.D

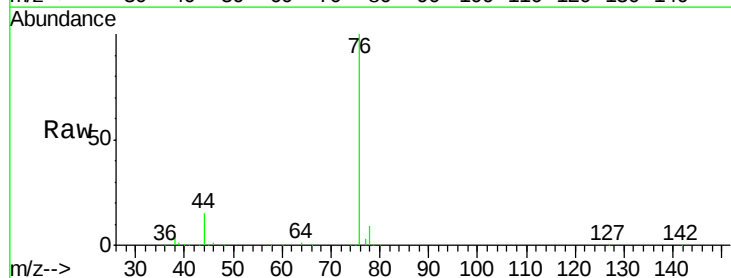
Acq: 11 Apr 2019 15:21

Tgt Ion: 76 Resp: 572957

Ion Ratio Lower Upper

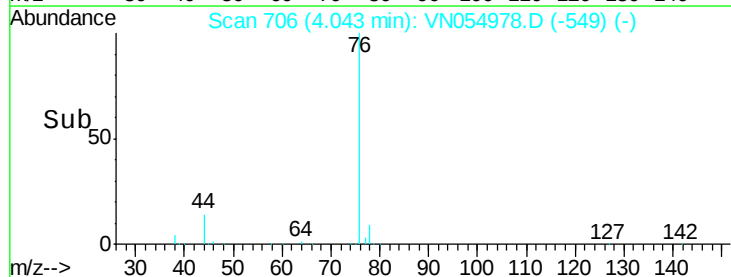
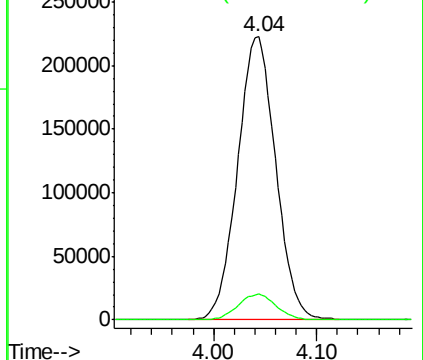
76 100

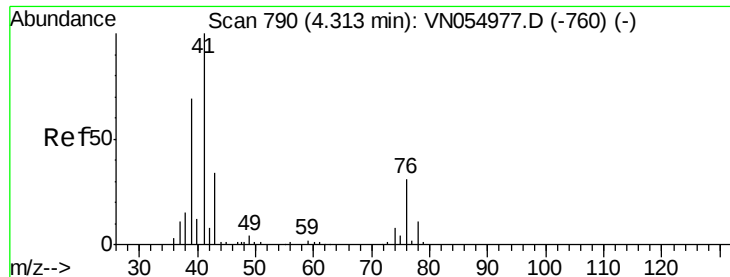
78 9.0 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





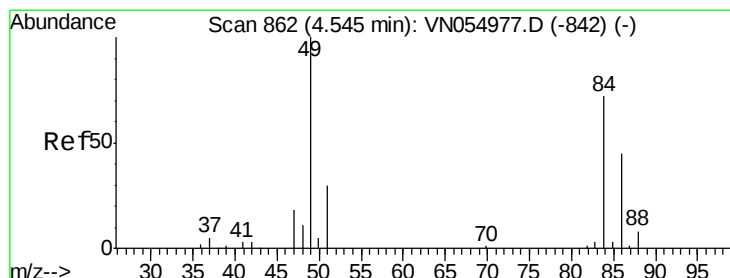
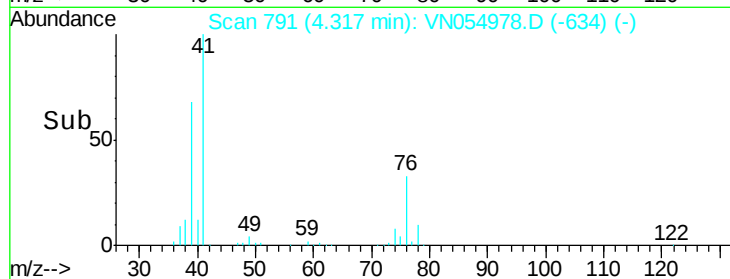
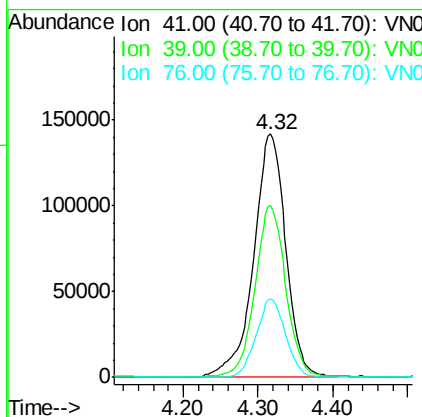
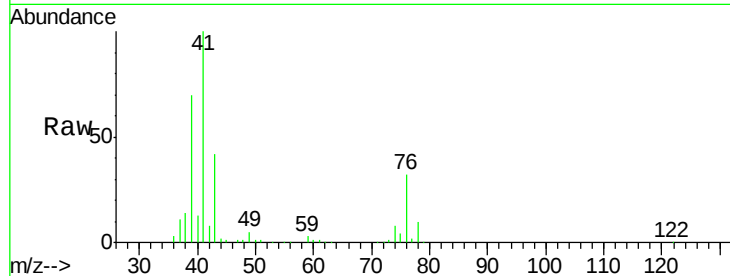
#17
Allvl chloride
Concen: 65.006 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.3	34.3	102.9
76	32.3	15.8	47.3

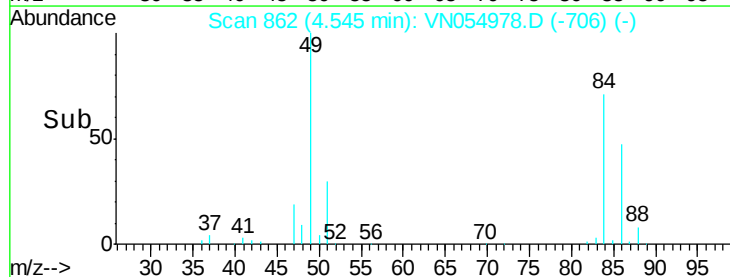
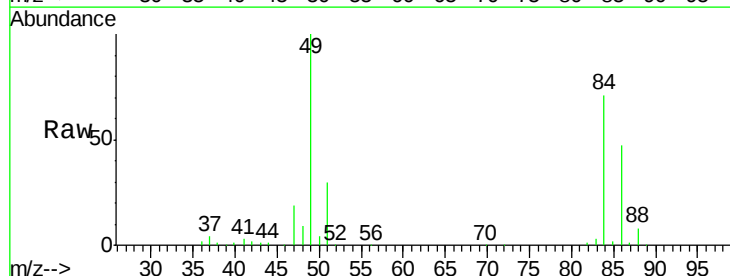
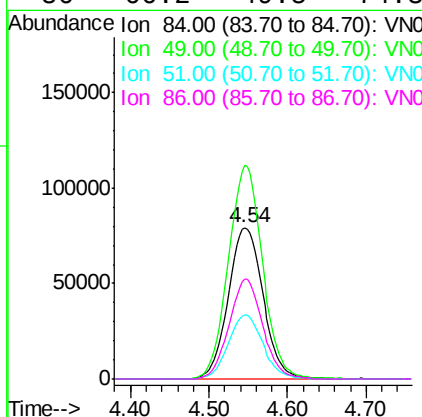
Manual Integrations
APPROVED

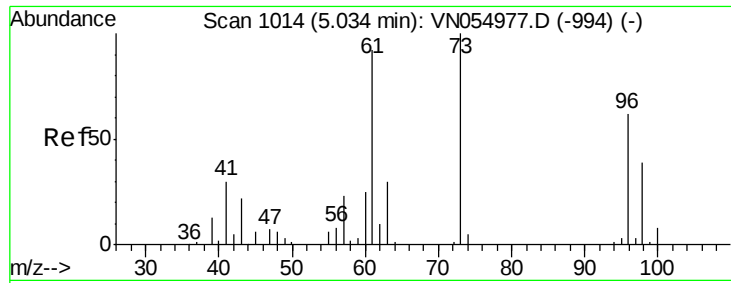
MMDadoda
4/12/2019 1:41:12 PM



#18
Methylene Chloride
Concen: 57.259 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.6	111.0	166.4
51	42.0	33.4	50.2
86	66.2	49.5	74.3





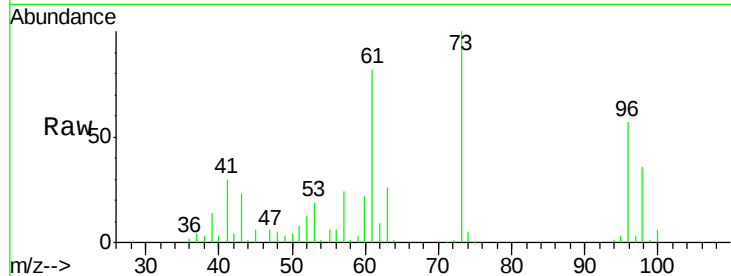
#19
trans-1,2-Dichloroethene
Concen: 56.680 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

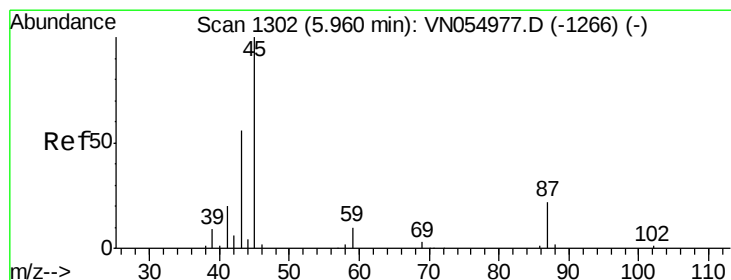
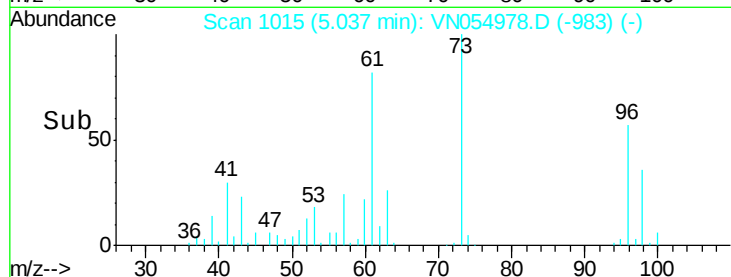
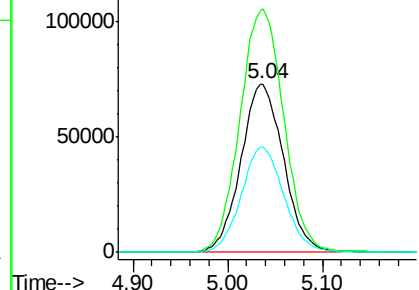
Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	144.8	117.2	175.8	
98	62.8	49.4	74.2	

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:41:12 PM



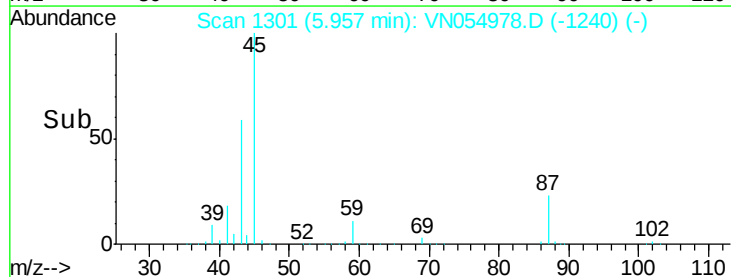
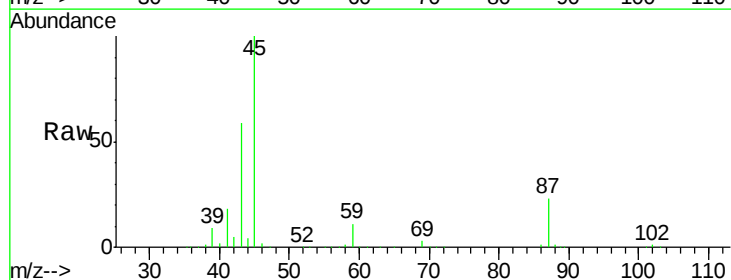
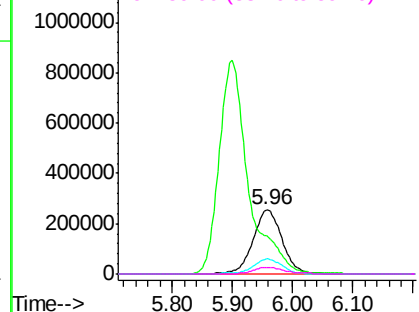
Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

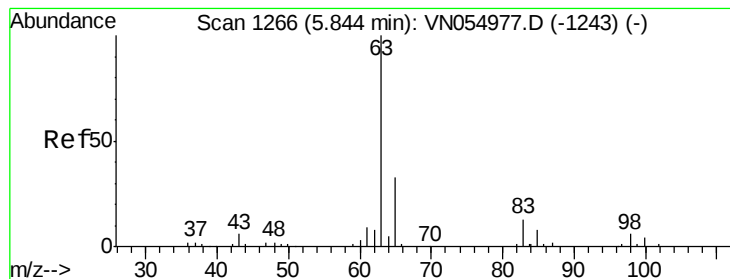


#20
Diisopropyl ether
Concen: 65.855 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	58.4	45.8	68.8	
87	23.1	18.2	27.4	
59	10.4	8.2	12.2	

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#21

1,1-Dichloroethane

Concen: 59.117 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Instrument :

MSVOA_N

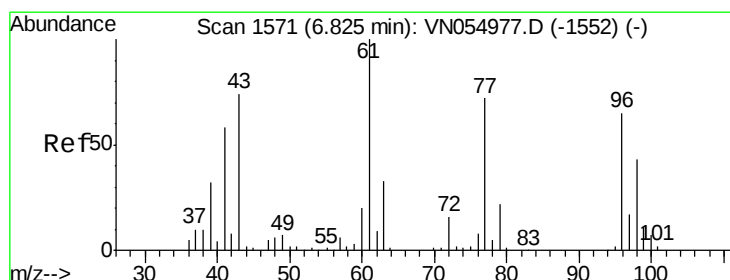
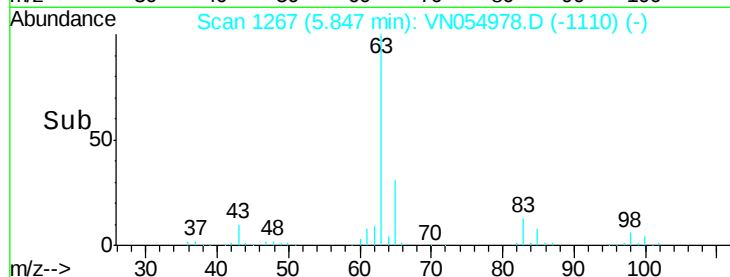
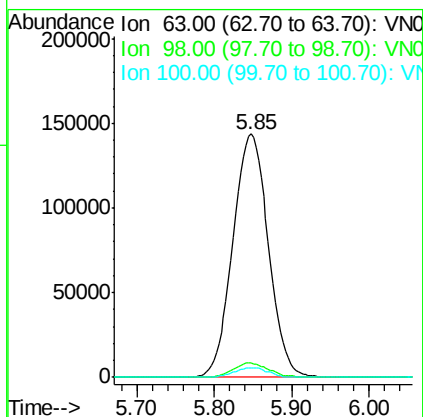
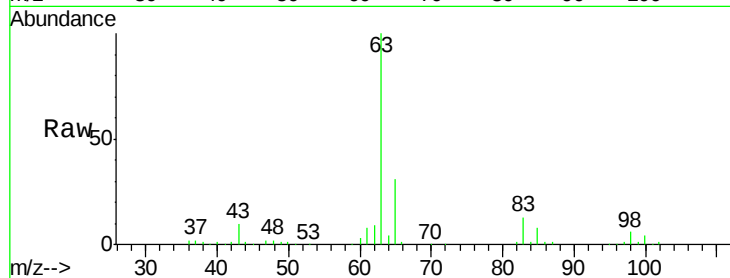
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	457945
Ion Ratio		Lower	Upper
63	100		
98	5.8	2.9	8.7
100	3.7	2.0	5.8

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:41:12 PM



#22

cis-1,2-Dichloroethene

Concen: 57.946 ug/l

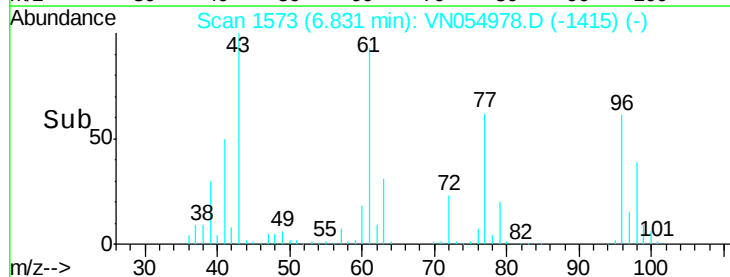
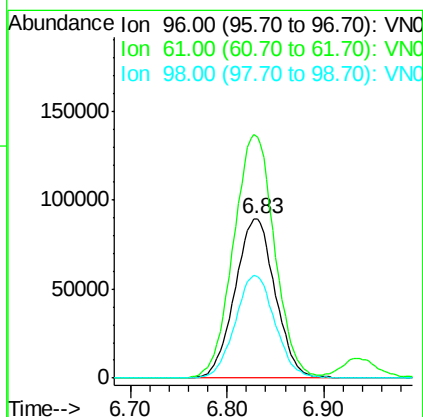
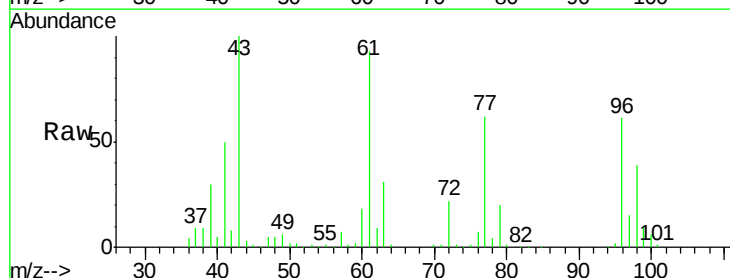
RT: 6.83 min Scan# 1573

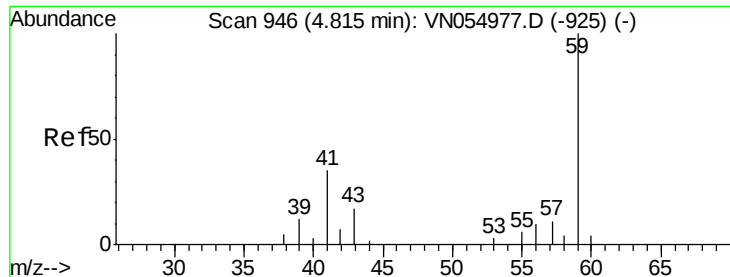
Delta R.T. 0.01 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Tgt Ion:	96	Resp:	258331
Ion Ratio		Lower	Upper
96	100		
61	156.2	125.0	187.6
98	64.1	52.2	78.2





#23

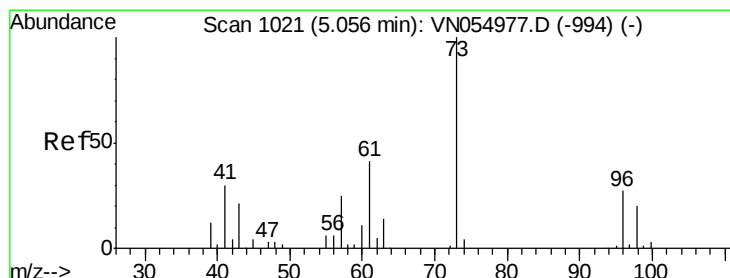
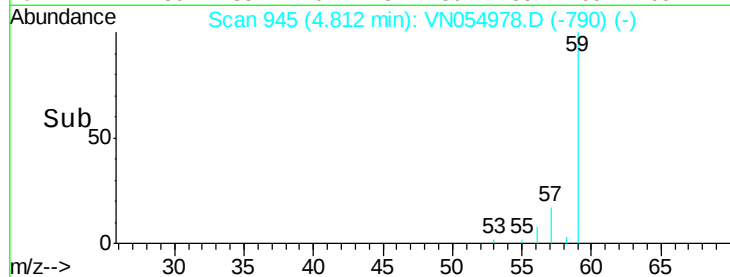
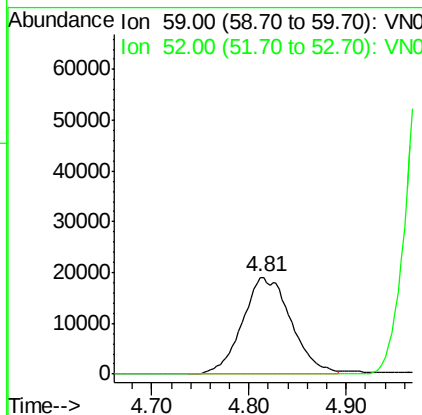
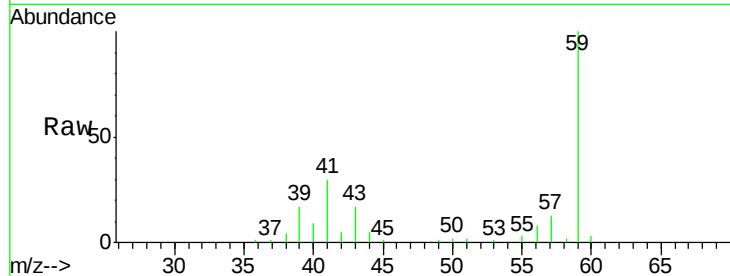
tert-Butyl Alcohol
 Concen: 255.578 ug/l m
 RT: 4.81 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	59	Resp	66532
Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

Manual Integrations
 APPROVED

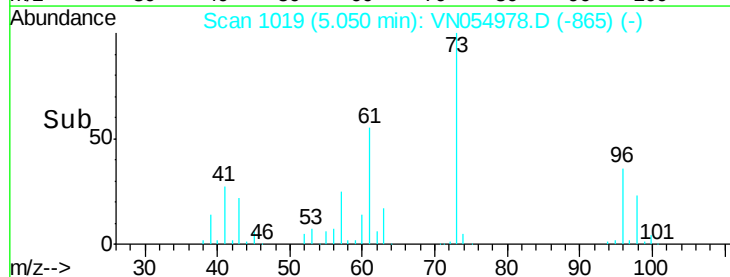
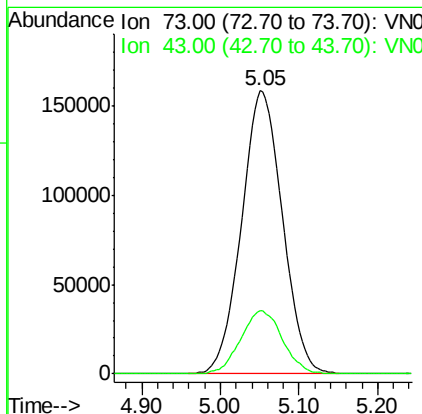
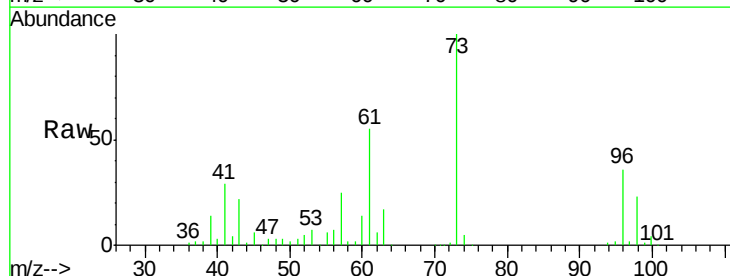
MMDadoda
 4/12/2019 1:41:12 PM

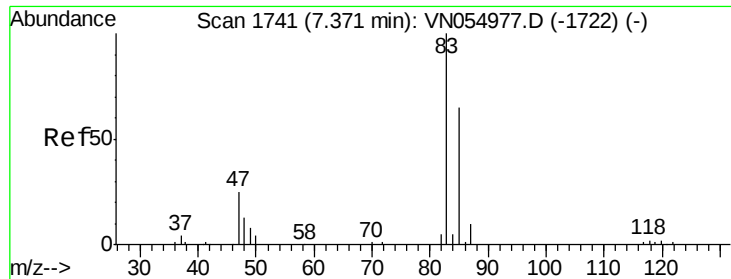


#24

Methyl tert-Butyl Ether
 Concen: 58.704 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Tgt Ion	73	Resp	580181
Ion	Ratio	Lower	Upper
73	100		
43	22.6	8.0	12.0#





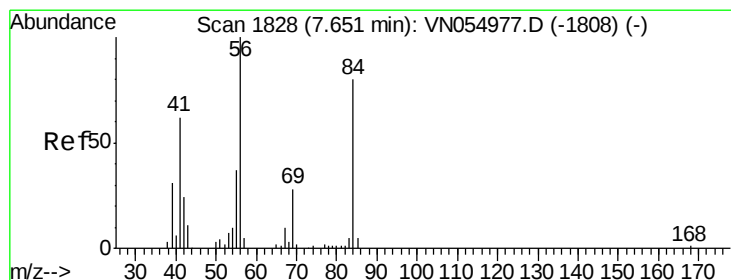
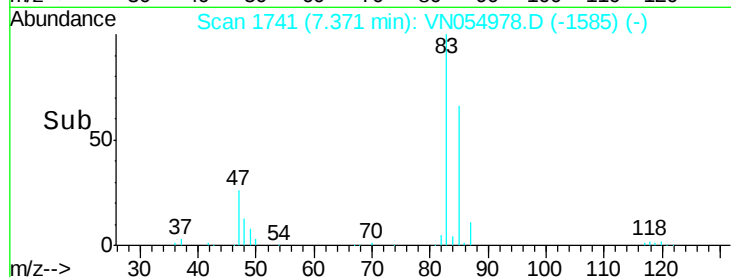
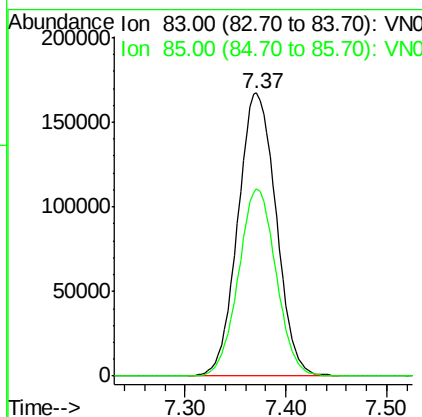
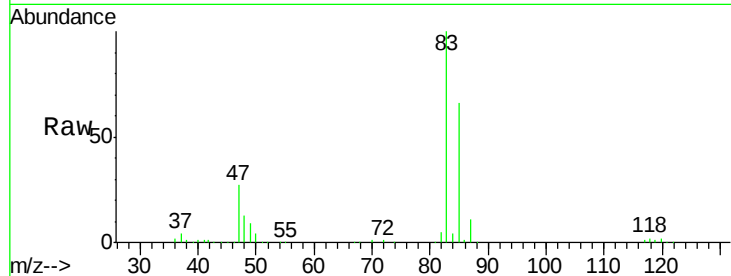
#25
Chloroform
Concen: 58.934 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	440014
Ion Ratio	100	Lower	Upper
83	100		
85	66.3	51.8	77.8

