

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056235.D
 Acq On : 12 Jun 2019 8:56
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 9:42:05 AM

Quant Time: Jun 13 04:44:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	49308	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	246385	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	223039	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	89886	29.36	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.87%
60) 4-Bromofluorobenzene	12.40	95	96057	29.06	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.87%
63) Toluene-d8	10.09	98	306781	30.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	60736	21.900	ug/l 99
3) Chloromethane	2.06	50	65987	20.365	ug/l 97
4) Vinyl Chloride	2.18	62	65668	19.877	ug/l 98
5) Bromomethane	2.54	94	43412	20.909	ug/l 96
6) Chloroethane	2.69	64	36792	19.689	ug/l 94
7) Trichlorofluoromethane	3.01	101	86426	21.144	ug/l 97
8) Diethyl Ether	3.40	74	32168	18.556	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55225	21.887	ug/l 98
10) 1,1-Dichloroethene	3.72	96	51505	20.011	ug/l 97
11) Methyl Iodide	3.94	142	76080	18.735	ug/l 99
12) Methyl Acetate	4.33	43	56786	18.360	ug/l 100
13) Acrolein	3.59	56	13437	89.133	ug/l 98
14) Acrylonitrile	4.99	53	128472	93.143	ug/l 99
15) Acetone	3.82	58	55937	123.857	ug/l 99
16) Carbon Disulfide	4.04	76	130419	21.296	ug/l 98
17) Allyl chloride	4.31	41	78698	19.734	ug/l 97
18) Methylene Chloride	4.54	84	58766	19.722	ug/l 97
19) trans-1,2-Dichloroethene	5.03	96	54767	19.934	ug/l 99
20) Diisopropyl ether	5.95	45	160657	19.444	ug/l 98
21) 1,1-Dichloroethane	5.84	63	96103	20.014	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	62944	19.629	ug/l 98
23) tert-Butyl Alcohol	4.81	59	41806	77.869	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	153082	18.662	ug/l 99
25) Chloroform	7.37	83	99608	20.774	ug/l 99
26) Cyclohexane	7.65	56	88140	19.785	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	73764	22.133	ug/l 99
30) 2-Butanone	6.84	43	191888	109.367	ug/l 99
31) 2,2-Dichloropropane	6.82	77	67395	21.737	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	81970	22.261	ug/l 99
33) Carbon Tetrachloride	7.77	117	72233	23.154	ug/l 99
34) Benzene	8.04	78	227151	21.391	ug/l 99
35) Methacrylonitrile	7.17	41	30329	20.471	ug/l 97
36) 1,2-Dichloroethane	8.12	62	72958	21.934	ug/l 97
37) Trichloroethene	8.83	130	64169	21.595	ug/l 100
38) Methylcyclohexane	9.08	83	91077	21.556	ug/l 100
39) 1,2-Dichloropropane	9.12	63	59068	21.719	ug/l 93
40) Dibromomethane	9.21	93	40105	22.240	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056235.D
 Acq On : 12 Jun 2019 8:56
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 9:42:05 AM

Quant Time: Jun 13 04:44:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	74377	23.034	ug/l	100
42) Vinyl Acetate	5.89	43	642064	102.645	ug/l	99
43) Ethyl Acetate	6.93	43	67371	20.063	ug/l	97
44) Isopropyl Acetate	8.17	43	99731	19.129	ug/l	98
45) 1,4-Dioxane	9.20	88	20897	374.682	ug/l	94
46) Methyl methacrylate	9.20	41	50850	19.633	ug/l	98
47) n-amyl Acetate	12.07	43	80000	18.554	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	68171	20.061	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	82849	20.821	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	57659	21.528	ug/l	99
51) Ethyl methacrylate	10.43	69	77716	19.179	ug/l	100
52) 1,3-Dichloropropane	10.71	76	92269	21.250	ug/l	99
53) Dibromochloromethane	10.90	129	61424	23.428	ug/l	97
54) 1,2-Dibromoethane	11.00	107	57631	20.620	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	122732	86.473	ug/l	100
56) Bromoform	12.12	173	43618	22.996	ug/l #	96
58) 4-Methyl-2-Pentanone	9.98	43	332119	98.337	ug/l	97
59) 2-Hexanone	10.75	43	244885	101.445	ug/l	98
61) Tetrachloroethene	10.63	164	68751	22.117	ug/l	96
62) Toluene	10.15	91	246520	20.474	ug/l	98
64) Chlorobenzene	11.43	112	150838	20.653	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	57221	21.728	ug/l	99
66) Ethyl Benzene	11.51	91	263460	20.544	ug/l	98
67) m/p-Xylenes	11.62	106	204604	41.682	ug/l	99
68) o-Xylene	11.95	106	98328	20.461	ug/l	98
69) Styrene	11.96	104	158303	20.275	ug/l	99
70) Isopropylbenzene	12.25	105	263997	21.026	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	77552	20.487	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	68457m	20.890	ug/l	
73) Bromobenzene	12.52	156	69953	20.990	ug/l	97
74) n-propylbenzene	12.59	91	275149	20.766	ug/l	99
75) 2-Chlorotoluene	12.67	91	171134	20.823	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	217888	21.097	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	16757	17.921	ug/l	93
78) 4-Chlorotoluene	12.77	91	154979	20.192	ug/l	99
79) tert-butylbenzene	12.99	119	192318	21.018	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	209701	20.872	ug/l	100
81) sec-Butylbenzene	13.17	105	246187	21.268	ug/l	100
82) p-Isopropyltoluene	13.29	119	217265	20.760	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	106964	20.595	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	97608	19.730	ug/l	99
85) n-Butylbenzene	13.61	91	145519	18.631	ug/l	99
86) Hexachloroethane	13.87	117	36993	22.674	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	107879	20.435	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10892	18.330	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	39747	19.289	ug/l	98
90) Hexachlorobutadiene	15.01	225	46581	24.170	ug/l	100
91) Naphthalene	15.13	128	95951	13.685	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	46435	16.803	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
Data File : VN056235.D
Acq On : 12 Jun 2019 8:56
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

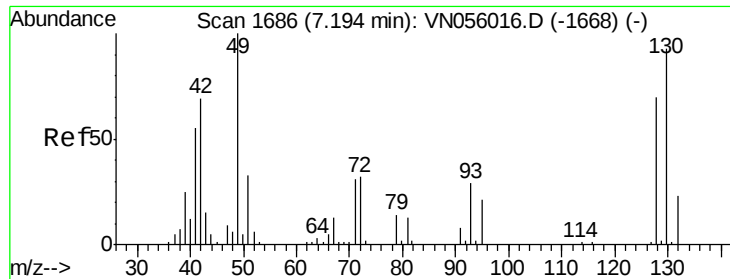
Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:42:05 AM

Quant Time: Jun 13 04:44:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 04:02:53 2019
Response via : Initial Calibration

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

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



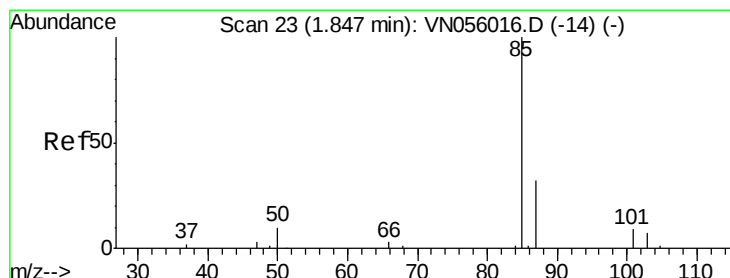
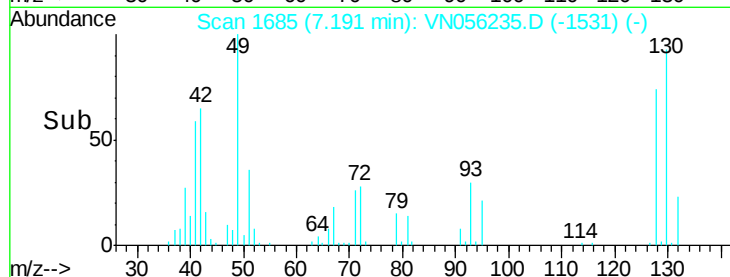
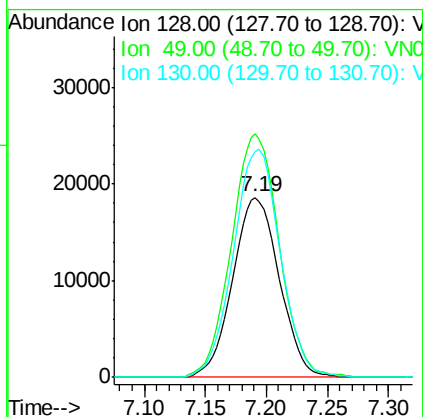
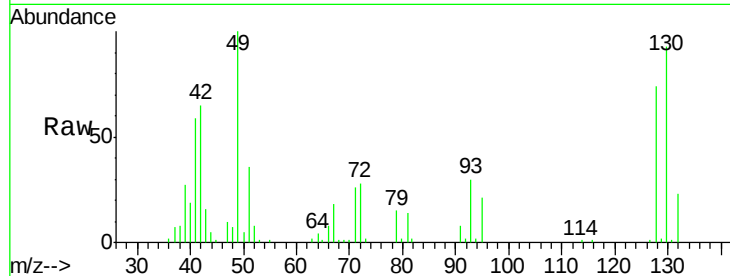
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	138.4	0.0	355.8
130	127.9	0.0	326.3

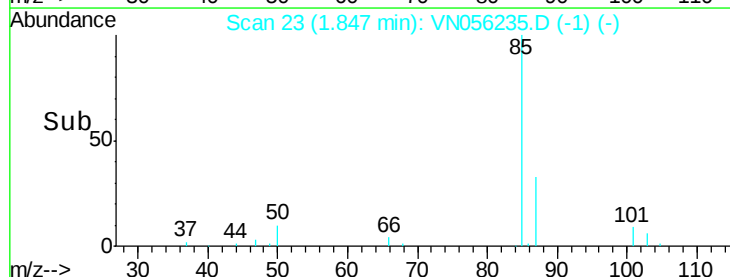
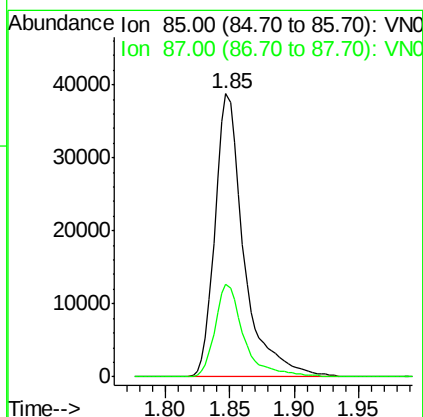
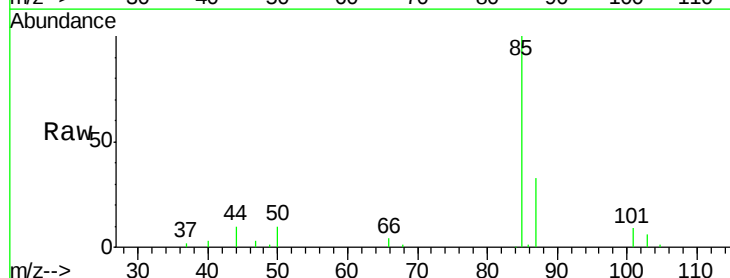
Manual Integrations
 APPROVED

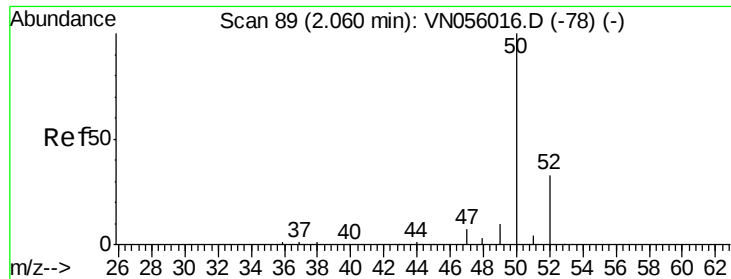
MMDadoda
 6/13/2019 9:42:05 AM



#2
 Dichlorodifluoromethane
 Concen: 21.900 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.9	47.7





#3

Chloromethane

Concen: 20.365 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 65987

Ion Ratio Lower Upper

50 100

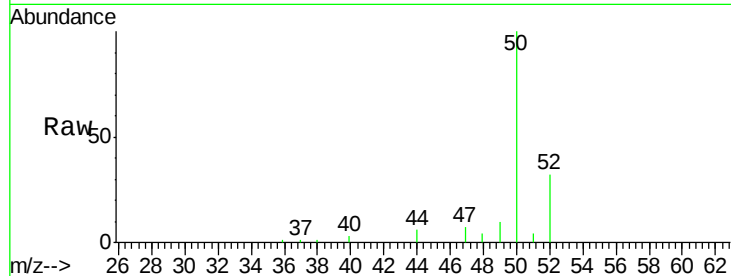
52 31.9 26.7 40.1

Manual Integrations

APPROVED

MMDadoda

6/13/2019 9:42:05 AM



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

50000

40000

30000

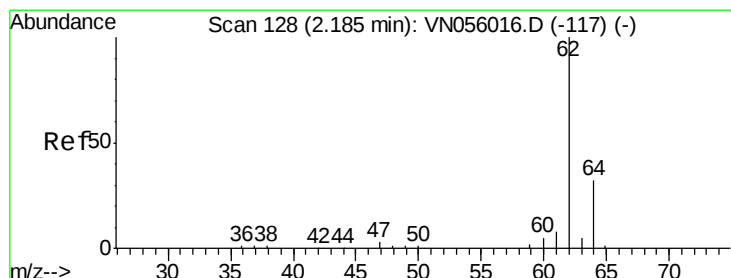
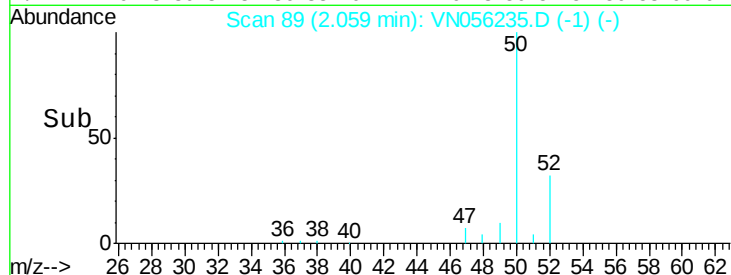
20000

10000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 19.877 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056235.D

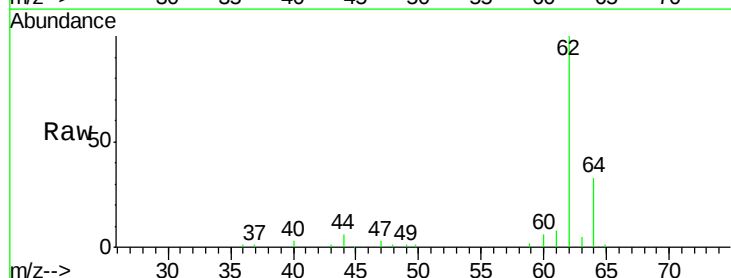
Acq: 12 Jun 2019 8:56

Tgt Ion: 62 Resp: 65668

Ion Ratio Lower Upper

62 100

64 33.4 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

40000

30000

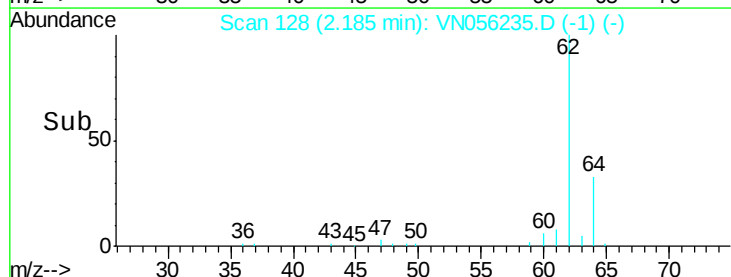
20000

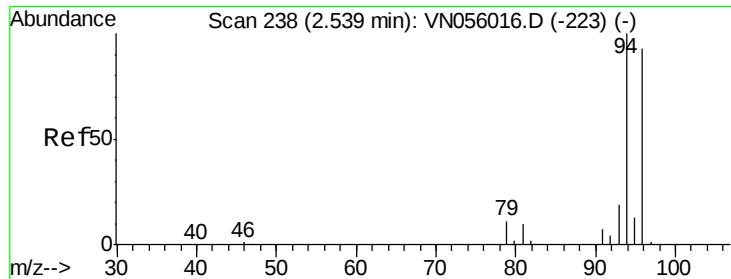
10000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 20.909 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 43412

Ion Ratio Lower Upper

94 100

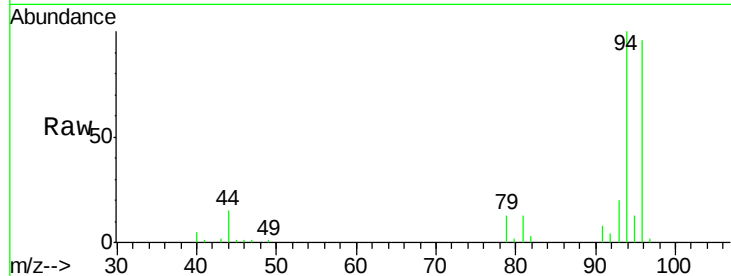
96 96.0 74.1 111.1

Manual Integrations

APPROVED

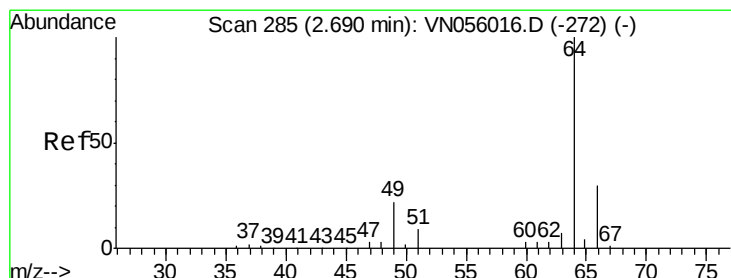
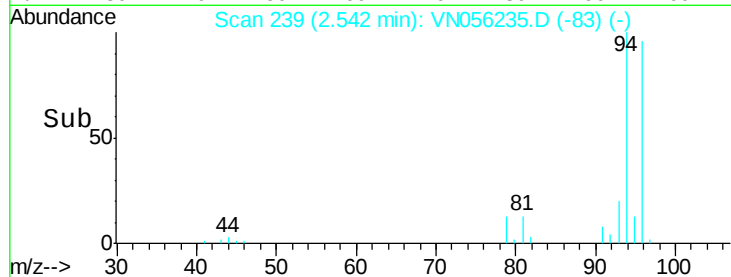
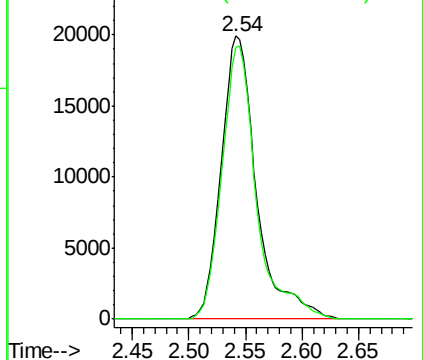
MMDadoda

6/13/2019 9:42:05 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.689 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN056235.D

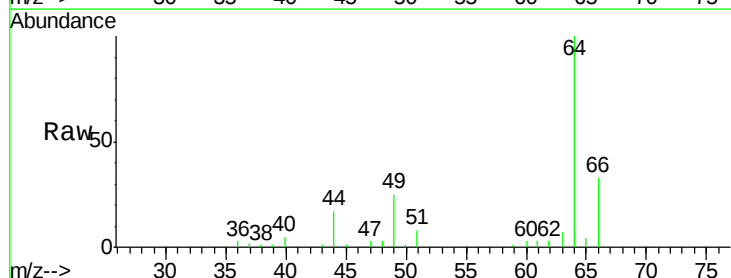
Acq: 12 Jun 2019 8:56

Tgt Ion: 64 Resp: 36792

Ion Ratio Lower Upper

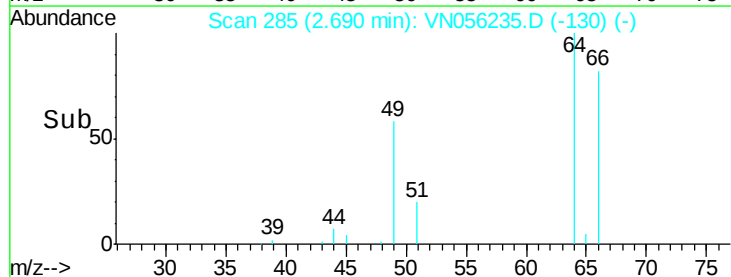
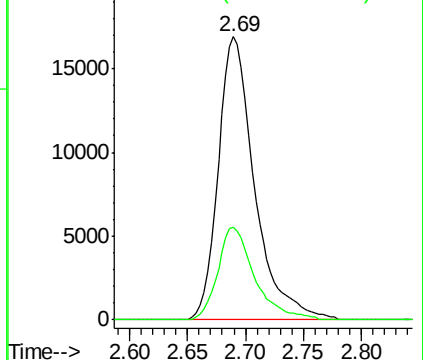
64 100

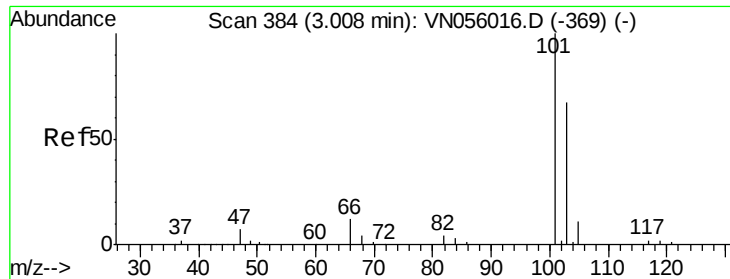
66 32.6 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

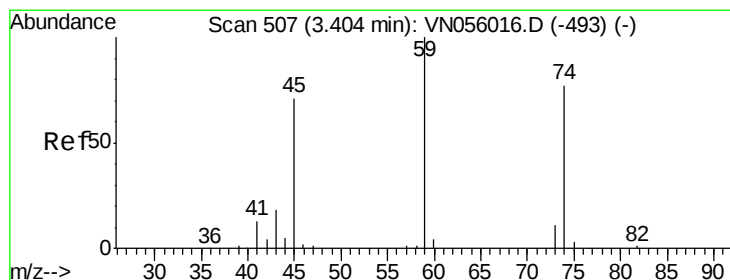
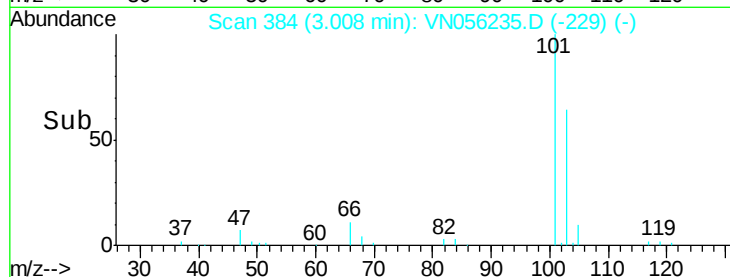
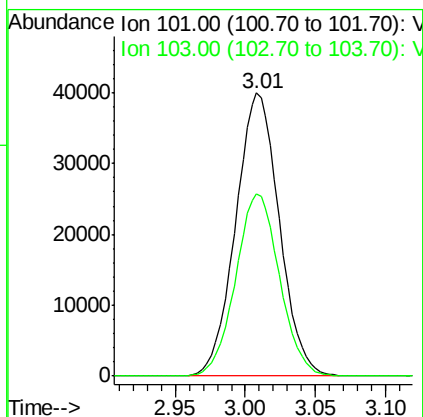
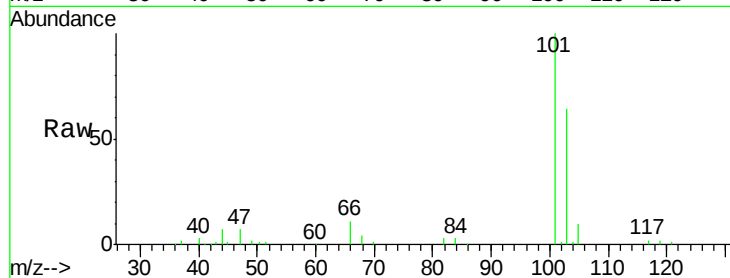
Trichlorofluoromethane
Concen: 21.144 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	53.4	80.0

Manual Integrations
APPROVED

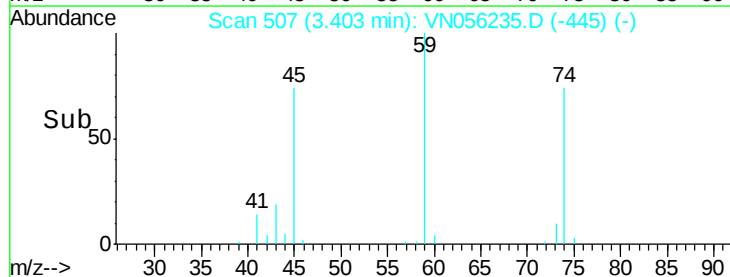
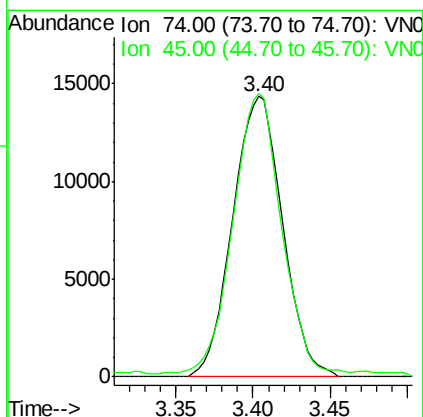
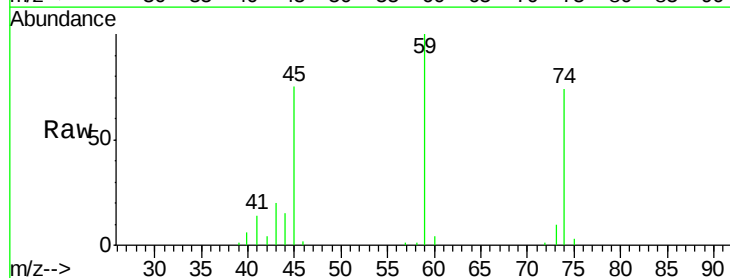
MMDadoda
6/13/2019 9:42:05 AM

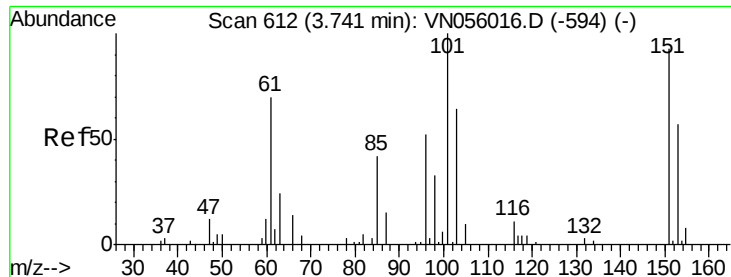


#8

Diethyl Ether
Concen: 18.556 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	18.8	169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.887 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

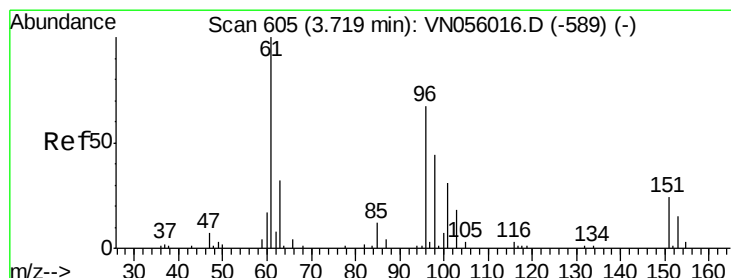
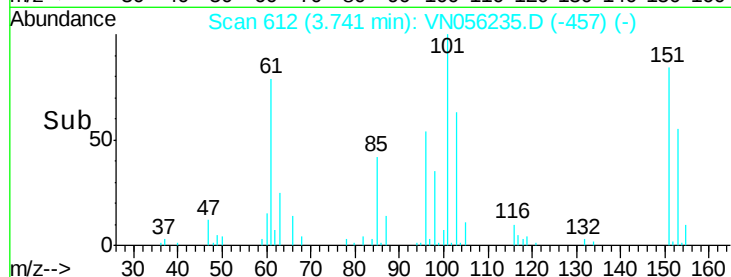
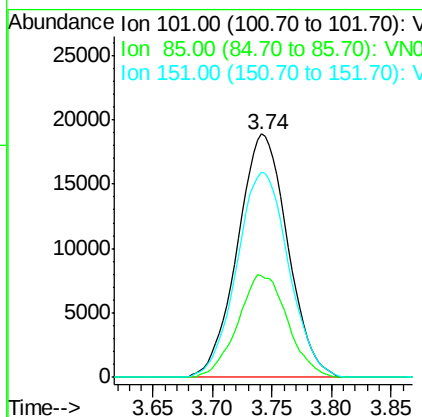
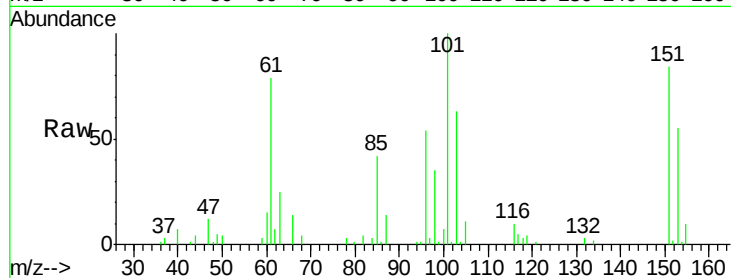
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	55225
Ion Ratio	Lower	Upper	
101	100		
85	41.6	0.0	82.0
151	86.8	0.0	177.0

Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:42:05 AM



#10

1,1-Dichloroethene

Concen: 20.011 ug/l

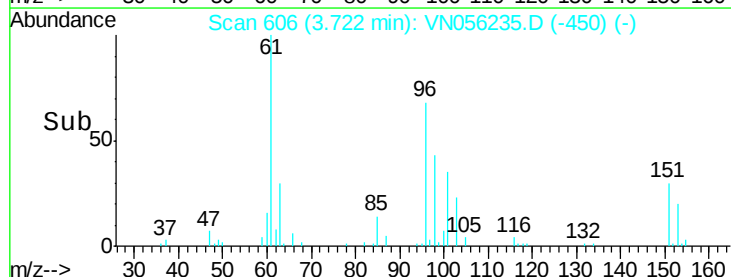
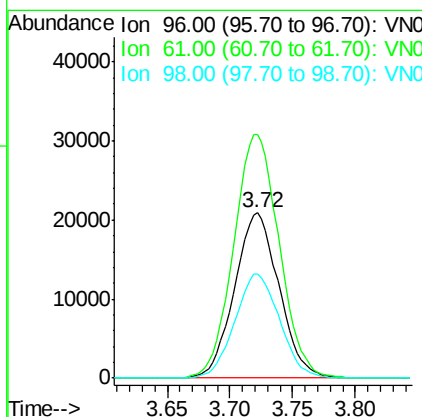
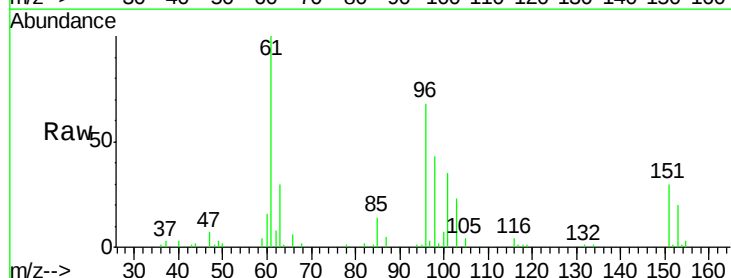
RT: 3.72 min Scan# 606

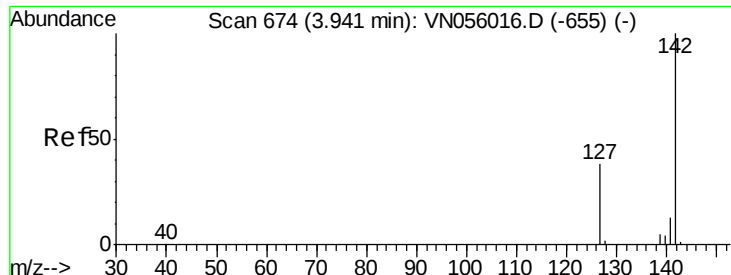
Delta R.T. 0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Tgt Ion:	96	Resp:	51505
Ion Ratio	Lower	Upper	
96	100		
61	146.3	119.7	179.5
98	63.1	52.3	78.5





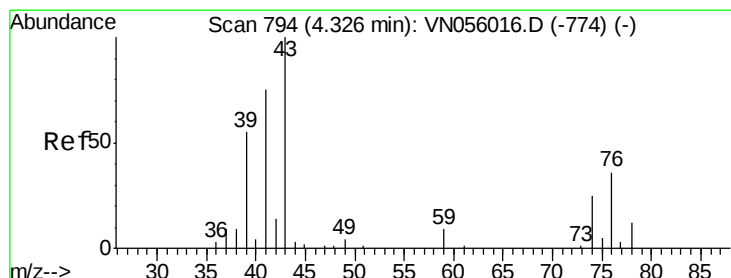
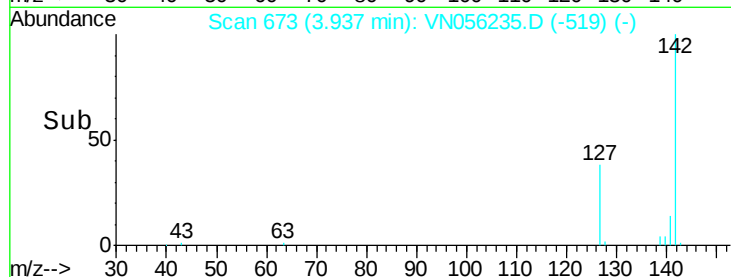
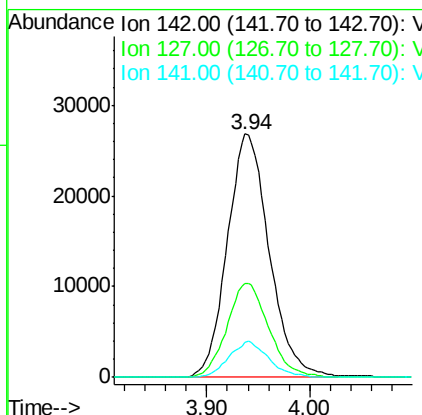
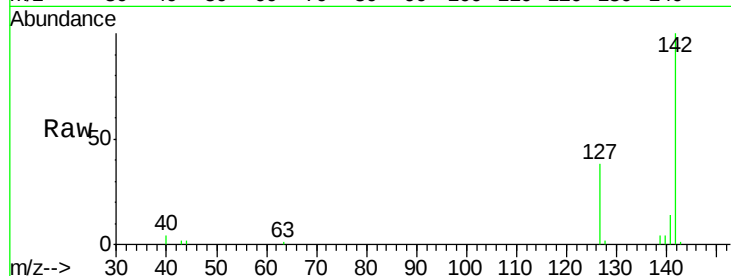
#11
Methyl Iodide
Concen: 18.735 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.6	19.0	57.0
141	14.2	6.7	20.0

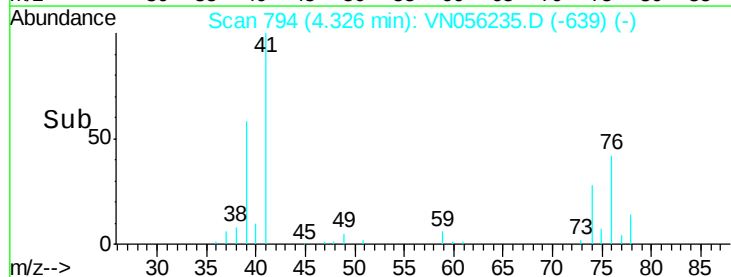
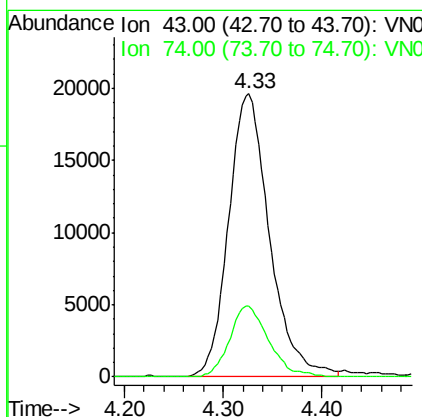
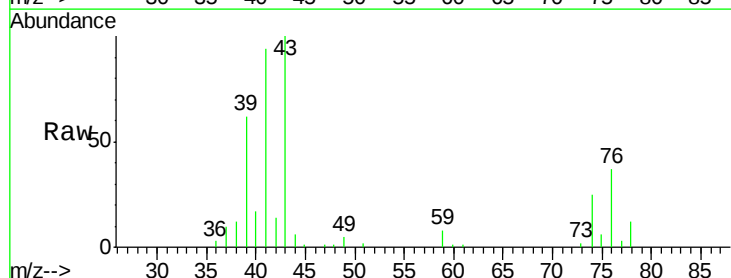
Manual Integrations
APPROVED

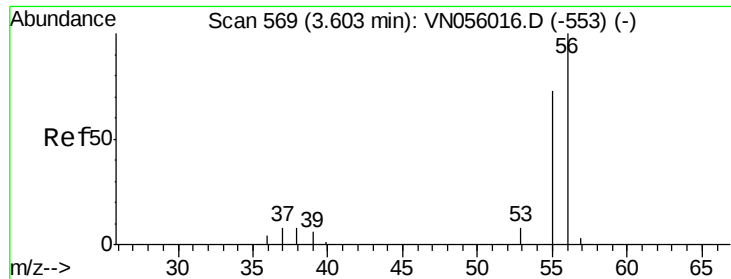
MMDadoda
6/13/2019 9:42:05 AM



#12
Methyl Acetate
Concen: 18.360 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.9	29.9





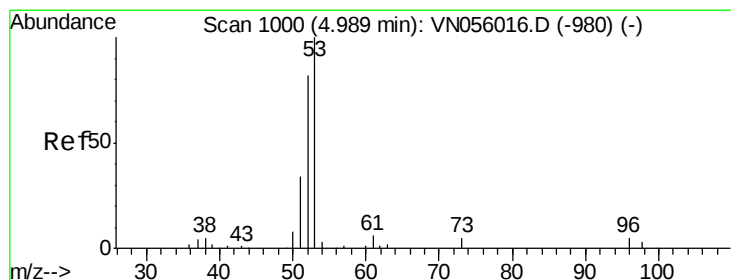
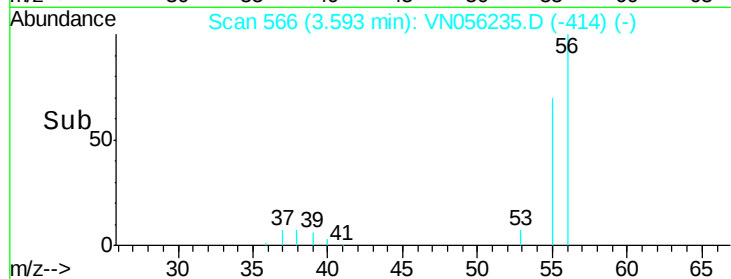
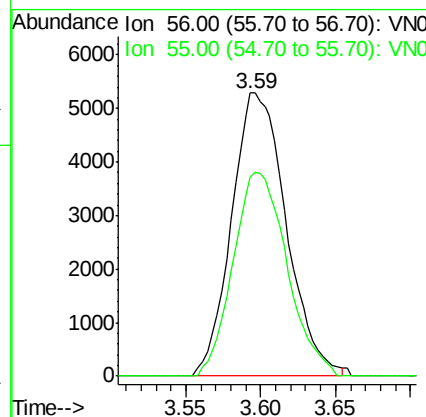
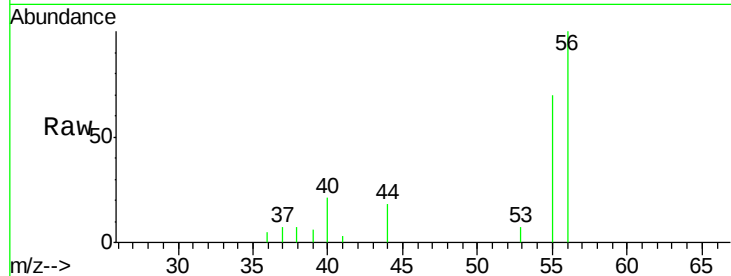
#13
Acrolein
Concen: 89.133 ug/l
RT: 3.59 min Scan# 566
Delta R.T. -0.01 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	56	Resp	13437
Ion Ratio	100	Lower	Upper
56	100		
55	71.0	57.9	86.9

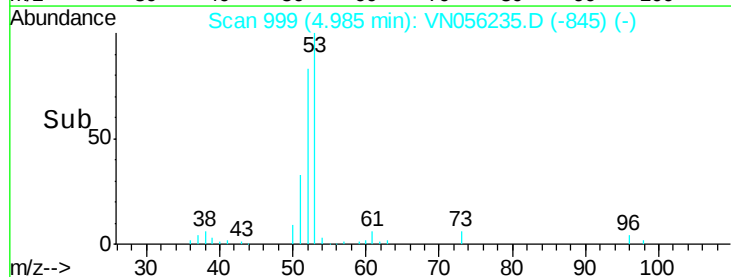
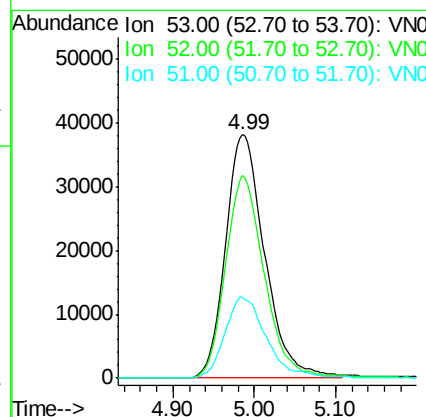
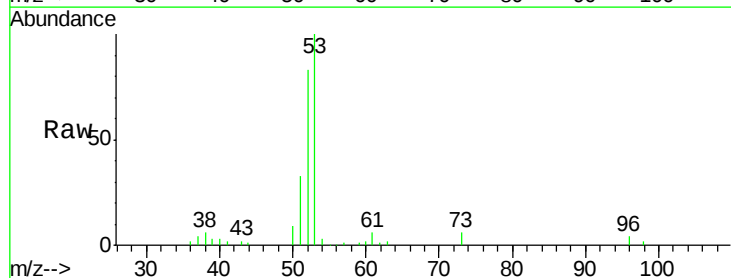
Manual Integrations
APPROVED

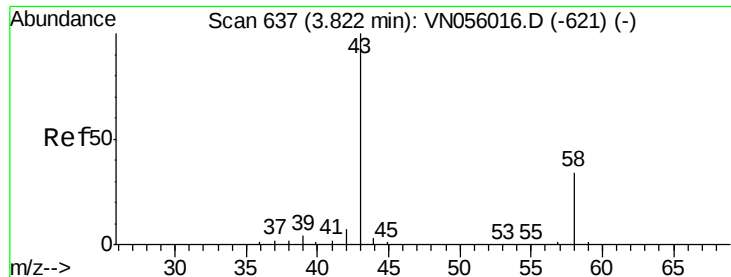
MMDadoda
6/13/2019 9:42:05 AM



#14
Acrylonitrile
Concen: 93.143 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	53	Resp	128472
Ion Ratio	100	Lower	Upper
53	100		
52	80.9	40.8	122.2
51	35.0	17.3	52.0





#15

Acetone

Concen: 123.857 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 55937

Ion Ratio Lower Upper

58 100

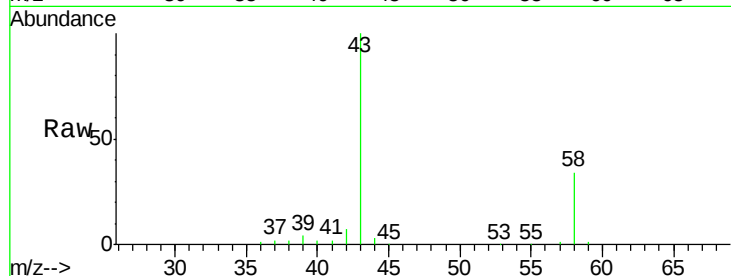
43 292.3 232.5 348.7

Manual Integrations

APPROVED

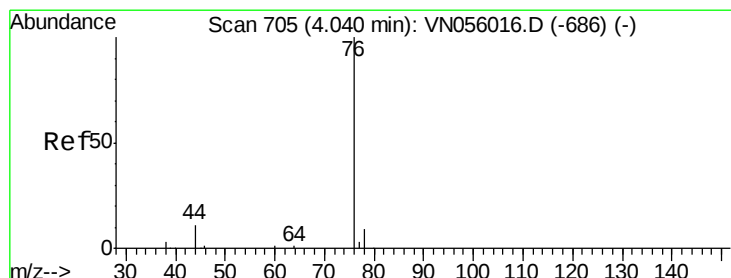
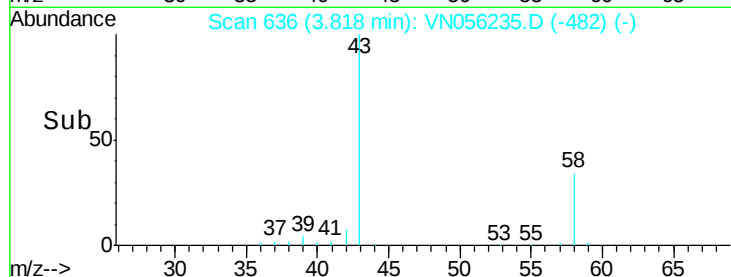
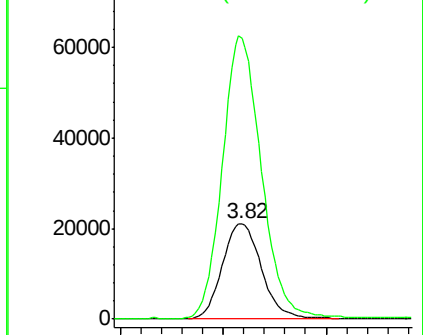
MMDadoda

6/13/2019 9:42:05 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 21.296 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056235.D

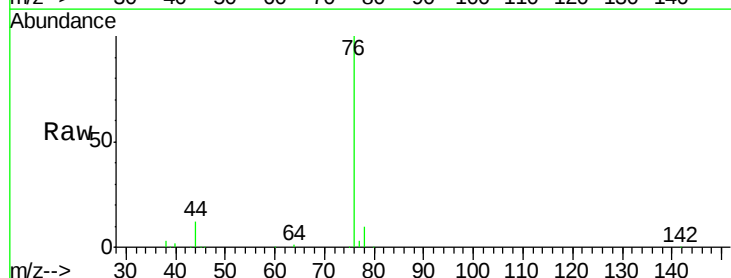
Acq: 12 Jun 2019 8:56

Tgt Ion: 76 Resp: 130419

Ion Ratio Lower Upper

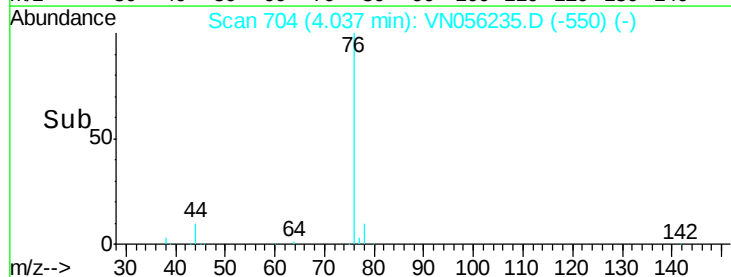
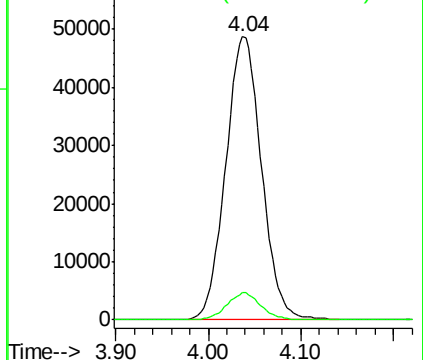
76 100

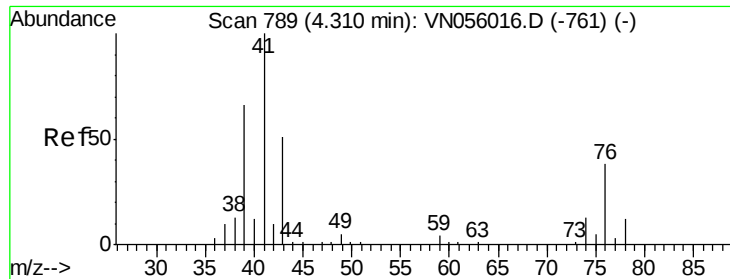
78 9.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 19.734 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

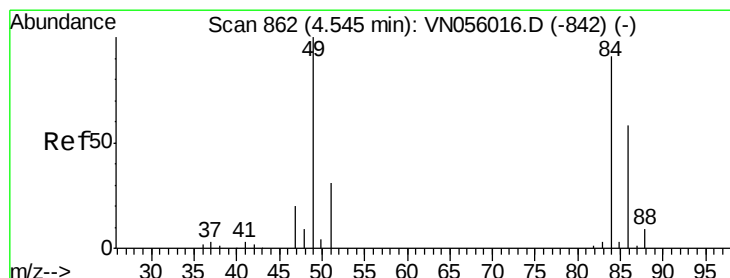
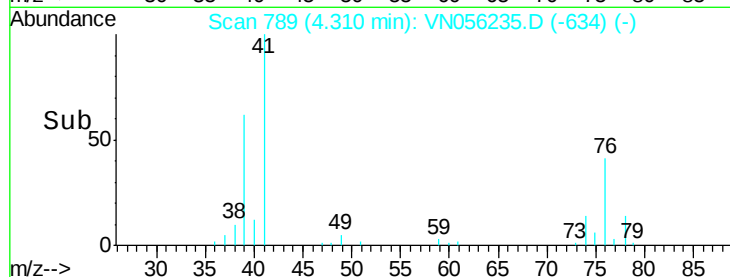
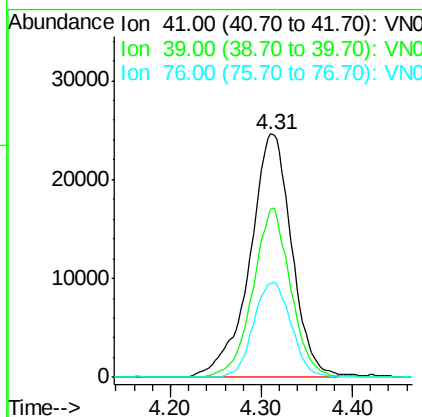
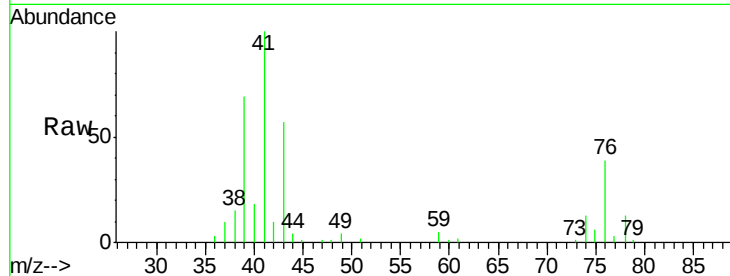
ClientSampleId :

VSTDCCC020

Tot Ion:	41	Resp:	78698
Ion	Ratio	Lower	Upper
41	100		
39	69.1	33.0	99.0
76	38.7	18.9	56.9

Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:42:05 AM



#18

Methylene Chloride

Concen: 19.722 ug/l

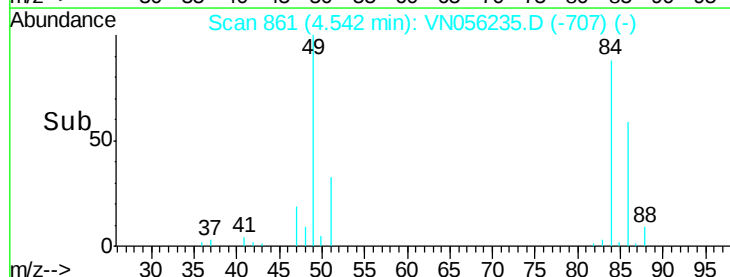
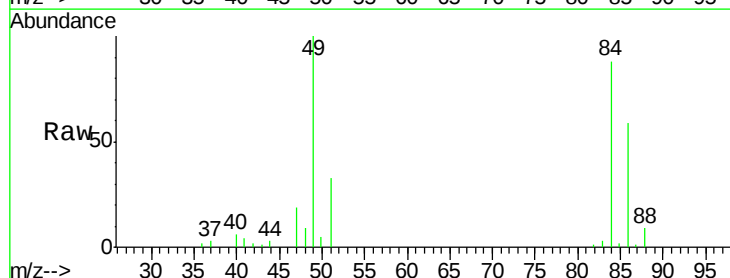
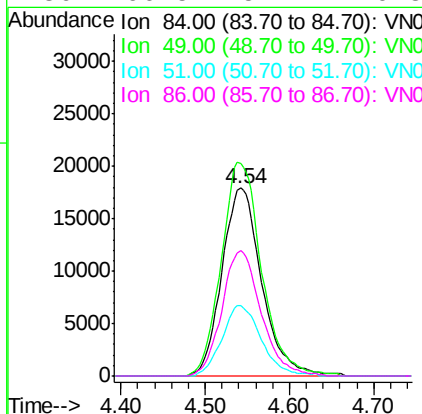
RT: 4.54 min Scan# 861

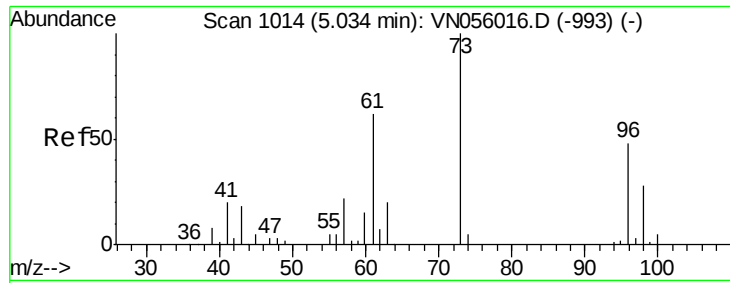
Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Tgt Ion:	84	Resp:	58766
Ion	Ratio	Lower	Upper
84	100		
49	112.1	87.6	131.4
51	37.6	27.0	40.4
86	66.5	51.2	76.8





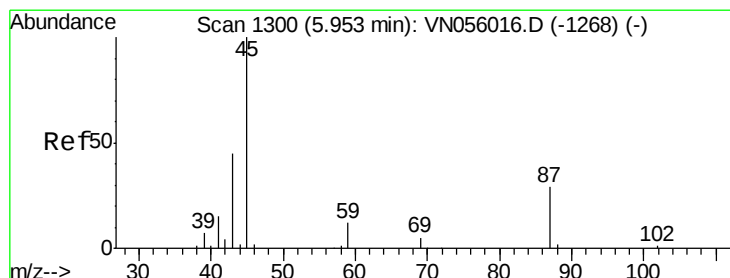
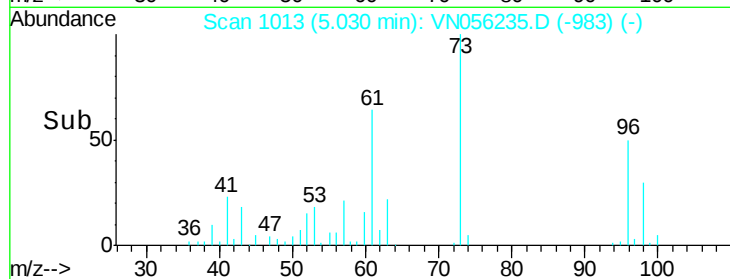
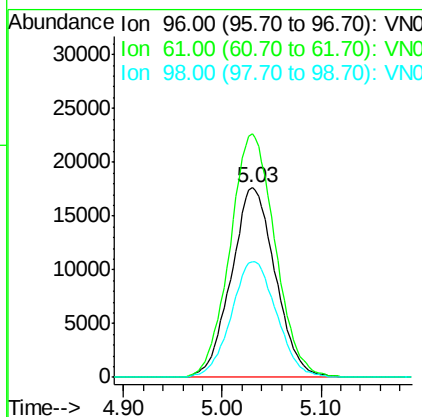
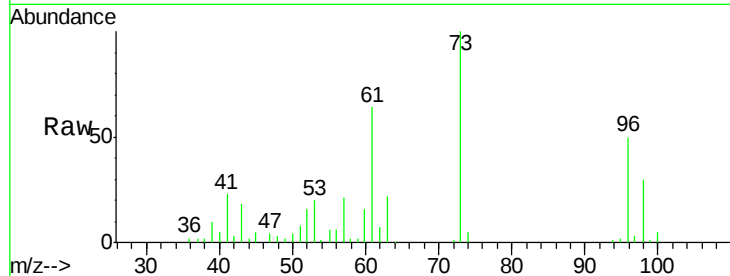
#19
trans-1,2-Dichloroethene
Concen: 19.934 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	127.6	102.5	153.7	
98	61.2	46.9	70.3	

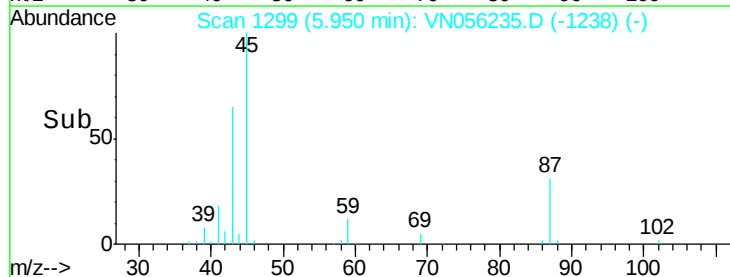
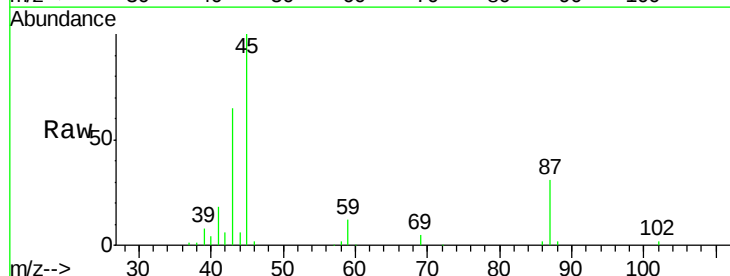
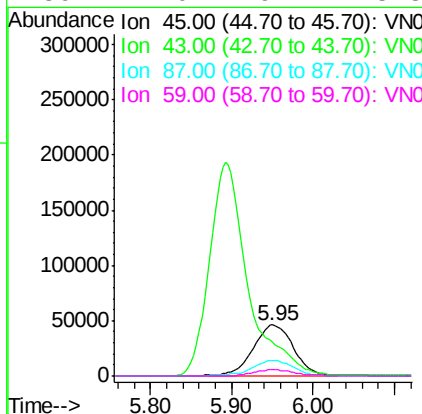
Manual Integrations
APPROVED

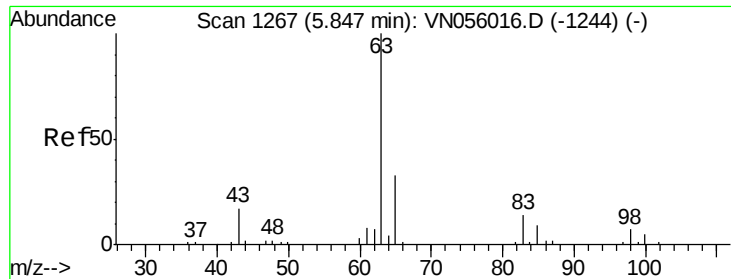
MMDadoda
6/13/2019 9:42:05 AM



#20
Diisopropyl ether
Concen: 19.444 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	61.7	48.0	72.0	
87	30.1	23.4	35.2	
59	12.0	9.2	13.8	





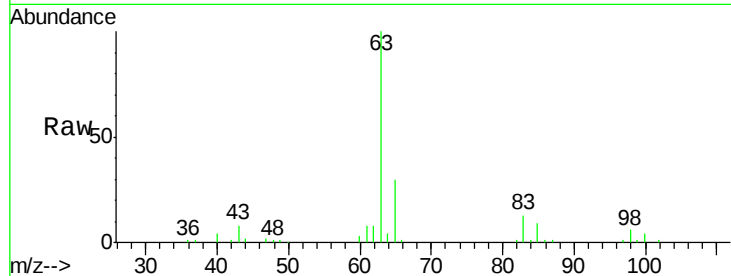
#21
1,1-Dichloroethane
Concen: 20.014 ug/l
RT: 5.84 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

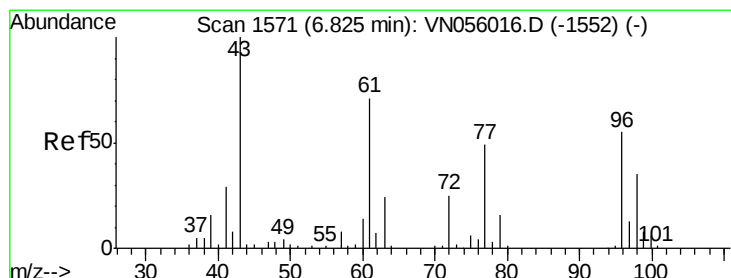
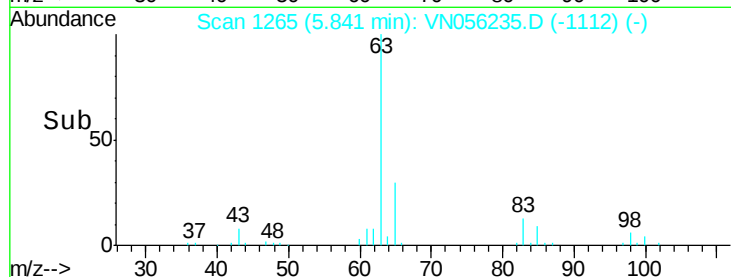
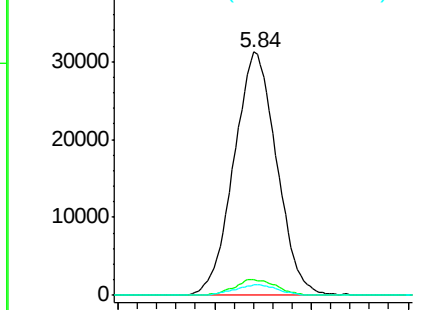
Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.4	3.5	10.5
100	4.3	2.3	6.9

Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:42:05 AM

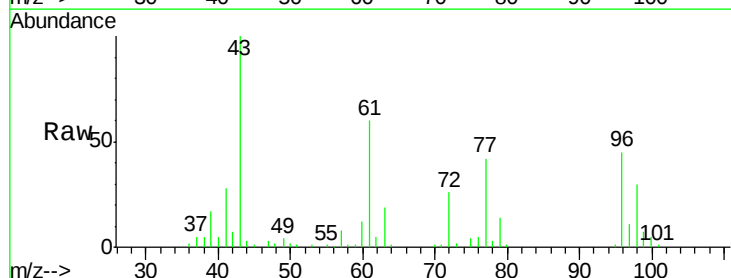


Abundance Ion 63.00 (62.70 to 63.70): VN056235.D (-1112) (-)
Ion 98.00 (97.70 to 98.70): VN056235.D (-1112) (-)
Ion 100.00 (99.70 to 100.70): VN056235.D (-1112) (-)

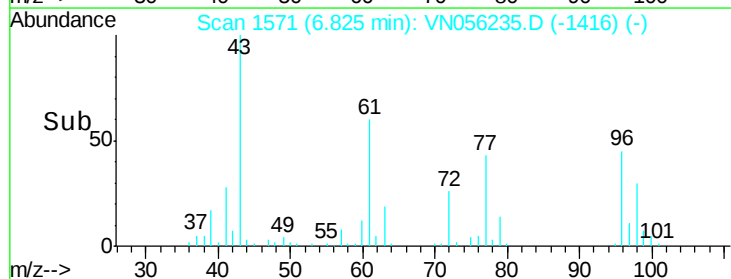
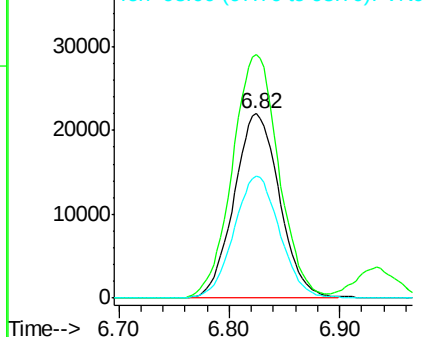


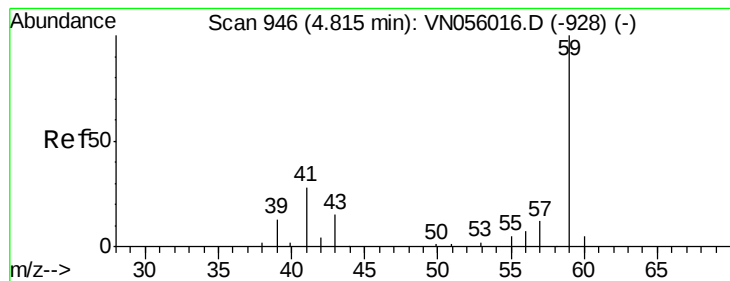
#22
cis-1,2-Dichloroethene
Concen: 19.629 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	134.4	105.7	158.5
98	66.4	52.0	78.0



Abundance Ion 96.00 (95.70 to 96.70): VN056235.D (-1416) (-)
Ion 61.00 (60.70 to 61.70): VN056235.D (-1416) (-)
Ion 98.00 (97.70 to 98.70): VN056235.D (-1416) (-)





#23

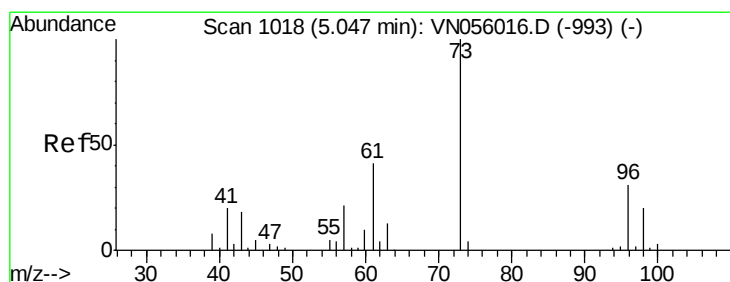
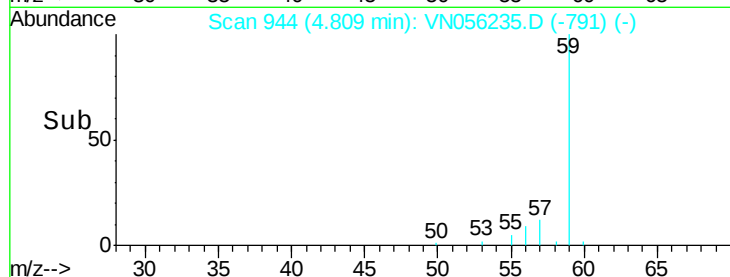
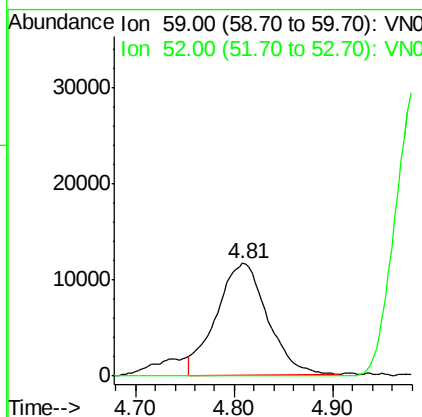
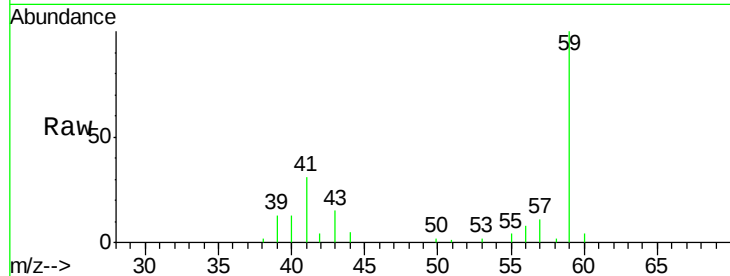
tert-Butyl Alcohol
 Concen: 77.869 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	59	52	Ratio	Lower	Upper
Resp:	41806				
Ion	100	0.0			
Ratio					
Lower		0.0			
Upper		0.0			

Manual Integrations
 APPROVED

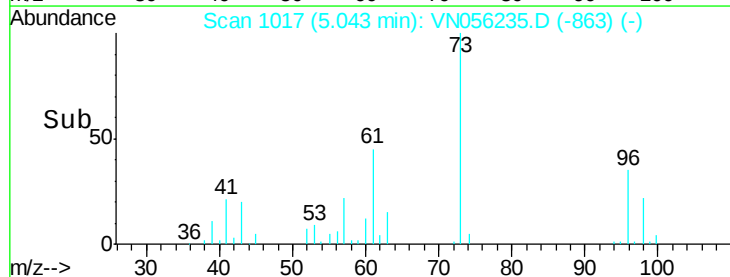
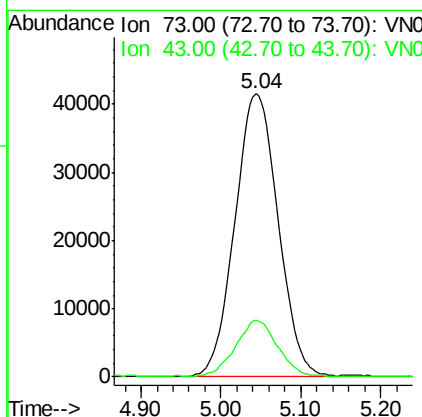
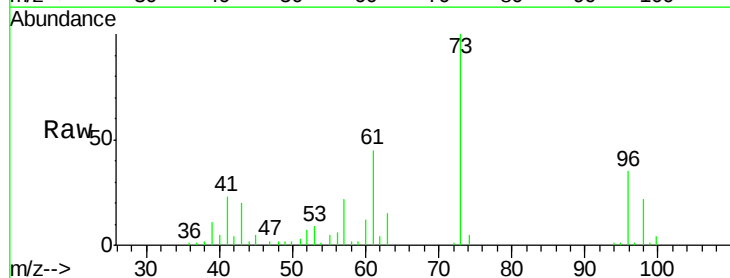
MMDadoda
 6/13/2019 9:42:05 AM

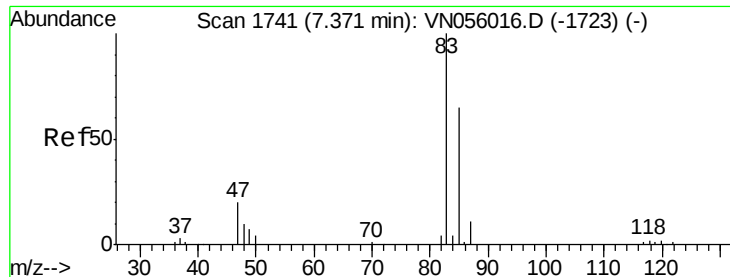


#24

Methyl tert-Butyl Ether
 Concen: 18.662 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion	73	43	Ratio	Lower	Upper
Resp:	153082				
Ion	100	19.6			
Ratio					
Lower		15.4			
Upper		23.0			





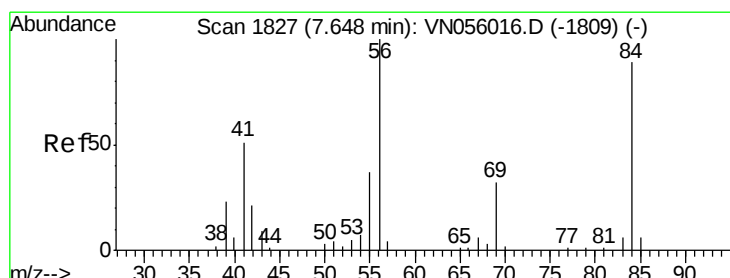
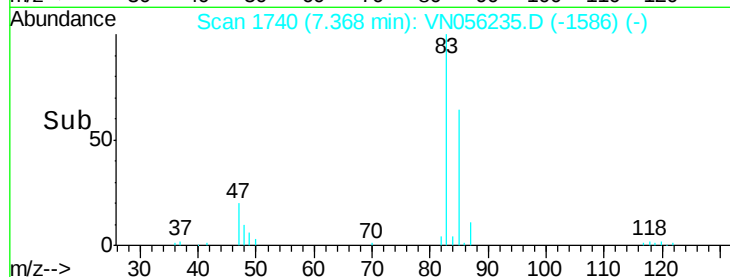
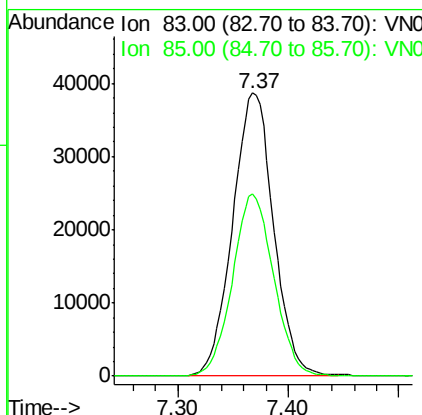
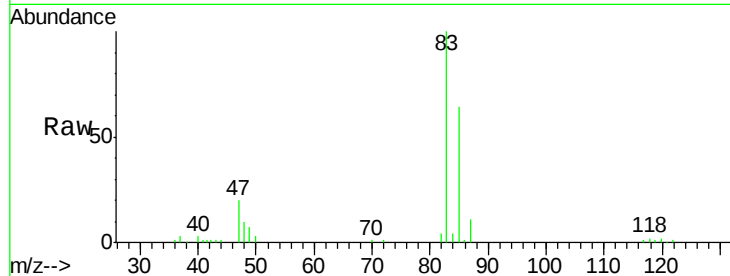
#25
Chloroform
Concen: 20.774 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	99608
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	52.0	78.0

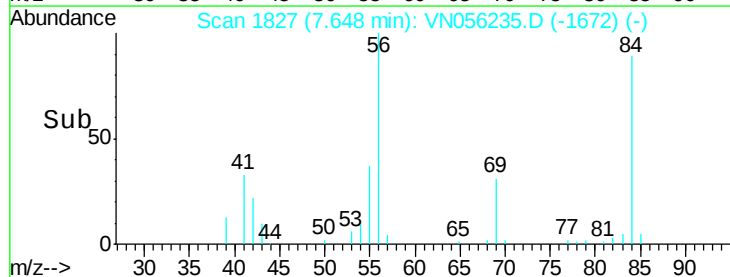
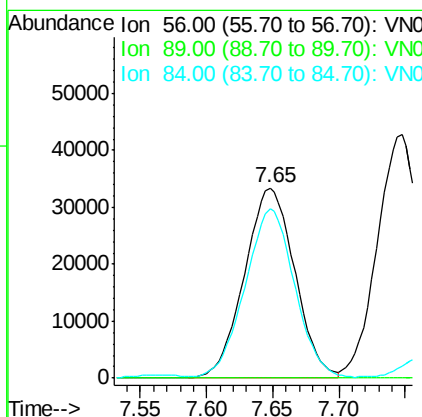
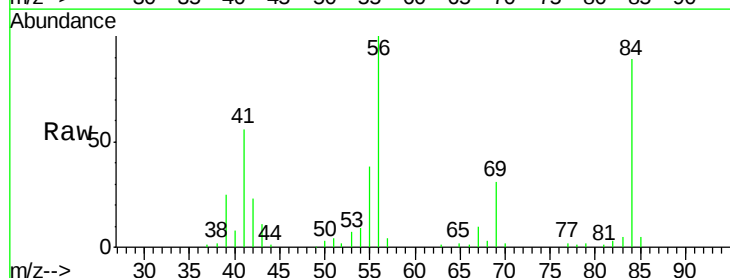
Manual Integrations
APPROVED

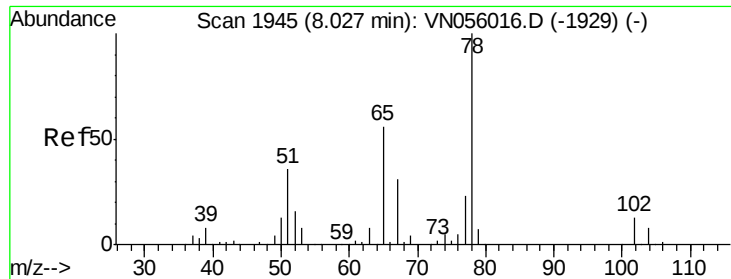
MMDadoda
6/13/2019 9:42:05 AM



#26
Cyclohexane
Concen: 19.785 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	56	Resp	88140
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	88.1	70.1	105.1





#27

1,2-Dichloroethane-d4

Concen: 29.355 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Tot Ion: 65 Resp: 89886

Ion Ratio Lower Upper

65 100

67 55.0 43.4 65.2

Instrument :

MSVOA_N

ClientSampleId :

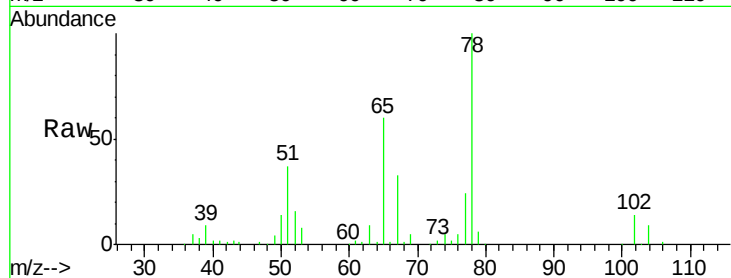
VSTDCCC020

Manual Integrations

APPROVED

MMDadoda

6/13/2019 9:42:05 AM



Abundance Ion 65.00 (64.70 to 65.70): VN056016.D (-1929) (-)

Ion 67.00 (66.70 to 67.70): VN056016.D (-1929) (-)

8.02

40000

30000

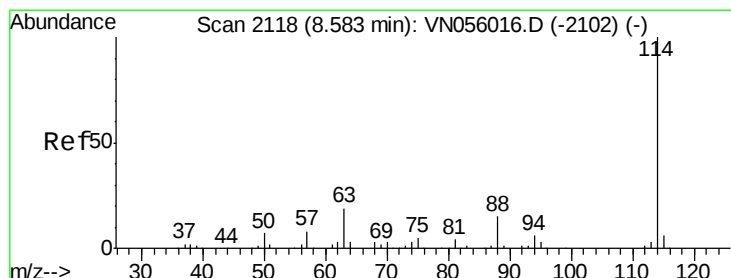
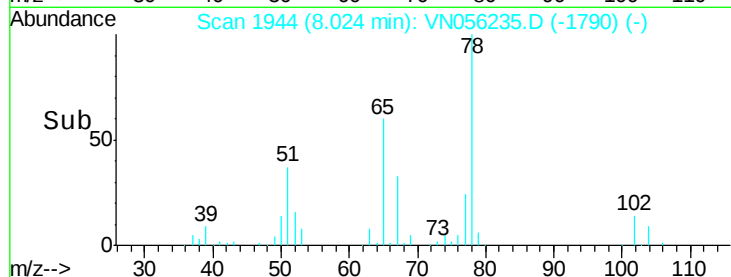
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

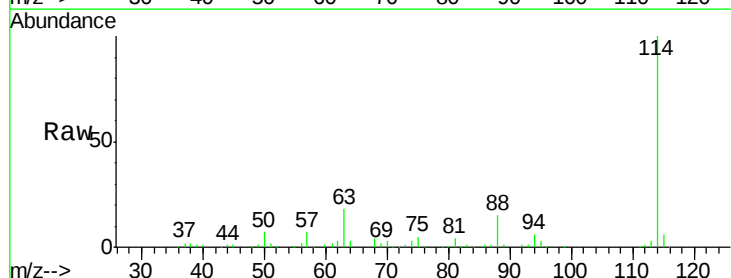
Tgt Ion: 114 Resp: 246385

Ion Ratio Lower Upper

114 100

63 18.8 14.7 22.1

88 15.1 11.9 17.9



Abundance Ion 114.00 (113.70 to 114.70): VN056016.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN056016.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN056016.D (-2102) (-)

8.58

150000

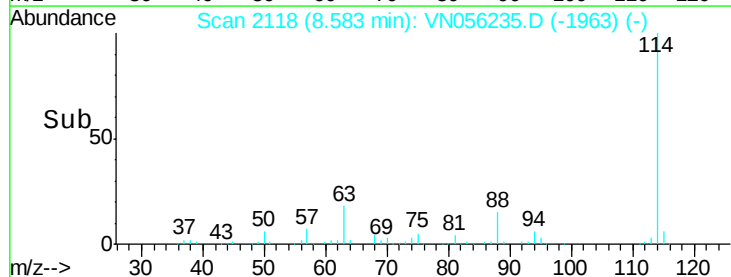
100000

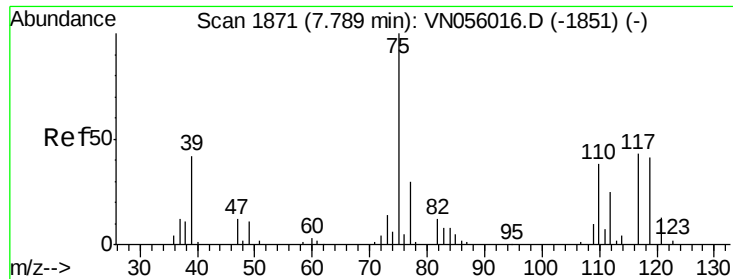
50000

0

8.50 8.60 8.70

Time-->





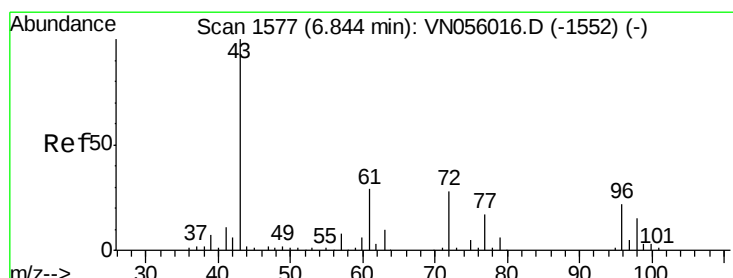
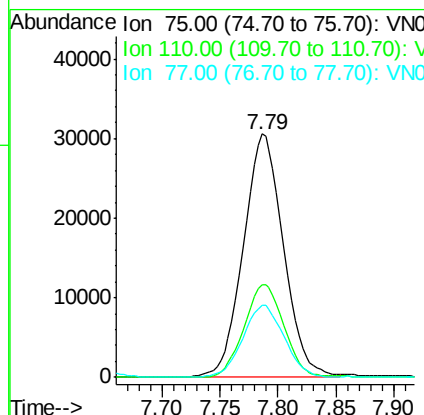
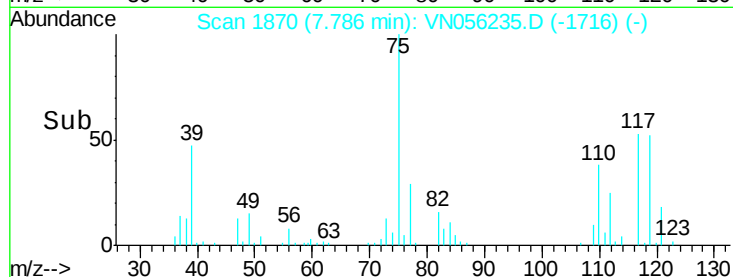
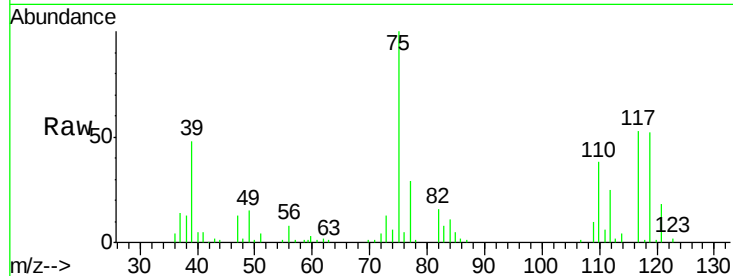
#29
 1,1-Dichloropropene
 Concen: 22.133 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.9	0.0	77.0
77	30.4	0.0	62.4

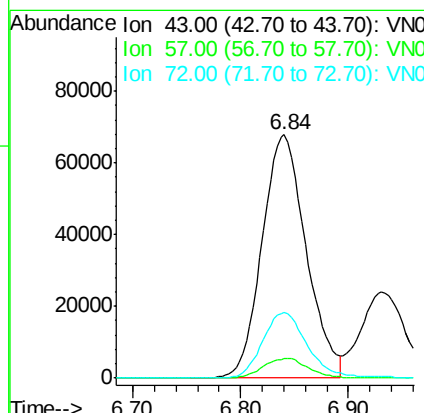
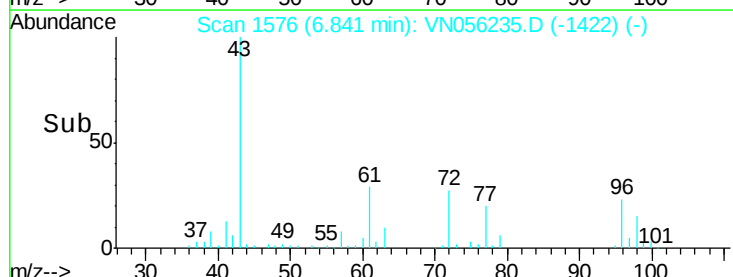
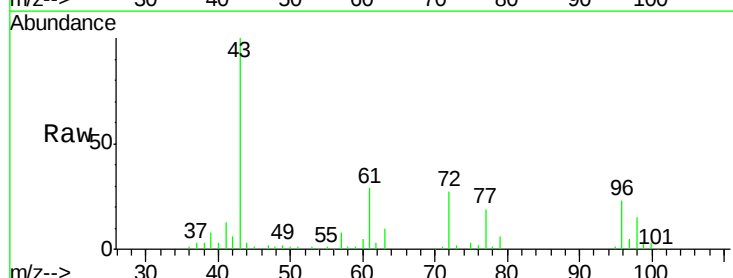
Manual Integrations
 APPROVED

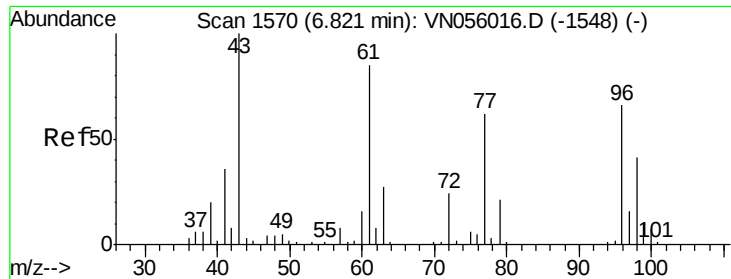
MMDadoda
 6/13/2019 9:42:05 AM



#30
 2-Butanone
 Concen: 109.367 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.7	10.1
72	27.6	22.4	33.6





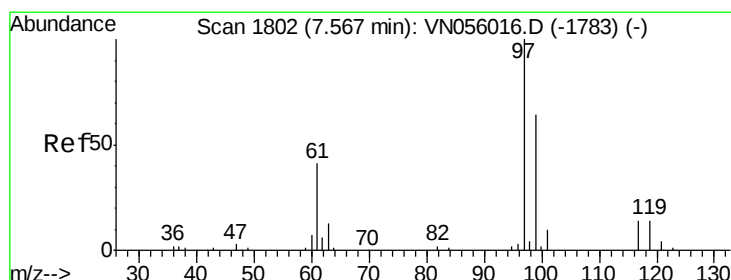
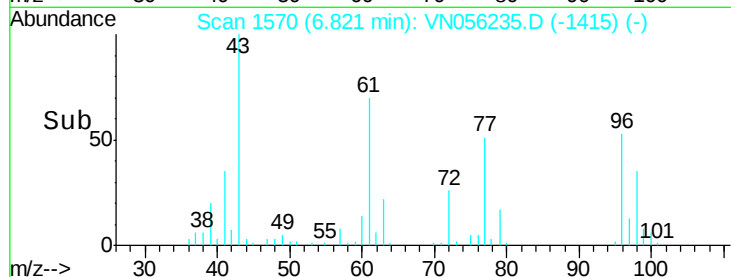
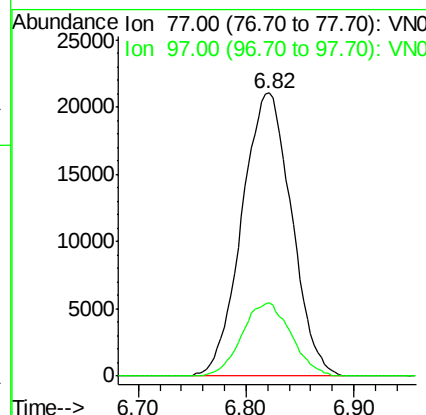
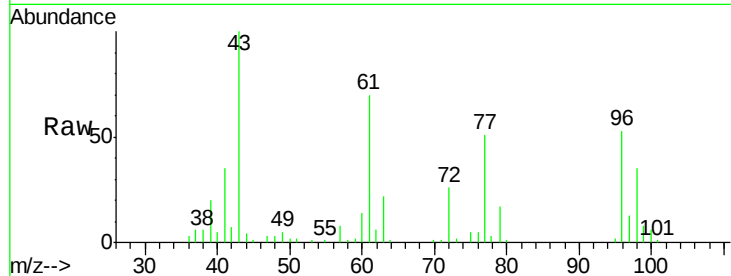
#31
 2,2-Dichloropropane
 Concen: 21.737 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 67395
 Ion Ratio Lower Upper
 77 100
 97 25.6 20.8 31.2

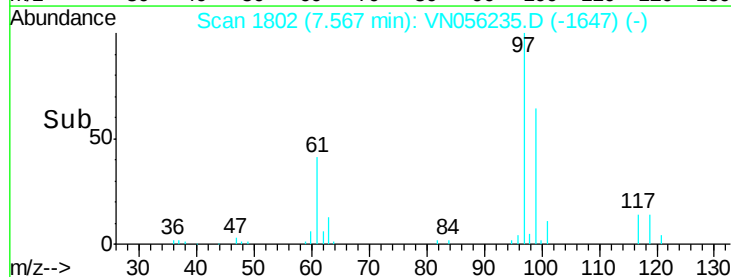
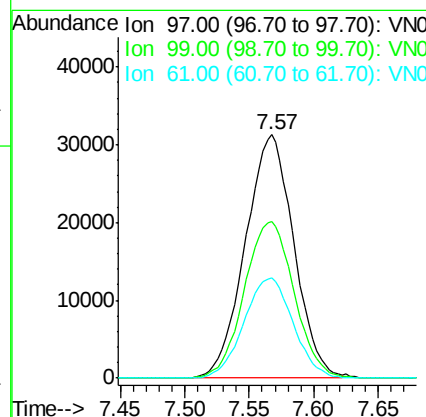
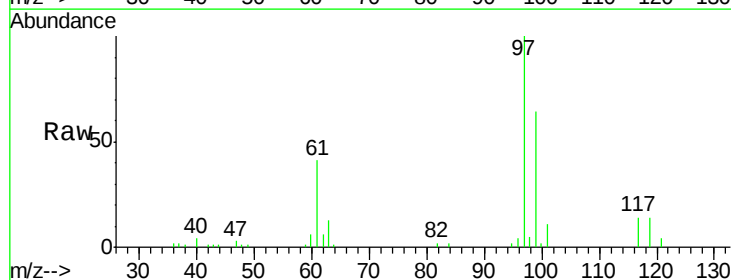
Manual Integrations
 APPROVED

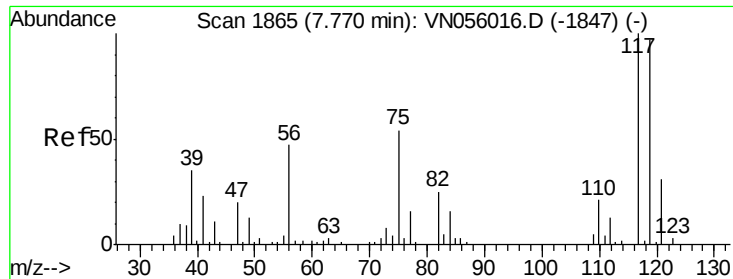
MMDadoda
 6/13/2019 9:42:05 AM



#32
 1,1,1-Trichloroethane
 Concen: 22.261 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion: 97 Resp: 81970
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.5 77.3
 61 41.6 32.9 49.3





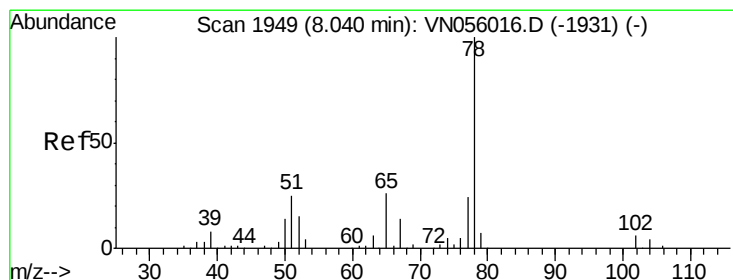
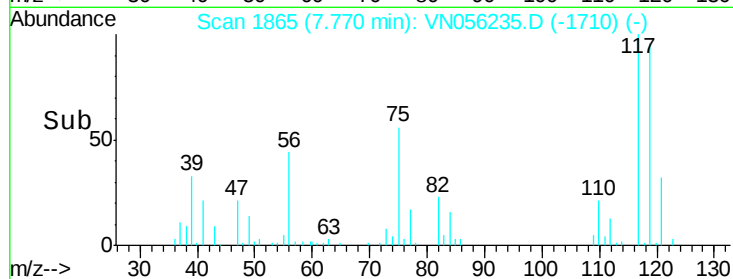
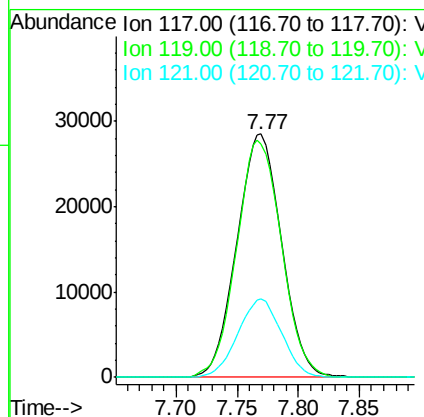
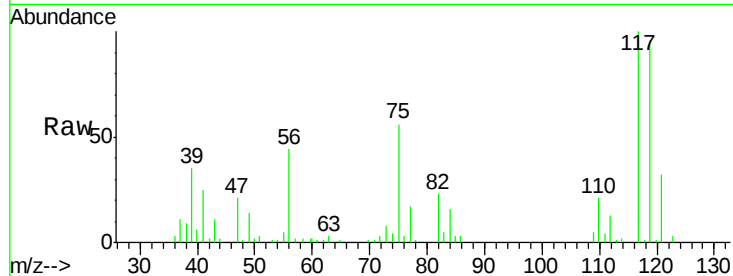
#33
Carbon Tetrachloride
Concen: 23.154 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.3	115.9
121	32.4	25.0	37.4