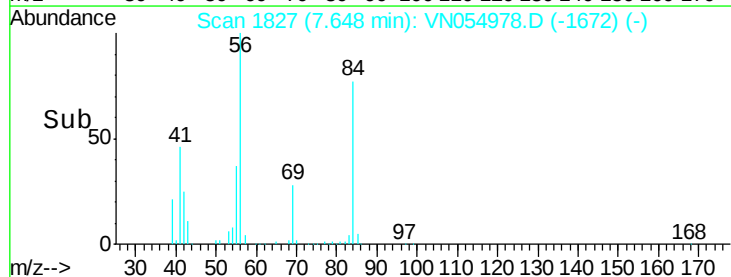
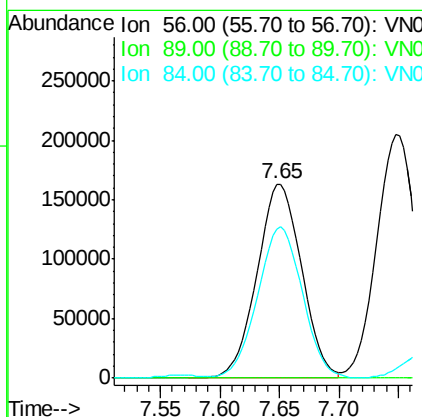
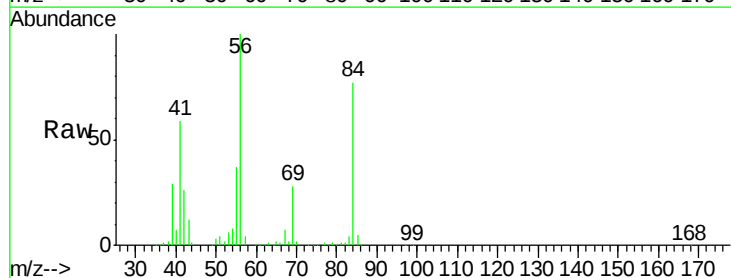
Manual Integrations
APPROVED

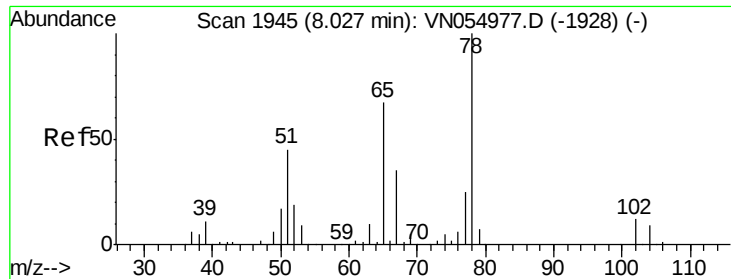
MMDadoda
4/12/2019 1:41:12 PM



#26
Cyclohexane
Concen: 60.347 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	56	Resp	423119
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	77.8	63.5	95.3





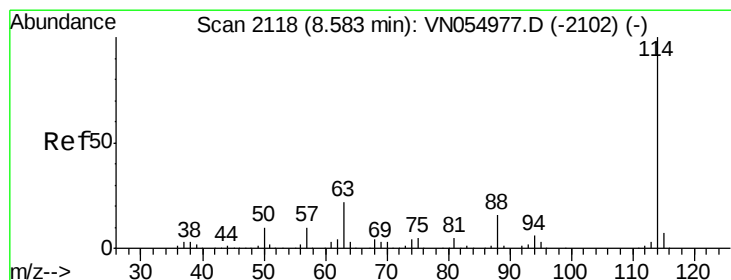
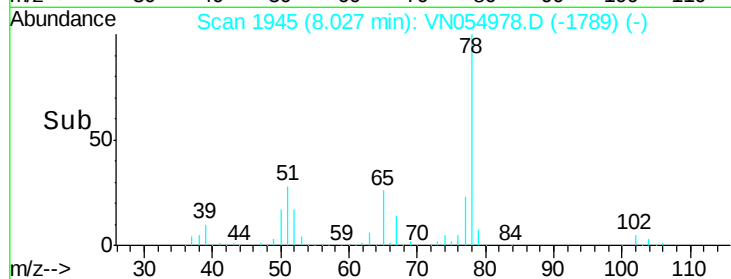
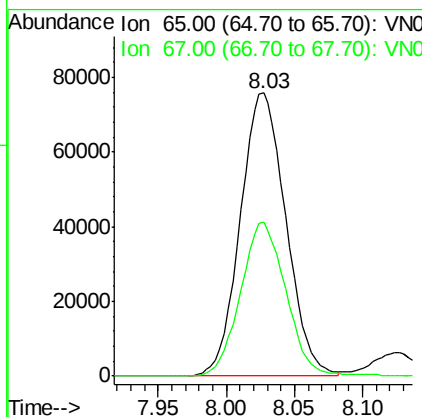
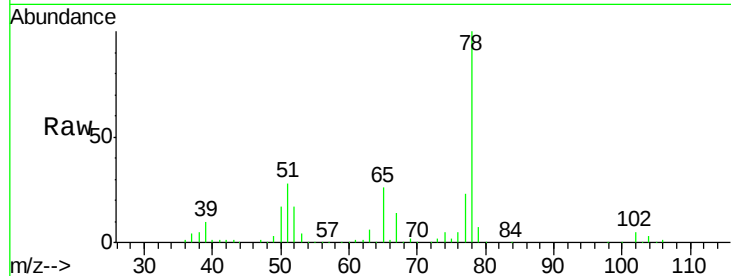
#27
 1,2-Dichloroethane-d4
 Concen: 60.347 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	41.8	62.8

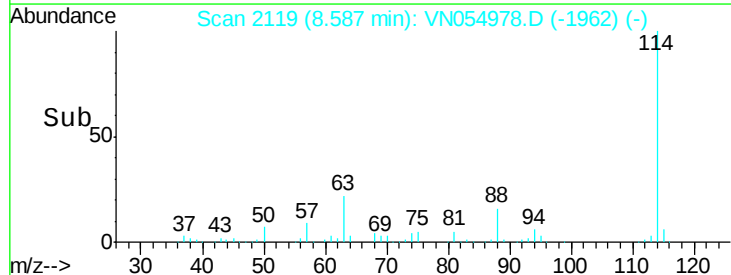
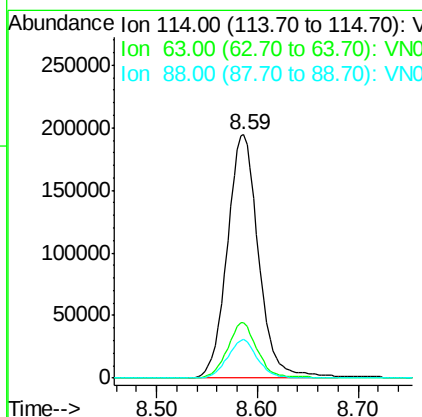
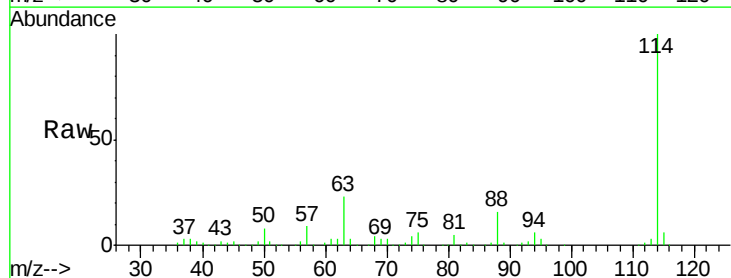
Manual Integrations
 APPROVED

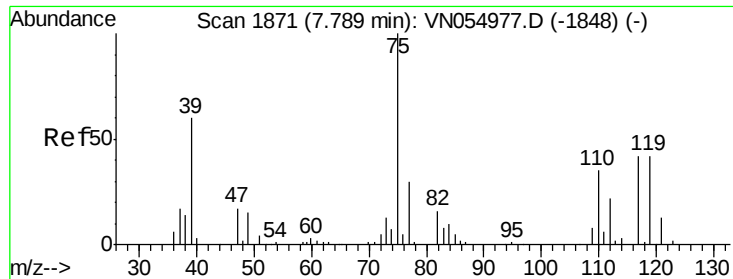
MMDadoda
 4/12/2019 1:41:12 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	17.0	25.4
88	15.0	12.3	18.5





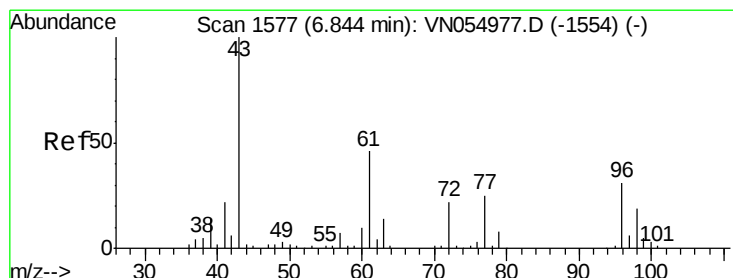
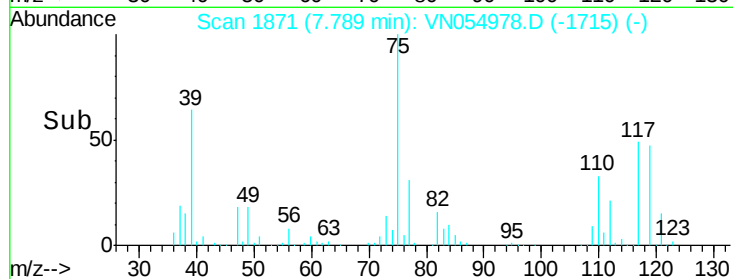
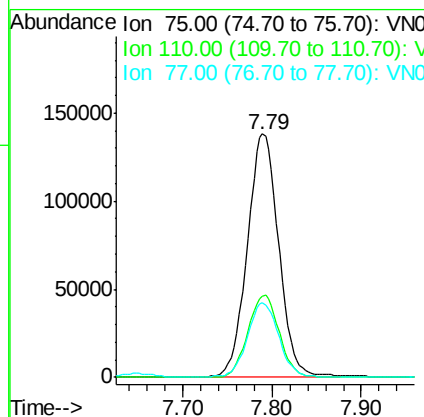
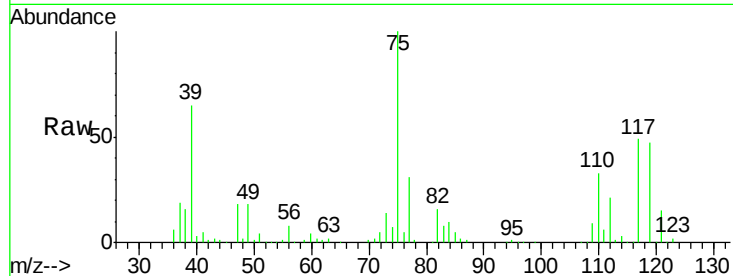
#29
 1,1-Dichloropropene
 Concen: 58.739 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.6	0.0	68.4
77	30.8	0.0	58.6

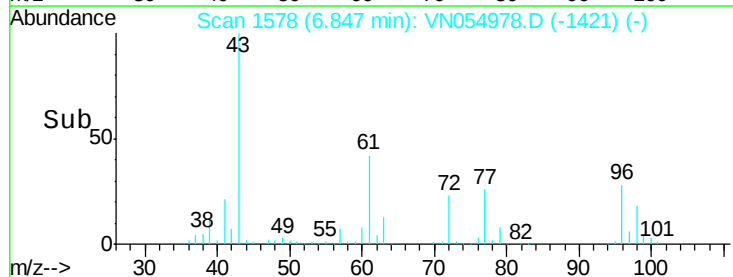
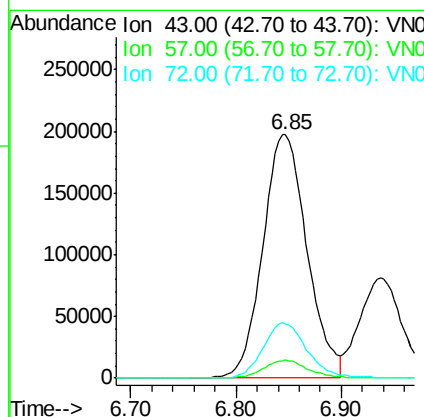
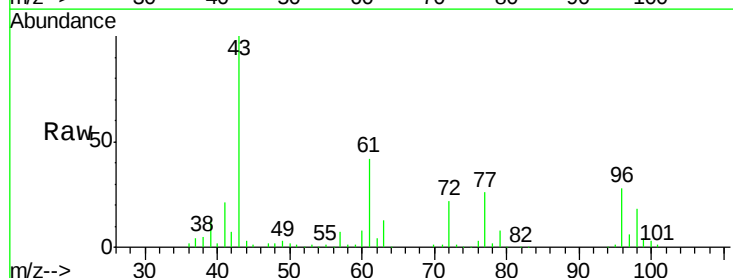
Manual Integrations
 APPROVED

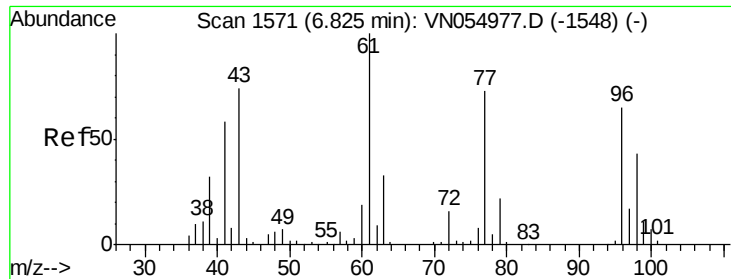
MMDadoda
 4/12/2019 1:41:12 PM



#30
 2-Butanone
 Concen: 313.179 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.5	6.0	9.0
72	22.6	18.6	27.8





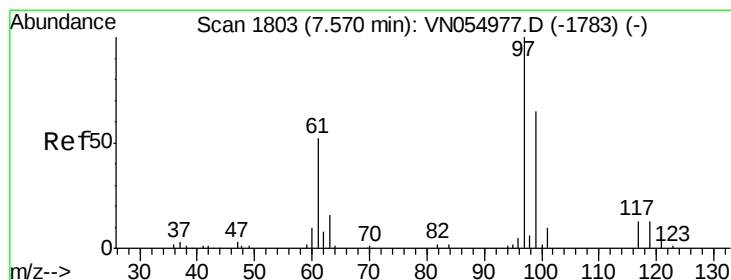
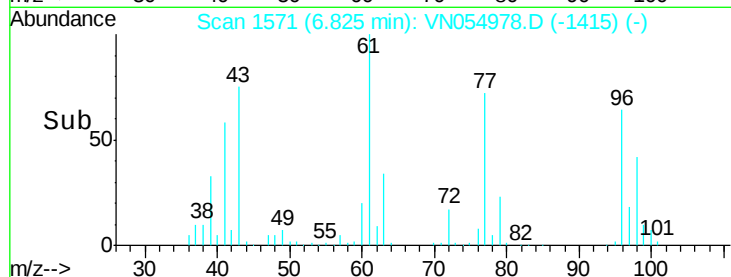
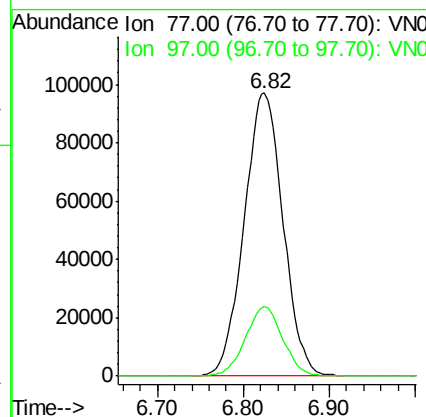
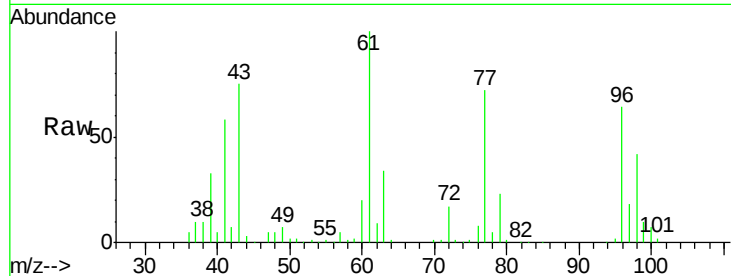
#31
 2,2-Dichloropropane
 Concen: 53.827 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 77 Resp: 305387
 Ion Ratio Lower Upper
 77 100
 97 23.5 0.0 0.0#

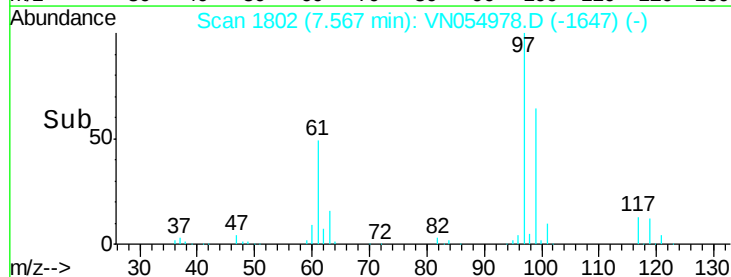
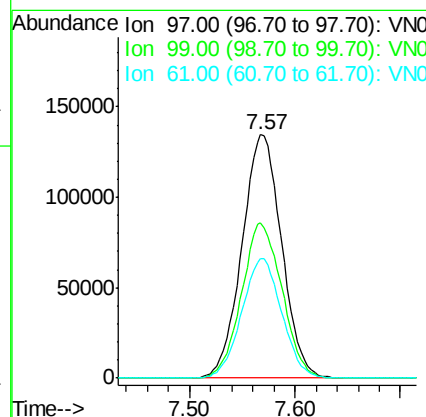
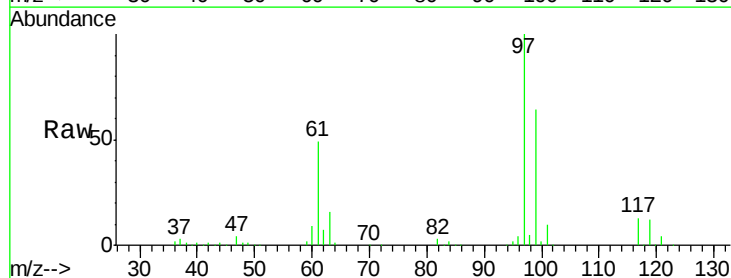
Manual Integrations
 APPROVED

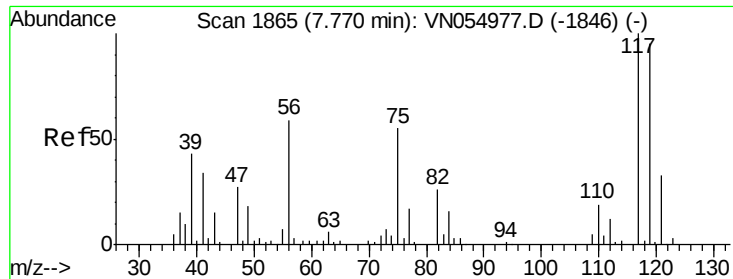
MMDadoda
 4/12/2019 1:41:12 PM



#32
 1,1,1-Trichloroethane
 Concen: 56.647 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Tgt Ion: 97 Resp: 351951
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.2 76.8
 61 49.5 40.6 60.8





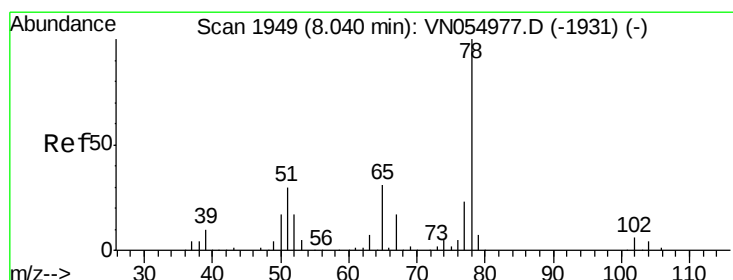
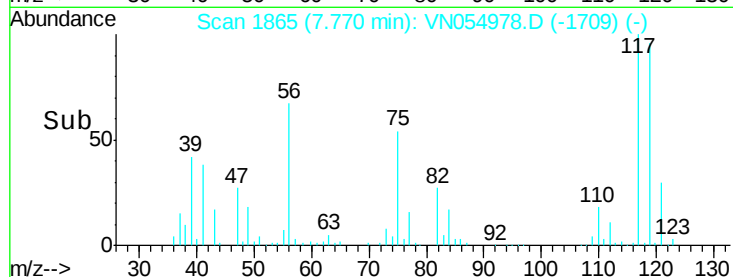
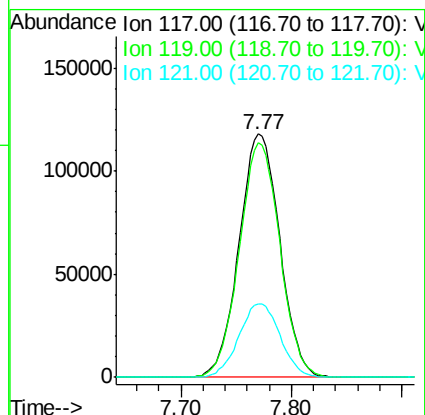
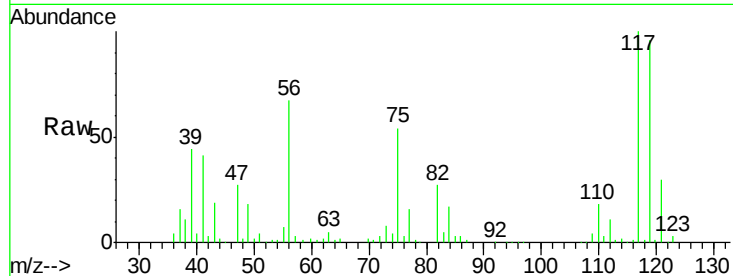
#33
Carbon Tetrachloride
Concen: 54.920 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.1	114.1
121	30.2	26.2	39.4

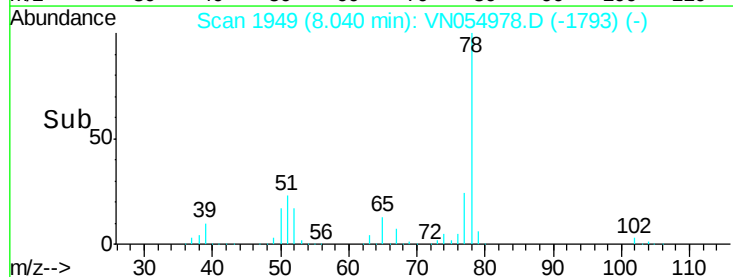
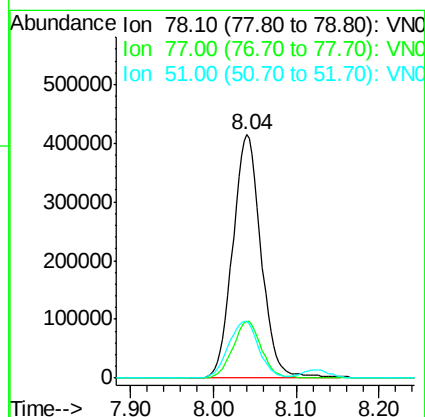
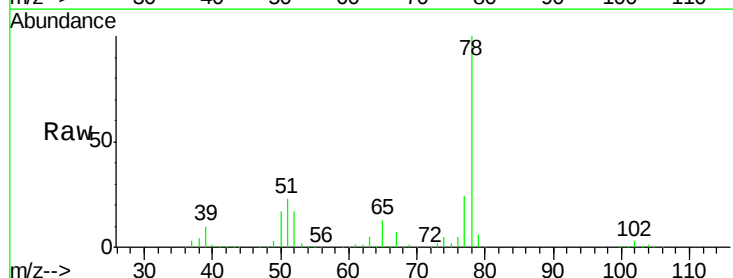
Manual Integrations
APPROVED

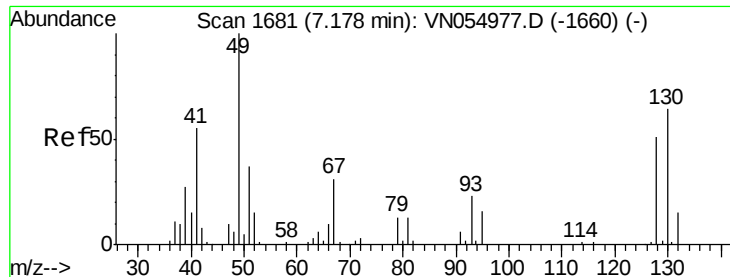
MMDadoda
4/12/2019 1:41:12 PM



#34
Benzene
Concen: 57.537 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.4
51	23.3	23.7	35.5#





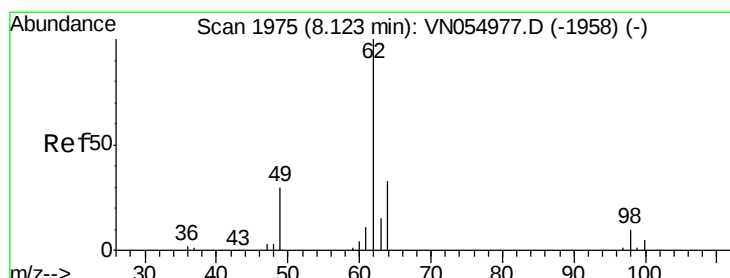
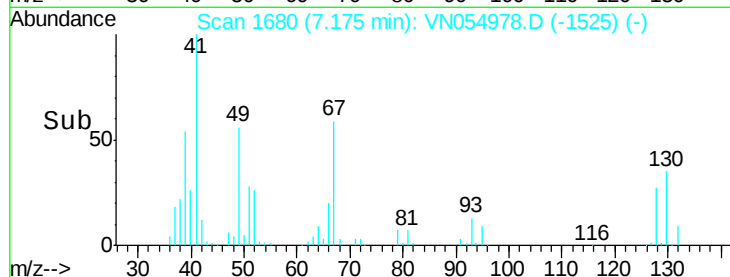
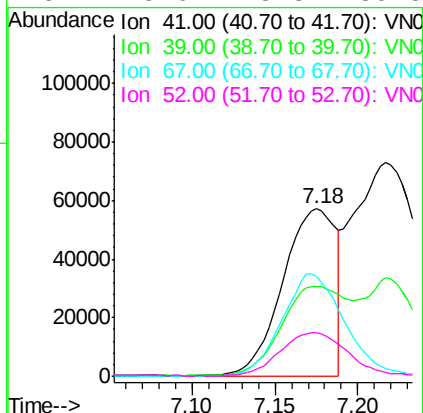
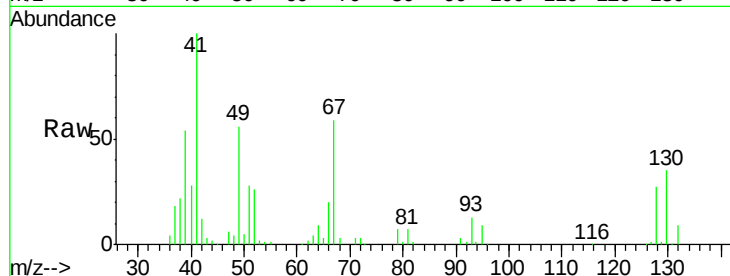
#35
Methacrylonitrile
Concen: 61.323 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	41.00	Resp	127402
Ion Ratio	Lower	Upper	
41	100		
39	53.4	24.2	72.6
67	59.3	28.1	84.2
52	25.6	13.3	39.8

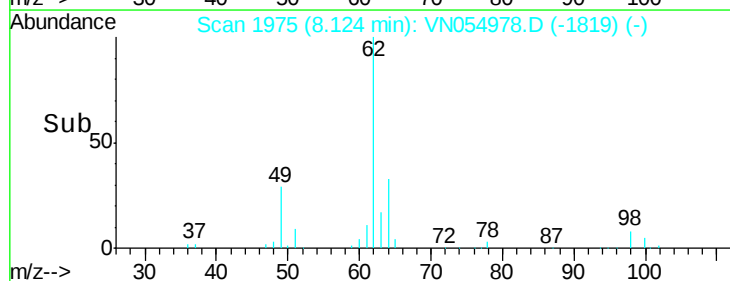
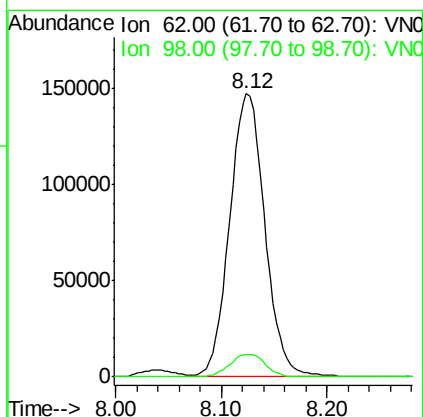
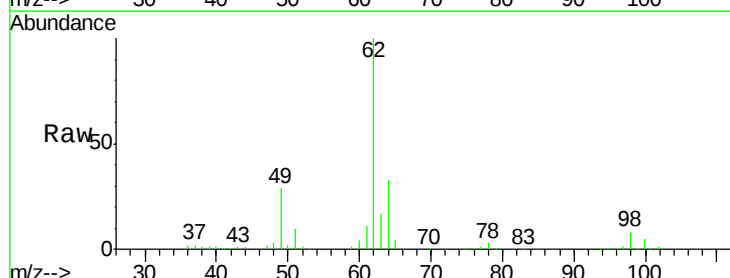
Manual Integrations
APPROVED

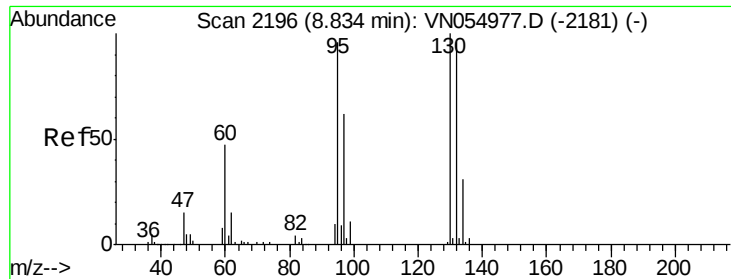
MMDadoda
4/12/2019 1:41:12 PM



#36
1,2-Dichloroethane
Concen: 60.581 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	62.00	Resp	337732
Ion Ratio	Lower	Upper	
62	100		
98	4.2	6.9	10.3#





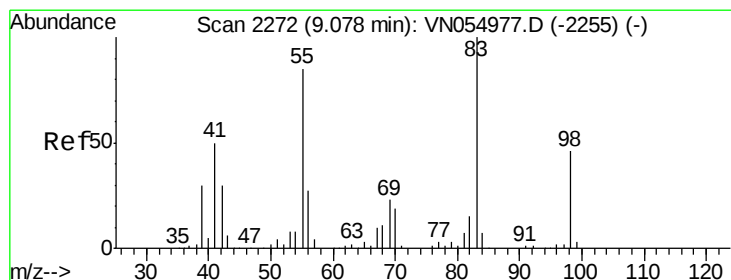
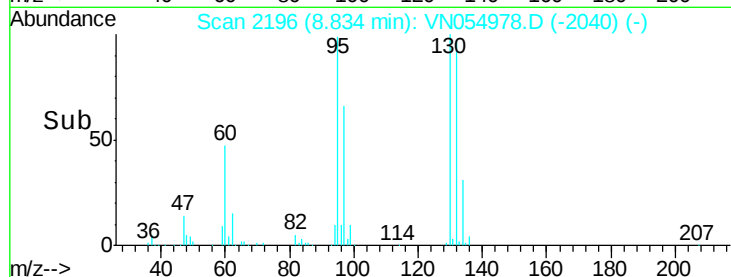
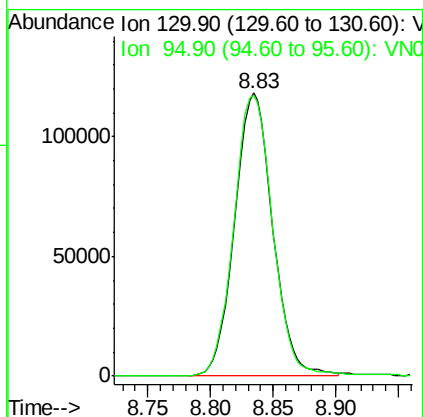
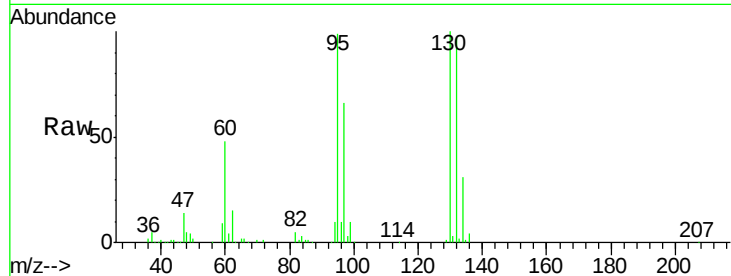
#37
 Trichloroethene
 Concen: 55.560 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
130	100	249798		
95	99.4	76.6	115.0	

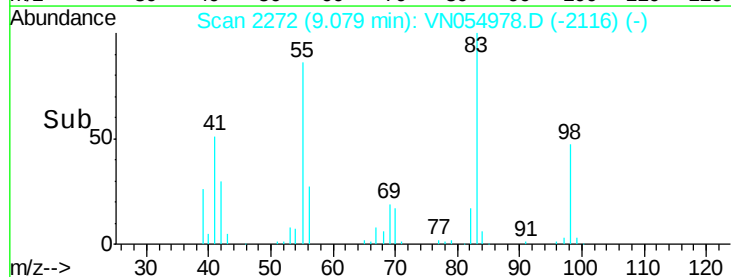
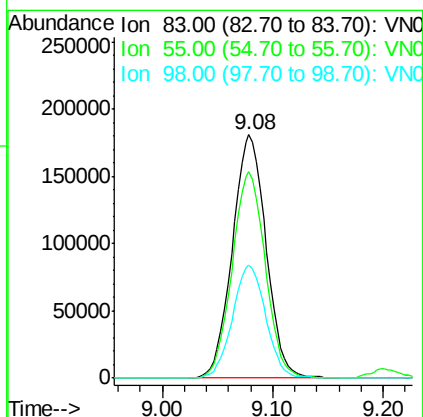
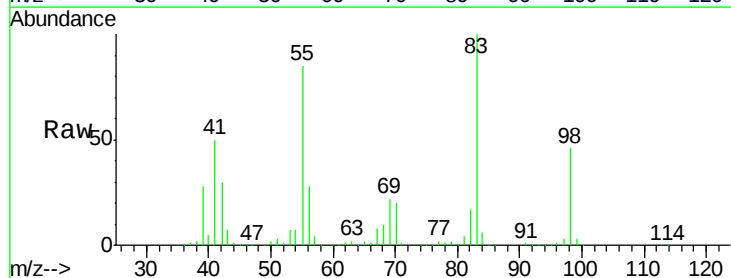
Manual Integrations
 APPROVED

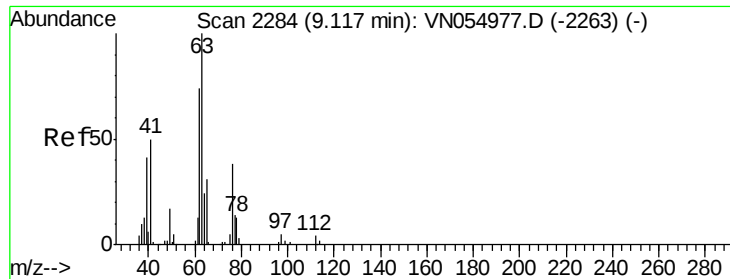
MMDadoda
 4/12/2019 1:41:12 PM



#38
 Methylcyclohexane
 Concen: 56.245 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	383063		
55	83.6	41.9	125.6	
98	46.0	22.4	67.0	





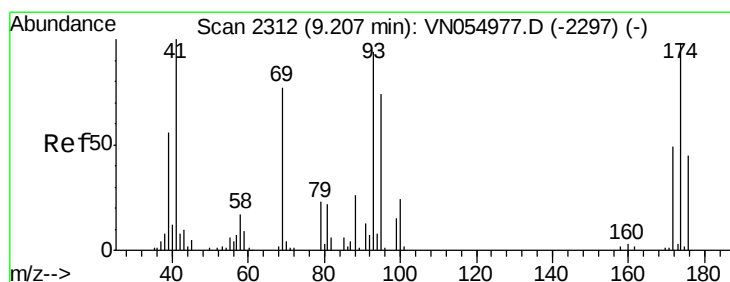
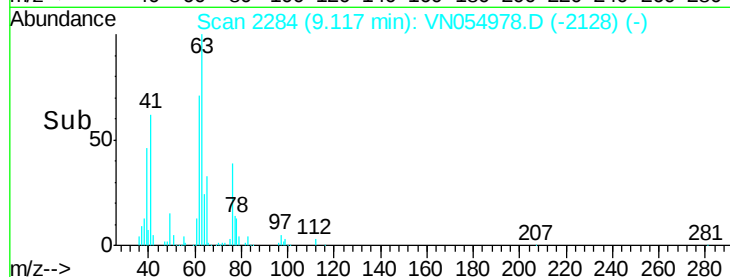
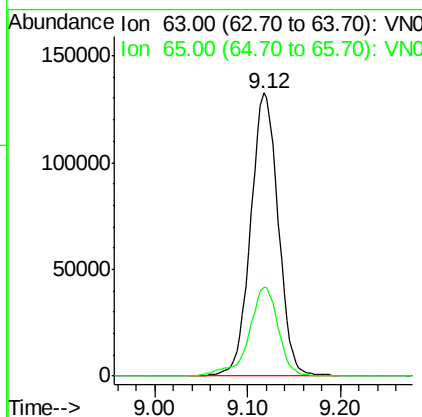
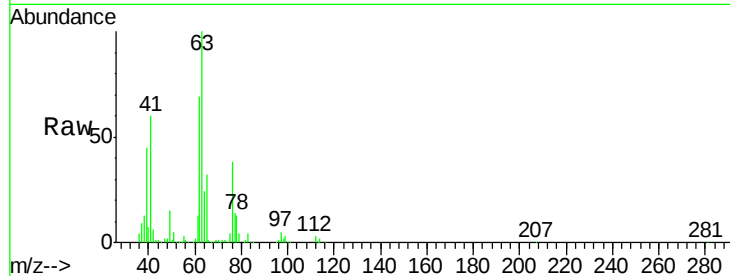
#39
 1,2-Dichloropropane
 Concen: 58.208 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 63 Resp: 274834
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.8 37.2

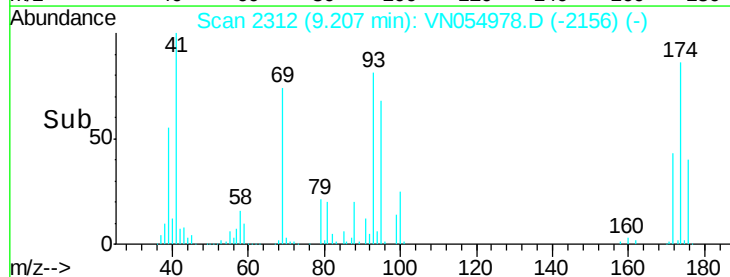
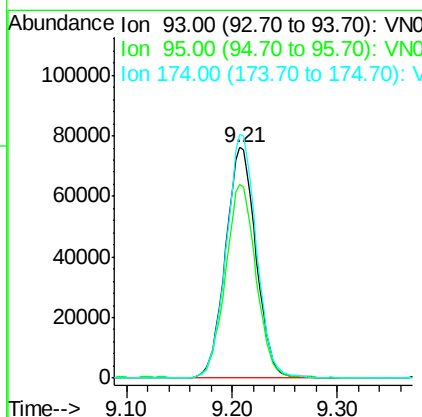
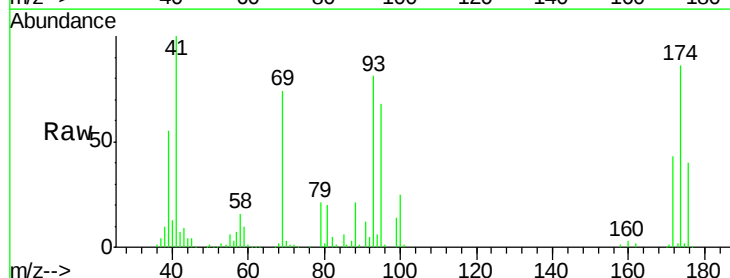
Manual Integrations
 APPROVED

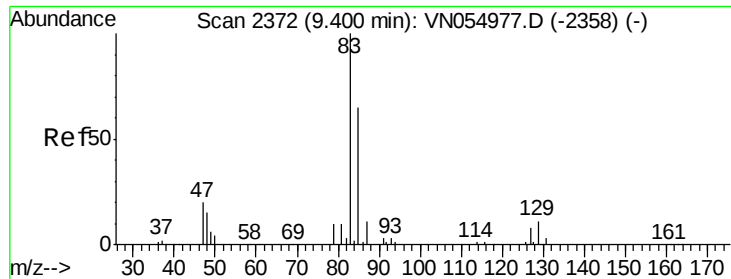
MMDadoda
 4/12/2019 1:41:12 PM



#40
 Dibromomethane
 Concen: 56.496 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Tgt Ion: 93 Resp: 152468
 Ion Ratio Lower Upper
 93 100
 95 83.8 0.0 160.8
 174 104.1 0.0 206.4





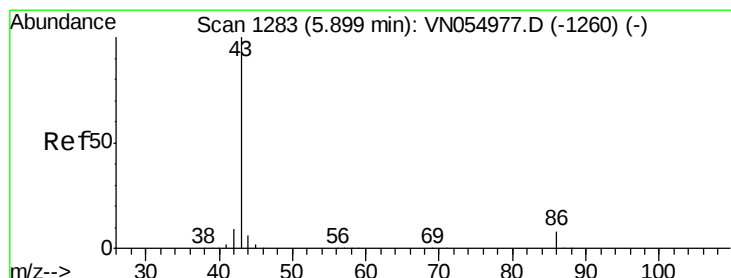
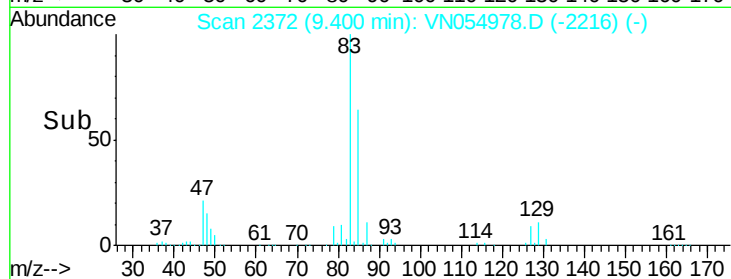
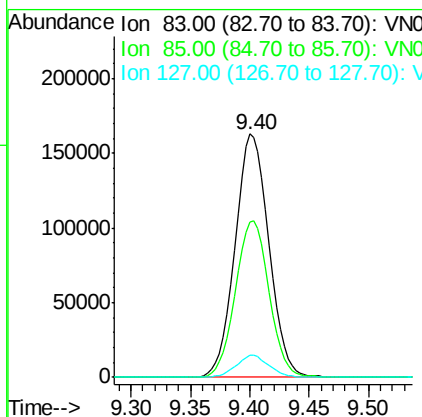
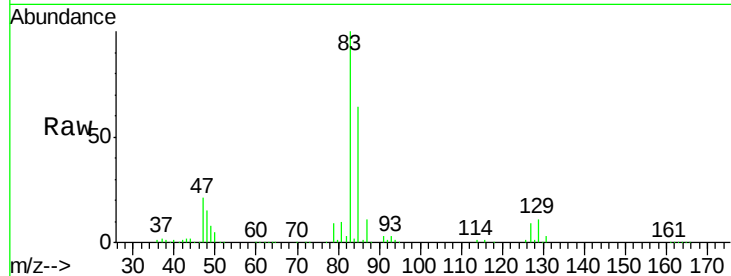
#41
 Bromodichloromethane
 Concen: 56.345 ug/l
 RT: 9.40 min Scan# 2372
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	83	Resp	321028
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	52.0	78.0
127	8.9	7.2	10.8

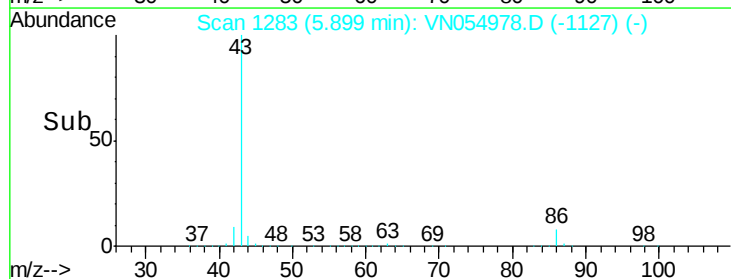
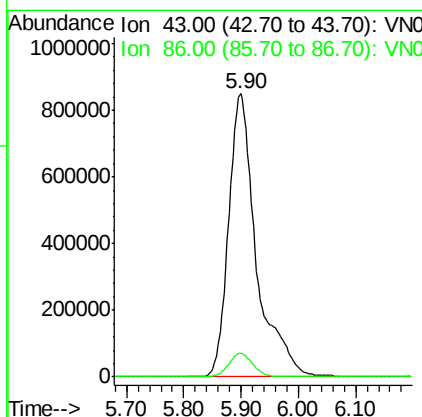
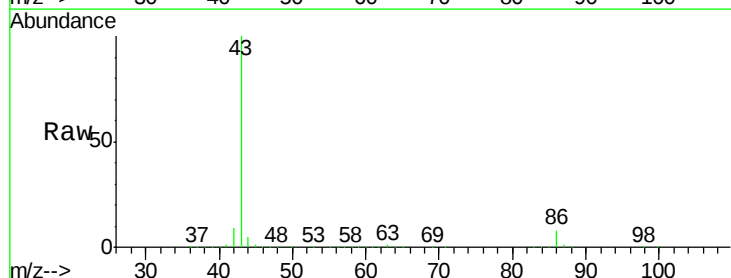
Manual Integrations
 APPROVED

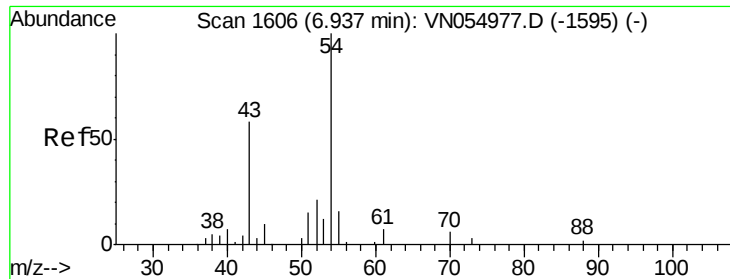
MMDadoda
 4/12/2019 1:41:12 PM



#42
 Vinyl Acetate
 Concen: 307.169 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Tgt Ion	43	Resp	2862275
Ion Ratio	100	Lower	Upper
43	100		
86	7.3	5.7	8.5





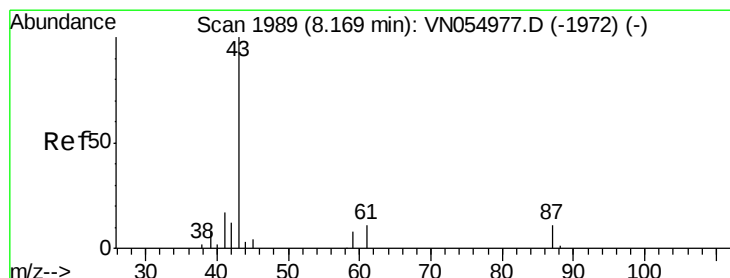
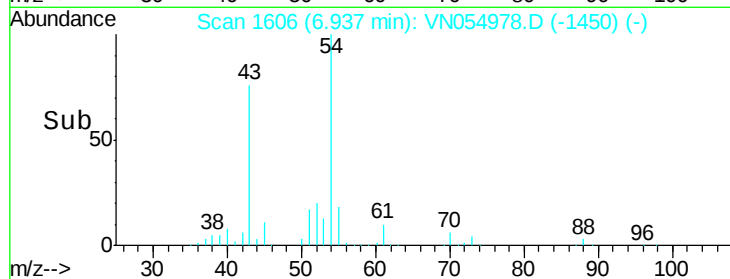
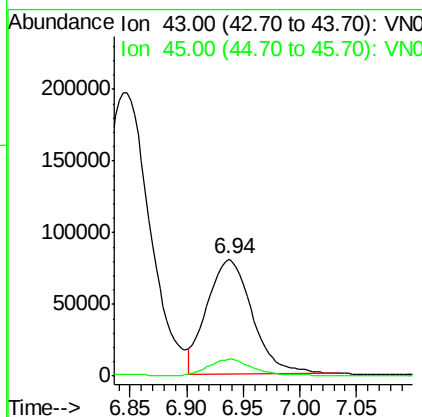
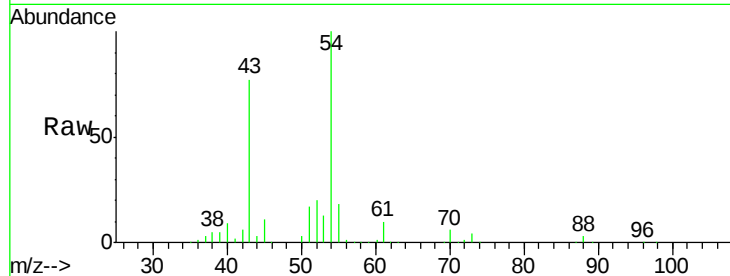
#43
Ethyl Acetate
Concen: 58.587 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 222795
Ion Ratio Lower Upper
43 100
45 13.3 10.6 15.8

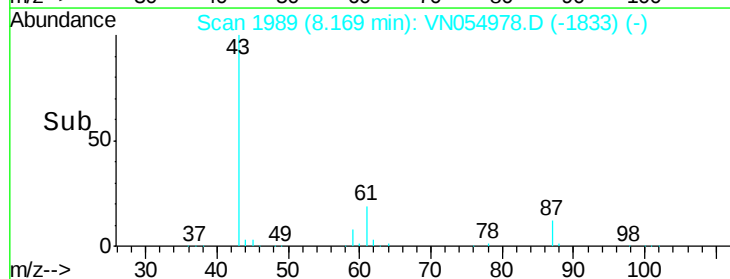
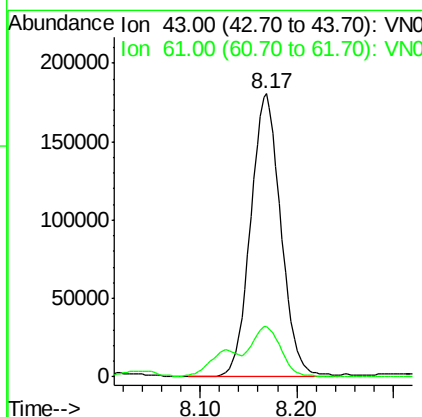
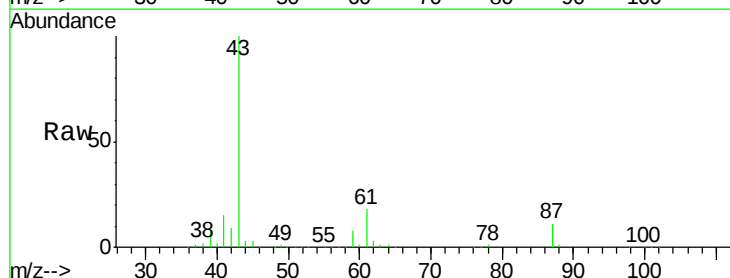
Manual Integrations
APPROVED