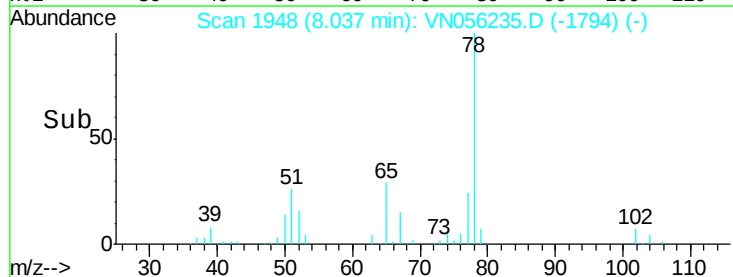
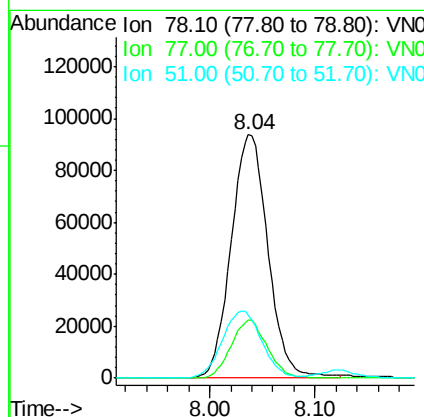
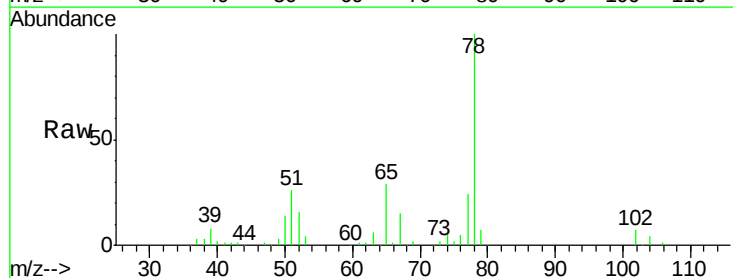
Manual Integrations
APPROVED

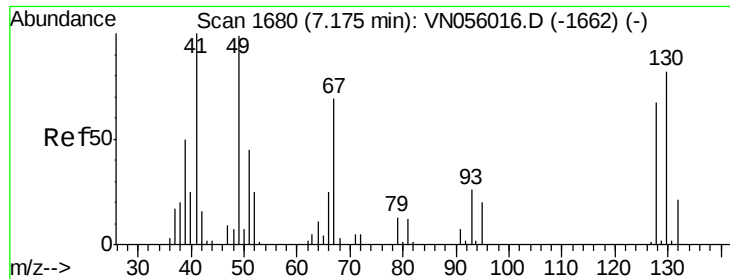
MMDadoda
6/13/2019 9:42:05 AM



#34
Benzene
Concen: 21.391 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9
51	25.8	19.8	29.8





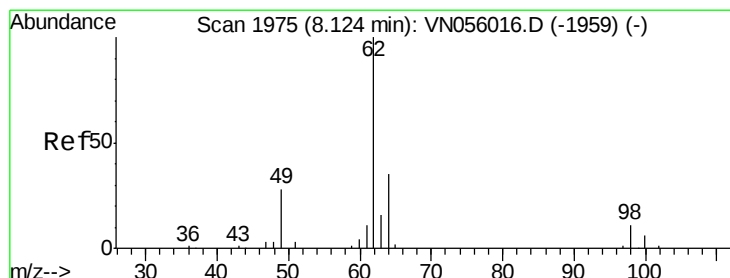
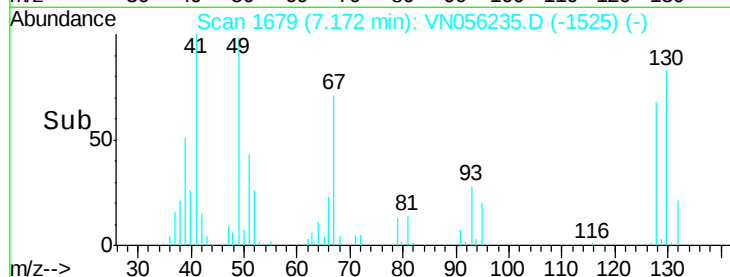
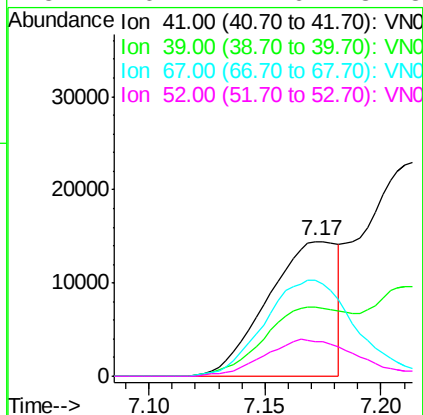
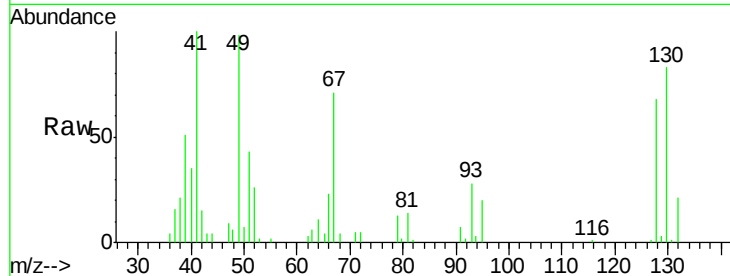
#35
Methacrylonitrile
Concen: 20.471 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	41	Resp:	30329
Ion	Ratio	Lower	Upper
41	100		
39	51.4	24.8	74.3
67	71.0	34.3	102.9
52	26.1	12.6	37.8

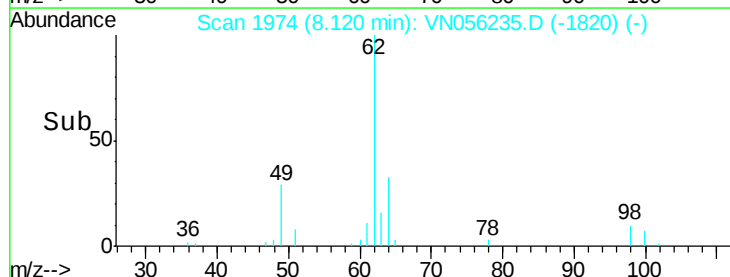
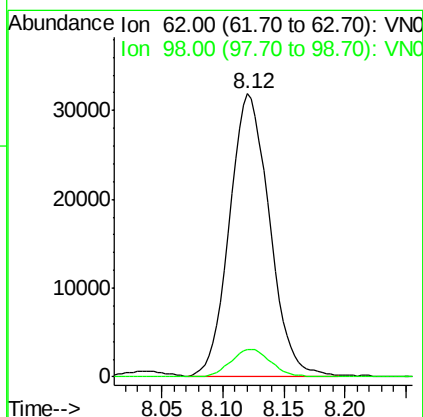
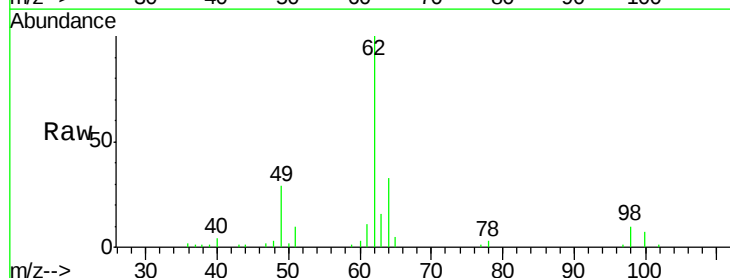
Manual Integrations
APPROVED

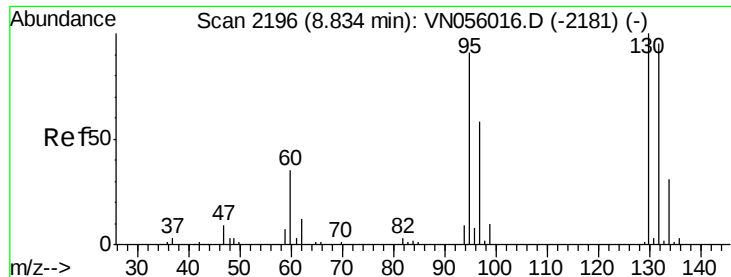
MMDadoda
6/13/2019 9:42:05 AM



#36
1,2-Dichloroethane
Concen: 21.934 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	62	Resp:	72958
Ion	Ratio	Lower	Upper
62	100		
98	9.7	8.6	13.0





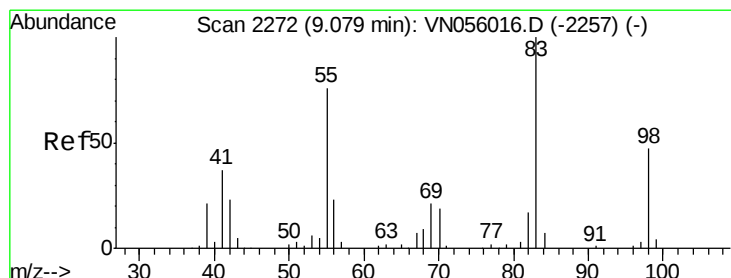
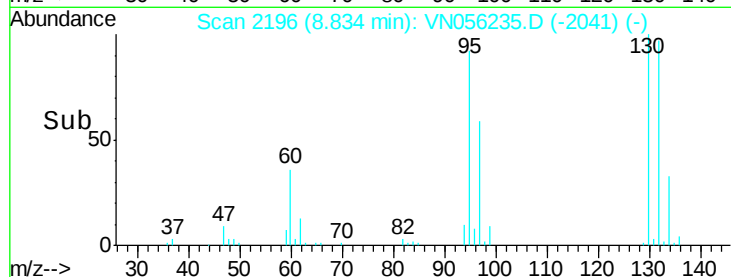
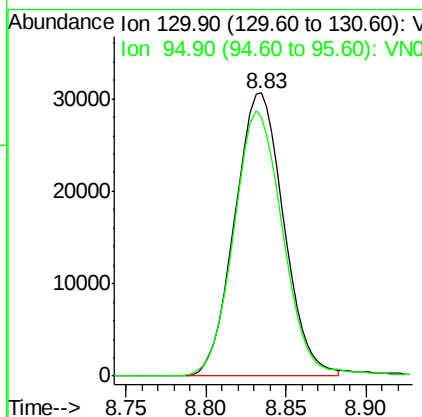
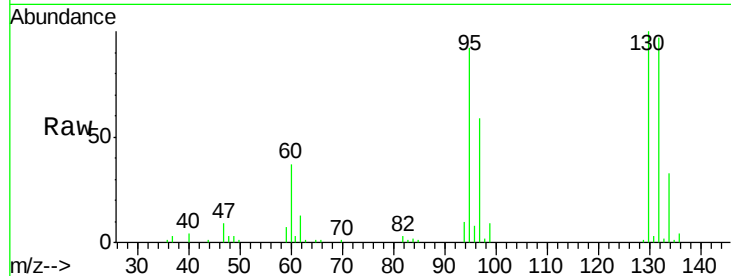
#37
 Trichloroethene
 Concen: 21.595 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 64169
 Ion Ratio Lower Upper
 130 100
 95 90.9 73.0 109.6

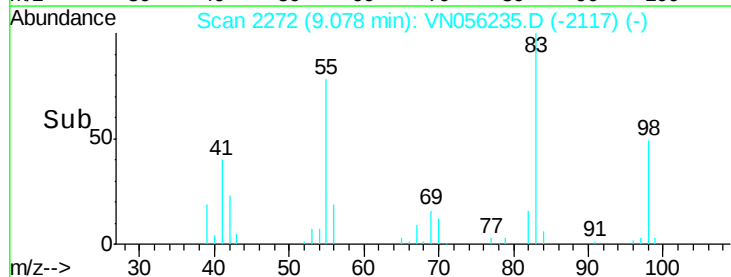
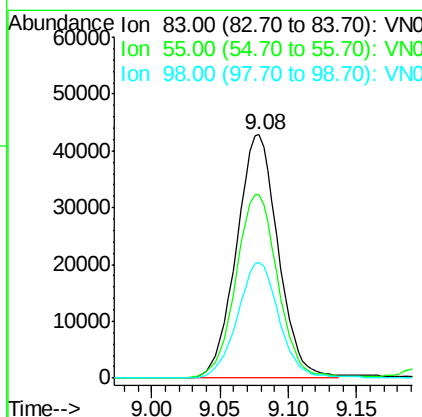
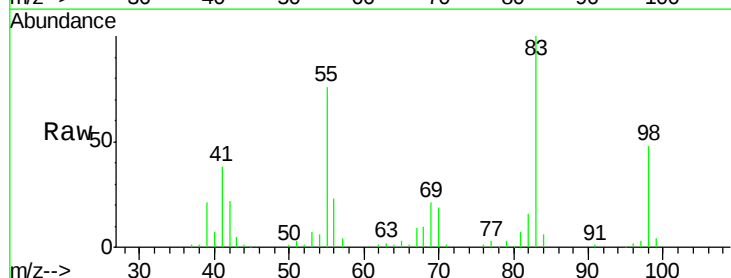
Manual Integrations
 APPROVED

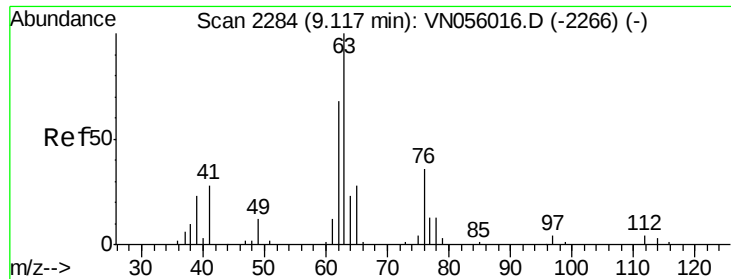
MMDadoda
 6/13/2019 9:42:05 AM



#38
 Methylcyclohexane
 Concen: 21.556 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion: 83 Resp: 91077
 Ion Ratio Lower Upper
 83 100
 55 75.1 37.5 112.7
 98 47.0 23.1 69.3





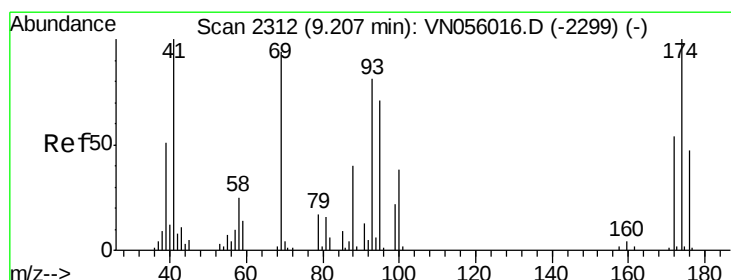
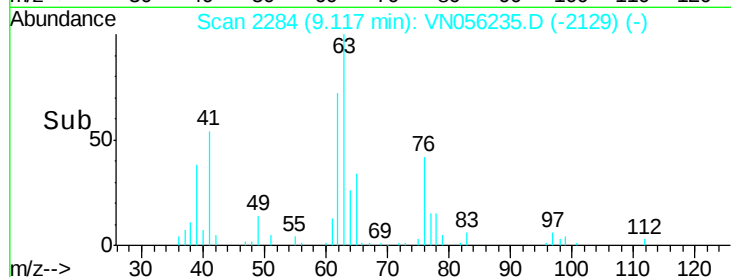
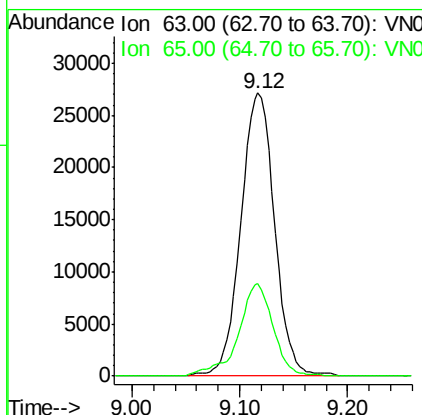
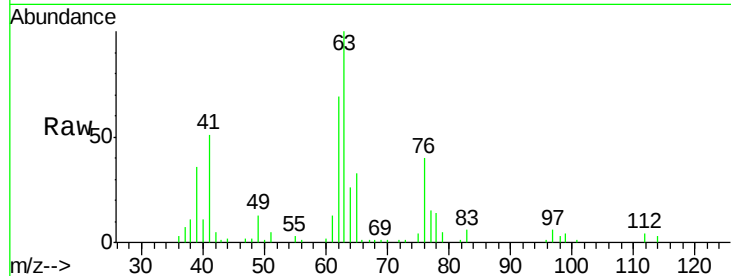
#39
 1,2-Dichloropropane
 Concen: 21.719 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 59068
 Ion Ratio Lower Upper
 63 100
 65 32.6 23.1 34.7

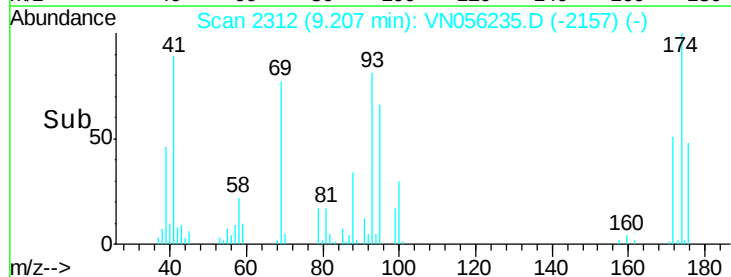
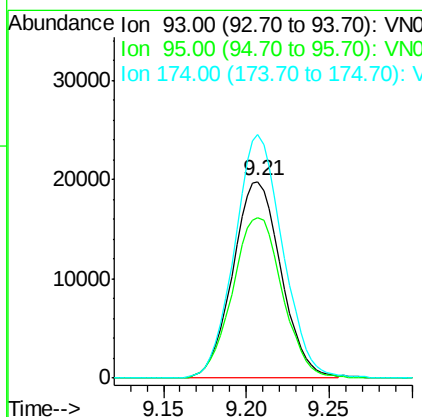
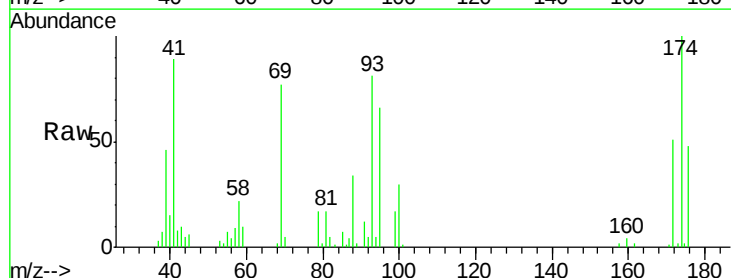
Manual Integrations
 APPROVED

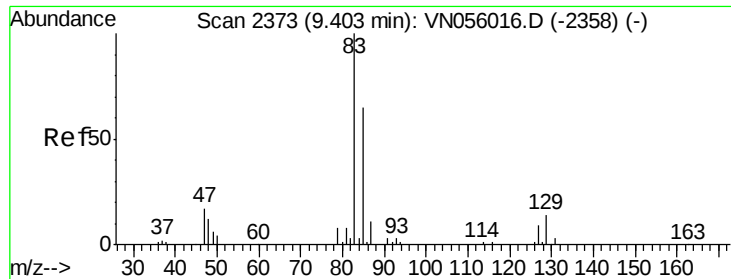
MMDadoda
 6/13/2019 9:42:05 AM



#40
 Dibromomethane
 Concen: 22.240 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion: 93 Resp: 40105
 Ion Ratio Lower Upper
 93 100
 95 84.4 0.0 169.0
 174 123.5 0.0 246.4





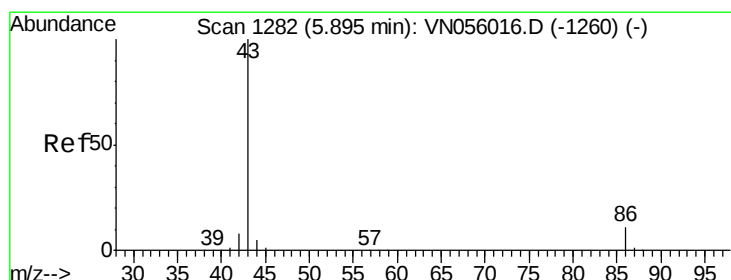
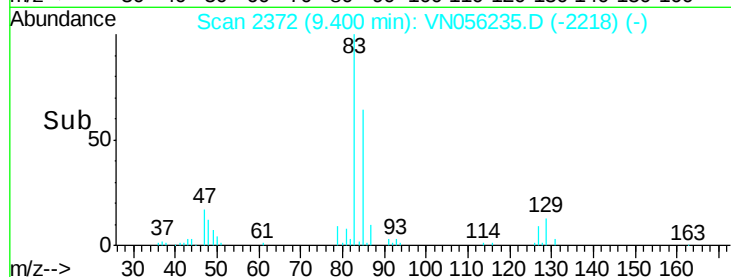
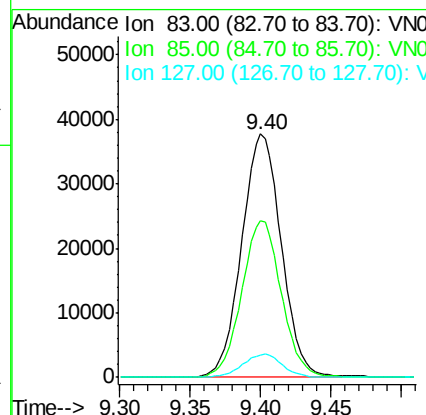
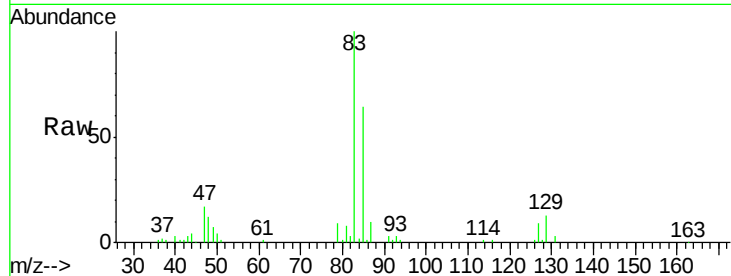
#41
Bromodichloromethane
Concen: 23.034 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	74377
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	51.8	77.6
127	9.3	7.3	10.9

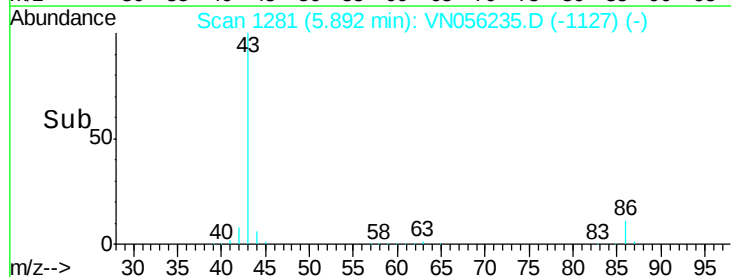
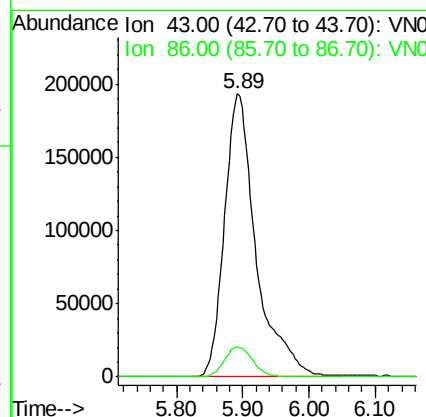
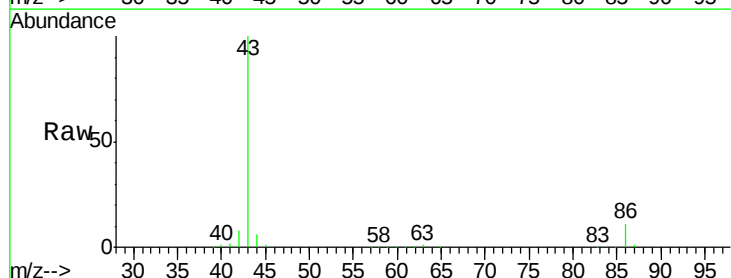
Manual Integrations
APPROVED

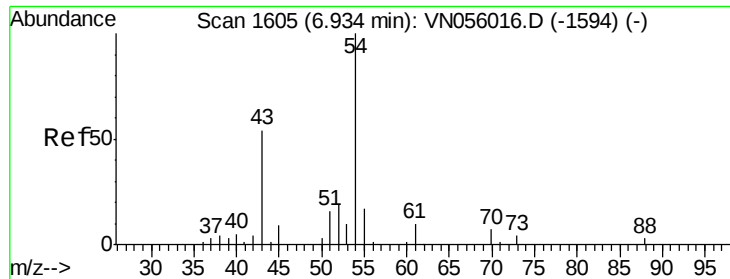
MMDadoda
6/13/2019 9:42:05 AM



#42
Vinyl Acetate
Concen: 102.645 ug/l
RT: 5.89 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	43	Resp	642064
Ion Ratio	100	Lower	Upper
43	100		
86	9.5	7.9	11.9





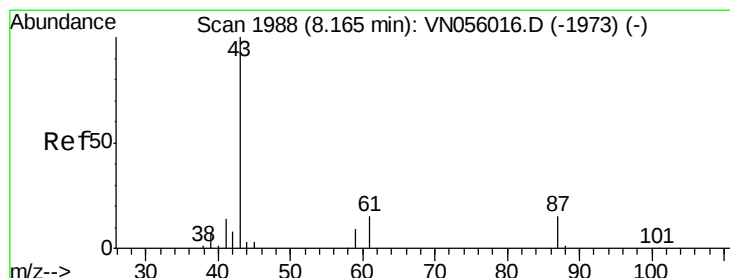
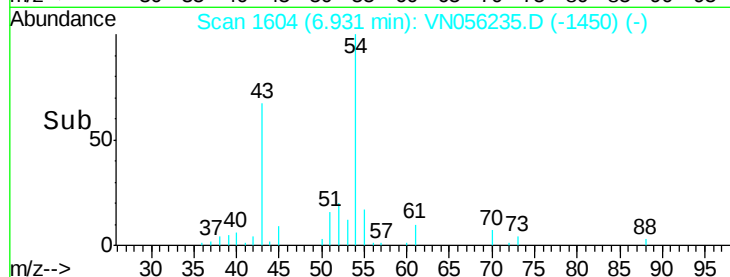
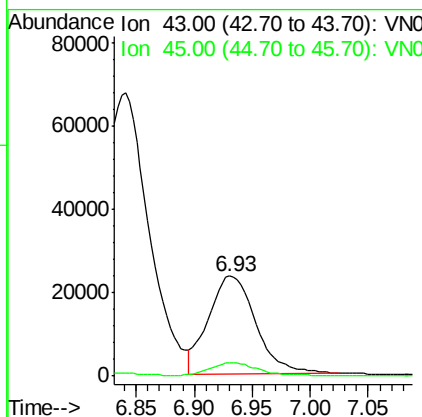
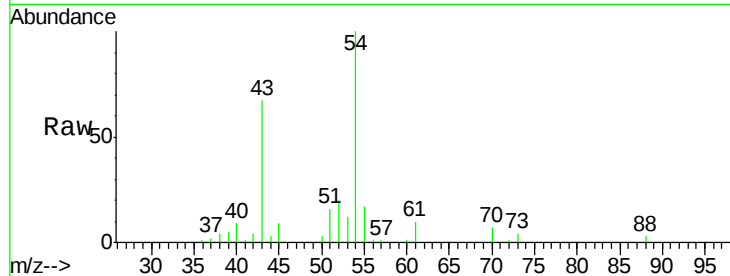
#43
Ethyl Acetate
Concen: 20.063 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	45	Ratio	100	14.0	Resp	67371	Lower	12.3	Upper	18.5
Ion	43	45	Ratio	100	14.0	Resp	67371	Lower	12.3	Upper	18.5

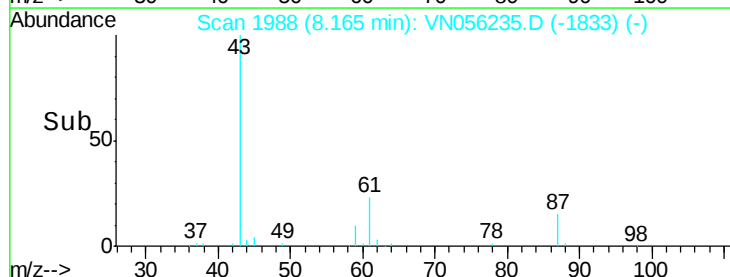
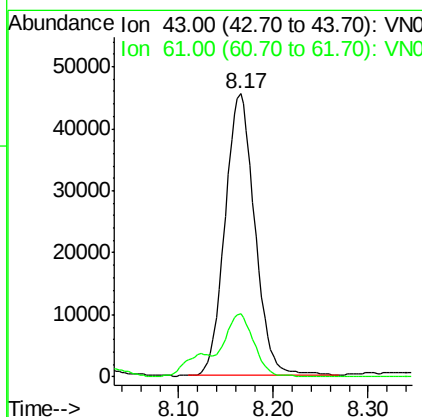
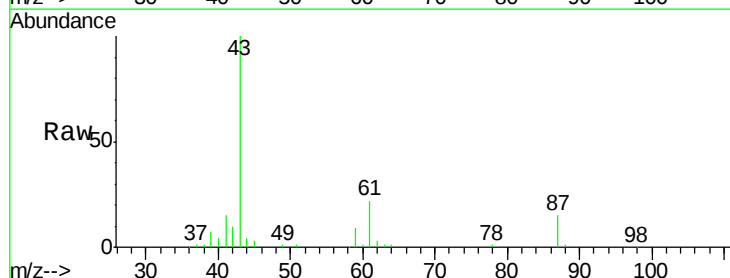
Manual Integrations
APPROVED

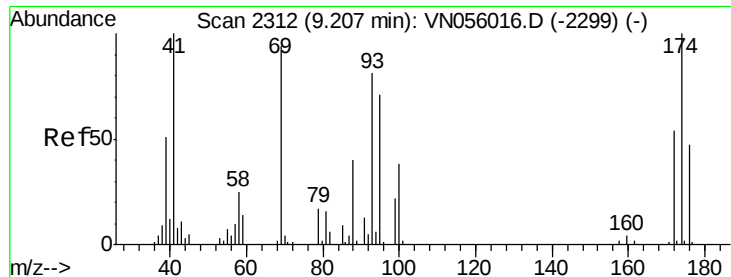
MMDadoda
6/13/2019 9:42:05 AM



#44
Isopropyl Acetate
Concen: 19.129 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	43	61	Ratio	100	22.0	Resp	99731	Lower	16.9	Upper	25.3
Ion	43	61	Ratio	100	22.0	Resp	99731	Lower	16.9	Upper	25.3