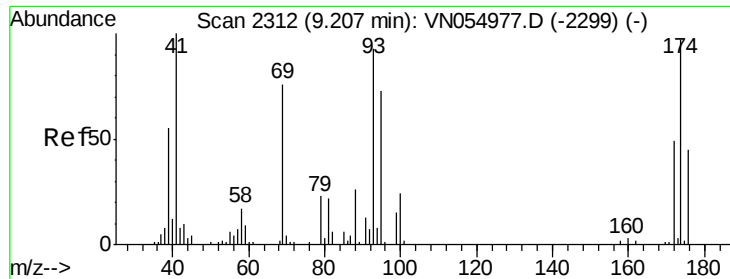
MMDadoda
4/12/2019 1:41:12 PM



#44
Isopropyl Acetate
Concen: 58.787 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion: 43 Resp: 389632
Ion Ratio Lower Upper
43 100
61 17.3 14.8 22.2





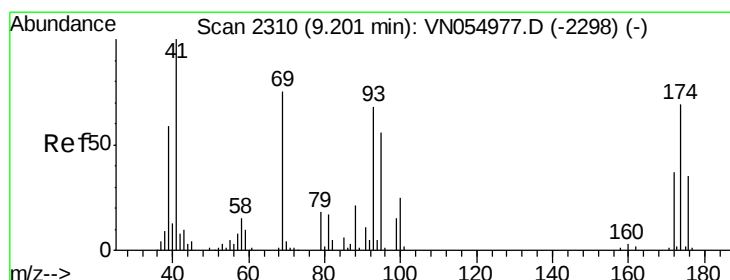
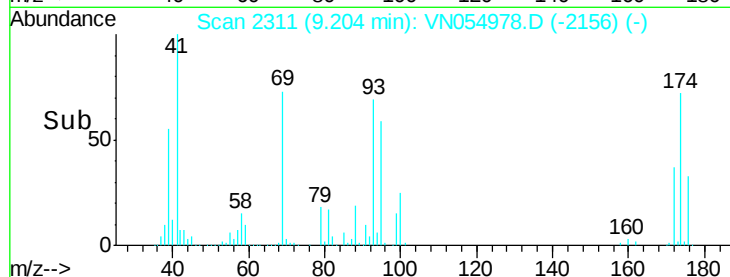
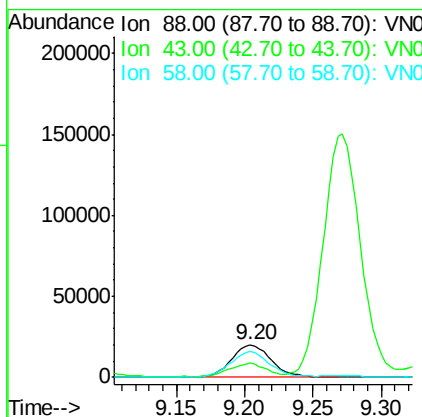
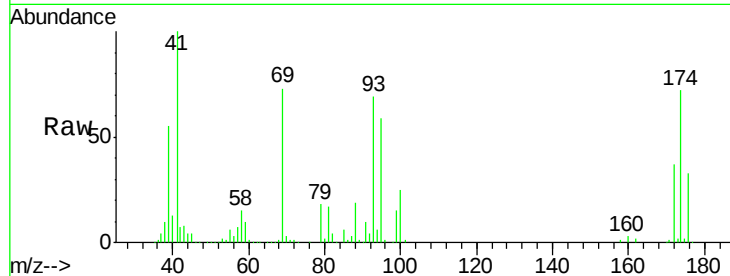
#45
 1,4-Dioxane
 Concen: 1167.151 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	34.5	51.7
58	78.4	60.3	90.5

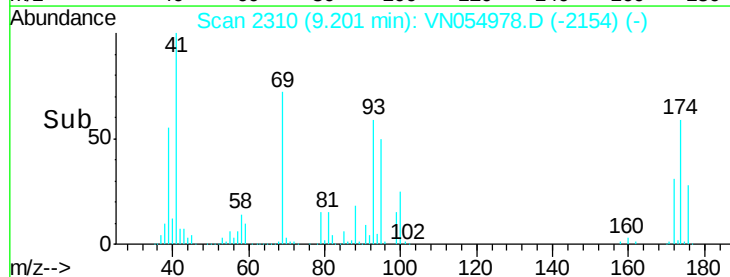
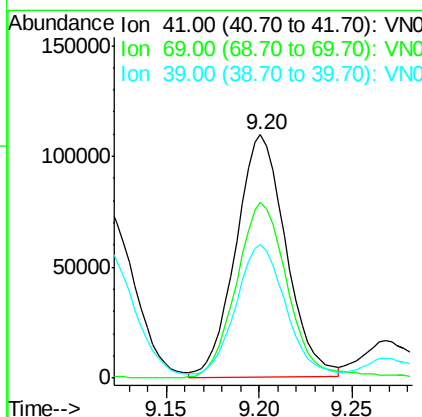
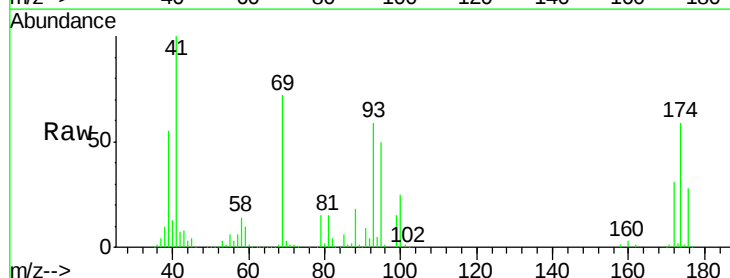
Manual Integrations
 APPROVED

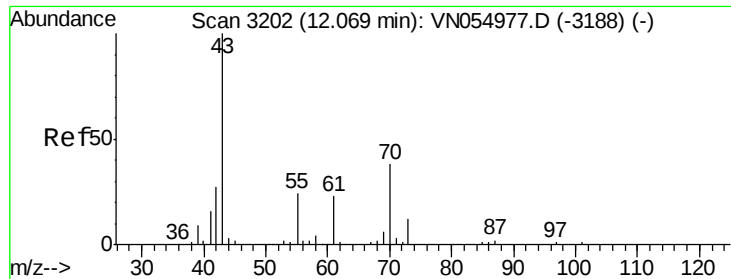
MMDadoda
 4/12/2019 1:41:12 PM



#46
 Methyl methacrylate
 Concen: 64.756 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.4	37.3	111.9
39	54.6	29.4	88.2





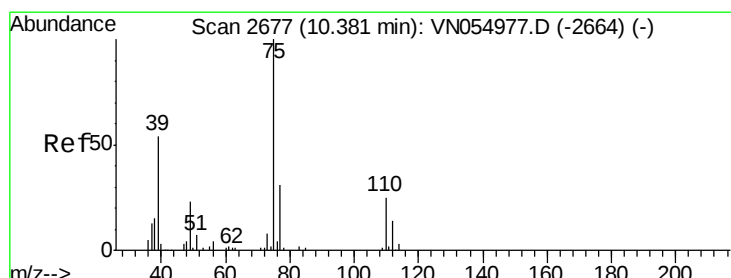
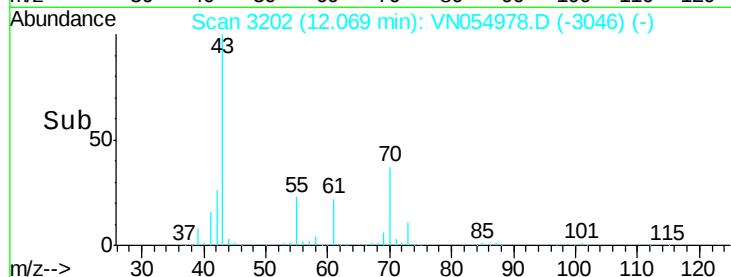
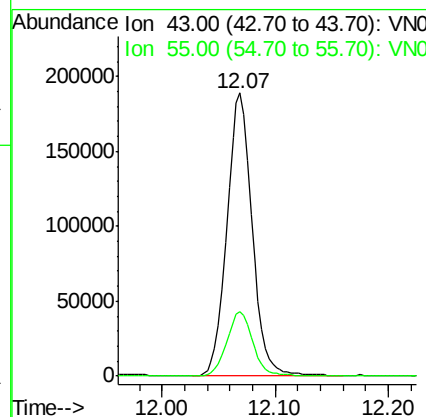
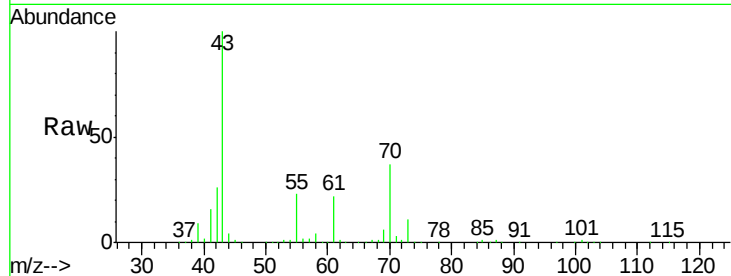
#47
n-amvl Acetate
Concen: 60.866 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	43	Resp	291343
Ion Ratio	100	Lower	Upper
43	100	19.8	29.6
55	23.7		

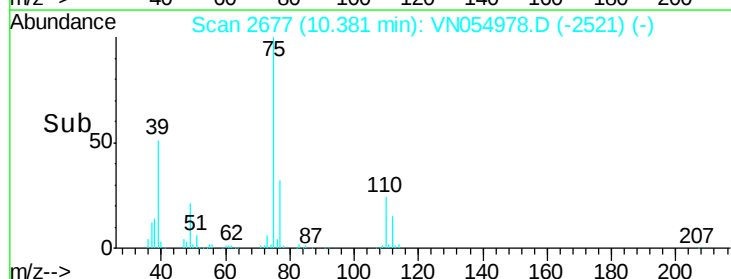
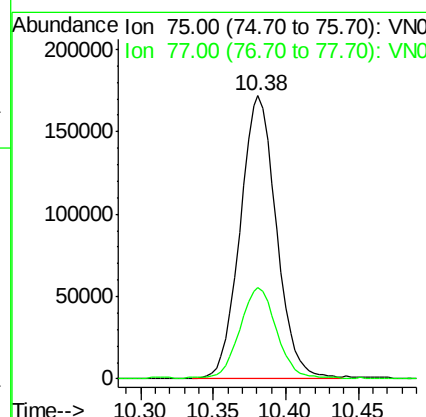
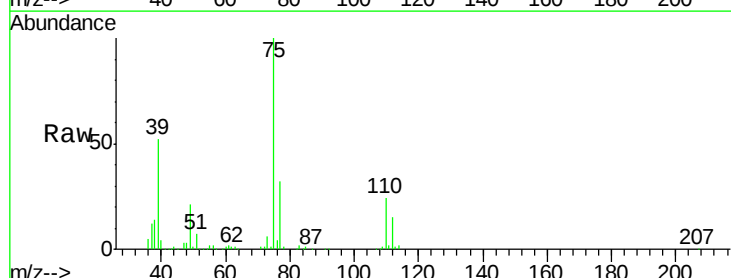
Manual Integrations
APPROVED

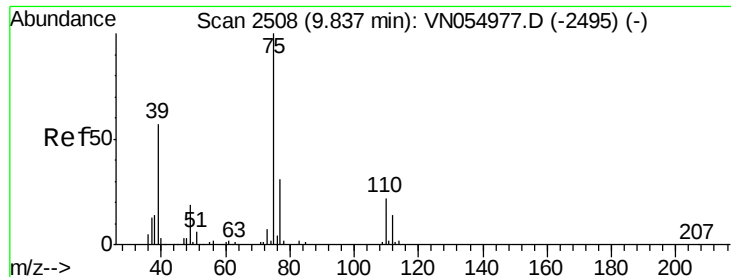
MMDadoda
4/12/2019 1:41:12 PM



#48
t-1,3-Dichloropropene
Concen: 53.306 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	75	Resp	299242
Ion Ratio	100	Lower	Upper
75	100	24.6	37.0
77	31.9		





#49

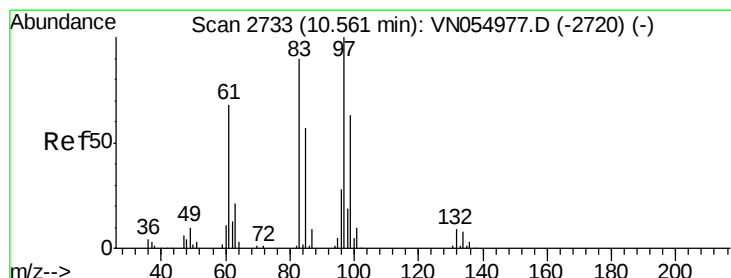
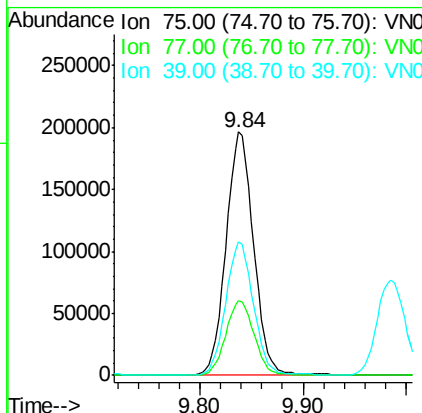
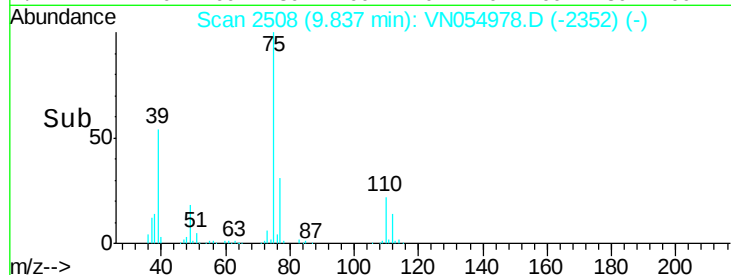
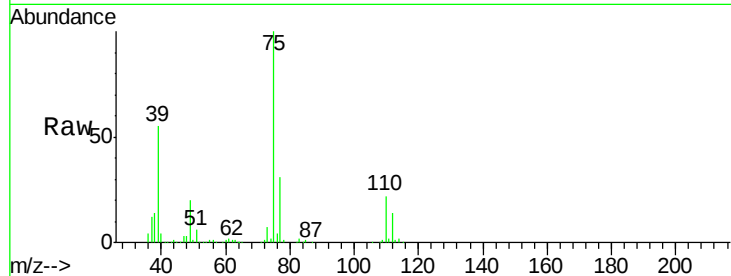
cis-1,3-Dichloropropene
Concen: 55.173 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.7	37.1
39	54.7	45.3	67.9

Manual Integrations
APPROVED

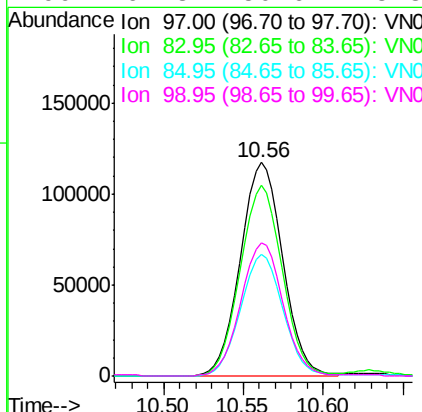
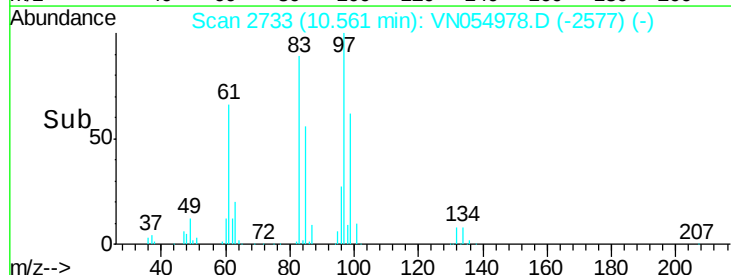
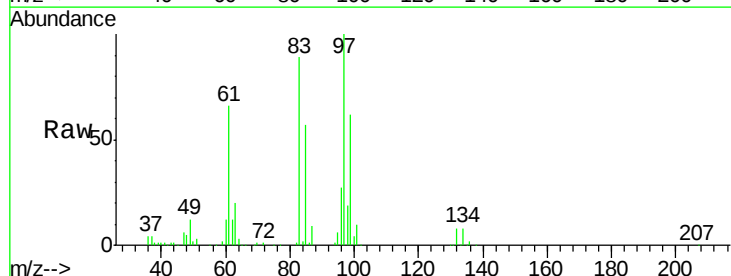
MMDadoda
4/12/2019 1:41:12 PM

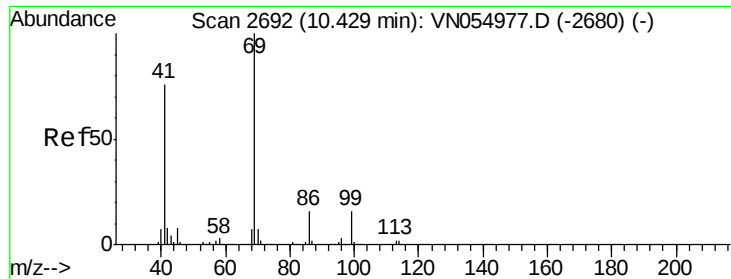


#50

1,1,2-Trichloroethane
Concen: 56.201 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.1	72.1	108.1
85	57.2	45.4	68.0
99	62.3	50.6	75.8





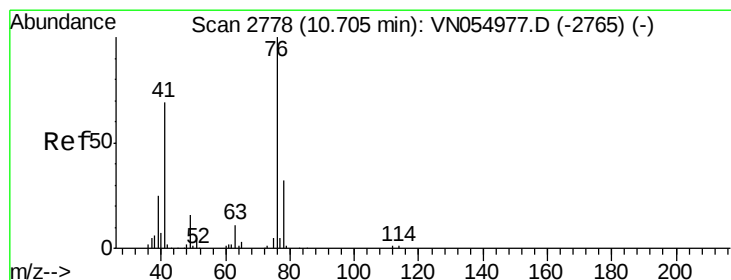
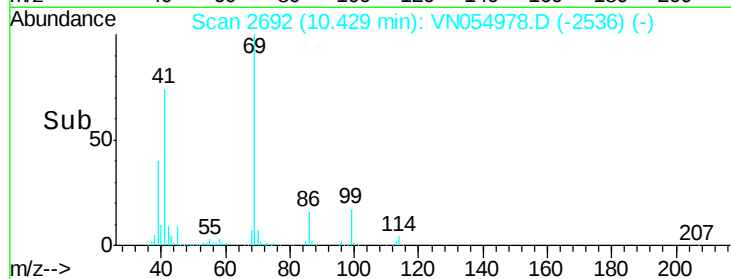
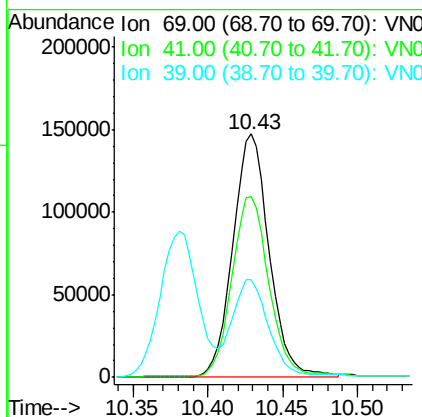
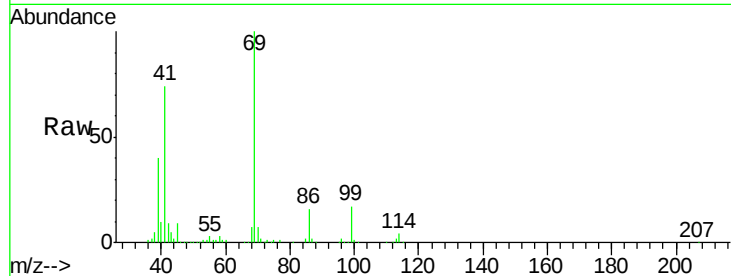
#51
Ethyl methacrylate
Concen: 56.326 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
69	100		
41	74.0	37.9	113.7
39	39.1	19.8	59.4

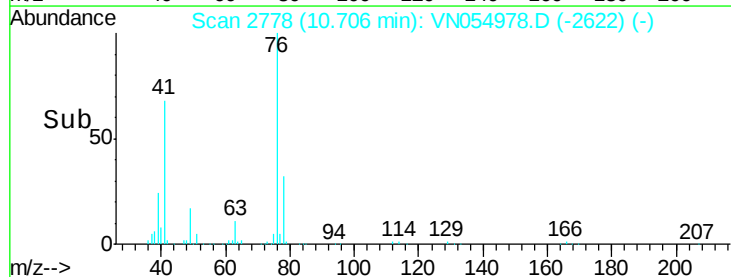
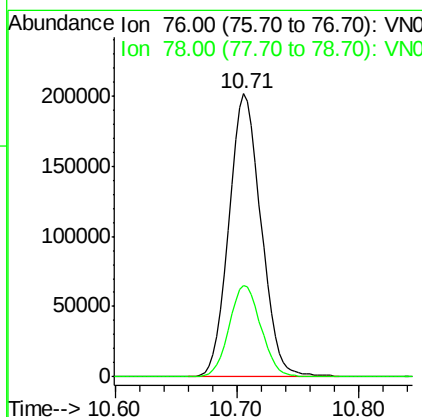
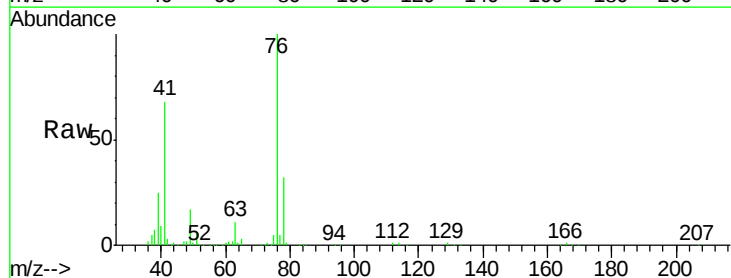
Manual Integrations
APPROVED

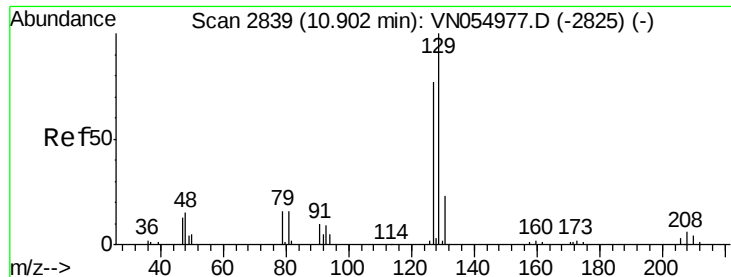
MMDadoda
4/12/2019 1:41:12 PM



#52
1,3-Dichloropropane
Concen: 57.554 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	64.4





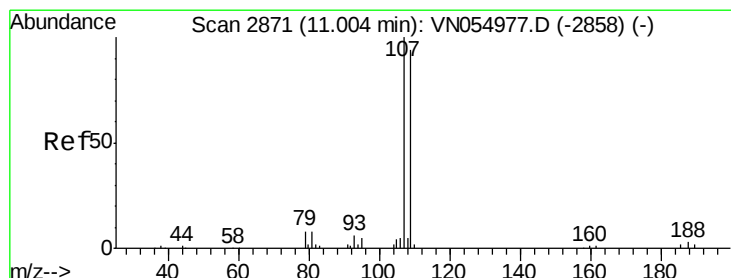
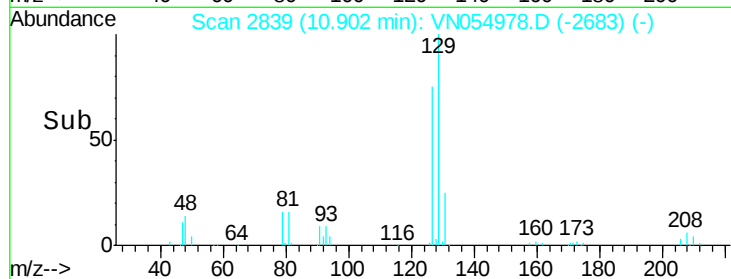
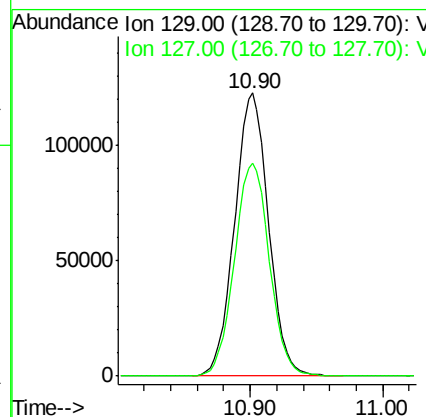
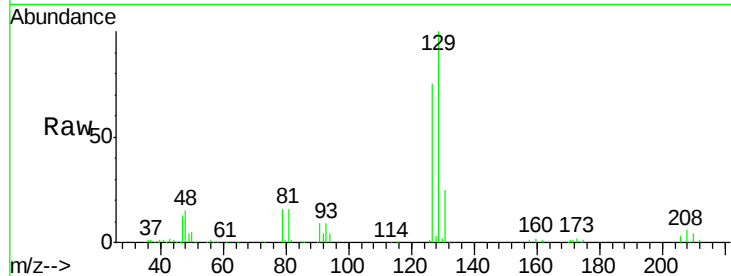
#53
 Dibromochloromethane
 Concen: 53.339 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		218299		
127	77.4		37.8	113.3	

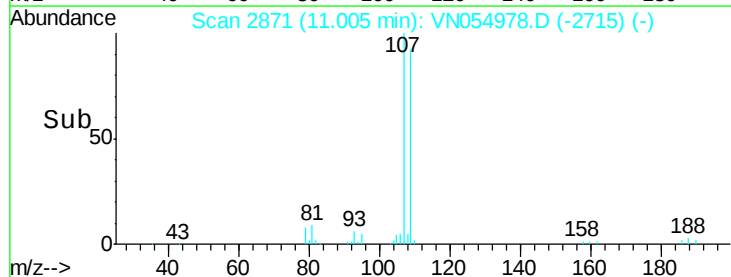
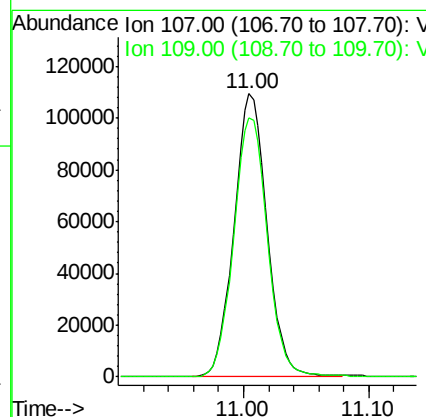
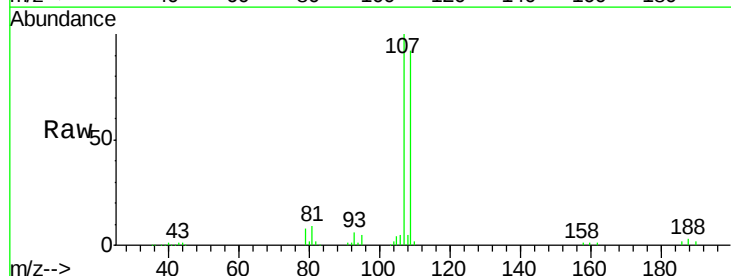
Manual Integrations
 APPROVED

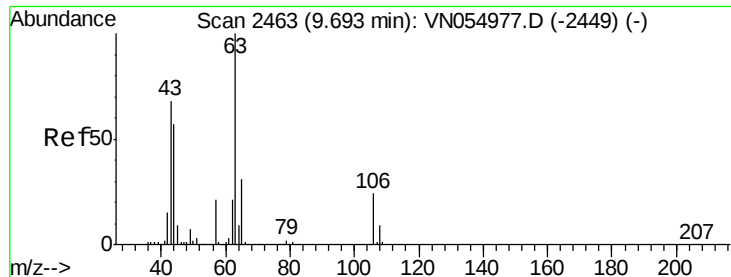
MMDadoda
 4/12/2019 1:41:12 PM



#54
 1,2-Dibromoethane
 Concen: 56.118 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		199358		
109	94.2		76.2	114.2	





#55

2-Chloroethyl vinyl ether

Concen: 260.357 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Instrument :

MSVOA_N

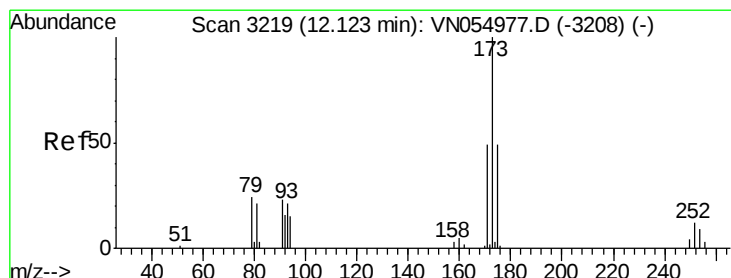
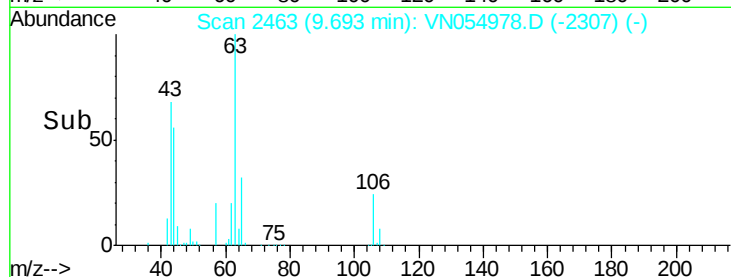
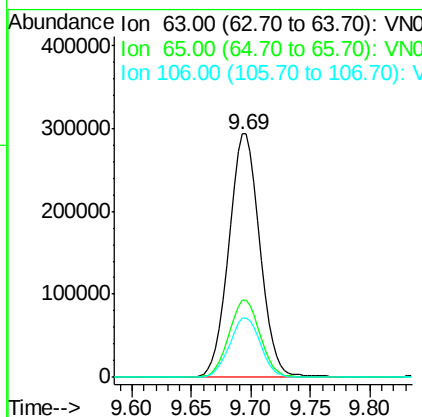
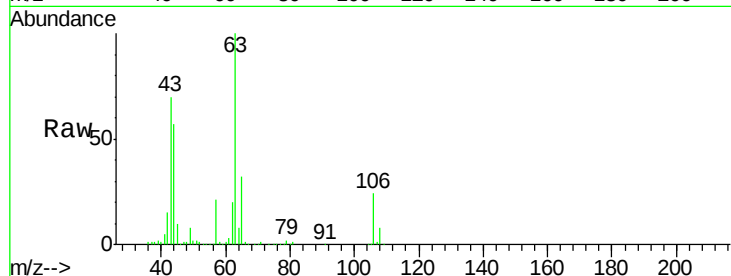
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	531349
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.0
106	24.4	19.8	29.6

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:41:12 PM



#56

Bromoform

Concen: 50.701 ug/l

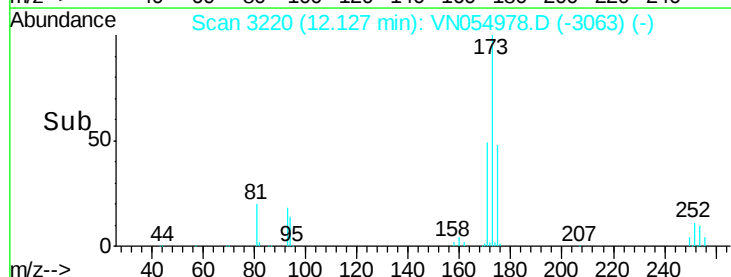
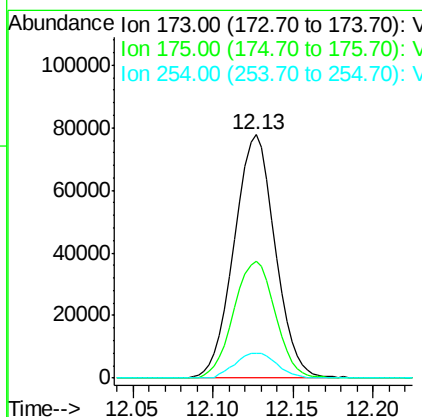
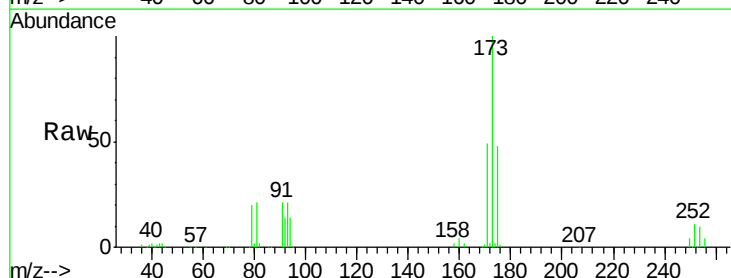
RT: 12.13 min Scan# 3220

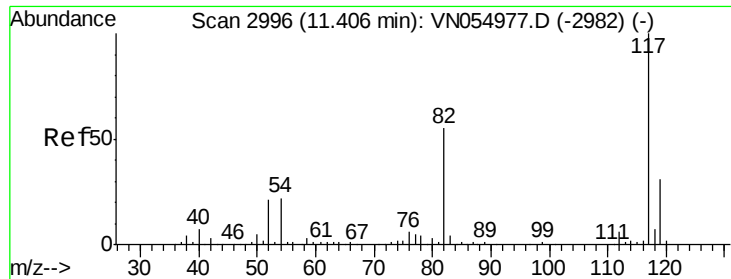
Delta R.T. 0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Tgt Ion:	173	Resp:	136374
Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.6	57.8
254	10.3	6.8	10.2#





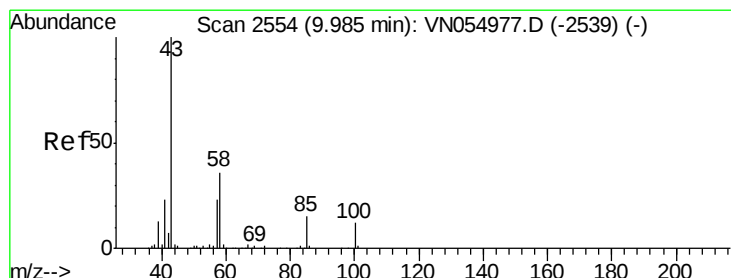
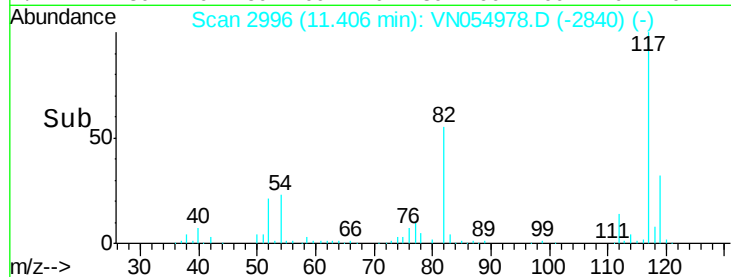
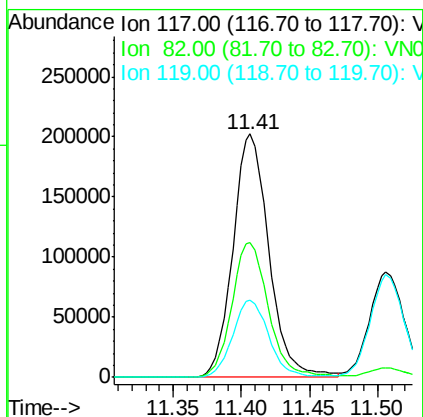
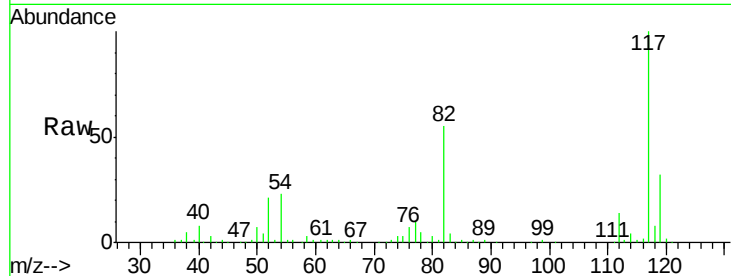
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.2	67.8
119	32.0	25.4	38.2

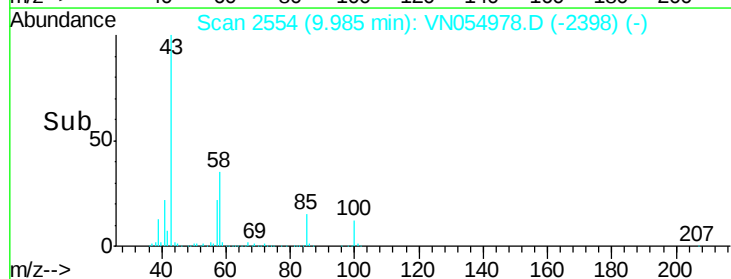
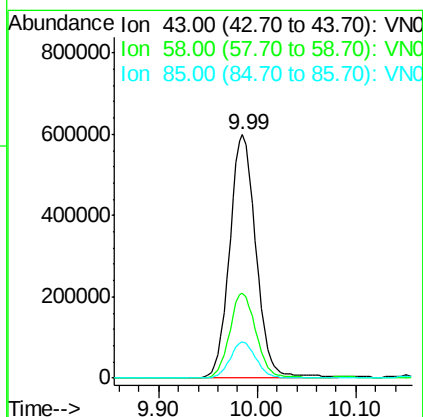
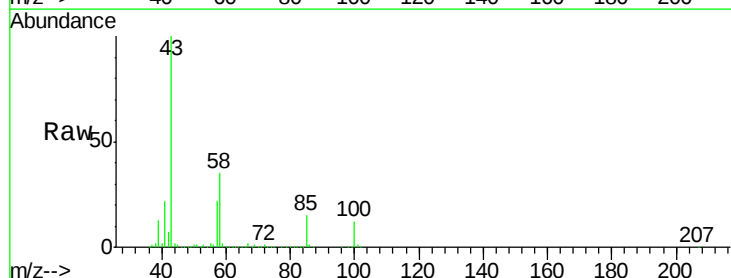
Manual Integrations
APPROVED

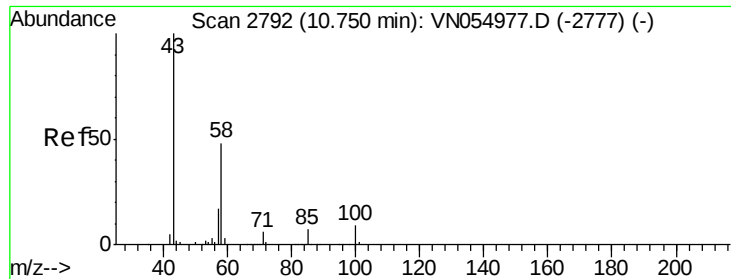
MMDadoda
4/12/2019 1:41:12 PM



#58
4-Methyl-2-Pentanone
Concen: 308.108 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.7	43.1
85	14.6	11.8	17.6





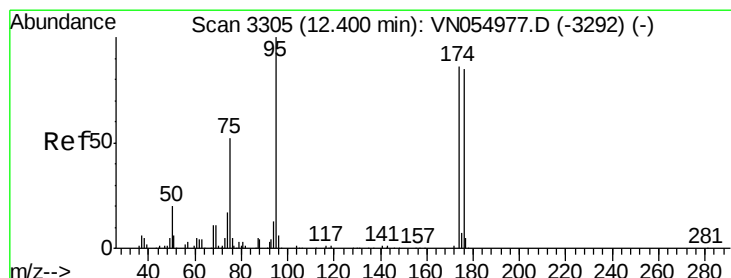
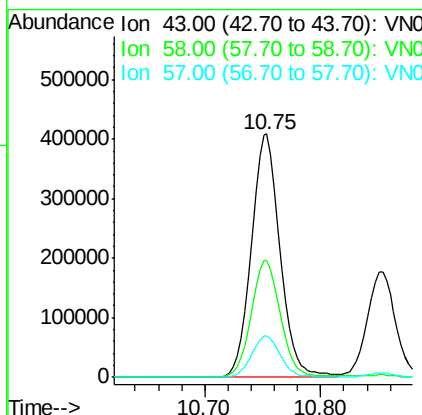
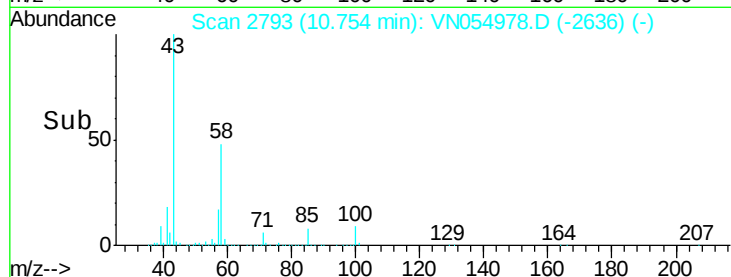
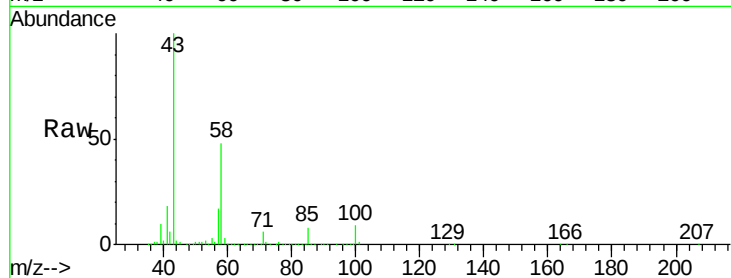
#59
2-Hexanone
Concen: 298.960 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	38.8	58.2
57	17.1	13.8	20.6

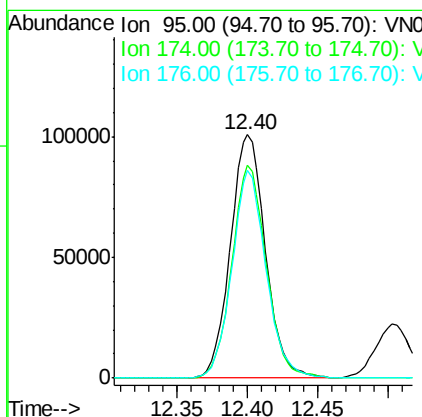
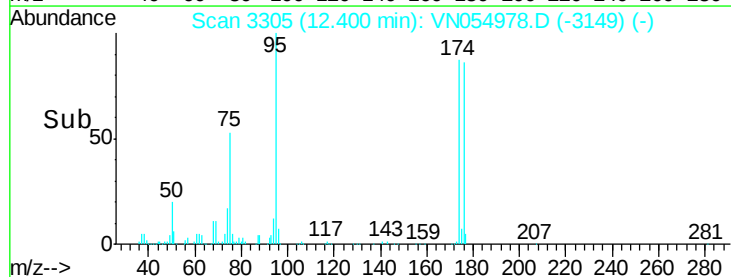
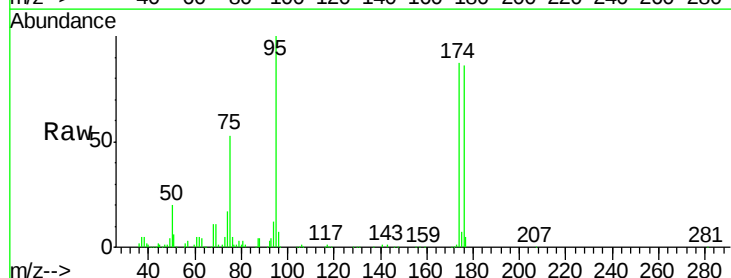
Manual Integrations
APPROVED

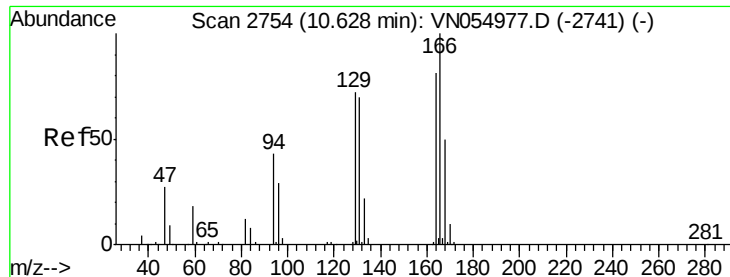
MMDadoda
4/12/2019 1:41:12 PM



#60
4-Bromofluorobenzene
Concen: 298.960 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.7	69.4	104.2
176	83.0	67.4	101.2





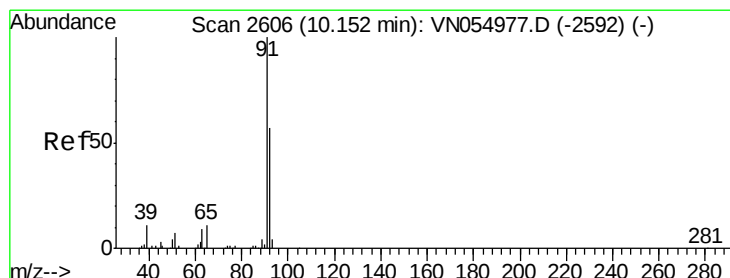
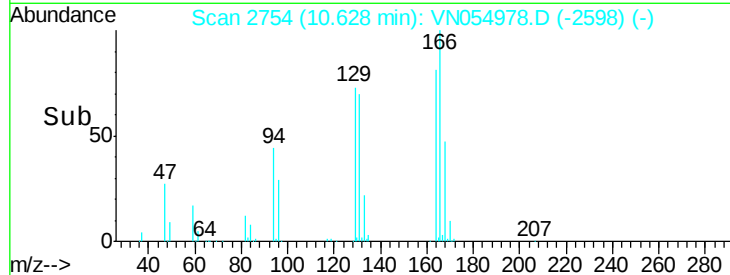
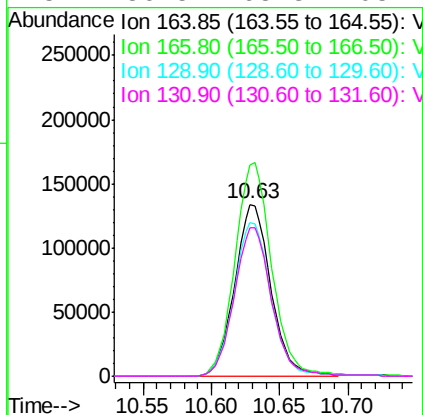
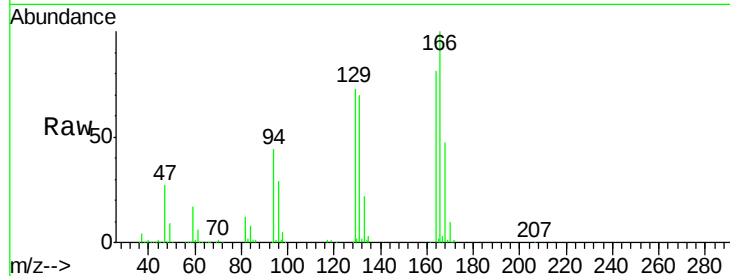
#61
Tetrachloroethene
Concen: 53.998 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	123.3	99.0	148.4	
129	89.6	71.4	107.0	
131	86.5	68.8	103.2	

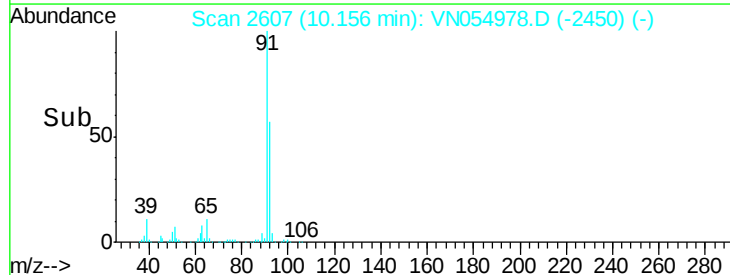
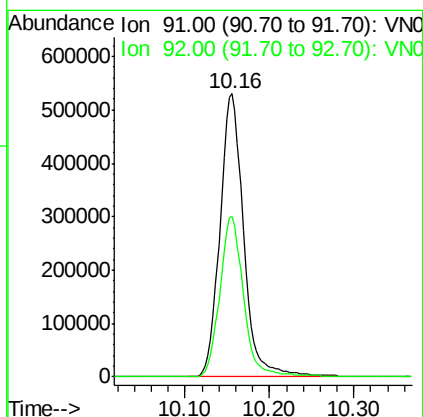
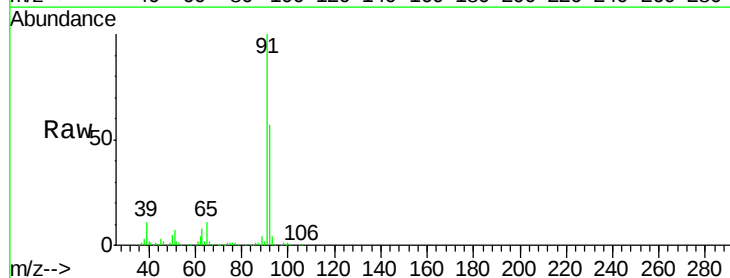
Manual Integrations
APPROVED

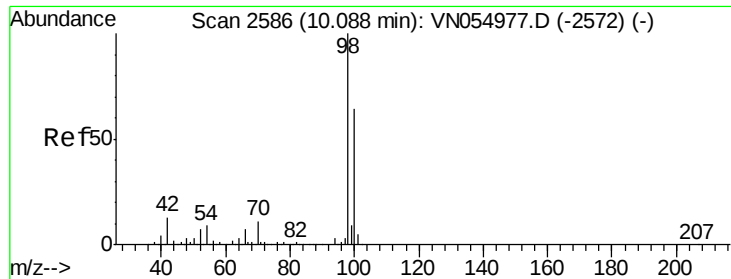
MMDadoda
4/12/2019 1:41:12 PM



#62
Toluene
Concen: 56.968 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	56.8	44.8	67.2	





#63

Toluene-d8

Concen: 56.968 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 98 Resp: 534268

Ion Ratio Lower Upper

98 100

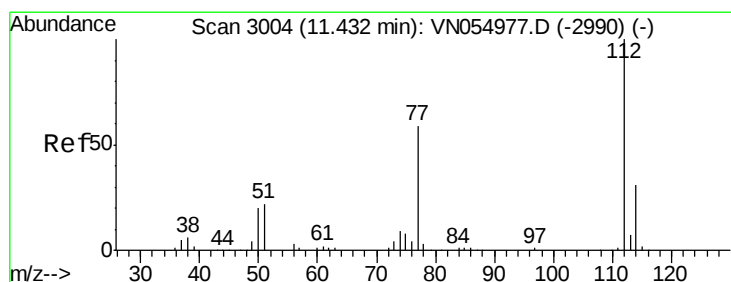
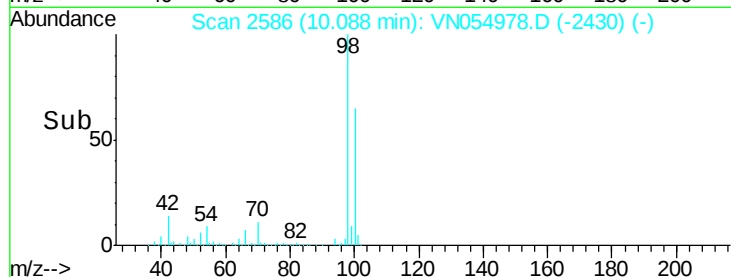
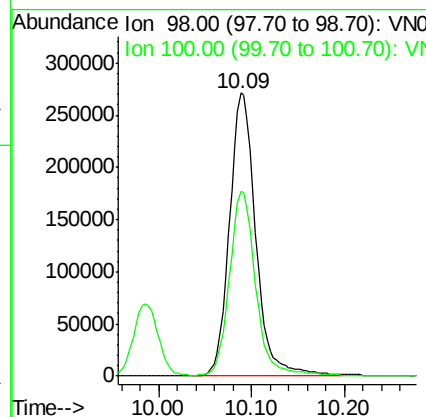
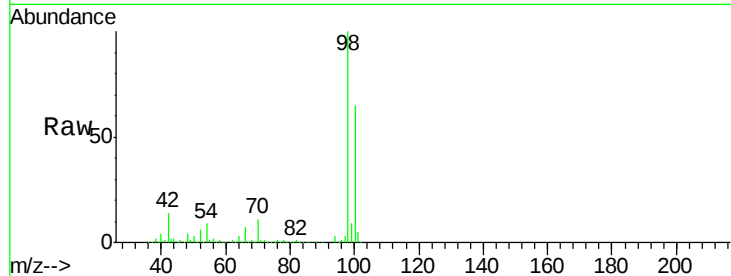
100 64.4 51.1 76.7