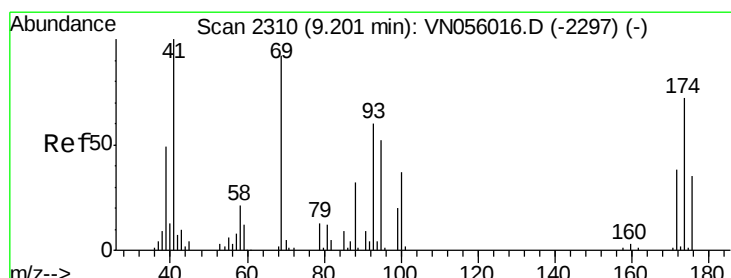
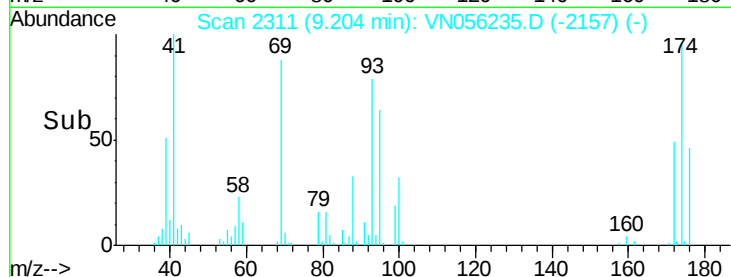
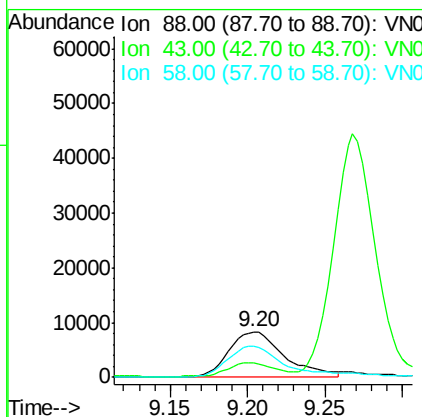
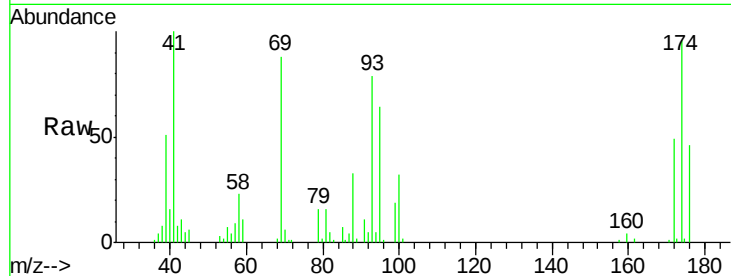
#45
 1,4-Dioxane
 Concen: 374.682 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.2	19.8	29.6
58	67.1	48.5	72.7

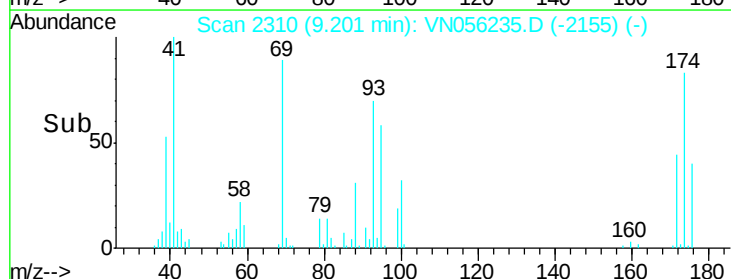
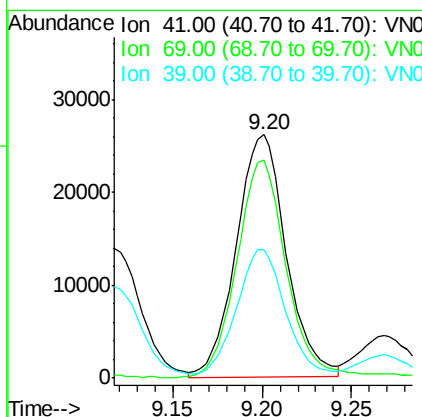
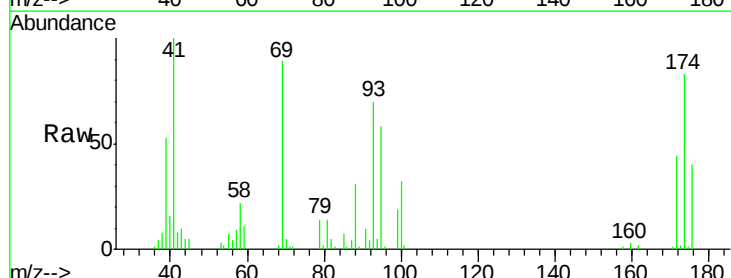
Manual Integrations
 APPROVED

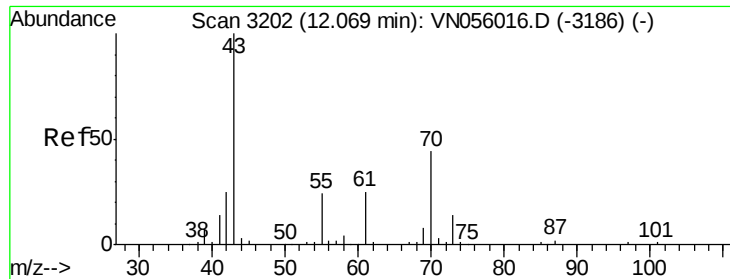
MMDadoda
 6/13/2019 9:42:05 AM



#46
 Methyl methacrylate
 Concen: 19.633 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.8	46.0	137.8
39	52.1	24.6	73.8





#47

n-amvl Acetate

Concen: 18.554 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 80000

Ion Ratio Lower Upper

43 100

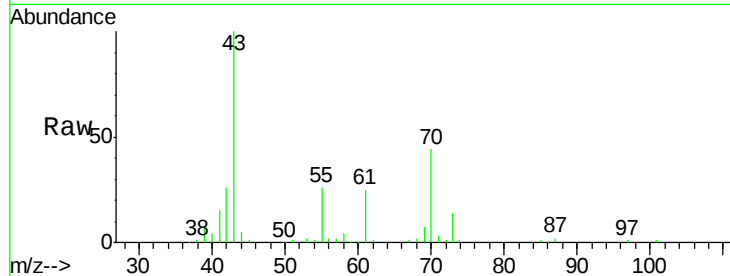
55 26.4 19.0 28.6

Manual Integrations

APPROVED

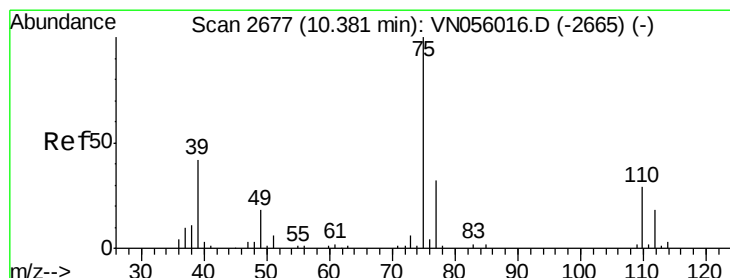
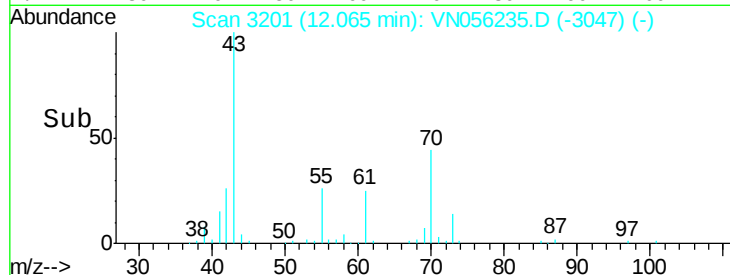
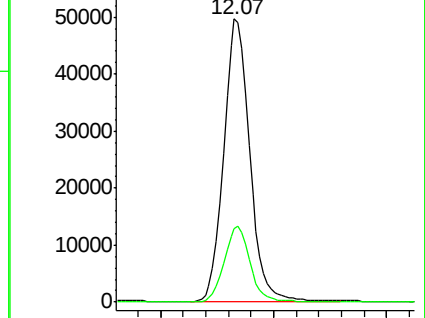
MMDadoda

6/13/2019 9:42:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 20.061 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056235.D

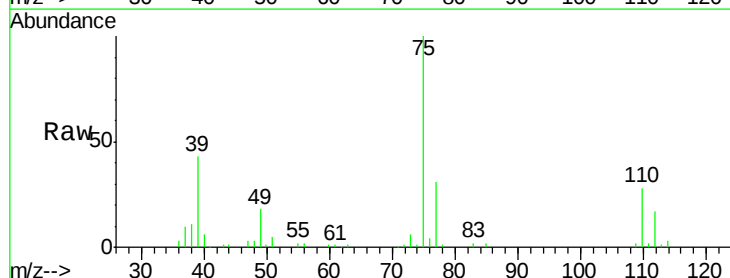
Acq: 12 Jun 2019 8:56

Tgt Ion: 75 Resp: 68171

Ion Ratio Lower Upper

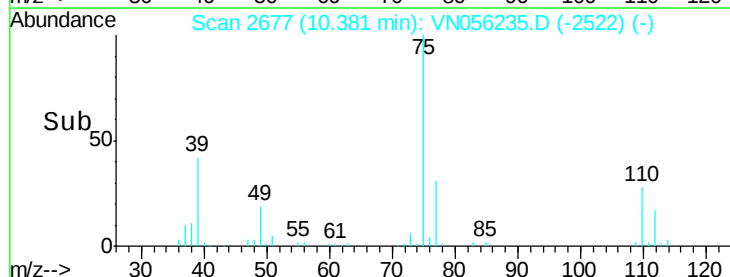
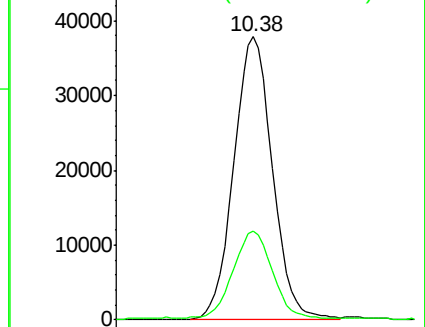
75 100

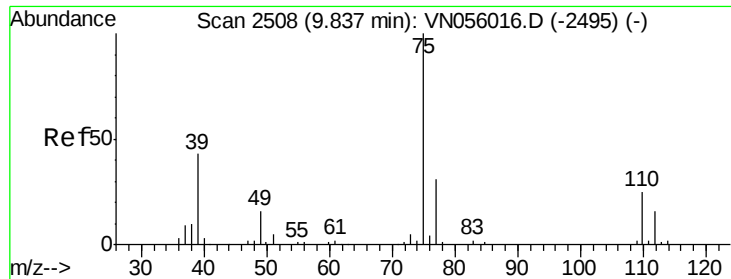
77 31.0 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





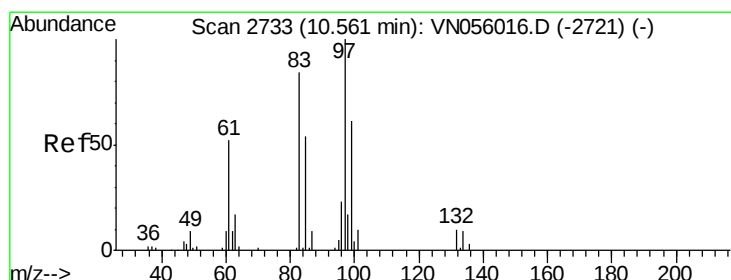
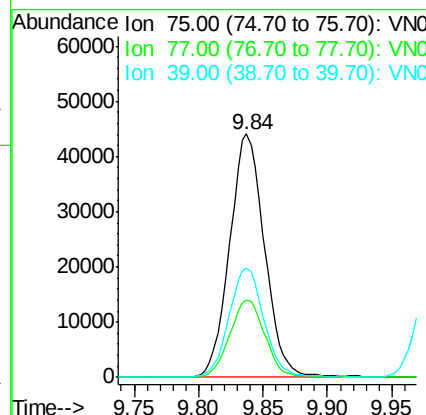
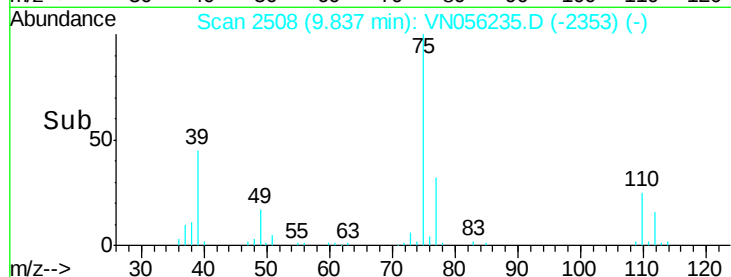
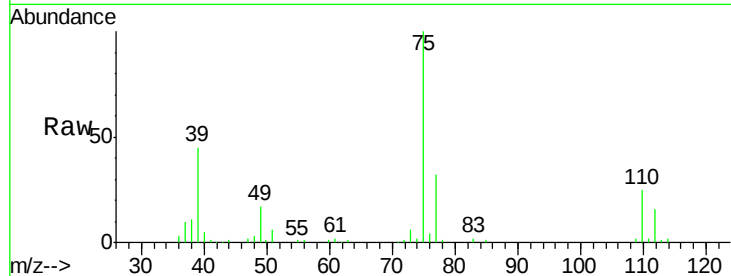
#49
 cis-1,3-Dichloropropene
 Concen: 20.821 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7
39	45.1	34.3	51.5

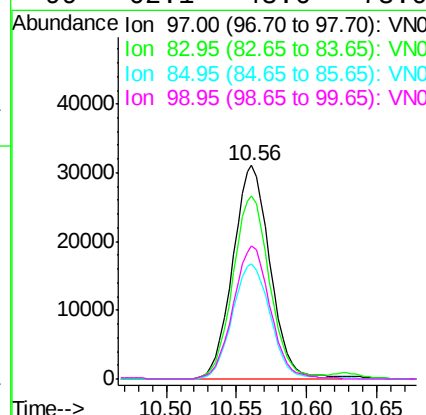
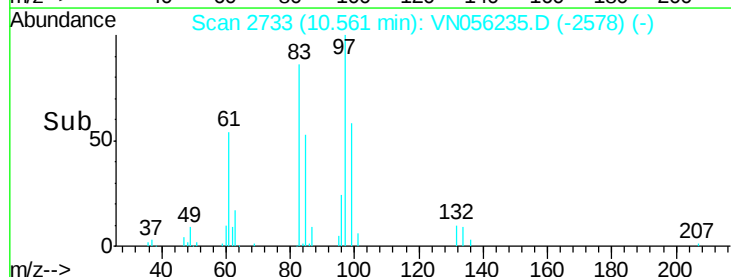
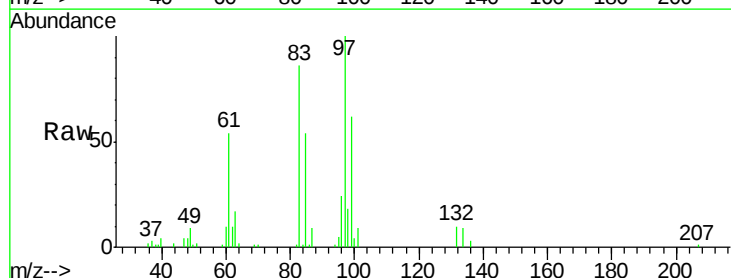
Manual Integrations
 APPROVED

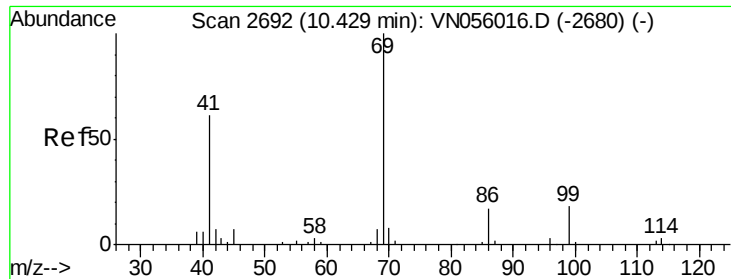
MMDadoda
 6/13/2019 9:42:05 AM



#50
 1,1,2-Trichloroethane
 Concen: 21.528 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.5	66.9	100.3
85	54.0	43.3	64.9
99	62.1	48.6	73.0





#51

Ethyl methacrylate

Concen: 19.179 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

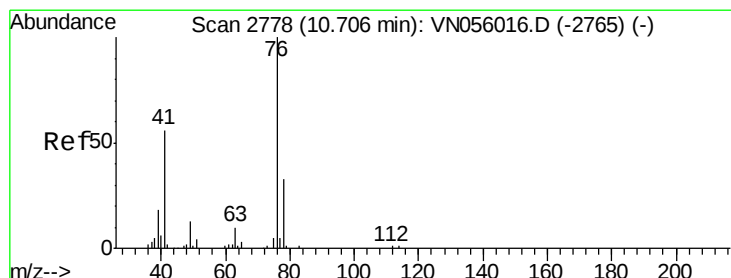
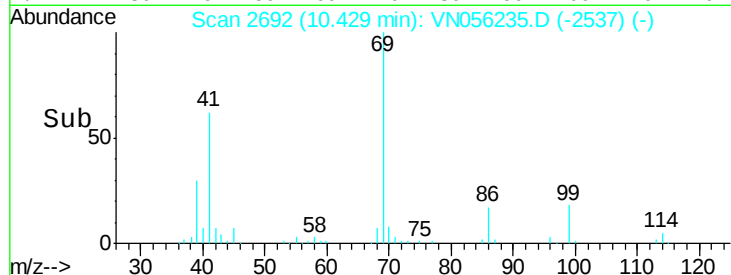
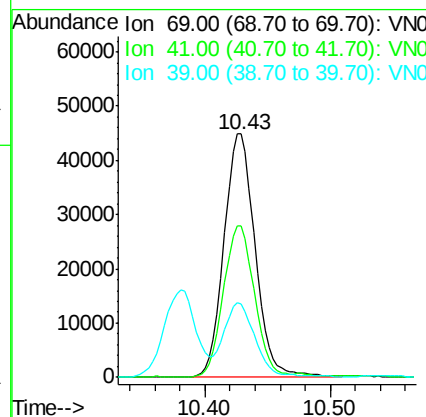
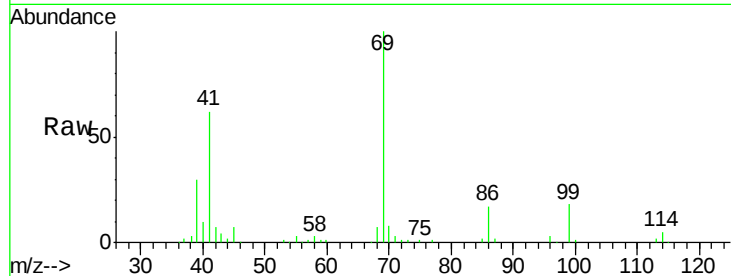
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	77716
Ion	Ratio	Lower	Upper
69	100		
41	61.6	30.8	92.3
39	29.6	14.5	43.6

Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:42:05 AM



#52

1,3-Dichloropropane

Concen: 21.250 ug/l

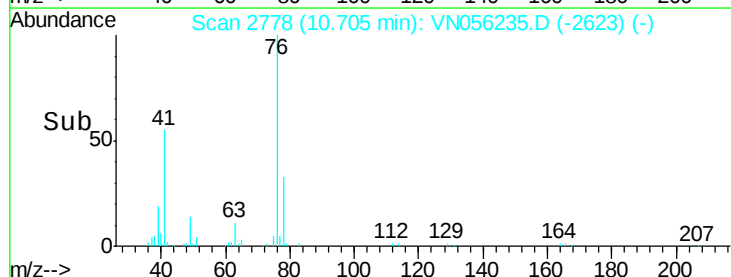
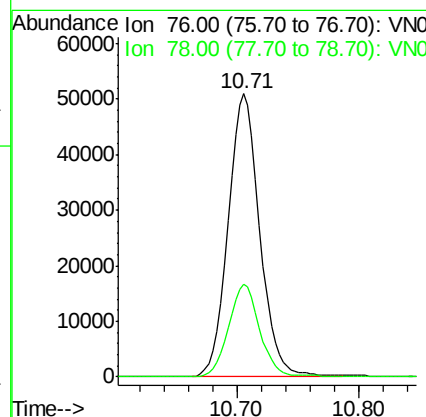
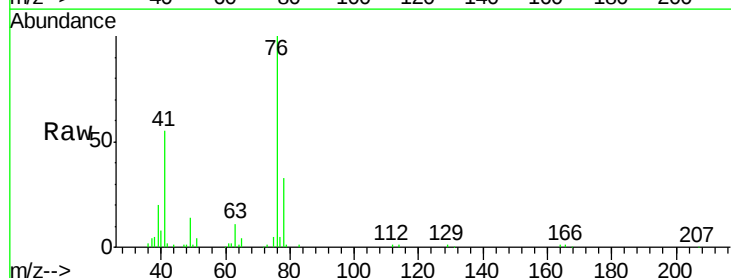
RT: 10.71 min Scan# 2778

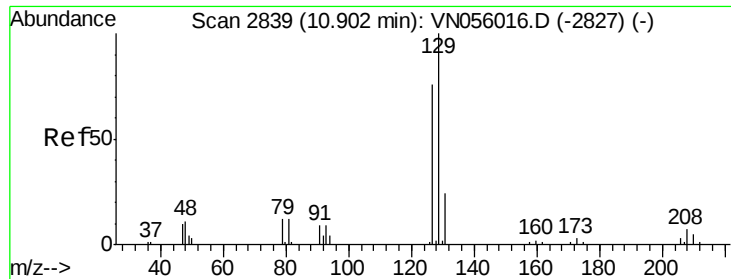
Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Tgt Ion:	76	Resp:	92269
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	63.4





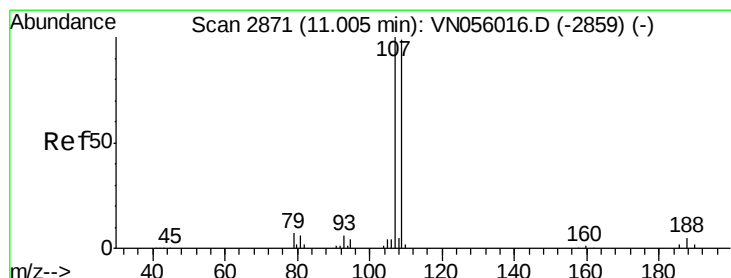
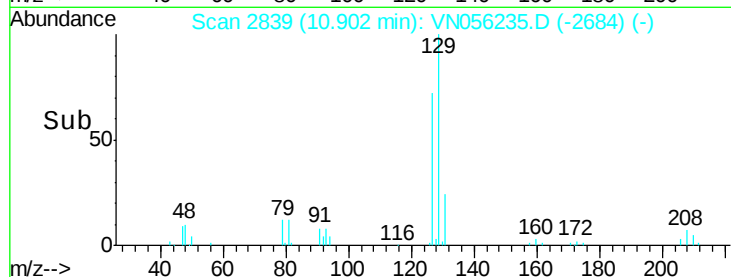
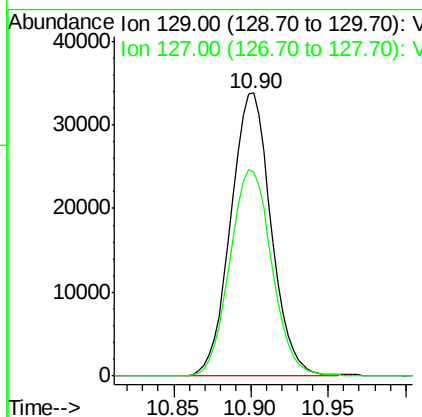
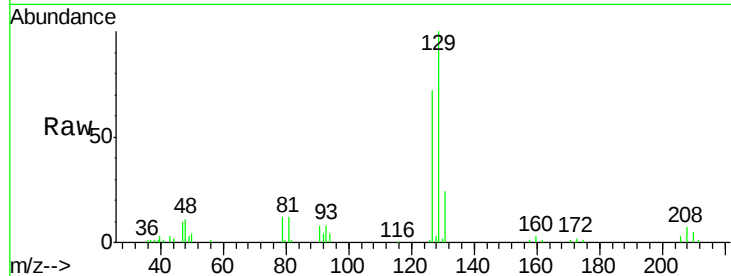
#53
Dibromochloromethane
Concen: 23.428 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:129 Resp: 61424
Ion Ratio Lower Upper
129 100
127 75.6 39.1 117.5

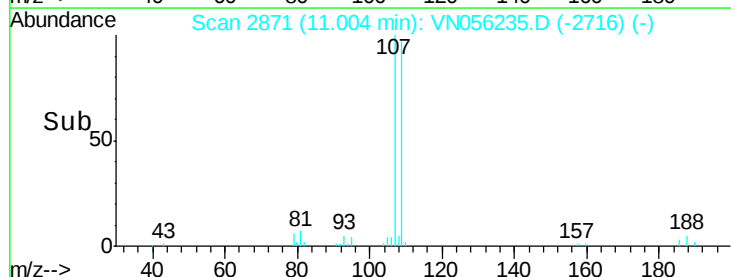
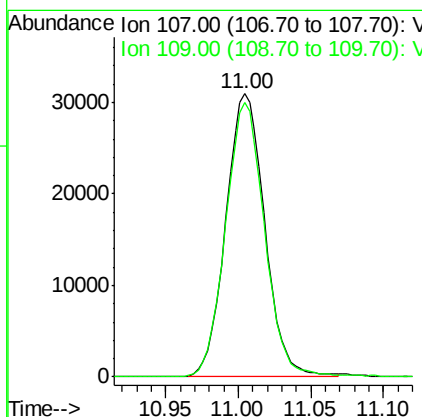
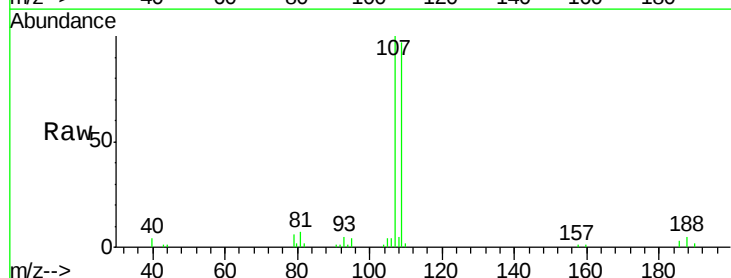
Manual Integrations
APPROVED

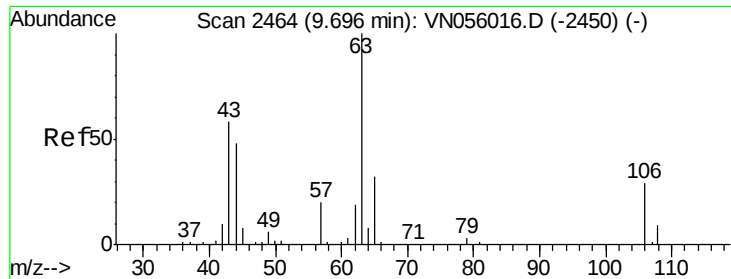
MMDadoda
6/13/2019 9:42:05 AM



#54
1,2-Dibromoethane
Concen: 20.620 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion:107 Resp: 57631
Ion Ratio Lower Upper
107 100
109 97.0 76.8 115.2





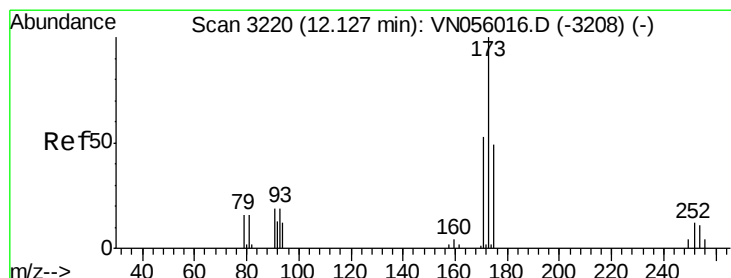
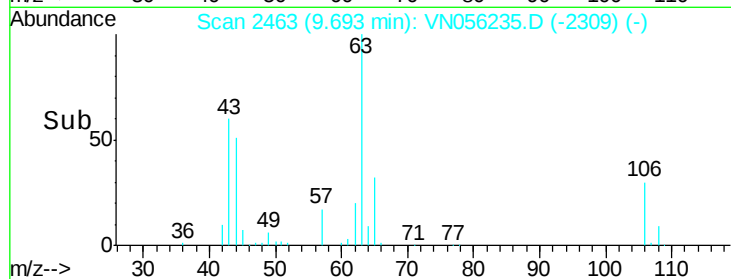
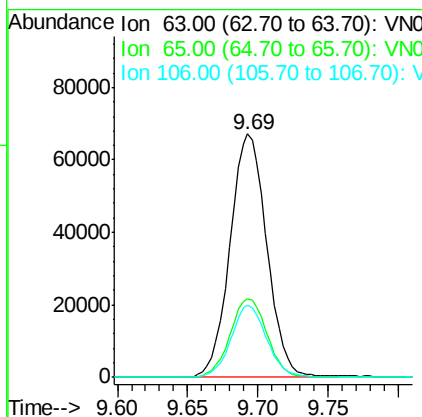
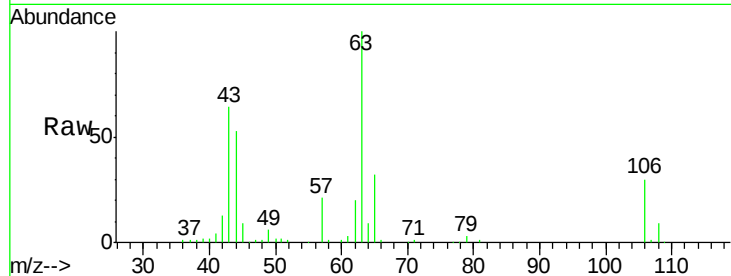
#55
2-Chloroethyl vinyl ether
Concen: 86.473 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.5	38.3
106	28.7	23.0	34.4

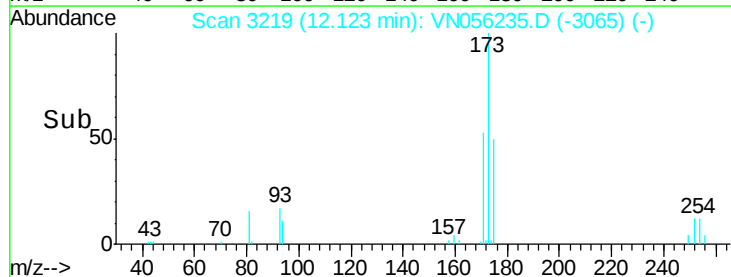
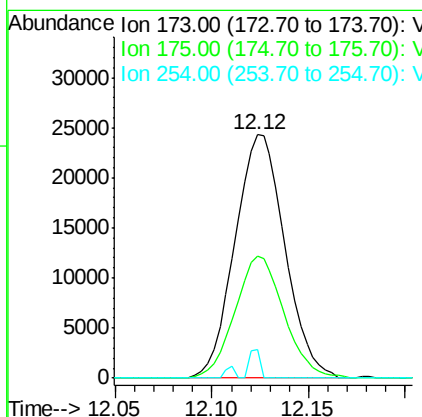
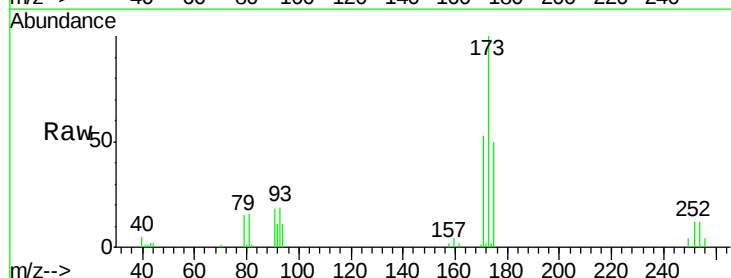
Manual Integrations
APPROVED