Manual Integrations

APPROVED

MMDadoda

4/12/2019 1:41:12 PM



#64

Chlorobenzene

Concen: 56.743 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054978.D

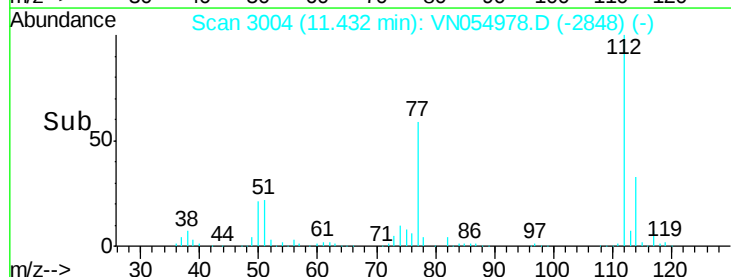
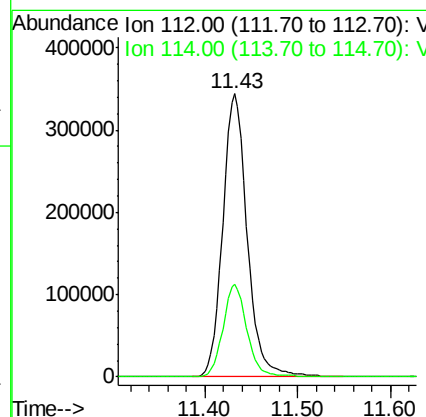
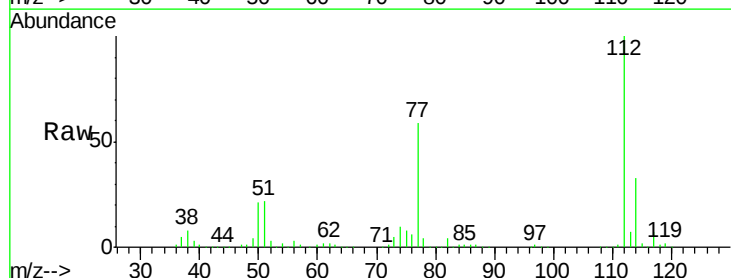
Acq: 11 Apr 2019 15:21

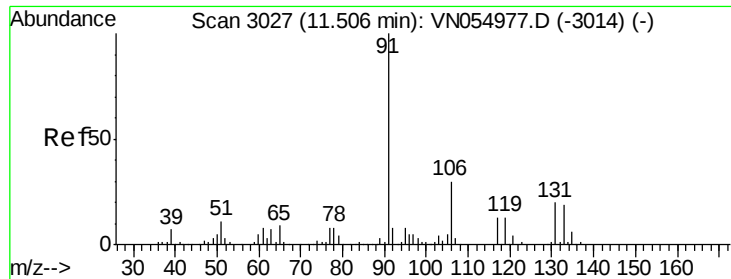
Tgt Ion: 112 Resp: 630181

Ion Ratio Lower Upper

112 100

114 32.8 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 55.797 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Instrument :

MSVOA_N

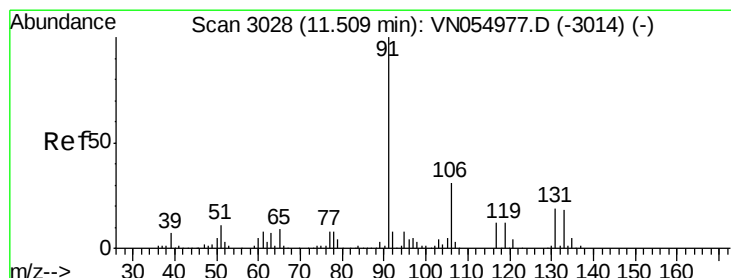
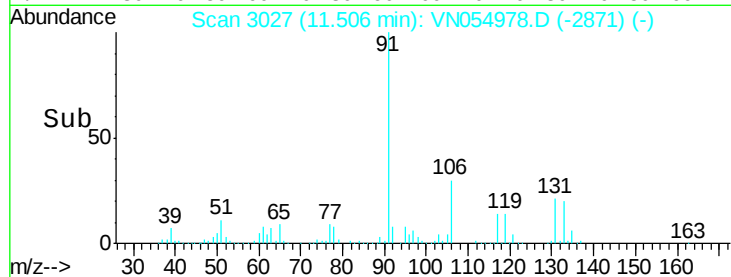
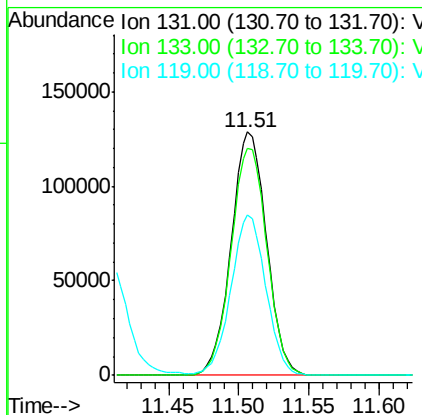
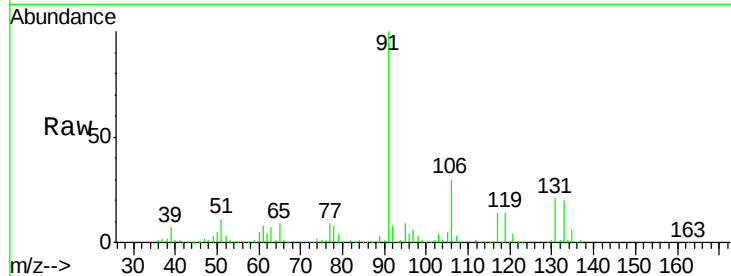
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
131	100	226191		
133	94.8	0.0	187.8	
119	64.8	0.0	131.4	

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:41:12 PM



#66

Ethyl Benzene

Concen: 58.799 ug/l

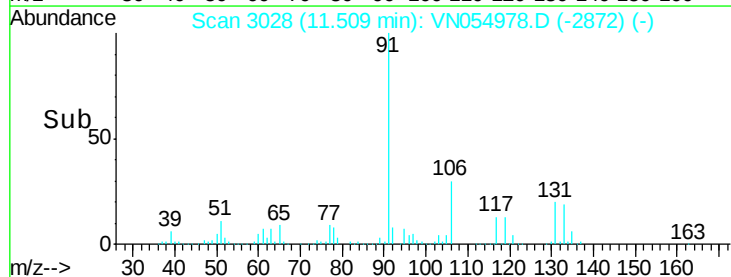
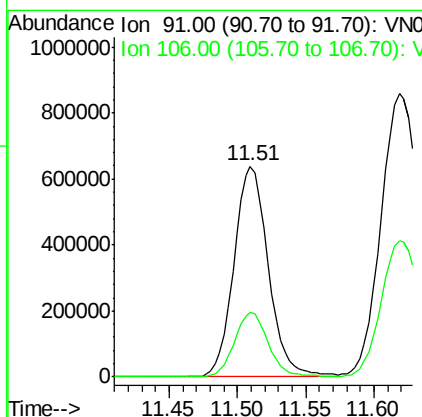
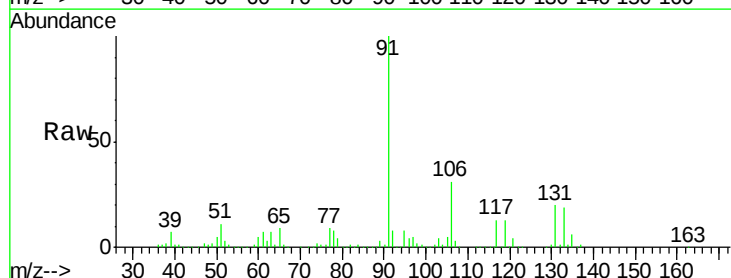
RT: 11.51 min Scan# 3028

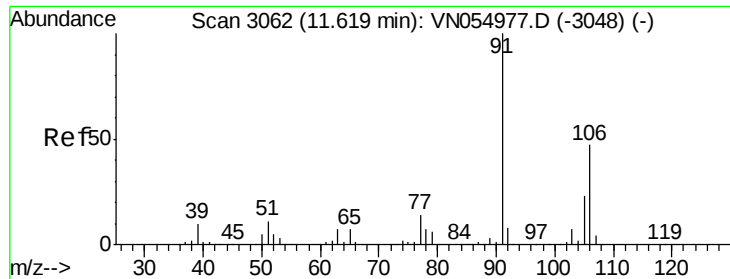
Delta R.T. 0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1118628		
106	30.6	24.6	36.8	





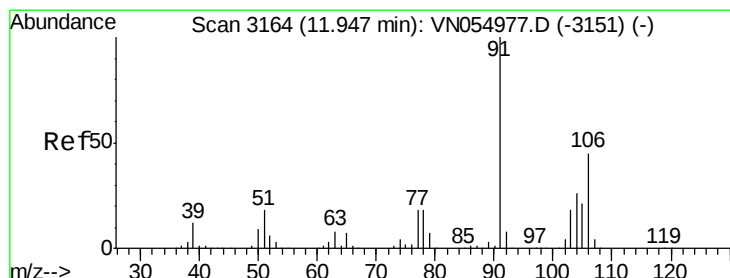
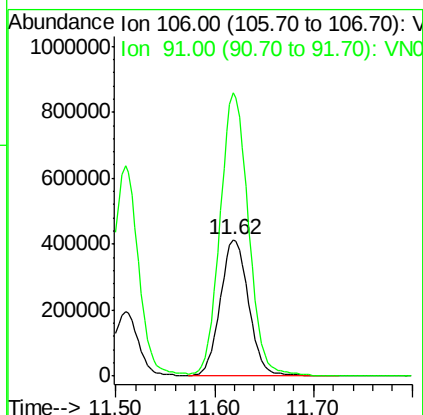
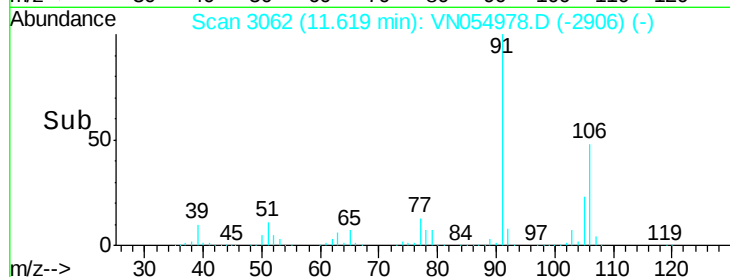
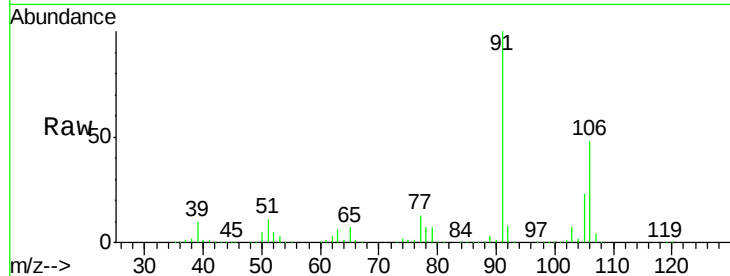
#67
m/p-Xylenes
Concen: 117.225 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:106 Resp: 835778
Ion Ratio Lower Upper
106 100
91 208.0 167.4 251.2

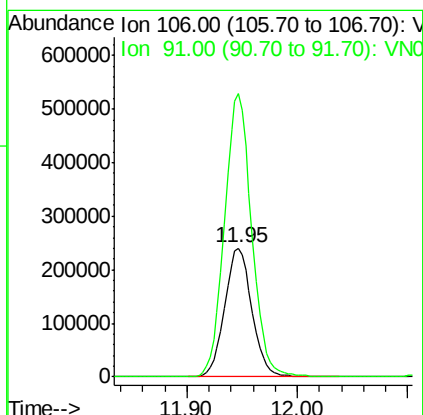
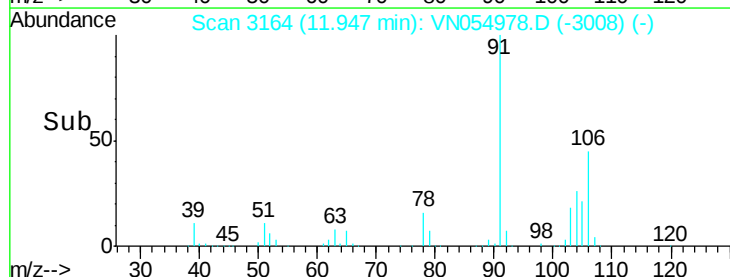
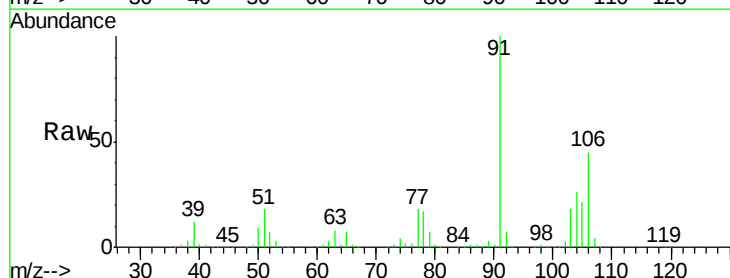
Manual Integrations
APPROVED

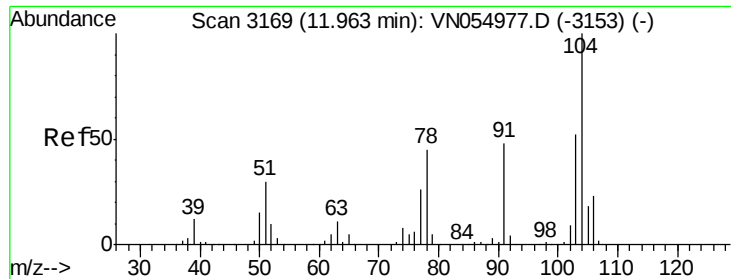
MMDadoda
4/12/2019 1:41:12 PM



#68
o-Xylene
Concen: 59.289 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion:106 Resp: 411355
Ion Ratio Lower Upper
106 100
91 219.2 110.3 330.8





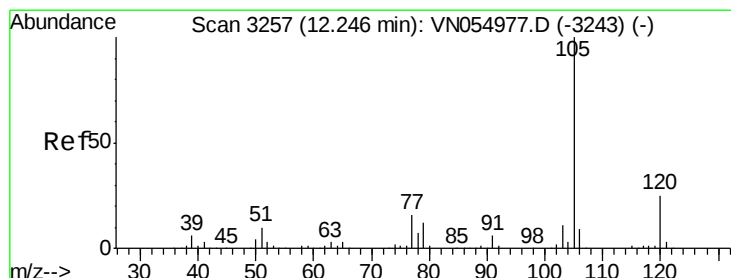
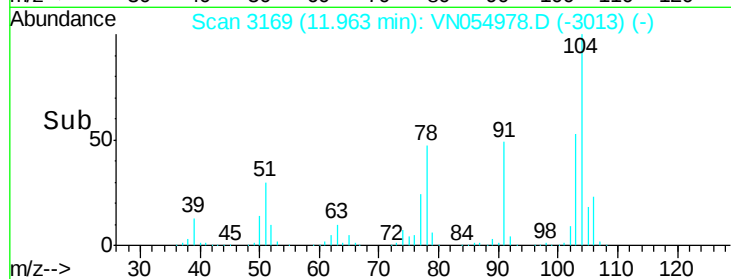
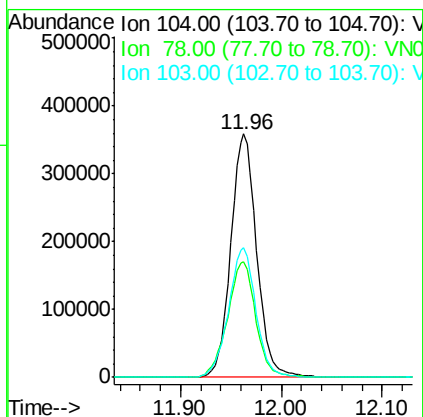
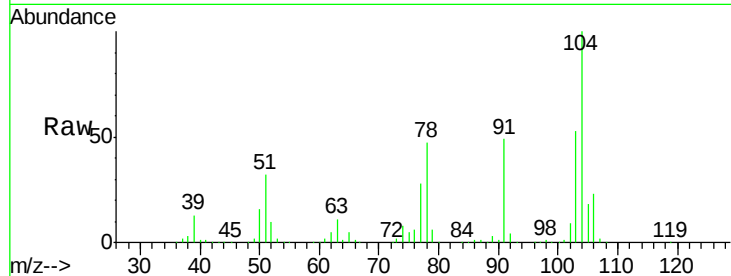
#69
Stvrene
Concen: 58.956 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.0	41.2	61.8
103	56.6	44.6	67.0

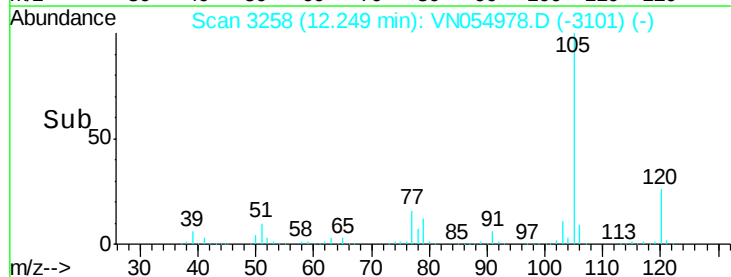
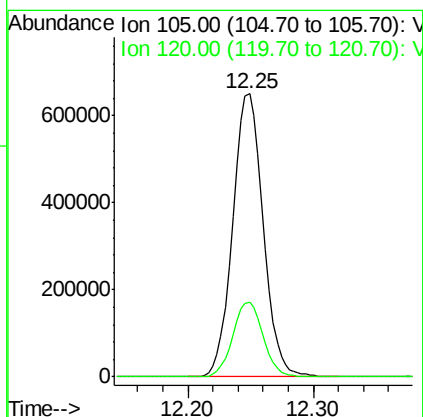
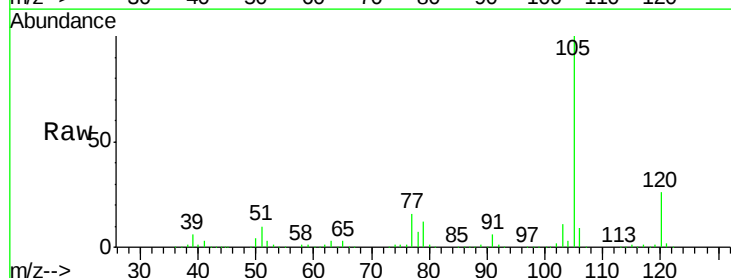
Manual Integrations
APPROVED

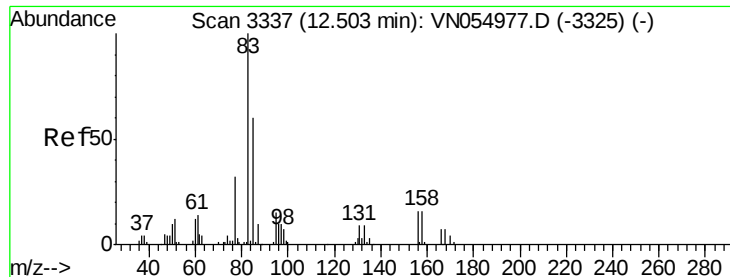
MMDadoda
4/12/2019 1:41:12 PM



#70
Isopropylbenzene
Concen: 60.244 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.3	33.9





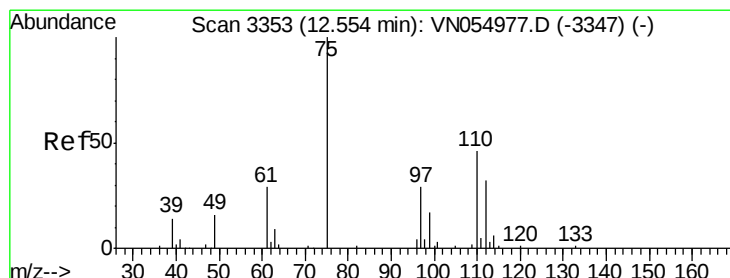
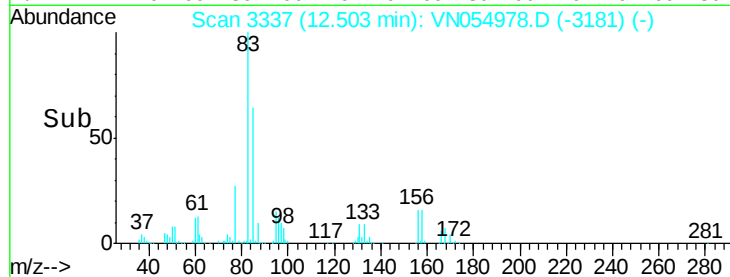
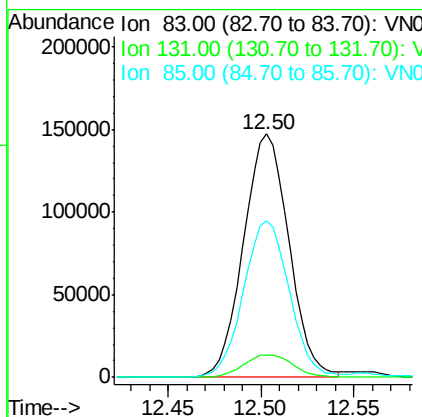
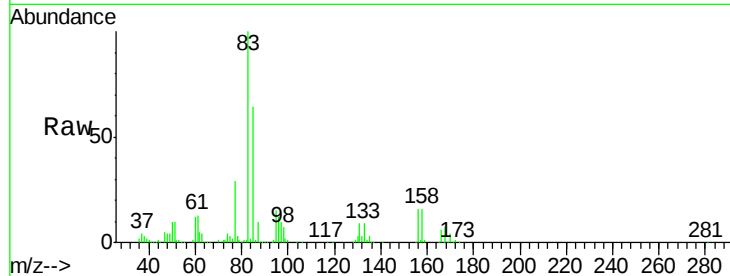
#71
 1,1,2,2-Tetrachloroethane
 Concen: 56.243 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.6	13.8
85	64.7	30.9	92.5

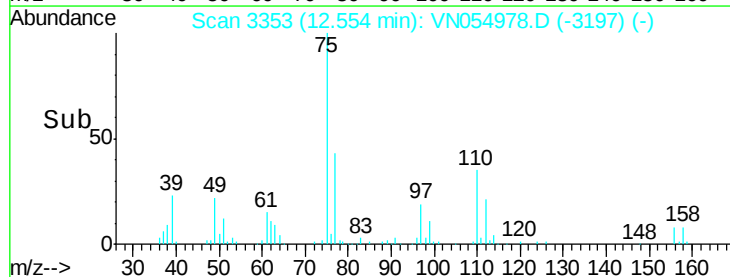
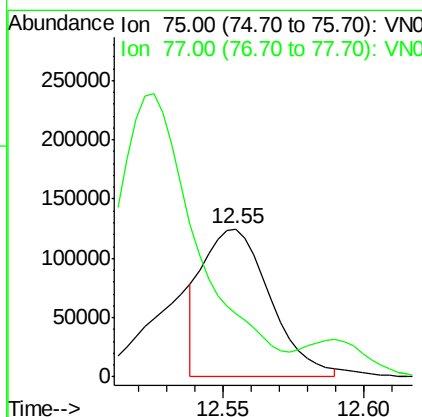
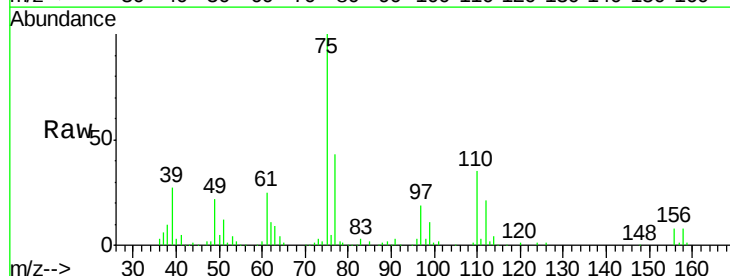
Manual Integrations
 APPROVED

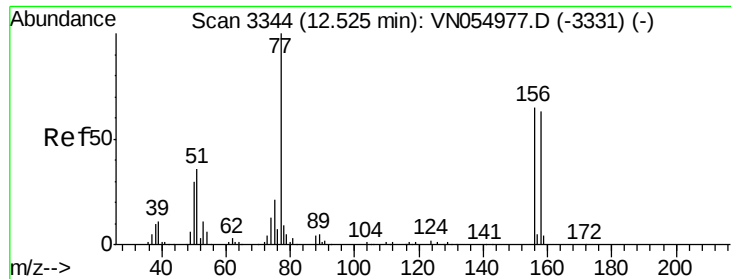
MMDadoda
 4/12/2019 1:41:12 PM



#72
 1,2,3-Trichloropropane
 Concen: 60.424 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	239.0	0.0	466.6





#73

Bromobenzene

Concen: 57.200 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Instrument :

MSVOA_N

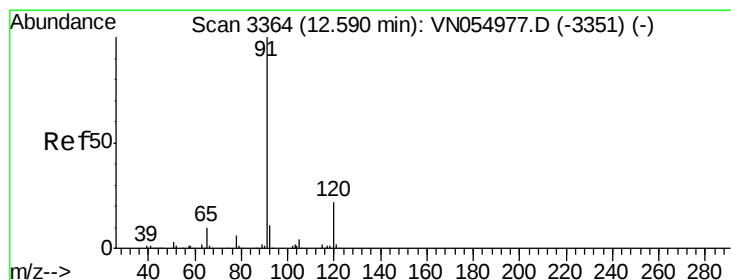
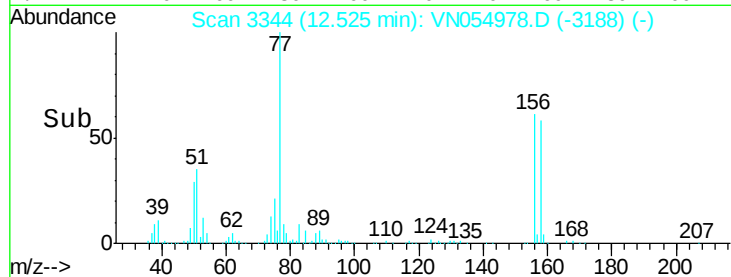
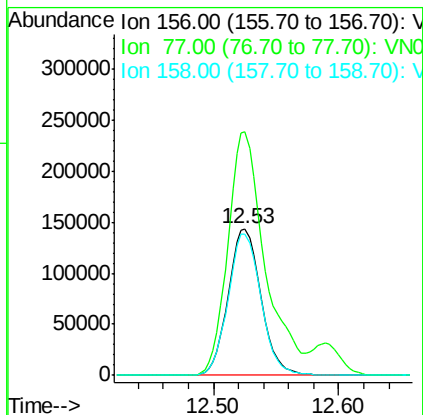
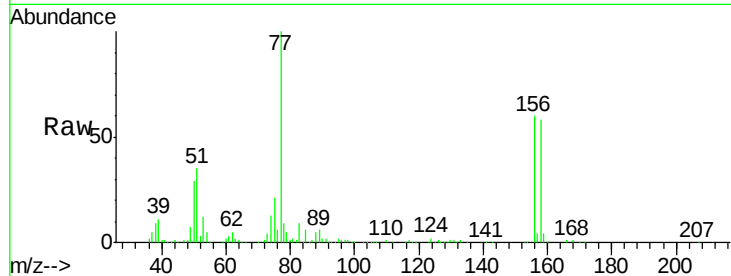
ClientSampleId :

VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		261130		
77	188.6	0.0	383.2		
158	96.9	0.0	193.8		

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:41:12 PM



#74

n-propylbenzene

Concen: 57.586 ug/l

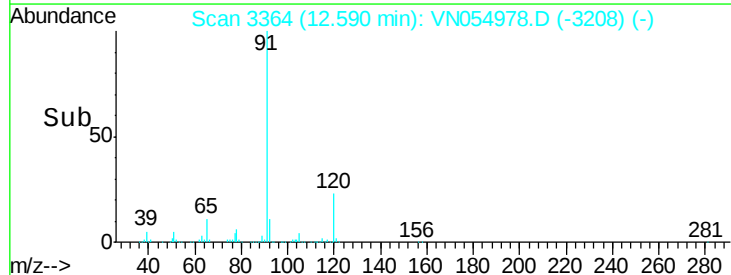
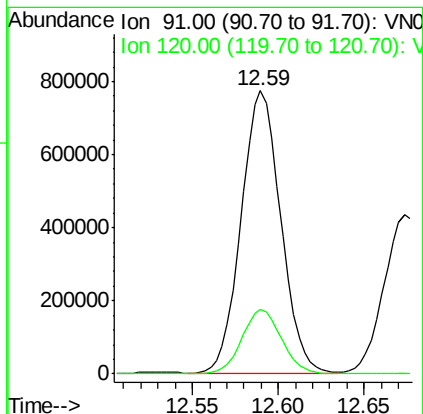
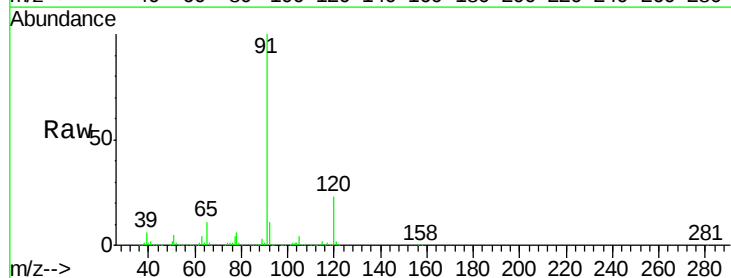
RT: 12.59 min Scan# 3364

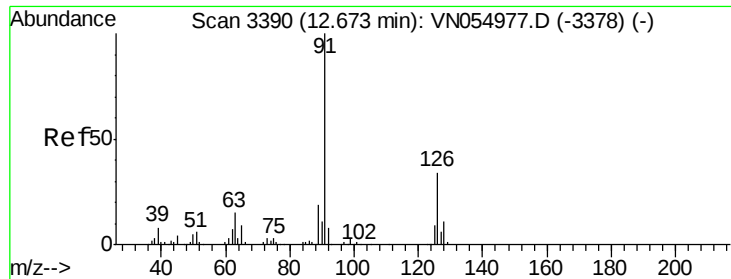
Delta R.T. 0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1242634		
120	22.6	0.0	44.4		





#75

2-Chlorotoluene

Concen: 58.387 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 740474

Ion Ratio Lower Upper

91 100

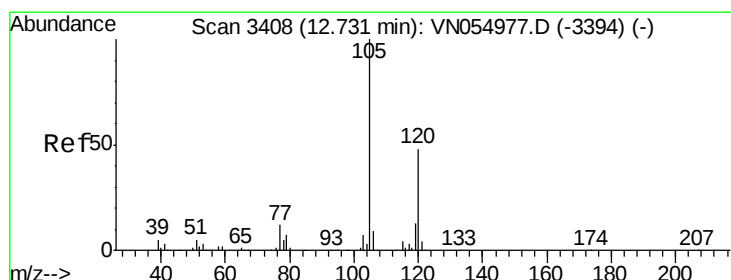
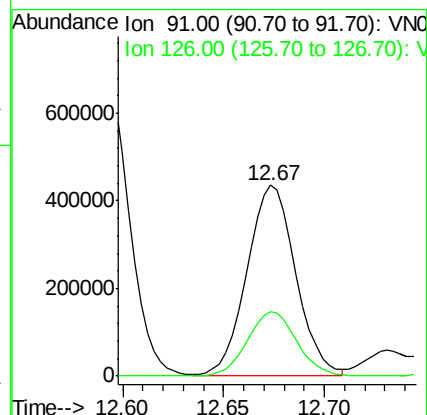
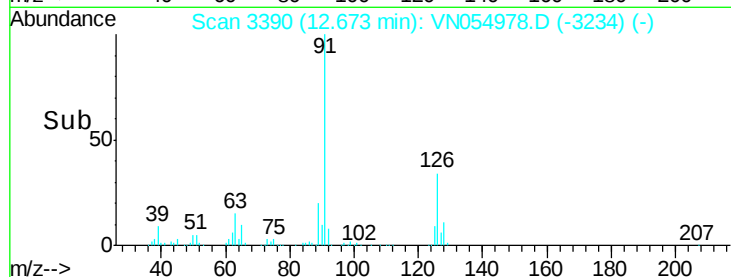
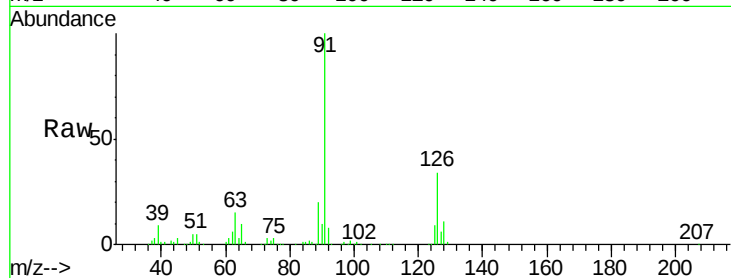
126 34.0 0.0 67.4

Manual Integrations

APPROVED

MMDadoda

4/12/2019 1:41:12 PM



#76

1,3,5-Trimethylbenzene

Concen: 57.583 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054978.D

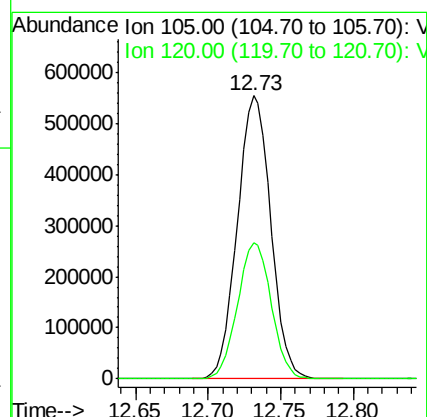
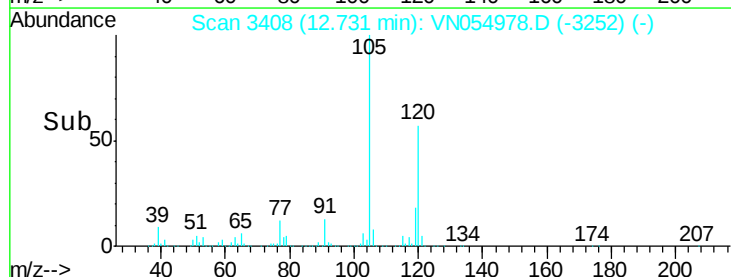
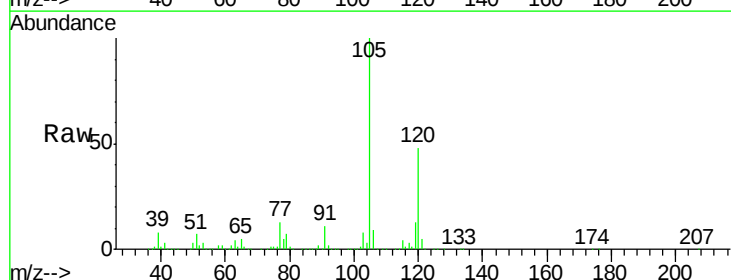
Acq: 11 Apr 2019 15:21

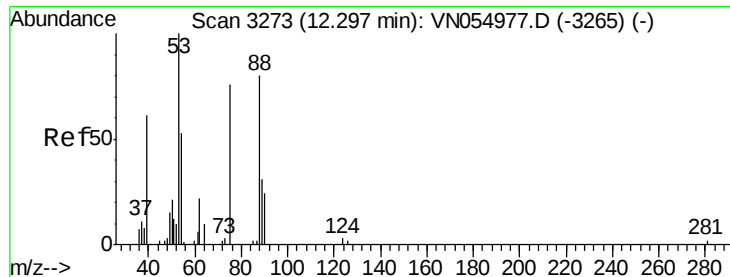
Tgt Ion: 105 Resp: 884354

Ion Ratio Lower Upper

105 100

120 48.6 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 44.673 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Instrument :

MSVOA_N

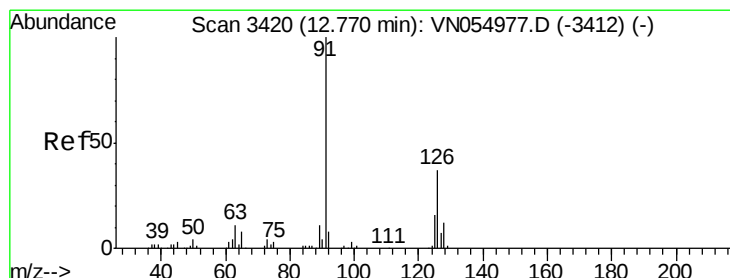
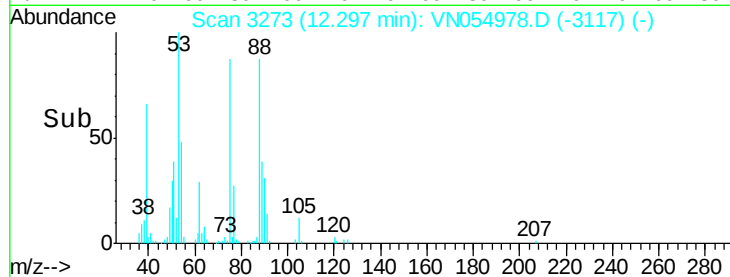
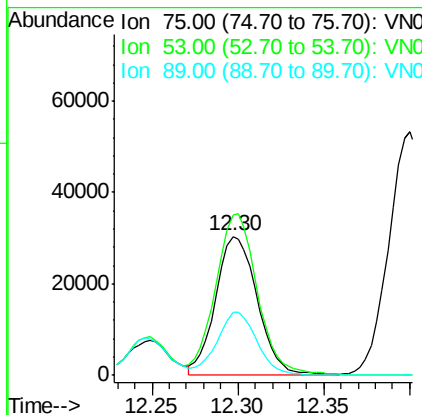
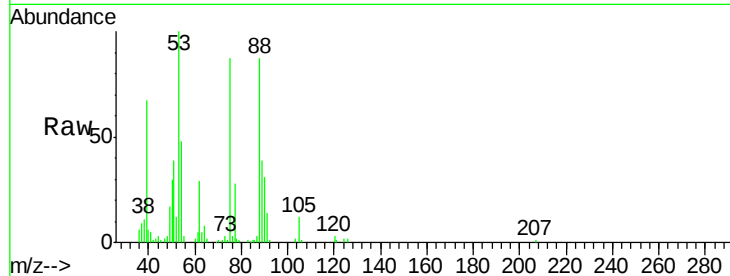
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	51754
Ion	Ratio	Lower	Upper
75	100		
53	115.4	64.3	192.7
89	45.5	21.6	65.0

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:41:12 PM



#78

4-Chlorotoluene

Concen: 57.347 ug/l

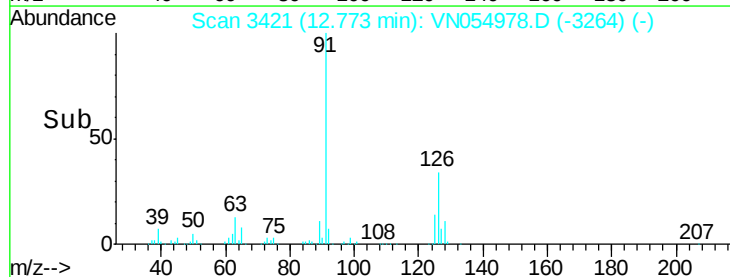
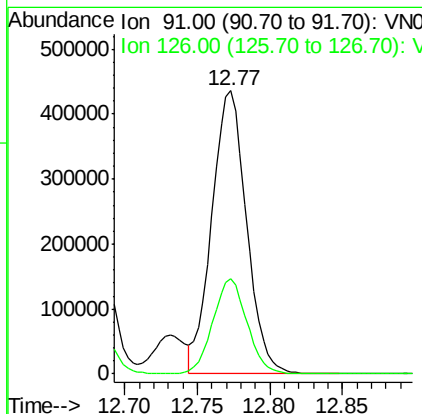
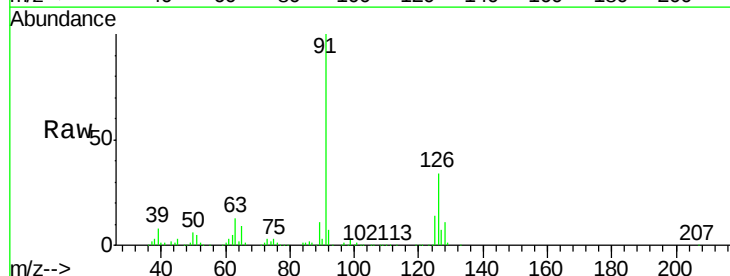
RT: 12.77 min Scan# 3421

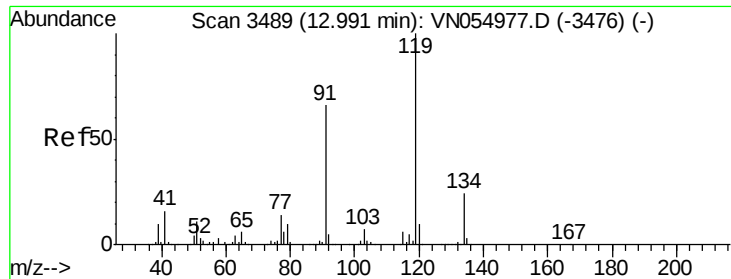
Delta R.T. 0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Tgt Ion:	91	Resp:	721639
Ion	Ratio	Lower	Upper
91	100		
126	33.1	0.0	66.6





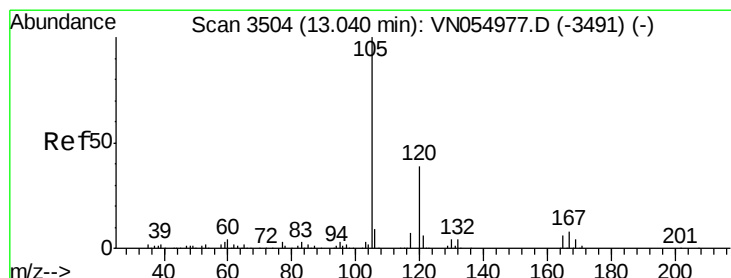
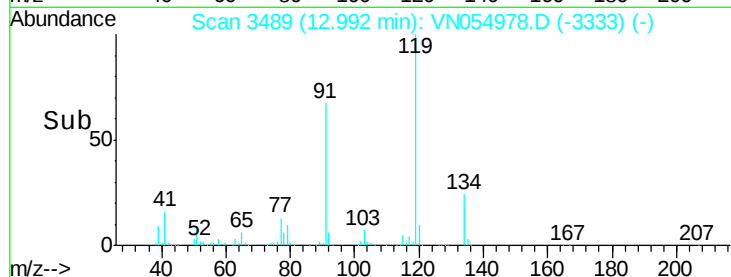
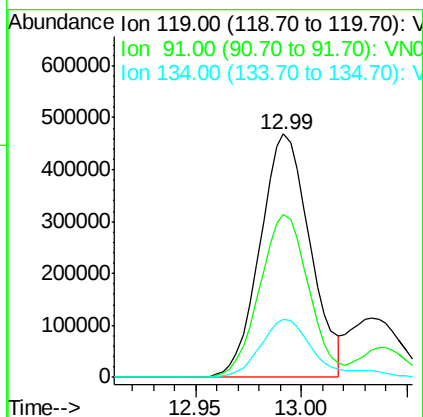
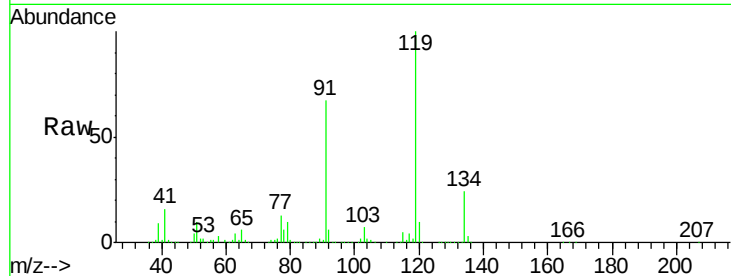
#79
tert-butylbenzene
Concen: 57.392 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	774069		
91	65.7		0.0	132.6
134	23.8		0.0	47.6

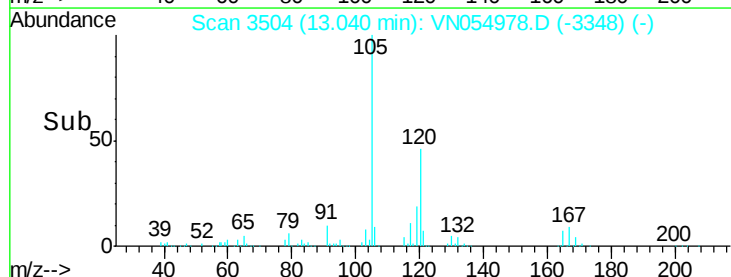
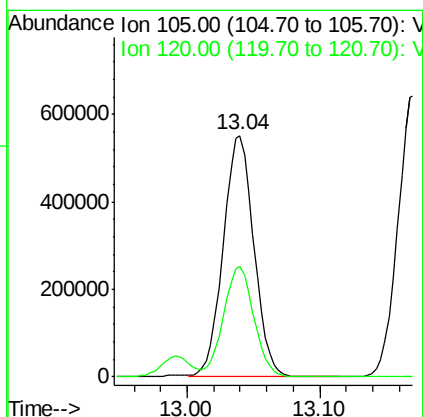
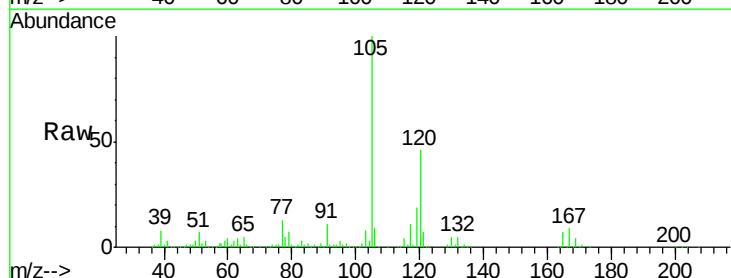
Manual Integrations
APPROVED

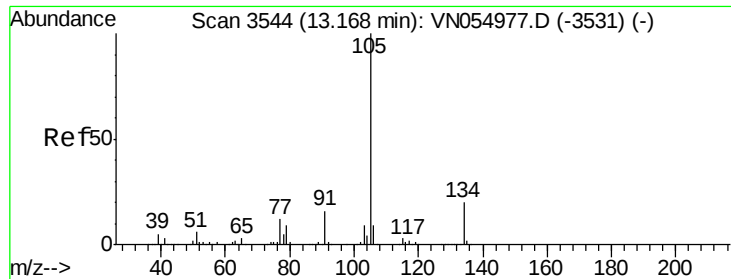
MMDadoda
4/12/2019 1:41:12 PM



#80
1,2,4-Trimethylbenzene
Concen: 58.377 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	886427		
120	45.3		0.0	91.4





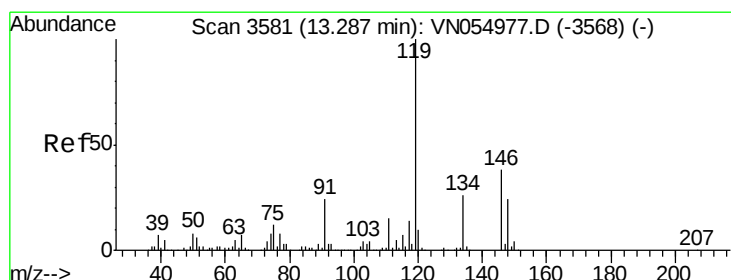
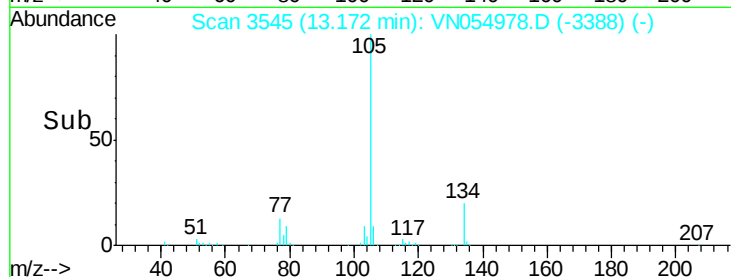
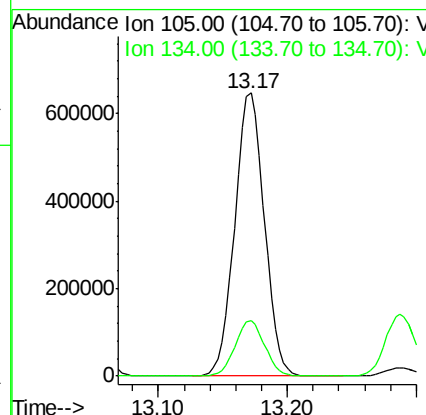
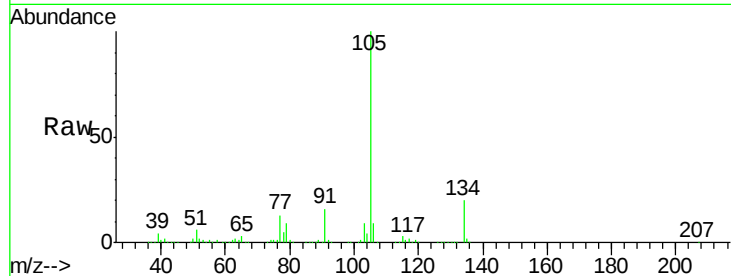
#81
 sec-Butylbenzene
 Concen: 55.948 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:105 Resp: 1030563
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 40.0

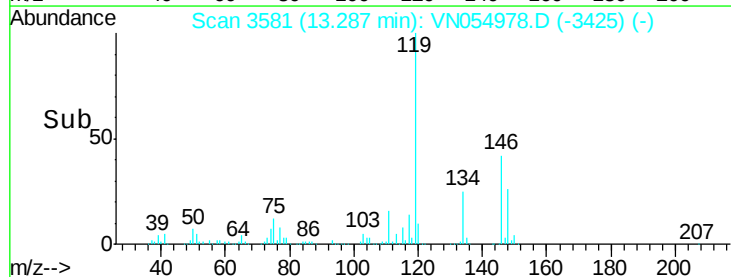
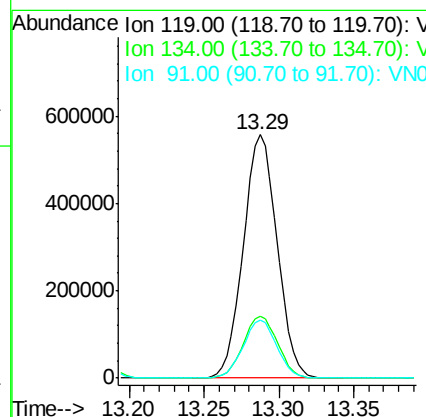
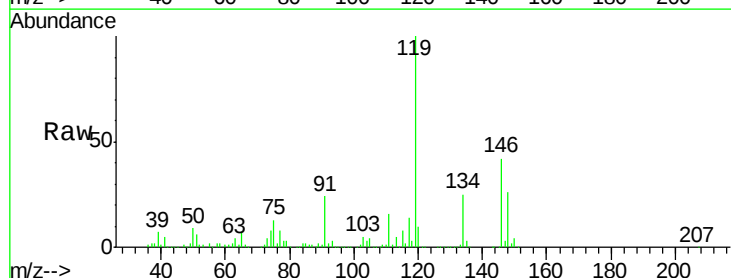
Manual Integrations
 APPROVED