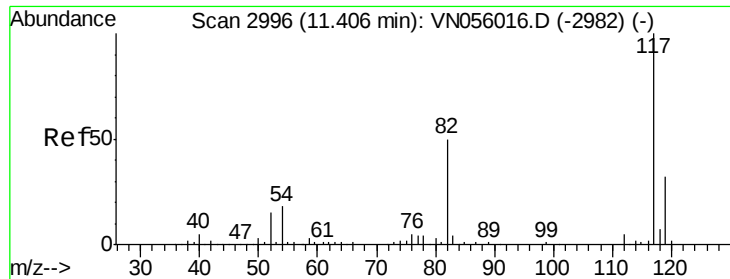
MMDadoda
6/13/2019 9:42:05 AM



#56
Bromoform
Concen: 22.996 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	38.7	58.1
254	2.5	6.6	9.8#





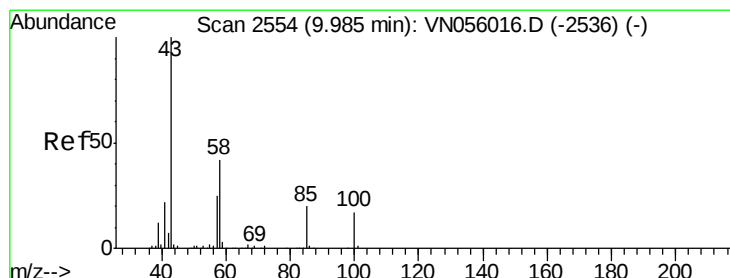
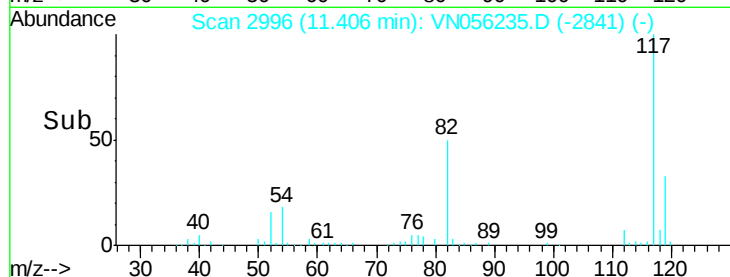
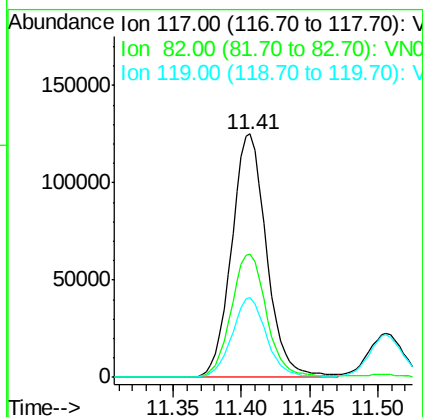
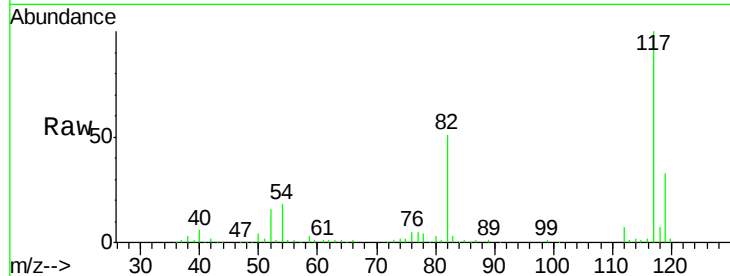
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.2	61.8
119	32.3	26.2	39.2

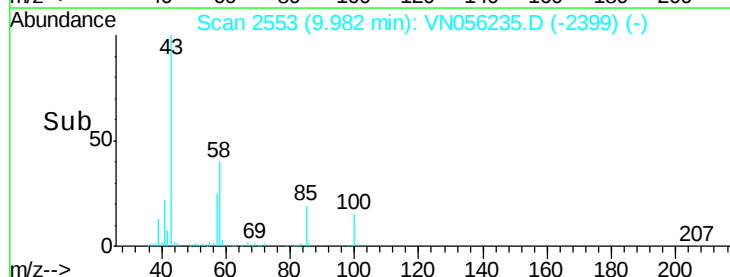
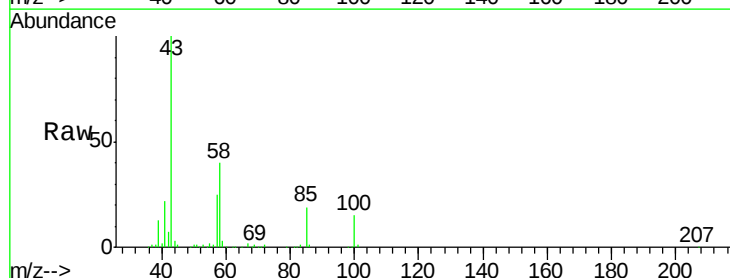
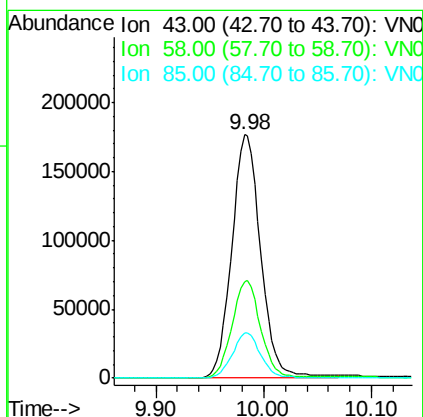
Manual Integrations
APPROVED

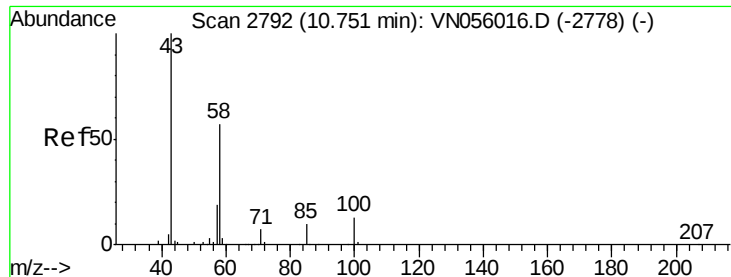
MMDadoda
6/13/2019 9:42:05 AM



#58
4-Methyl-2-Pentanone
Concen: 98.337 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.4	33.1	49.7
85	18.1	15.5	23.3





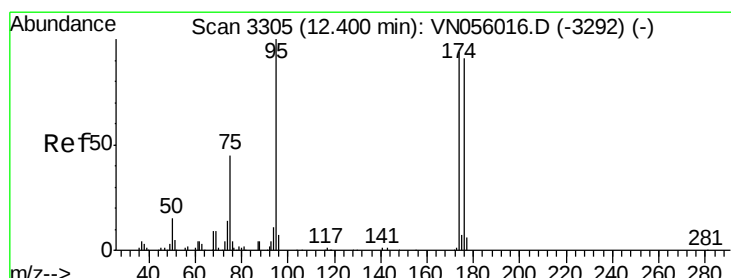
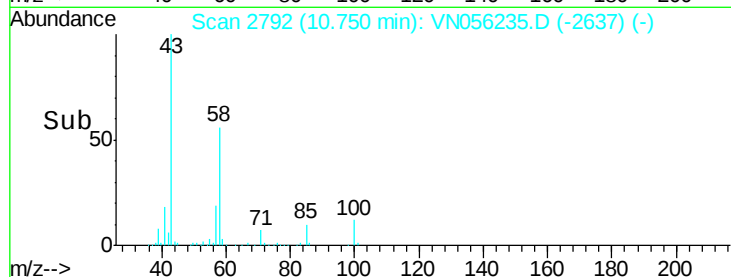
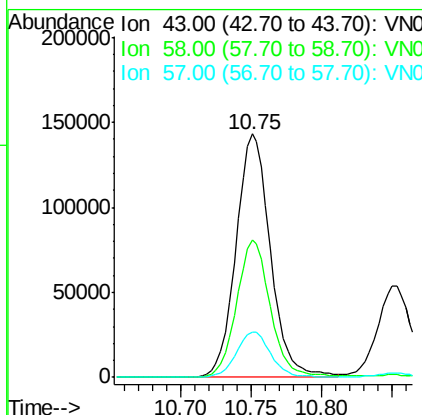
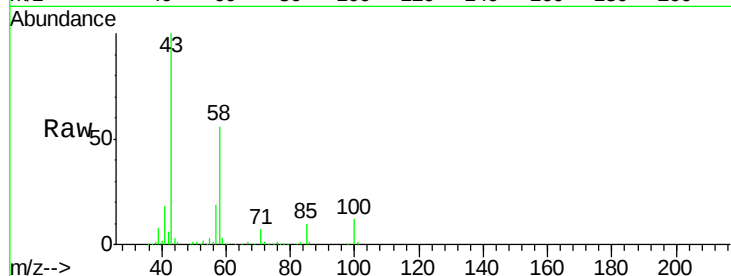
#59
2-Hexanone
Concen: 101.445 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	Resp	244885
Ion Ratio	Lower	Upper	
43	100		
58	55.5	45.3	67.9
57	18.7	15.6	23.4

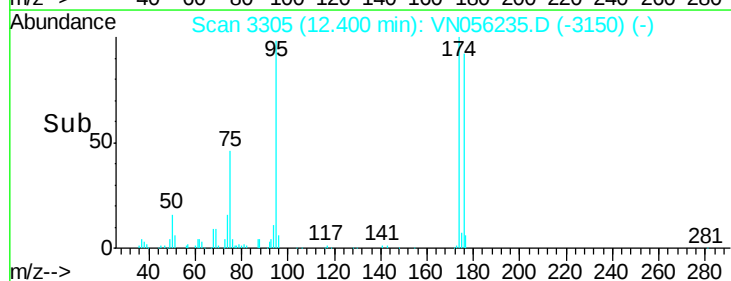
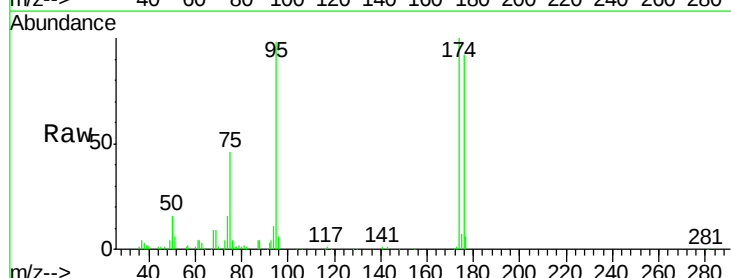
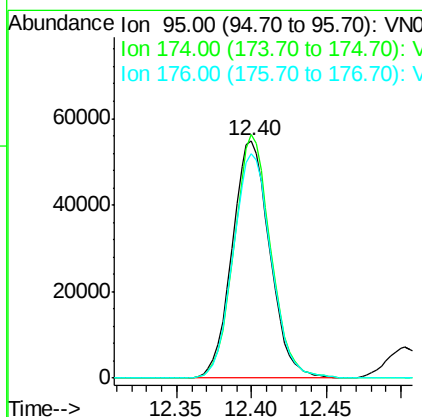
Manual Integrations
APPROVED

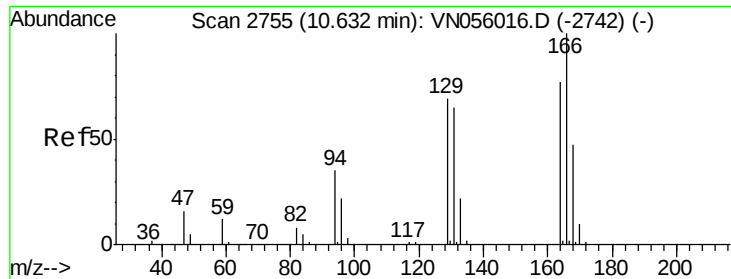
MMDadoda
6/13/2019 9:42:05 AM



#60
4-Bromofluorobenzene
Concen: 29.056 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	95	Resp	96057
Ion Ratio	Lower	Upper	
95	100		
174	99.8	75.4	113.0
176	95.8	73.9	110.9





#61

Tetrachloroethene

Concen: 22.117 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

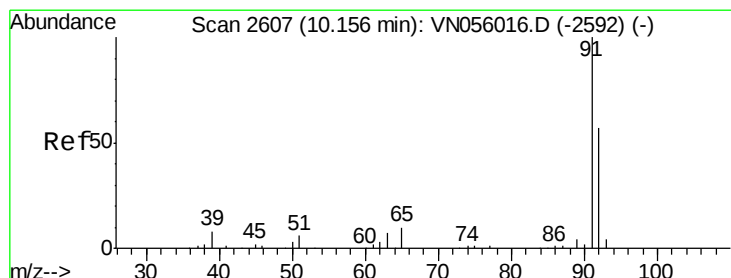
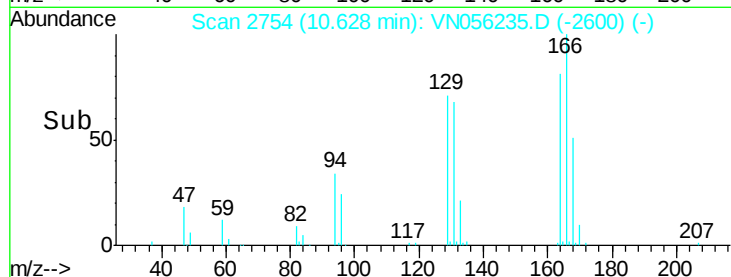
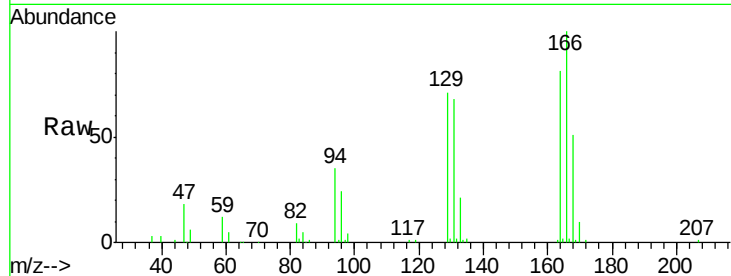
ClientSampleId :

VSTDCCC020

Tot Ion:	164	Resp:	68751
Ion	Ratio	Lower	Upper
164	100		
166	123.1	104.3	156.5
129	86.7	71.5	107.3
131	83.8	67.7	101.5

Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:42:05 AM



#62

Toluene

Concen: 20.474 ug/l

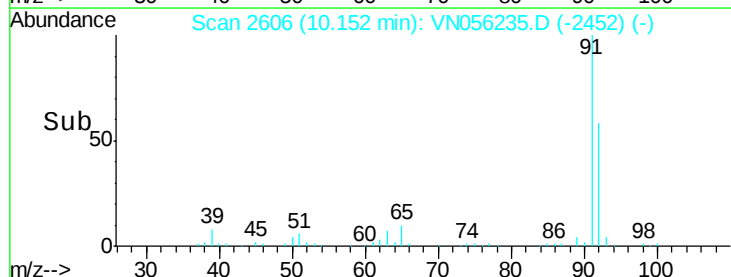
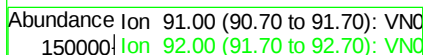
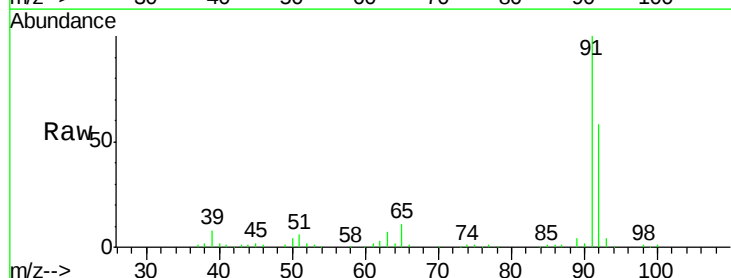
RT: 10.15 min Scan# 2606

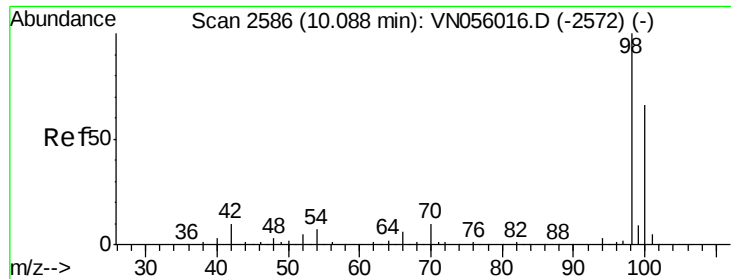
Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Tgt Ion:	91	Resp:	246520
Ion	Ratio	Lower	Upper
91	100		
92	58.6	45.5	68.3





#63

Toluene-d8

Concen: 30.321 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 306781

Ion Ratio Lower Upper

98 100

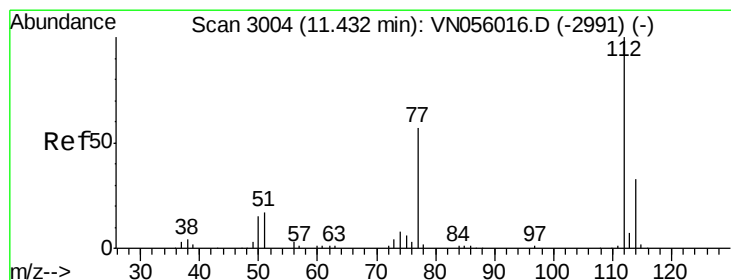
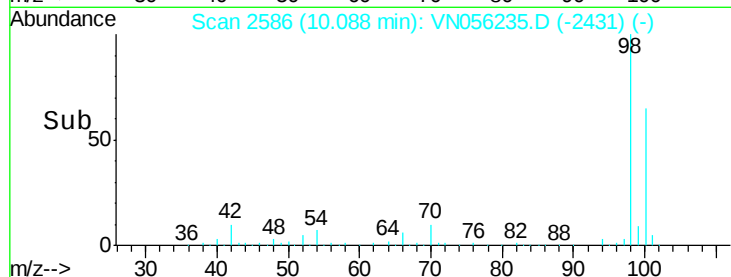
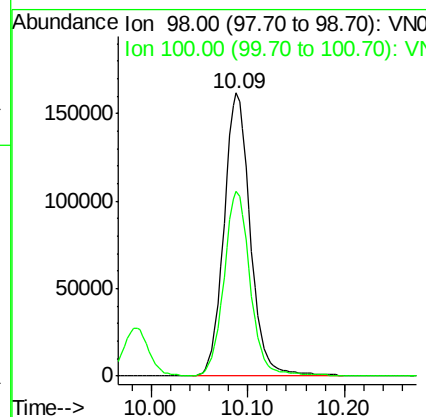
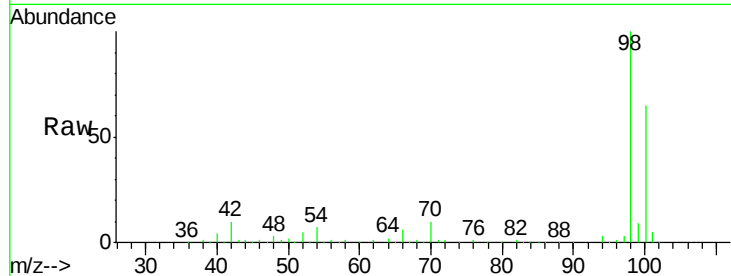
100 63.7 52.2 78.4

Manual Integrations

APPROVED

MMDadoda

6/13/2019 9:42:05 AM



#64

Chlorobenzene

Concen: 20.653 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056235.D

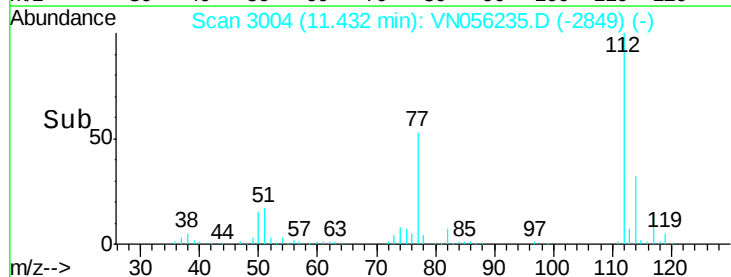
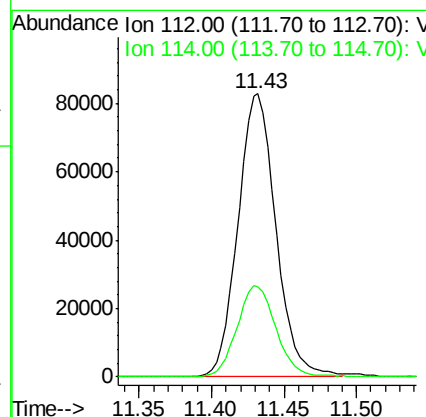
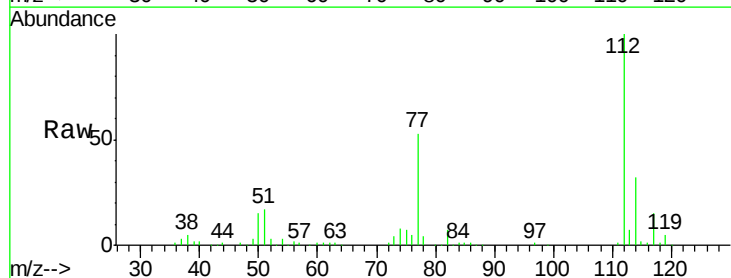
Acq: 12 Jun 2019 8:56

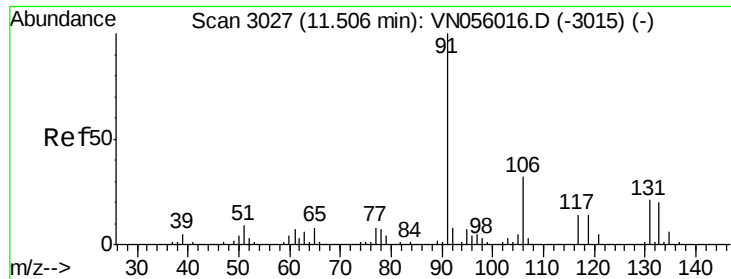
Tgt Ion: 112 Resp: 150838

Ion Ratio Lower Upper

112 100

114 32.0 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 21.728 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

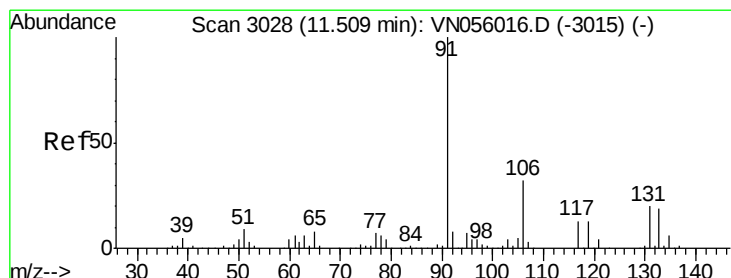
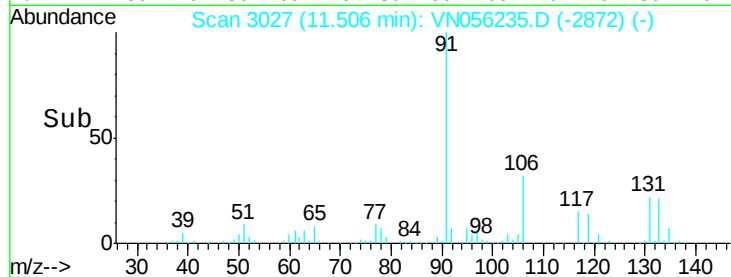
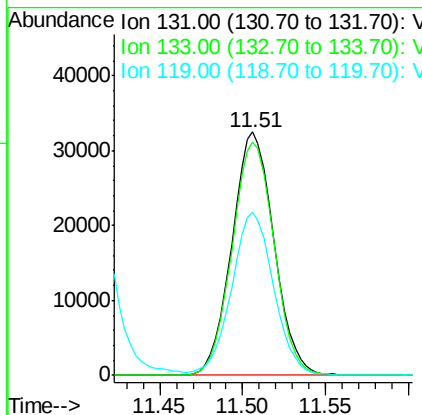
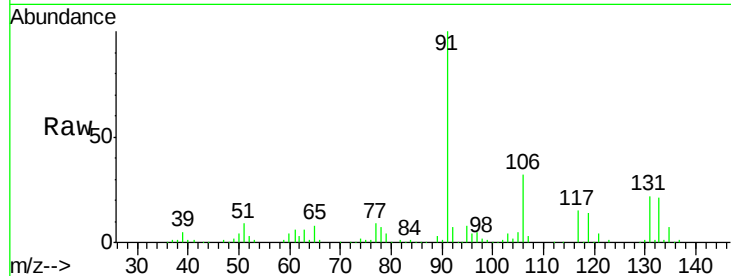
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	57221		
133	96.0	0.0	193.8	
119	67.2	0.0	134.4	

Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:42:05 AM



#66

Ethyl Benzene

Concen: 20.544 ug/l

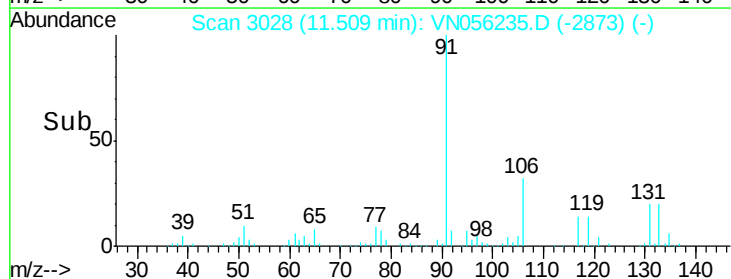
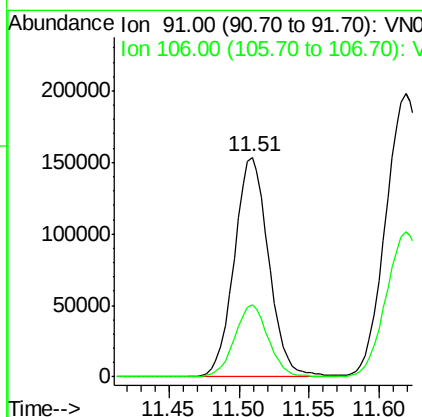
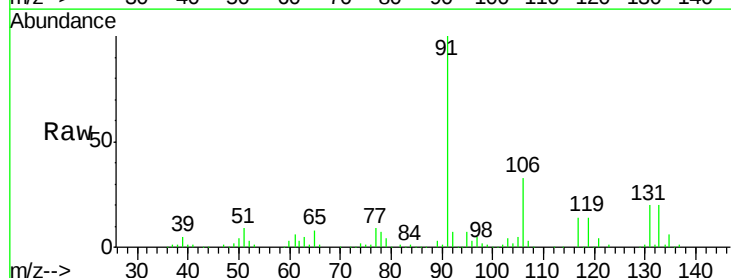
RT: 11.51 min Scan# 3028

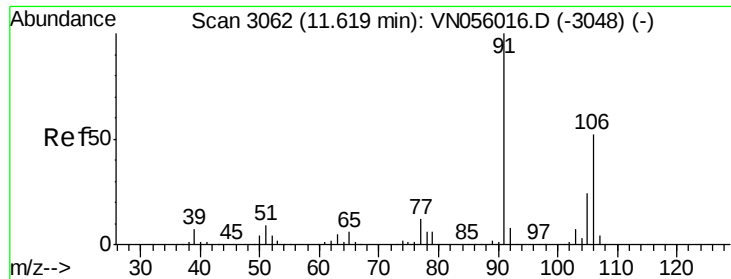
Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	263460		
106	33.0	25.7	38.5	





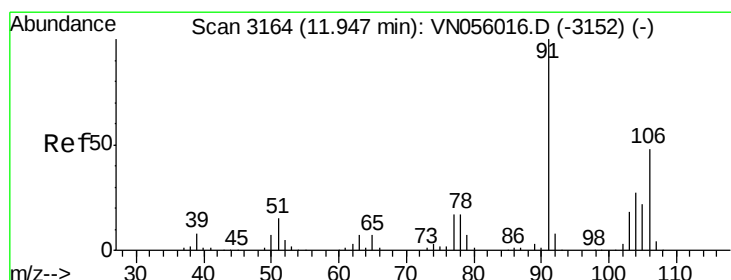
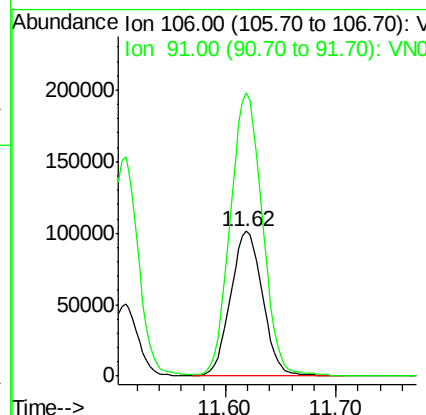
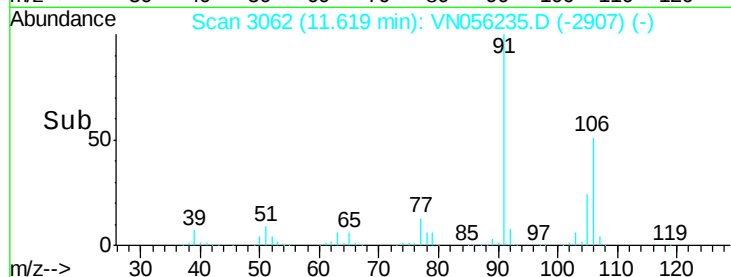
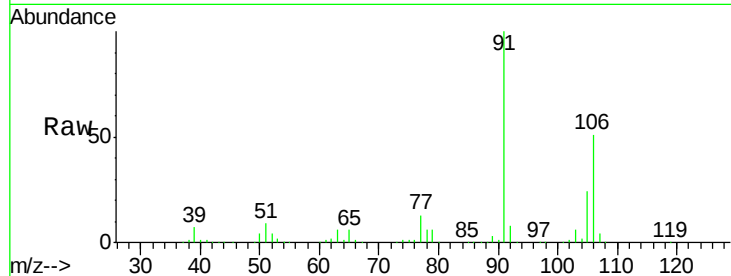
#67
m/p-Xvlenes
Concen: 41.682 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 204604
Ion Ratio Lower Upper
106 100
91 196.0 155.7 233.5

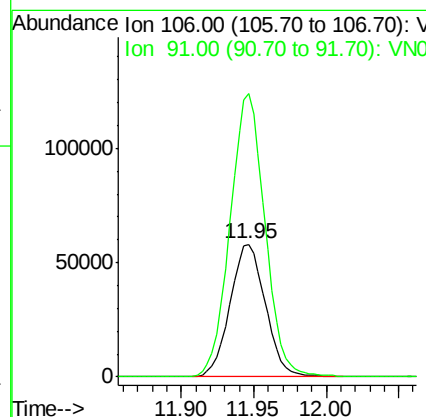
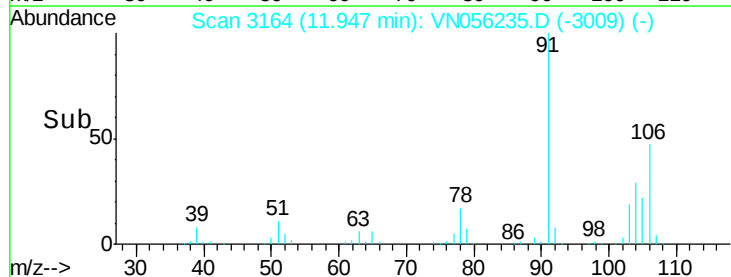
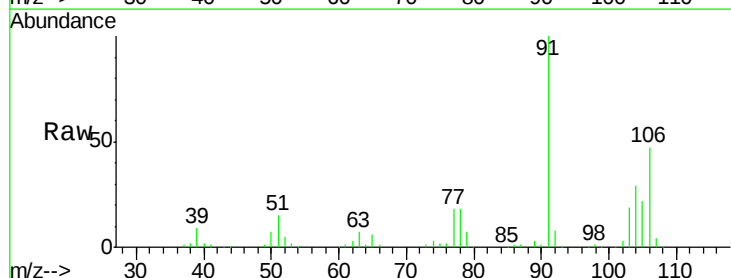
Manual Integrations
APPROVED