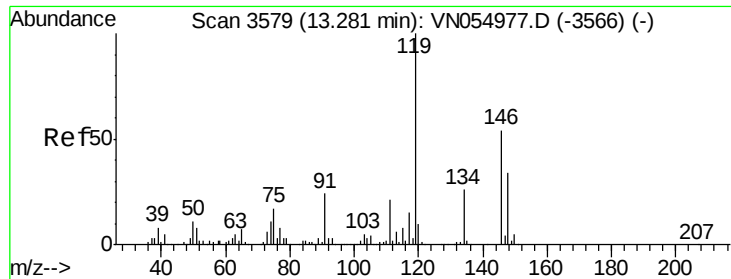
MMDadoda
 4/12/2019 1:41:12 PM



#82
 p-Isopropyltoluene
 Concen: 55.989 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Tgt Ion:119 Resp: 877523
 Ion Ratio Lower Upper
 119 100
 134 25.9 0.0 53.2
 91 23.5 0.0 47.8





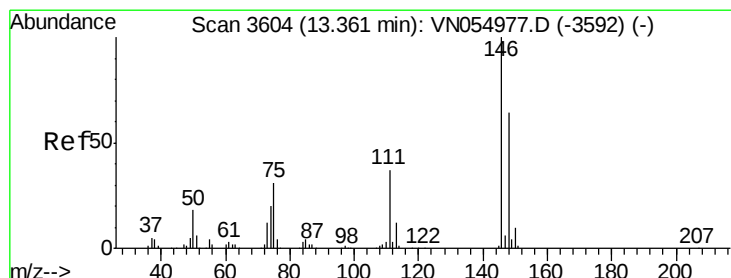
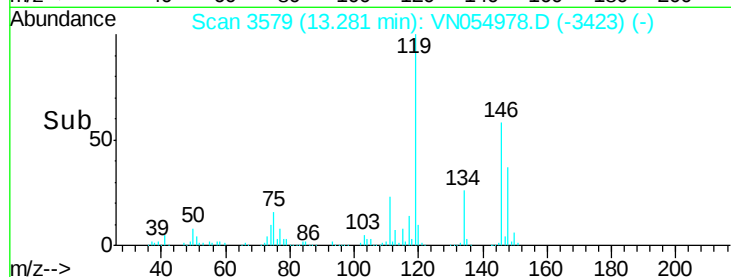
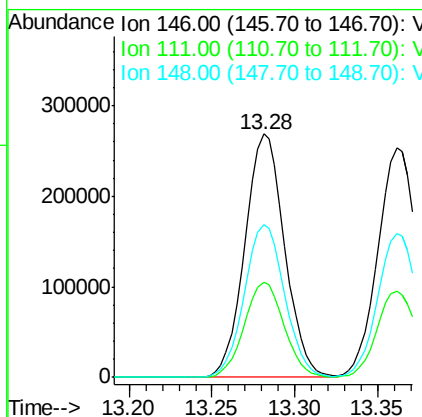
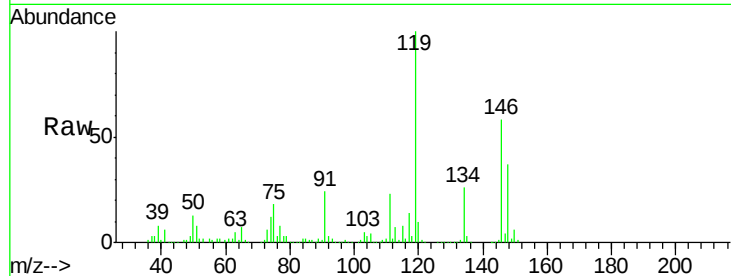
#83
1,3-Dichlorobenzene
Concen: 56.097 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.5
148	63.6	31.9	95.5

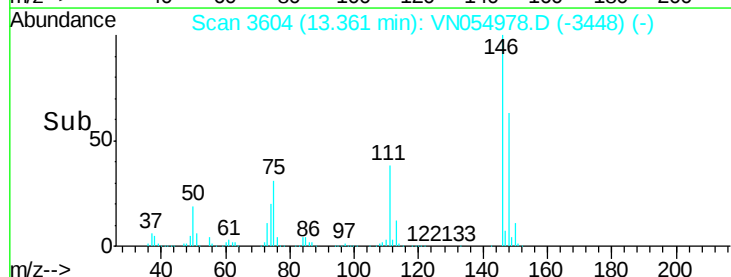
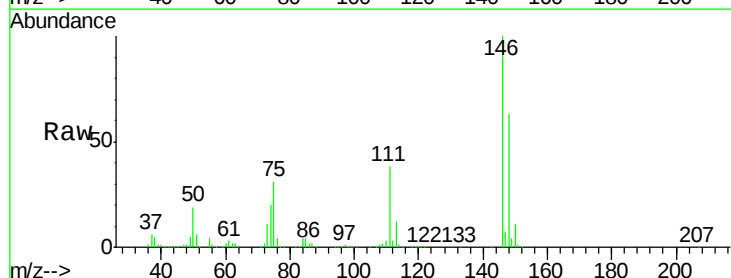
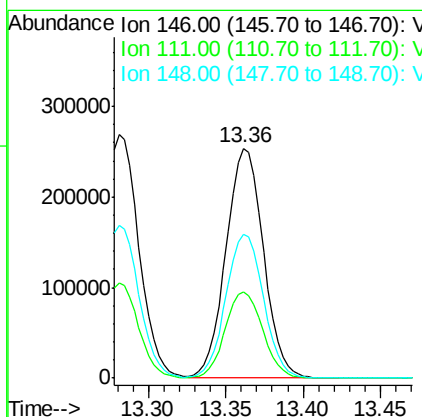
Manual Integrations
APPROVED

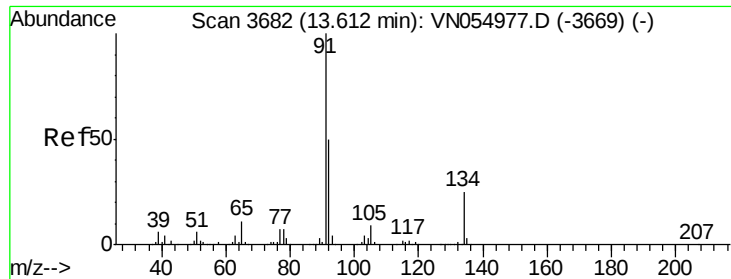
MMDadoda
4/12/2019 1:41:12 PM



#84
1,4-Dichlorobenzene
Concen: 56.188 ug/l
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.4	55.2
148	62.9	32.5	97.4





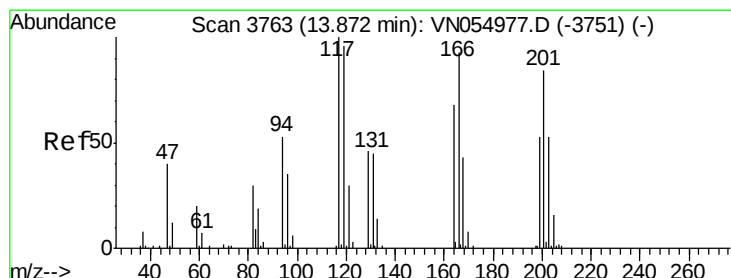
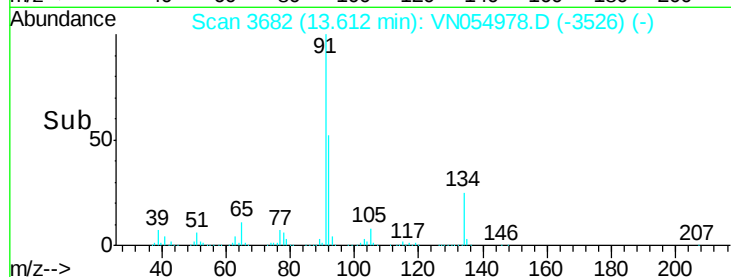
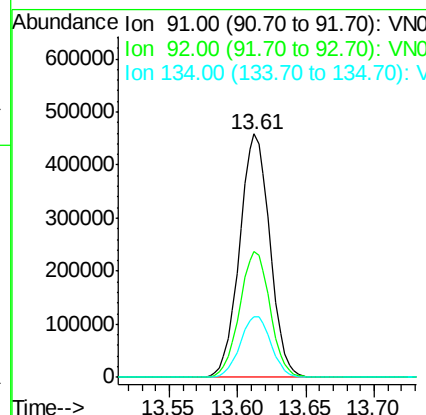
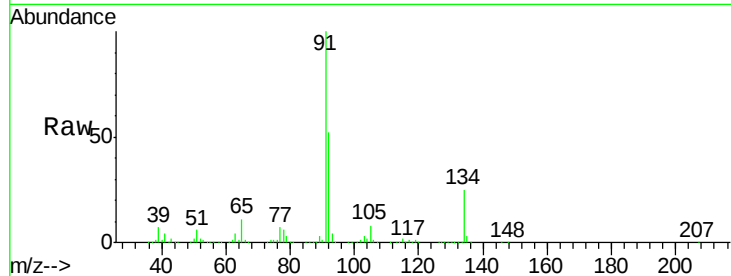
#85
n-Butylbenzene
Concen: 52.710 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	707111		
92	51.9	0.0	101.4	
134	25.5	0.0	49.8	

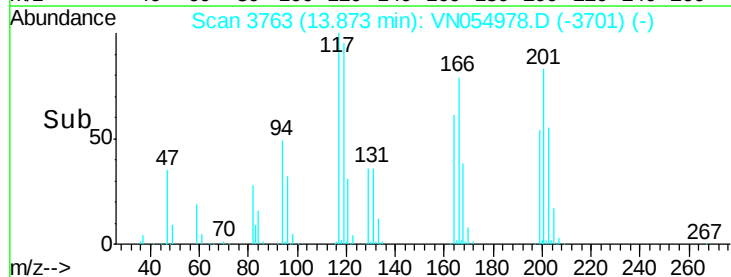
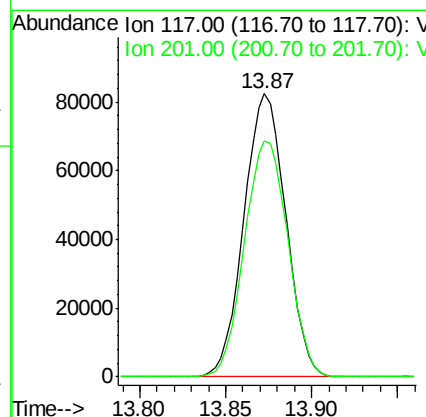
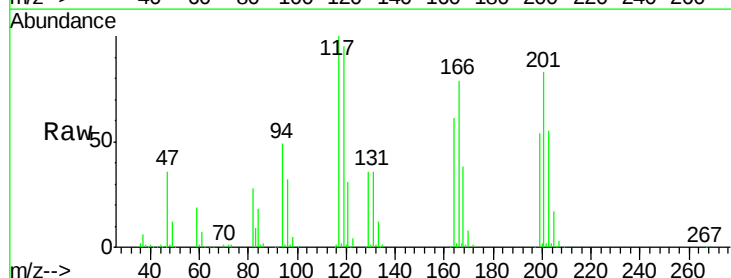
Manual Integrations
APPROVED

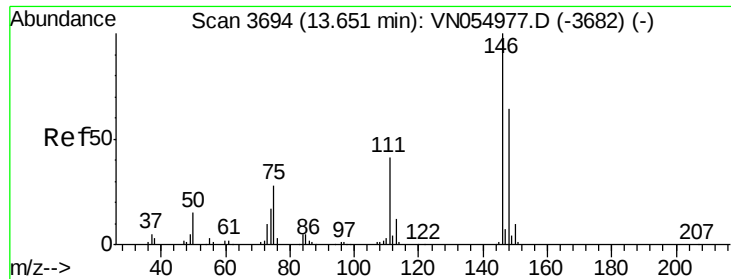
MMDadoda
4/12/2019 1:41:12 PM



#86
Hexachloroethane
Concen: 47.857 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	139574		
201	86.5	42.8	128.3	





#87

1,2-Dichlorobenzene

Concen: 56.911 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Instrument :

MSVOA_N

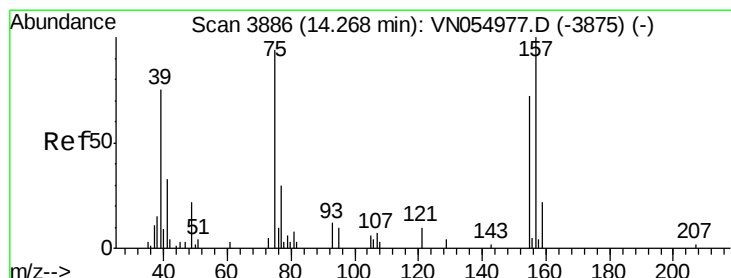
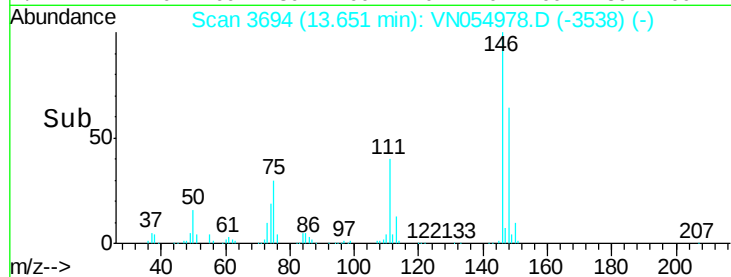
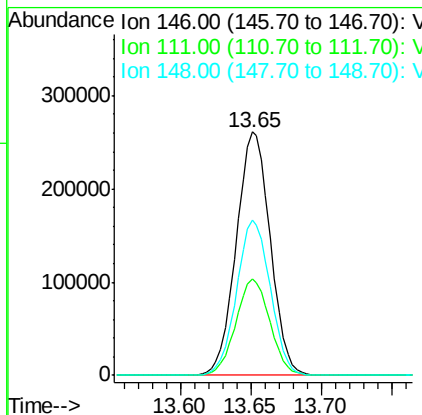
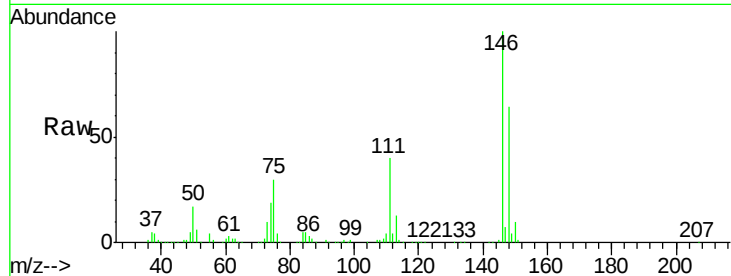
ClientSampleId :

VSTDIC050

Tot Ion:	146	Resp:	440829
Ion Ratio		Lower	Upper
146	100		
111	39.8	20.3	60.8
148	63.4	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:41:12 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 52.945 ug/l

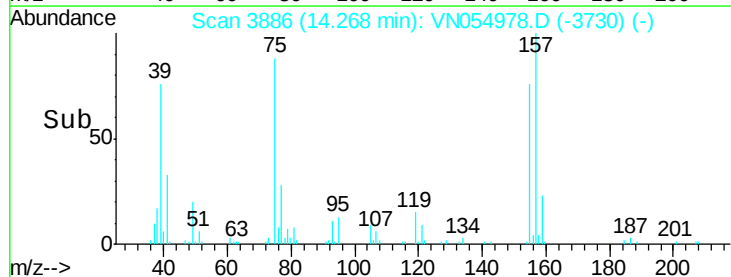
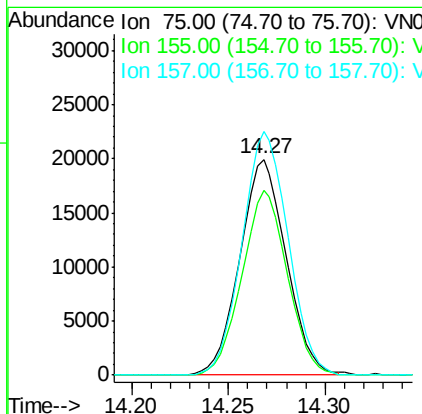
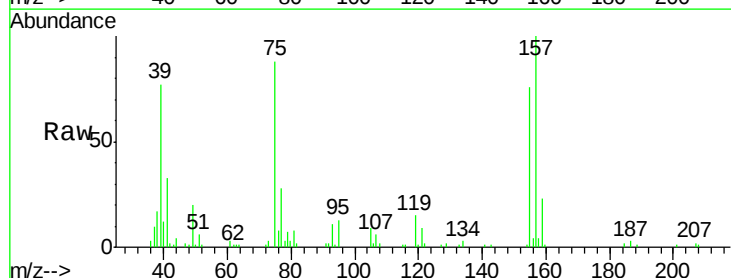
RT: 14.27 min Scan# 3886

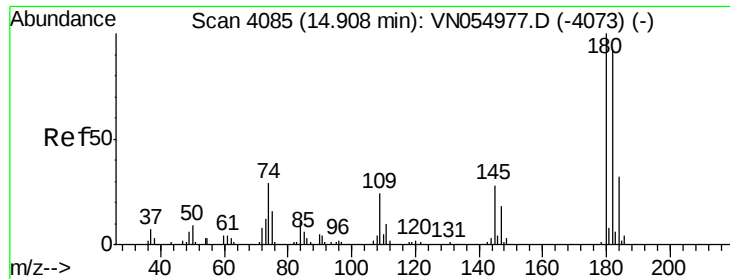
Delta R.T. 0.00 min

Lab File: VN054978.D

Acq: 11 Apr 2019 15:21

Tgt Ion:	75	Resp:	33375
Ion Ratio		Lower	Upper
75	100		
155	83.4	61.8	92.8
157	111.5	82.7	124.1





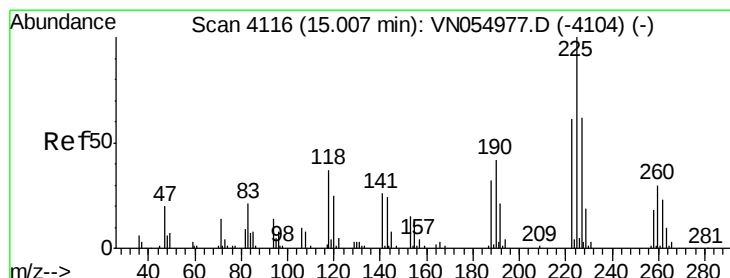
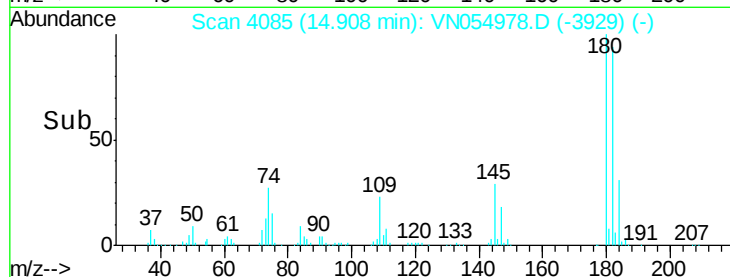
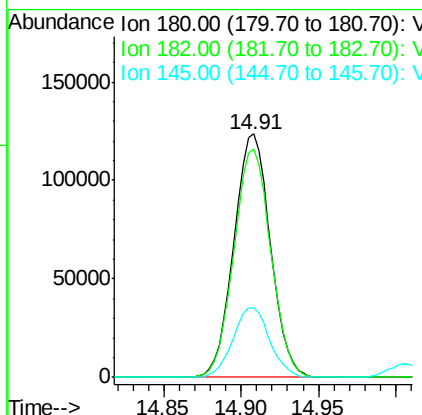
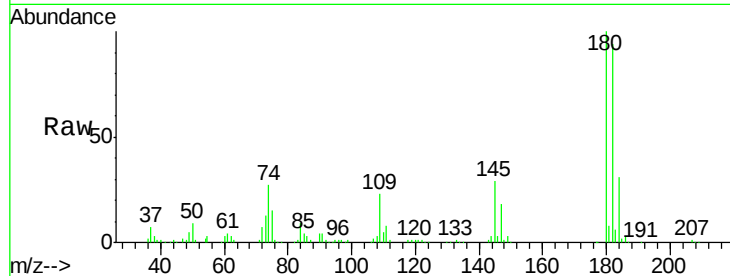
#89
 1,2,4-Trichlorobenzene
 Concen: 53.444 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	73.2	109.8
145	29.0	23.2	34.8

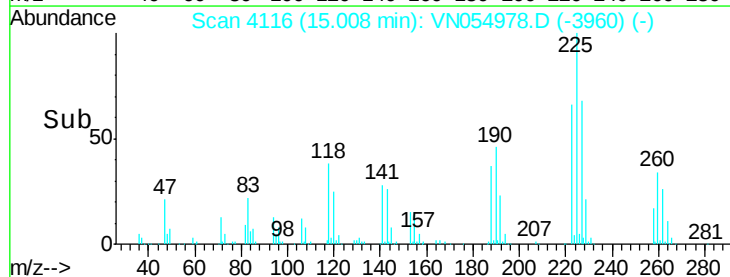
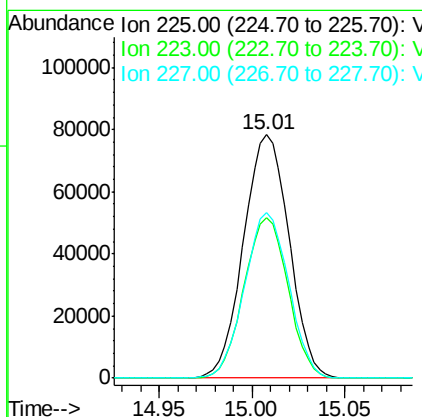
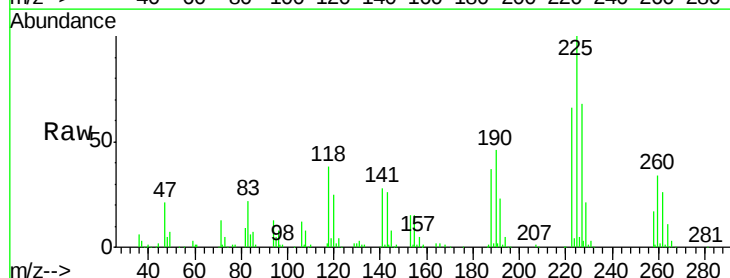
Manual Integrations
 APPROVED

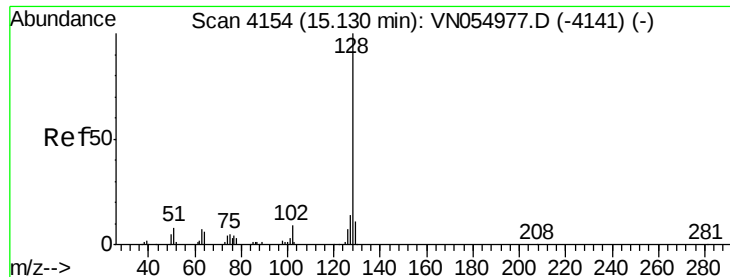
MMDadoda
 4/12/2019 1:41:12 PM



#90
 Hexachlorobutadiene
 Concen: 46.635 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054978.D
 Acq: 11 Apr 2019 15:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	0.0	126.0
227	65.9	0.0	125.4





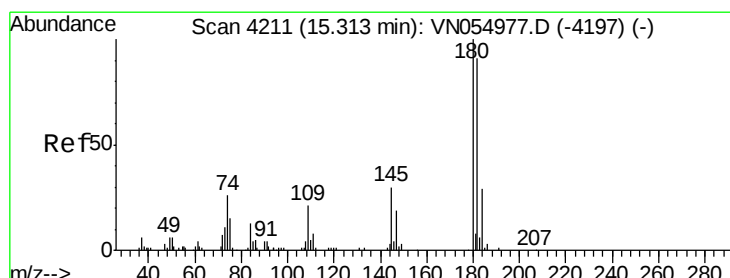
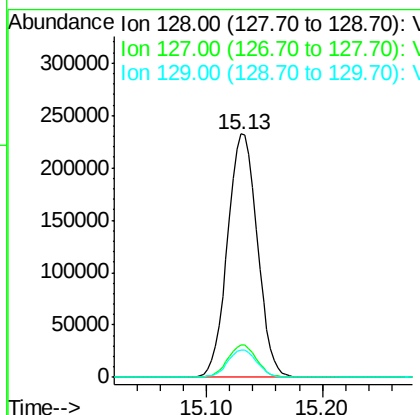
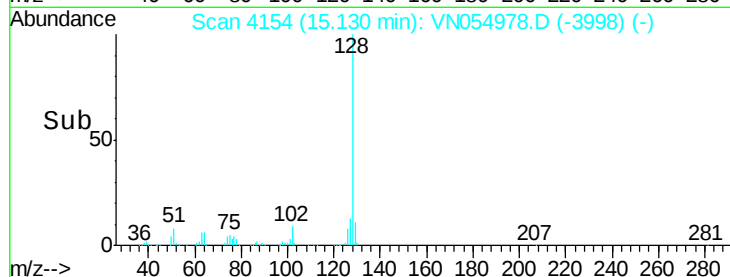
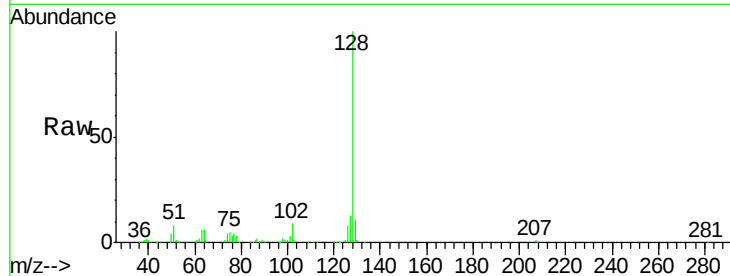
#91
Naphthalene
Concen: 54.992 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:	128	Resp:	413601
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	11.0	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:41:12 PM



#92
1,2,3-Trichlorobenzene
Concen: 52.091 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054978.D
Acq: 11 Apr 2019 15:21

Tgt Ion:	180	Resp:	196843
Ion Ratio	Lower	Upper	
180	100		
182	94.9	0.0	188.2
145	31.5	0.0	61.2