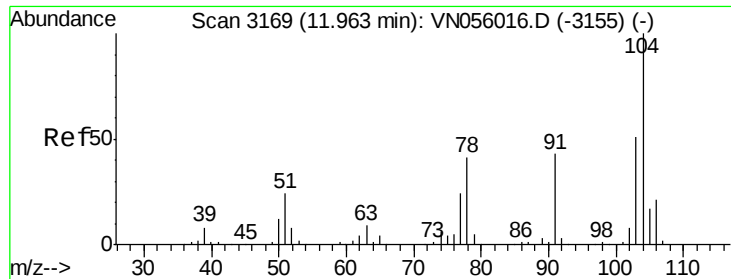
MMDadoda
6/13/2019 9:42:05 AM



#68
o-Xylene
Concen: 20.461 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion:106 Resp: 98328
Ion Ratio Lower Upper
106 100
91 210.4 103.9 311.7





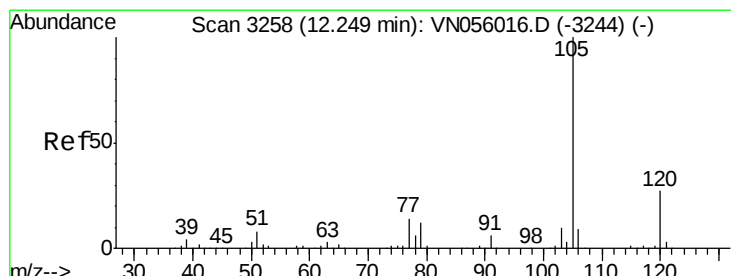
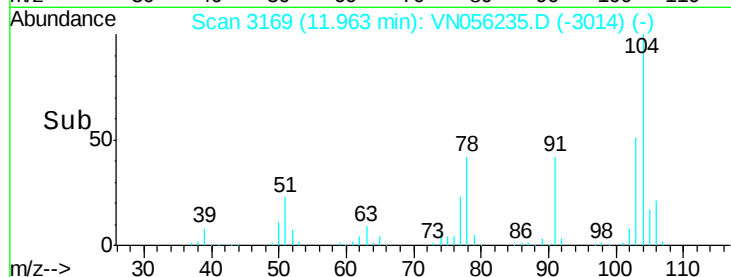
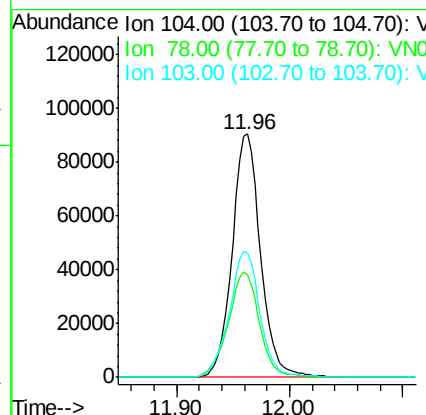
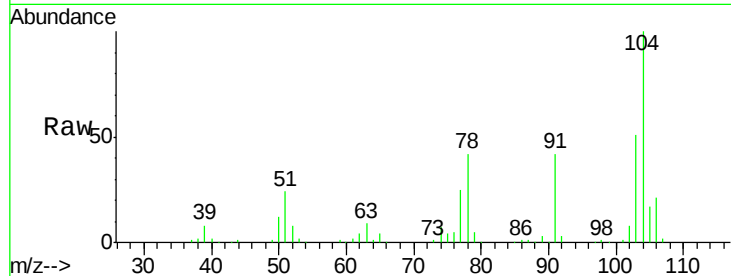
#69
Stvrene
Concen: 20.275 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.4	37.0	55.6
103	55.9	44.4	66.6

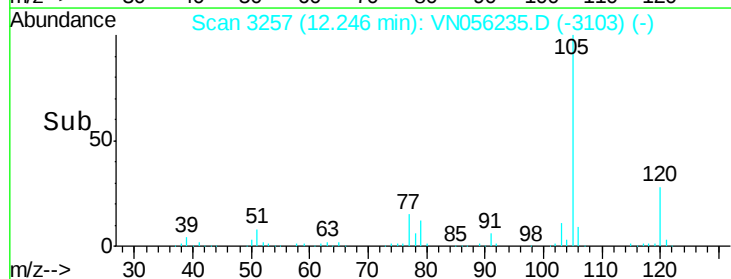
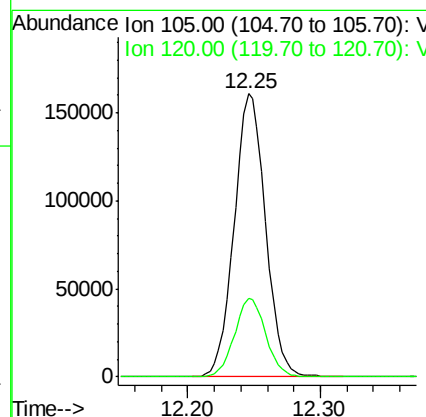
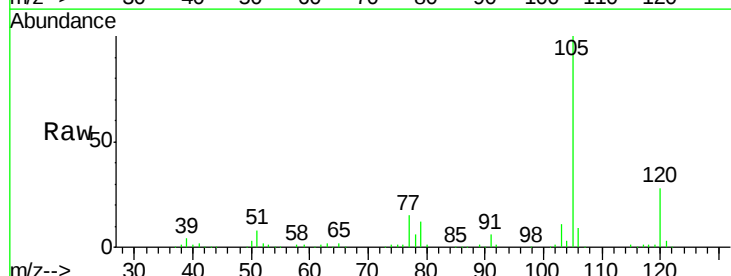
Manual Integrations
APPROVED

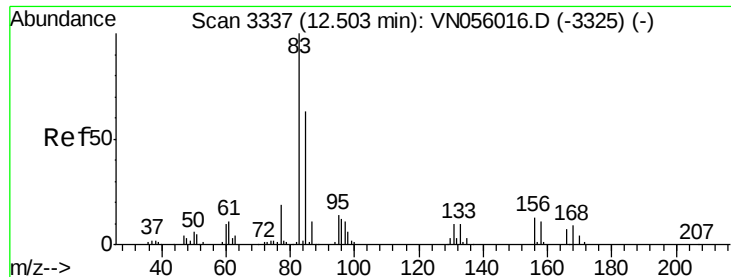
MMDadoda
6/13/2019 9:42:05 AM



#70
Isopropylbenzene
Concen: 21.026 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	19.3	35.8





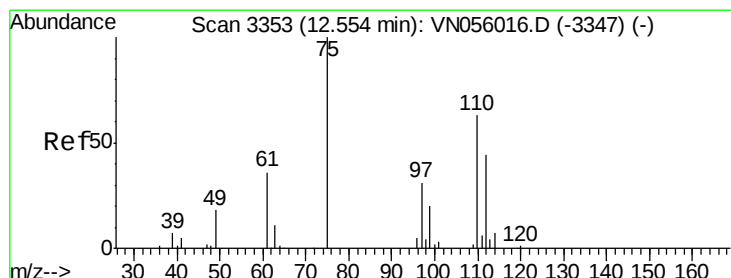
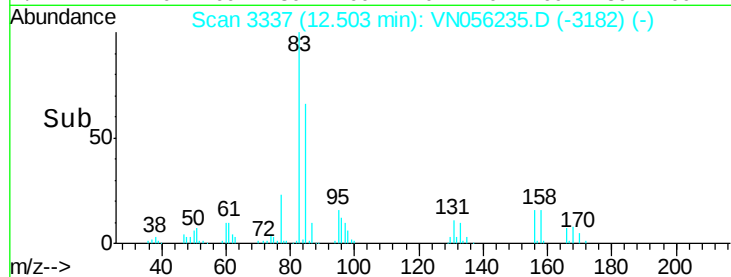
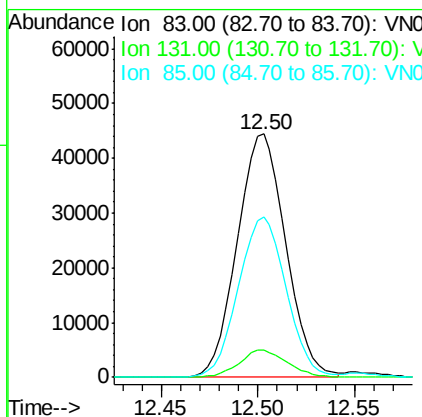
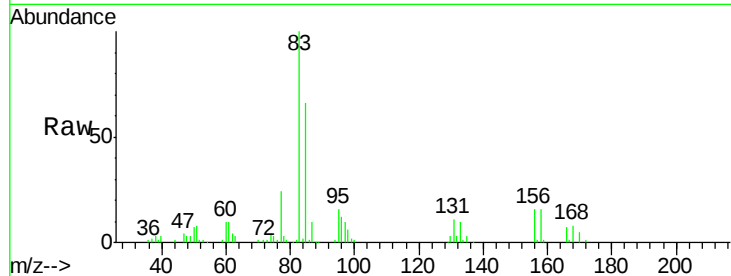
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.487 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.2	15.6
85	65.0	31.6	94.7

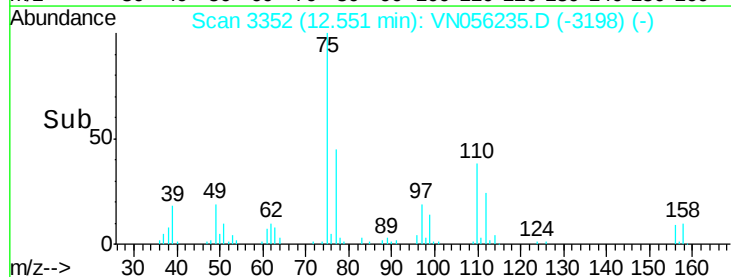
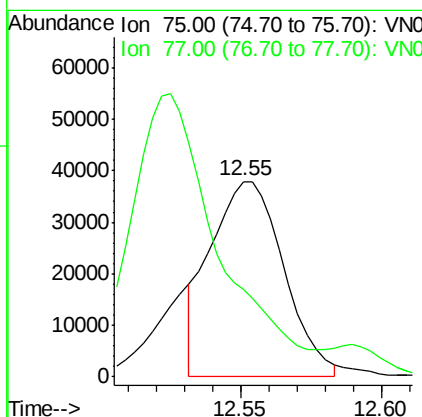
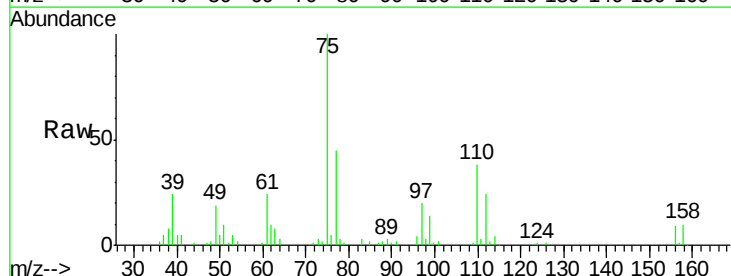
Manual Integrations
 APPROVED

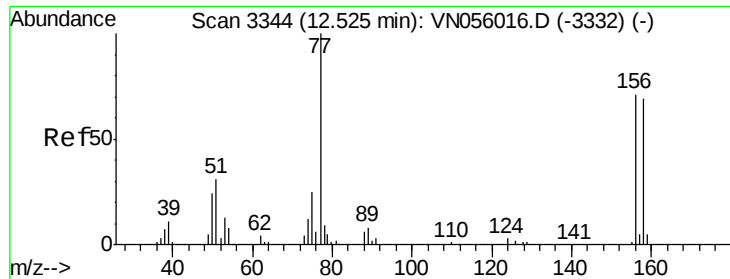
MMDadoda
 6/13/2019 9:42:05 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.890 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	175.0	0.0	350.0





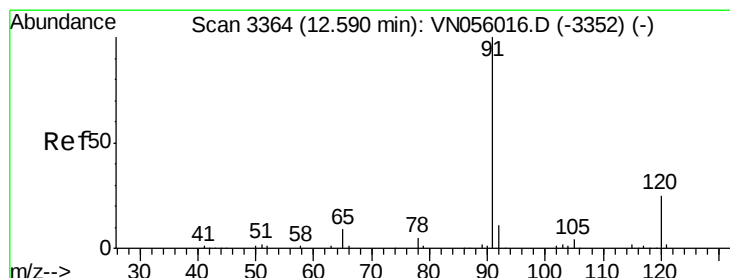
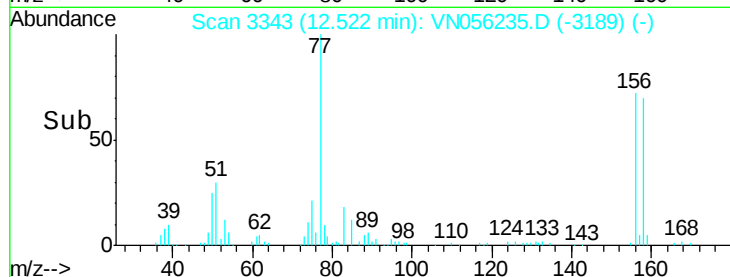
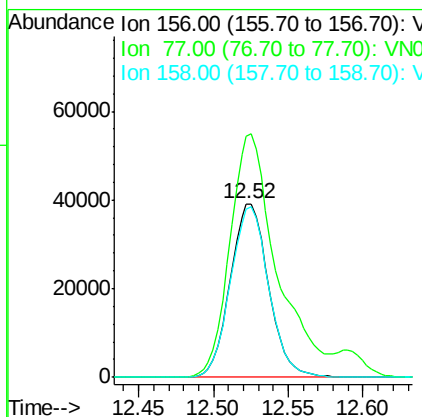
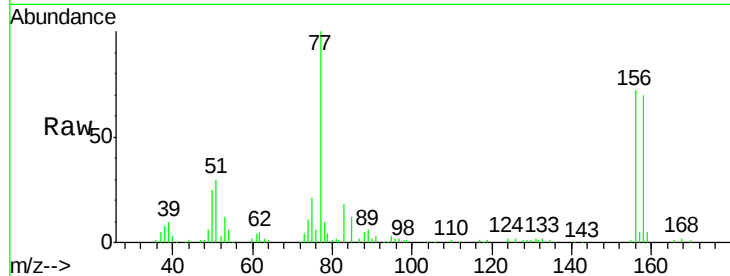
#73
Bromobenzene
Concen: 20.990 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.2	0.0	350.8
158	98.3	0.0	193.2

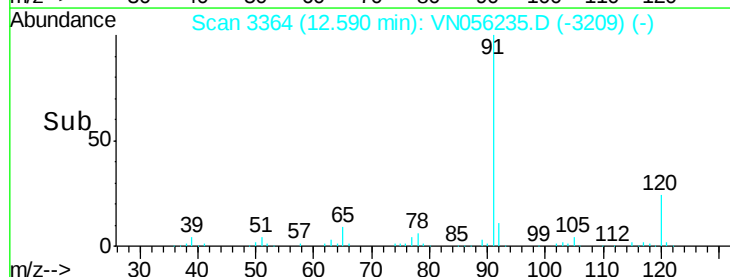
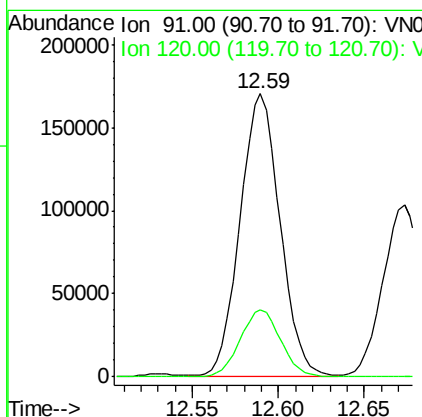
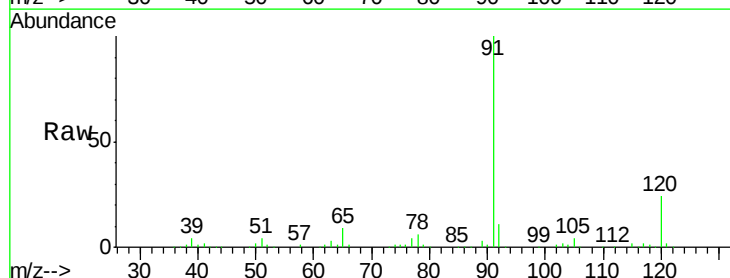
Manual Integrations
APPROVED

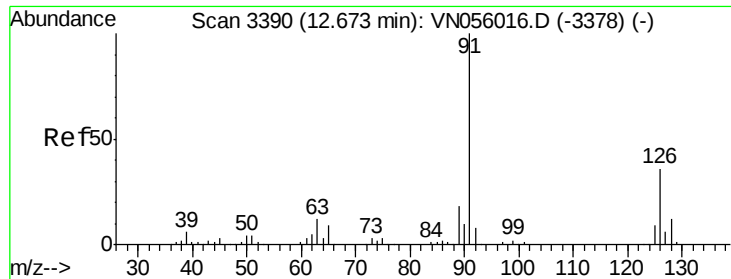
MMDadoda
6/13/2019 9:42:05 AM



#74
n-propylbenzene
Concen: 20.766 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	0.0	48.6





#75

2-Chlorotoluene

Concen: 20.823 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 171134

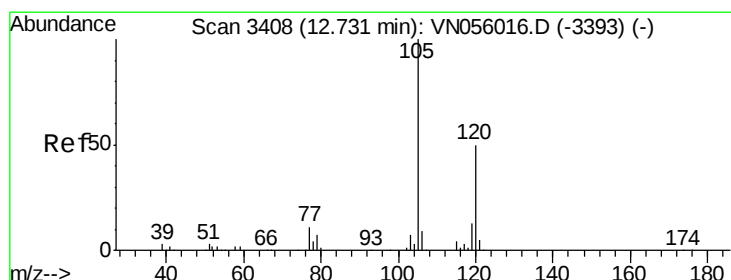
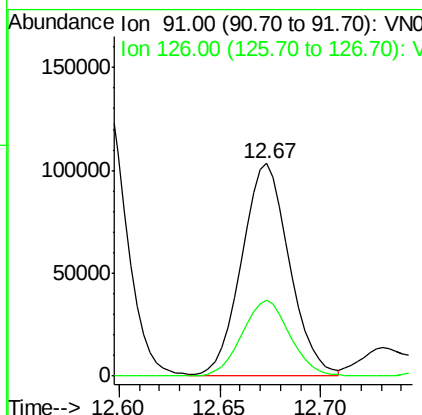
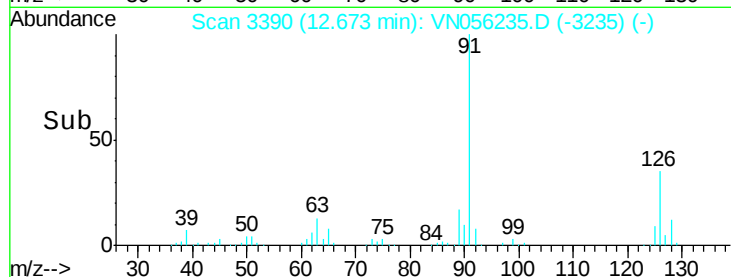
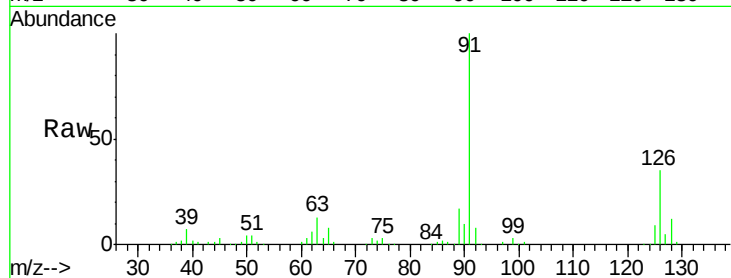
Ion Ratio Lower Upper

91 100

126 36.0 0.0 72.4

Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:42:05 AM



#76

1,3,5-Trimethylbenzene

Concen: 21.097 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056235.D

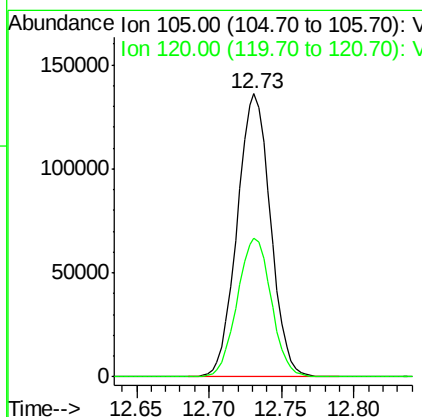
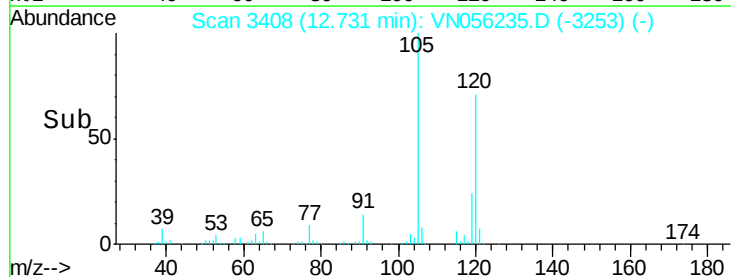
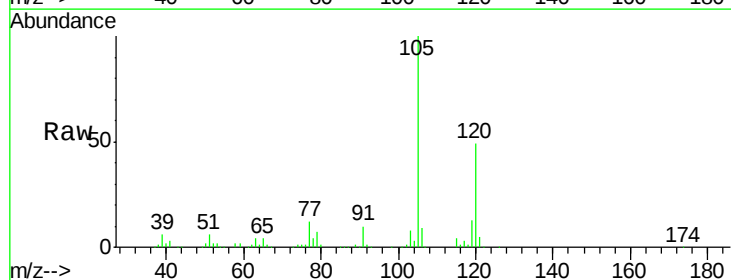
Acq: 12 Jun 2019 8:56

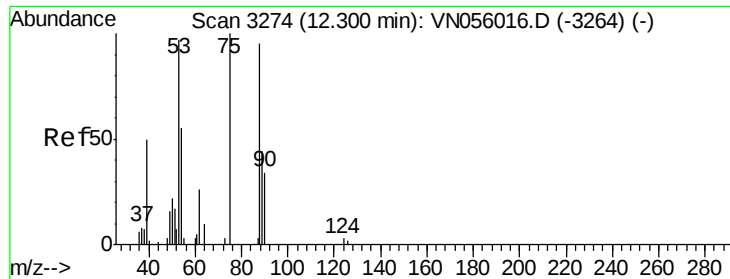
Tgt Ion: 105 Resp: 217888

Ion Ratio Lower Upper

105 100

120 50.0 0.0 100.6





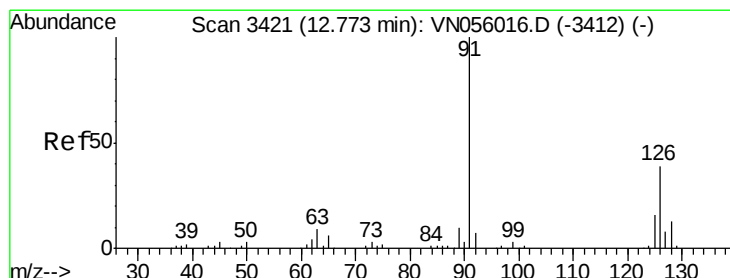
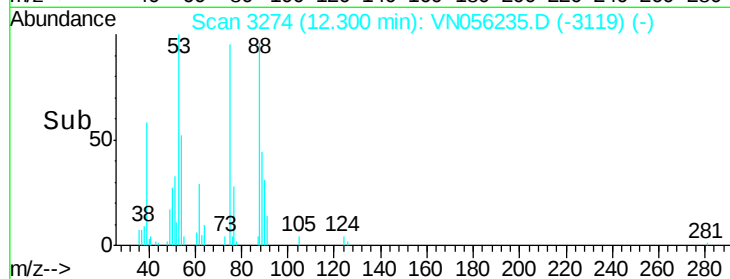
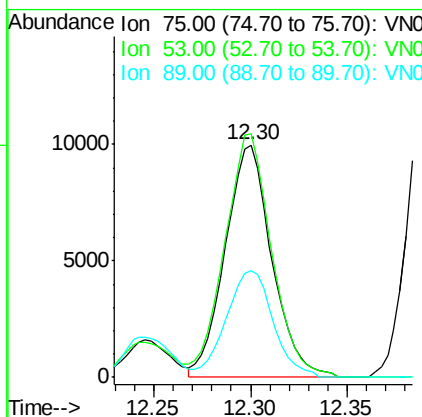
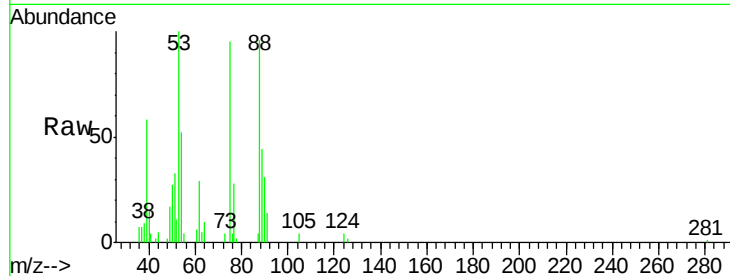
#77
t-1,4-Dichloro-2-butene
Concen: 17.921 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.9	48.0	144.0
89	46.0	22.5	67.5

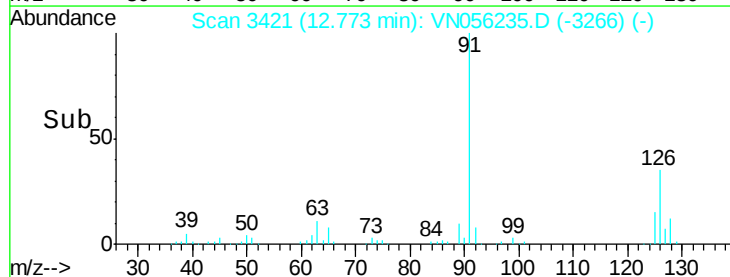
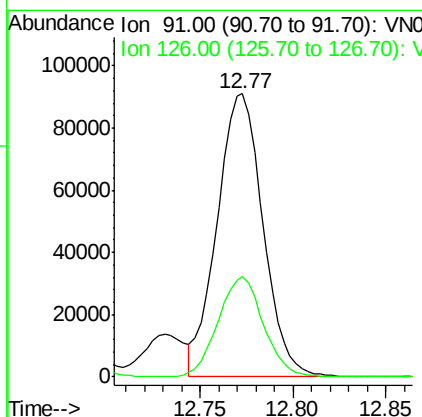
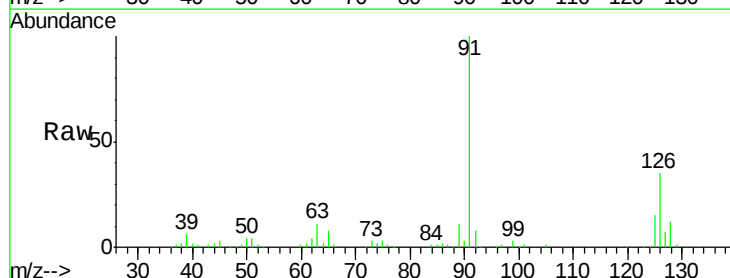
Manual Integrations
APPROVED

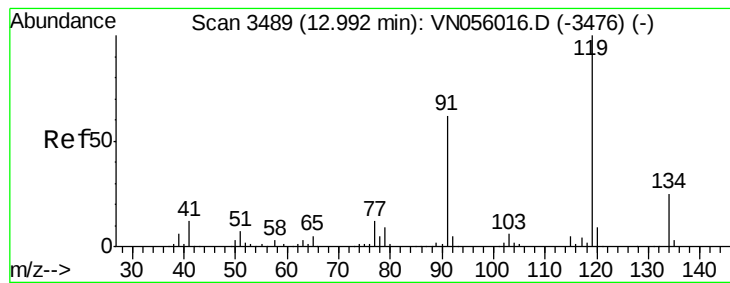
MMDadoda
6/13/2019 9:42:05 AM



#78
4-Chlorotoluene
Concen: 20.192 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	0.0	71.8





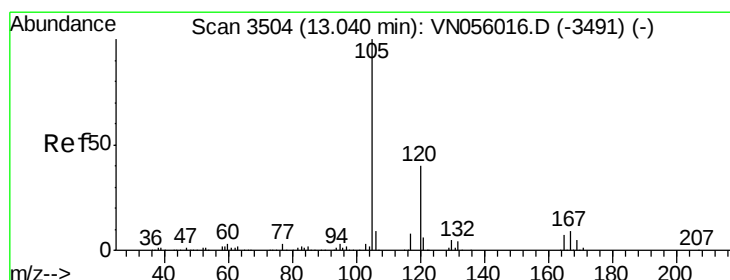
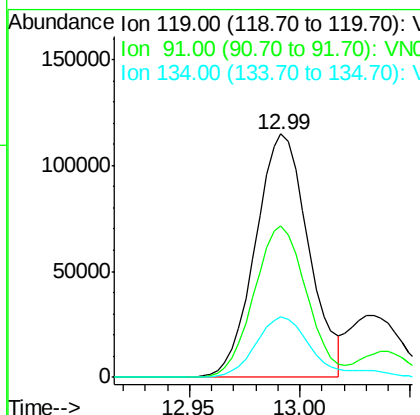
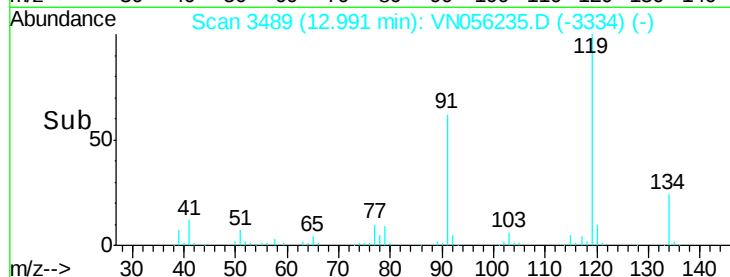
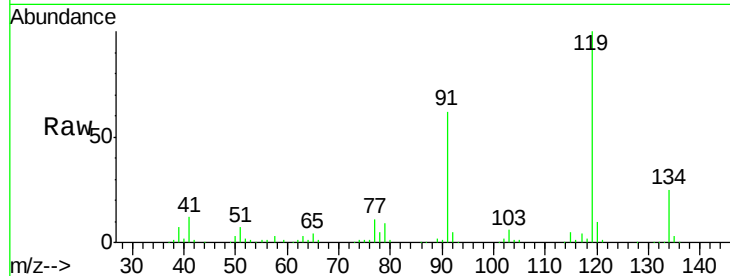
#79
 tert-butylbenzene
 Concen: 21.018 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	192318		
91	61.8	0.0	122.8	
134	25.2	0.0	50.2	

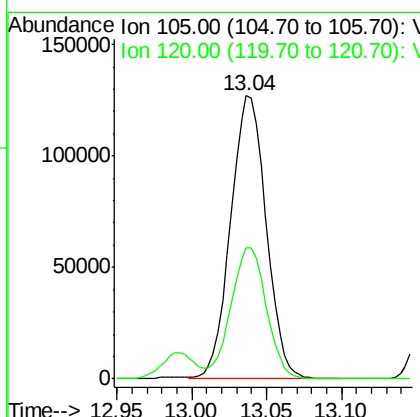
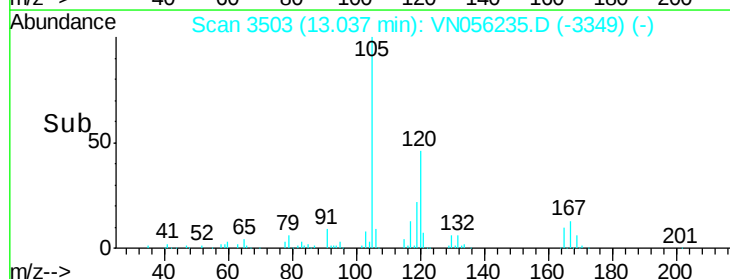
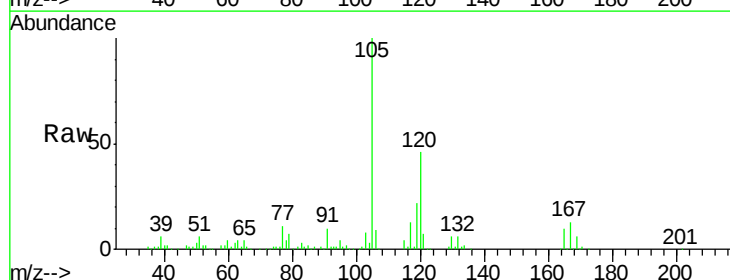
Manual Integrations
 APPROVED

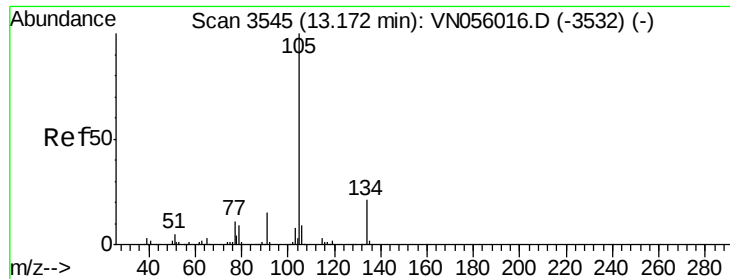
MMDadoda
 6/13/2019 9:42:05 AM



#80
 1,2,4-Trimethylbenzene
 Concen: 20.872 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	209701		
120	46.8	0.0	93.4	





#81

sec-Butylbenzene

Concen: 21.268 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 246187

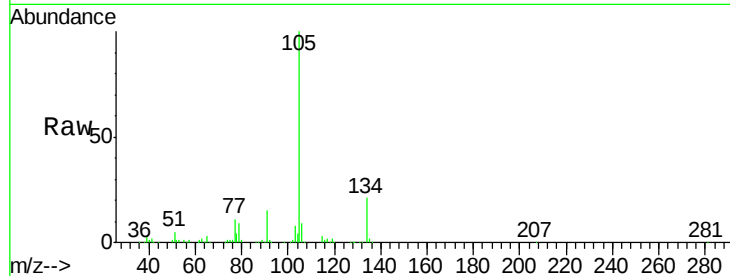
Ion Ratio Lower Upper

105 100

134 20.8 0.0 41.8

Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:42:05 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

150000

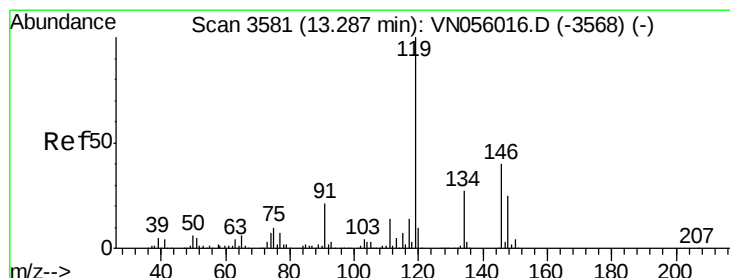
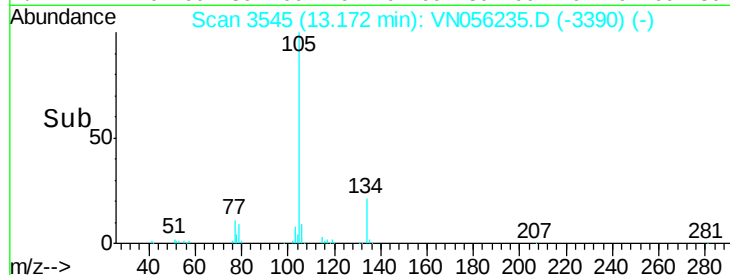
100000

50000

0

Time-->

13.10 13.15 13.20 13.25



#82

p-Isopropyltoluene

Concen: 20.760 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056235.D

Acq: 12 Jun 2019 8:56

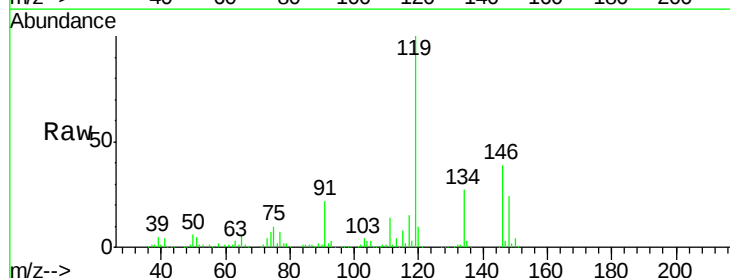
Tgt Ion:119 Resp: 217265

Ion Ratio Lower Upper

119 100

134 27.0 0.0 53.4

91 21.7 0.0 43.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

150000

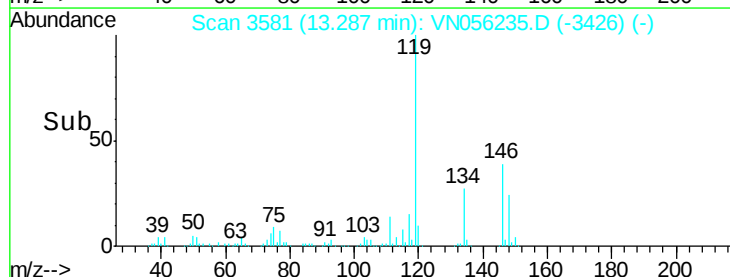
100000

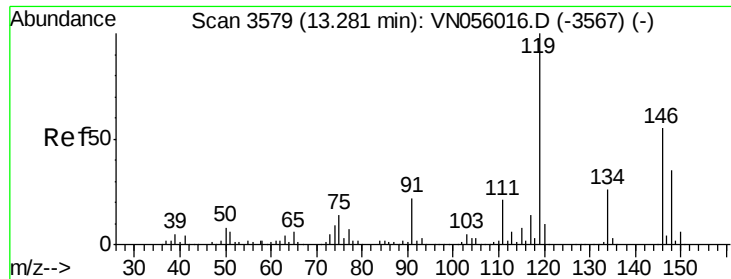
50000

0

Time-->

13.20 13.25 13.30 13.35





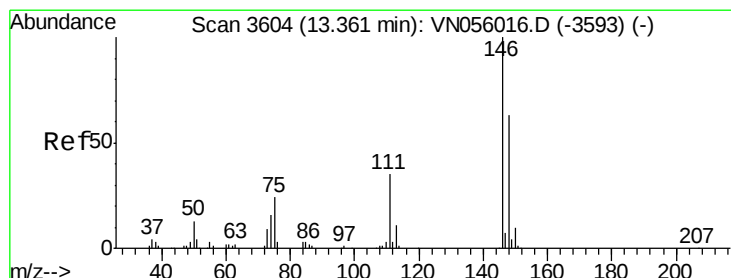
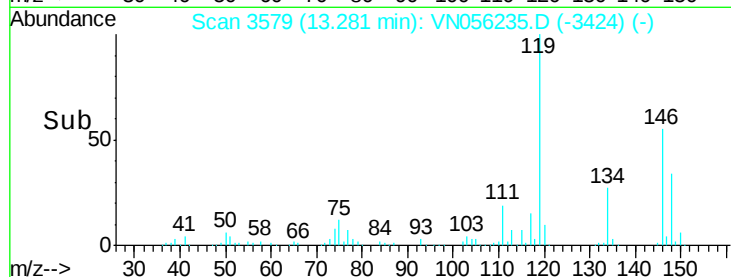
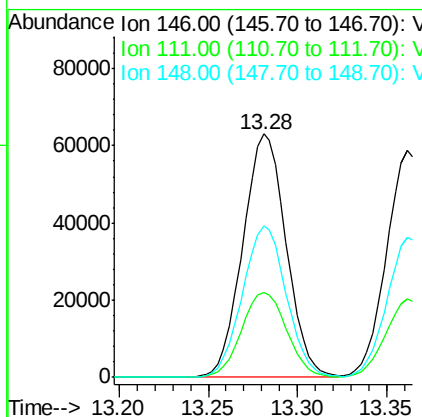
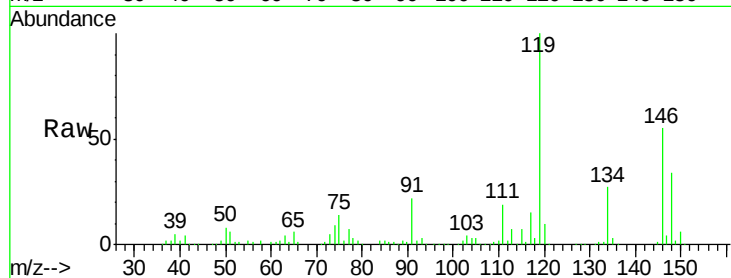
#83
 1,3-Dichlorobenzene
 Concen: 20.595 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.2	54.6
148	63.1	31.9	95.9

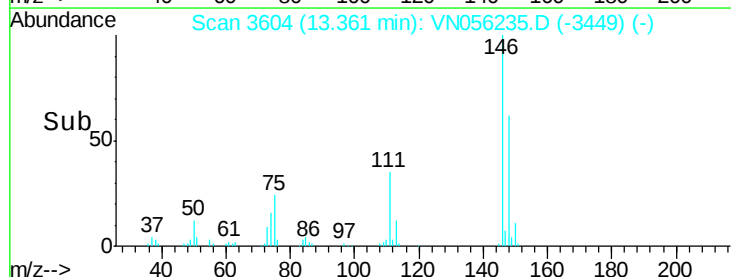
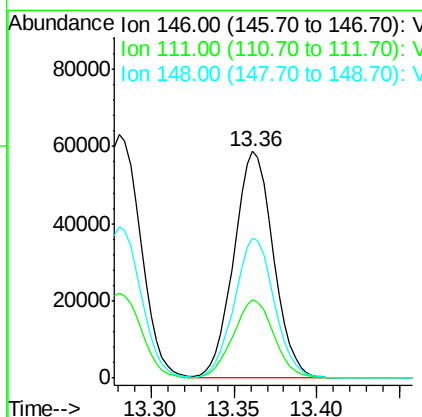
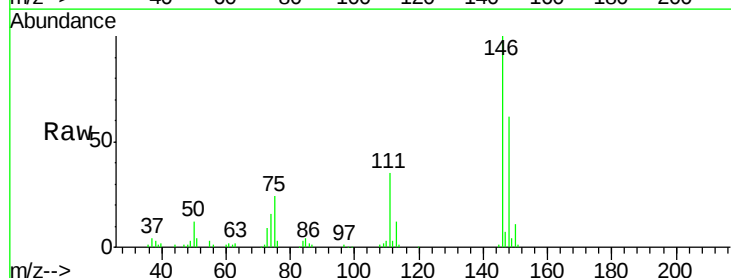
Manual Integrations
 APPROVED

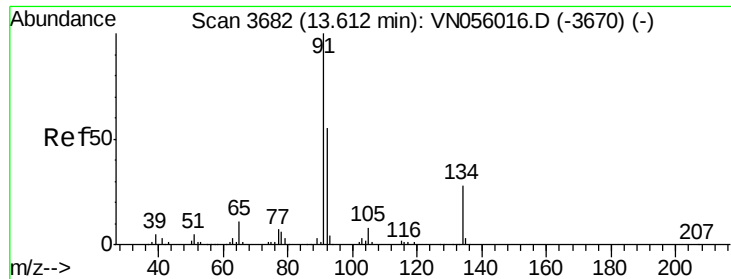
MMDadoda
 6/13/2019 9:42:05 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.730 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	17.6	52.9
148	62.5	32.1	96.3





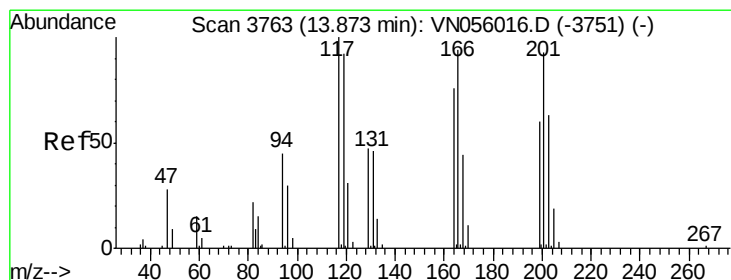
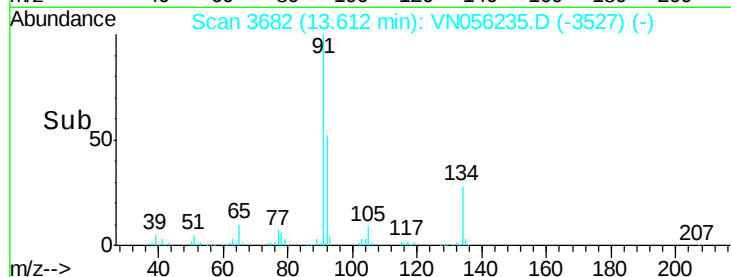
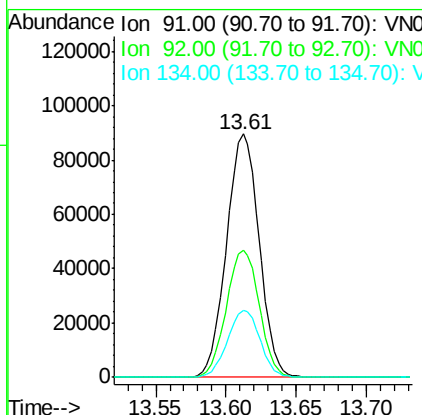
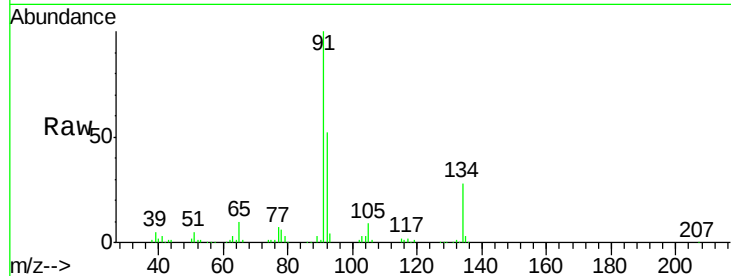
#85
n-Butylbenzene
Concen: 18.631 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	145519		
92	52.4	0.0	107.2	
134	27.4	0.0	55.8	

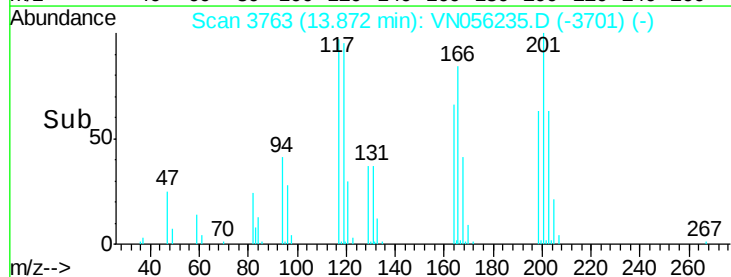
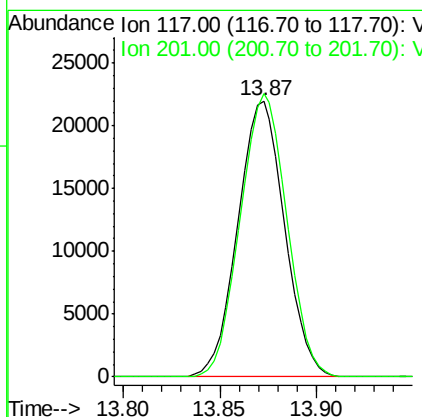
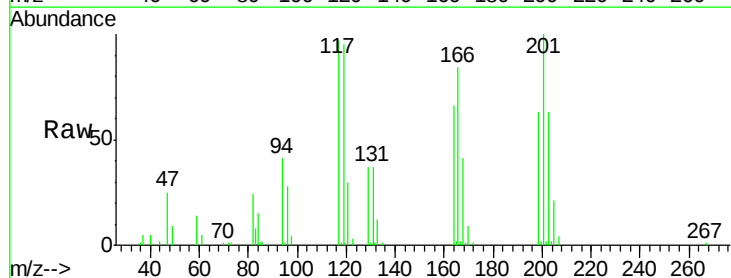
Manual Integrations
APPROVED

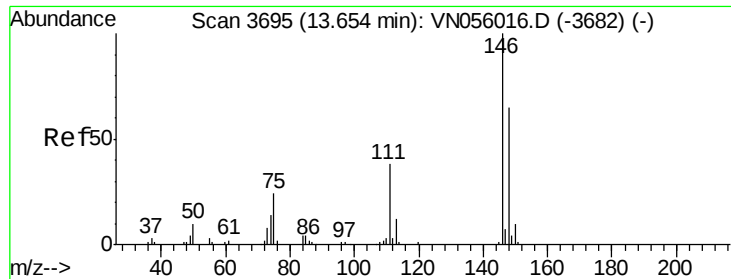
MMDadoda
6/13/2019 9:42:05 AM



#86
Hexachloroethane
Concen: 22.674 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36993		
201	102.4	48.1	144.4	





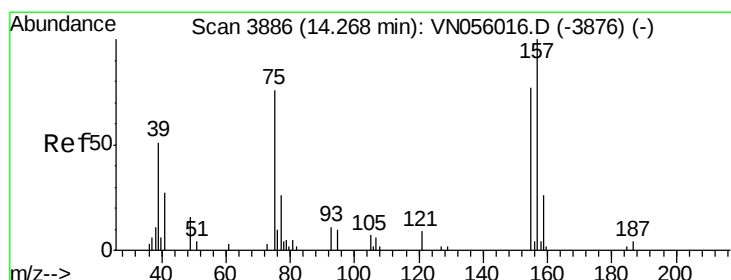
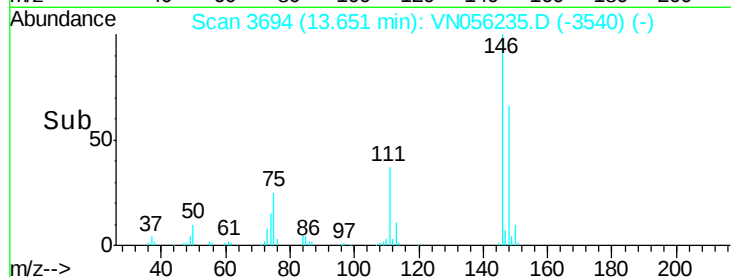
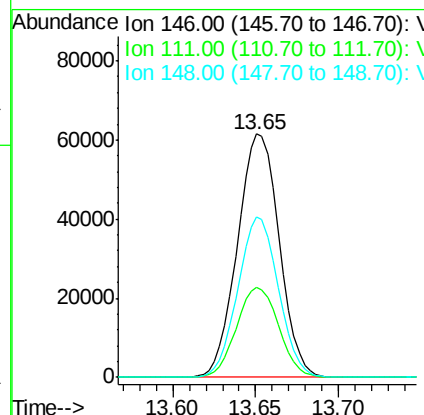
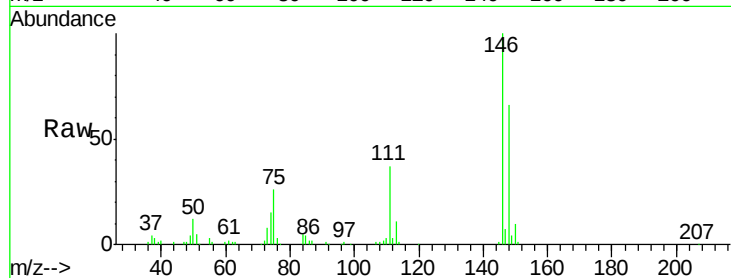
#87
 1,2-Dichlorobenzene
 Concen: 20.435 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.3	57.9
148	63.9	32.6	97.8

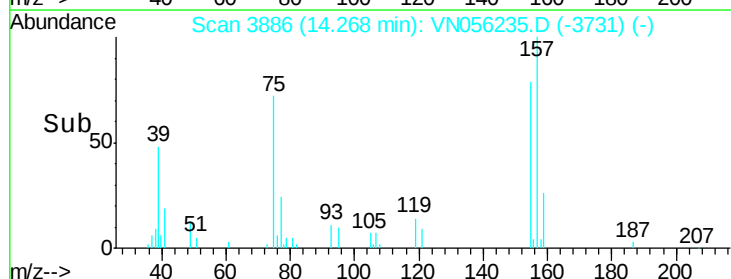
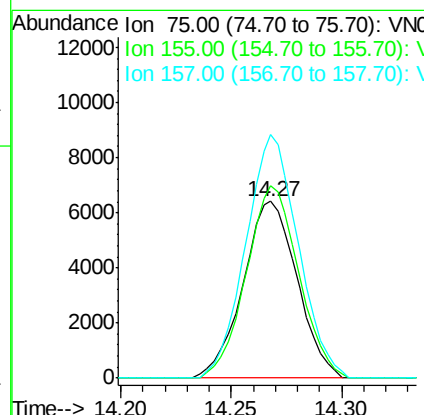
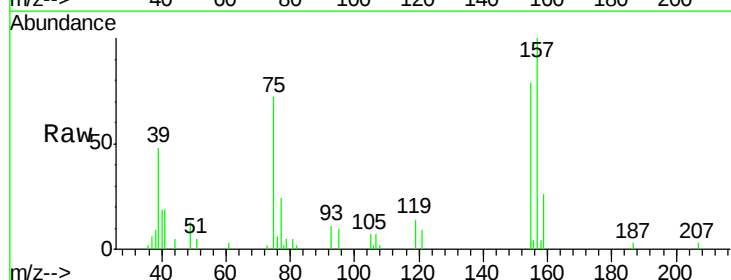
Manual Integrations
 APPROVED

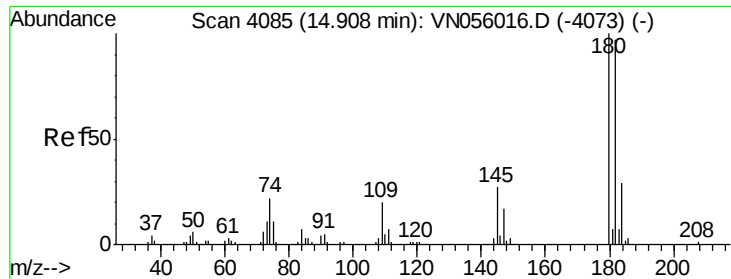
MMDadoda
 6/13/2019 9:42:05 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.330 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.4	82.5	123.7
157	133.5	105.1	157.7





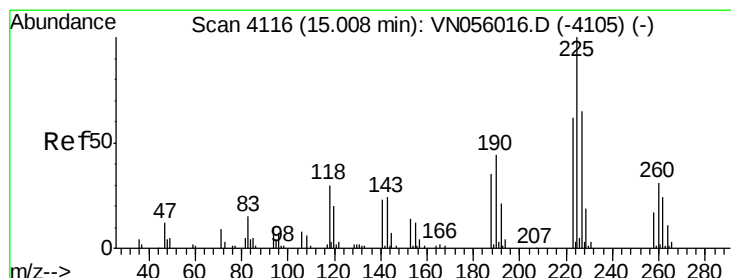
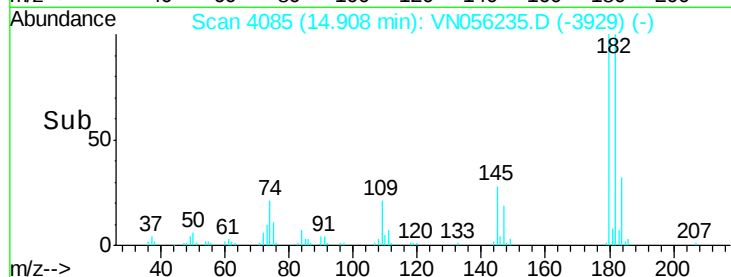
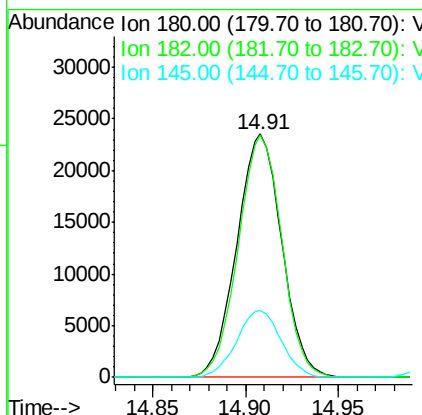
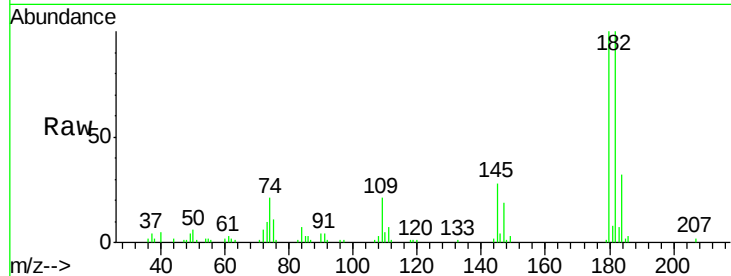
#89
 1,2,4-Trichlorobenzene
 Concen: 19.289 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.0	112.6
145	27.3	22.1	33.1

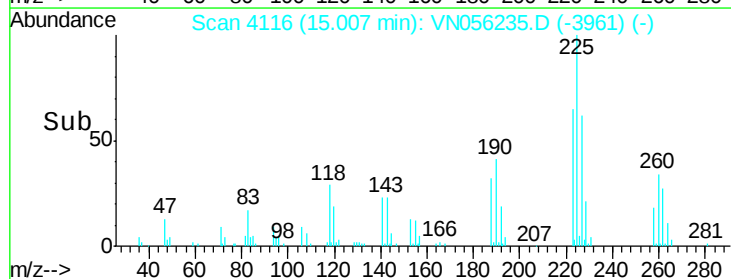
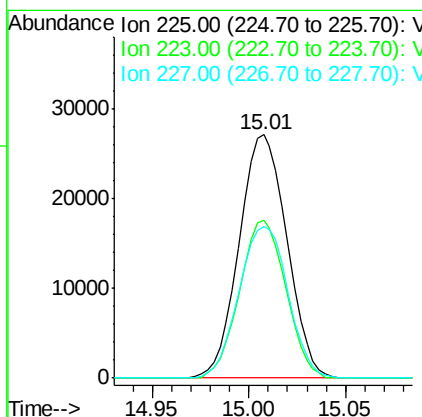
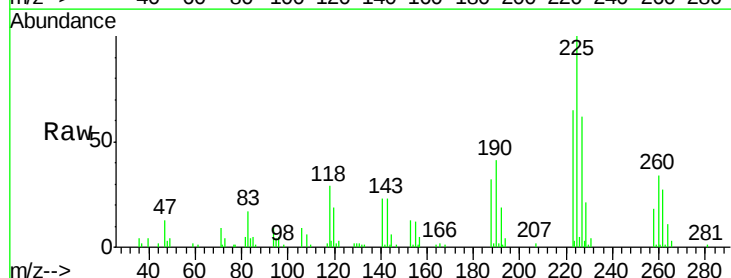
Manual Integrations
 APPROVED

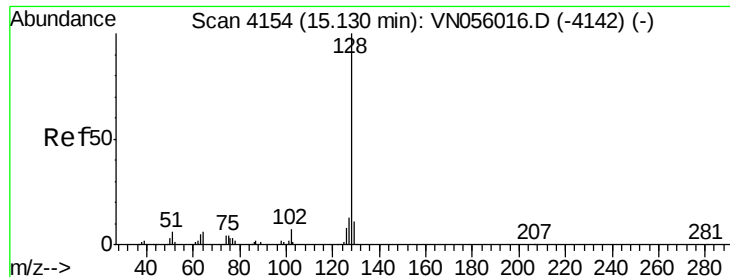
MMDadoda
 6/13/2019 9:42:05 AM



#90
 Hexachlorobutadiene
 Concen: 24.170 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056235.D
 Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	125.6
227	64.0	0.0	128.6





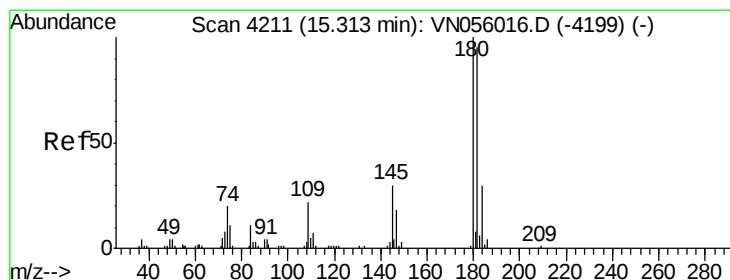
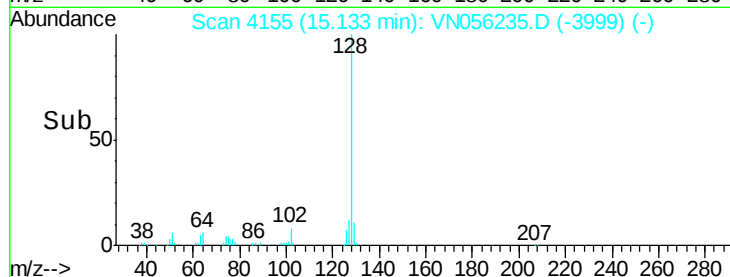
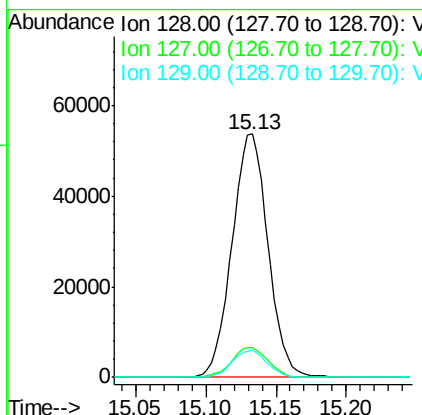
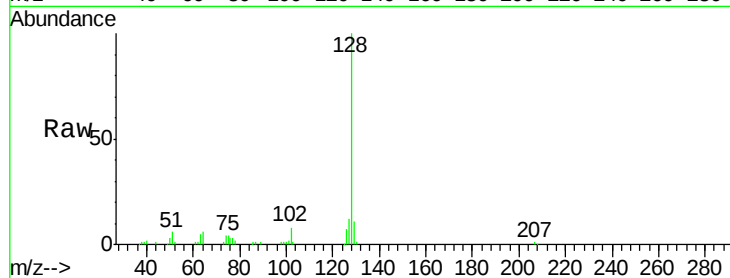
#91
Naphthalene
Concen: 13.685 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:42:05 AM



#92
1,2,3-Trichlorobenzene
Concen: 16.803 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056235.D
Acq: 12 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	0.0	193.4
145	27.5	0.0	59.8

