

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057025.D
 Acq On : 1 Aug 2019 10:13
 Operator : JC/SP
 Sample : VN0801WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0801WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 10:44:55 AM

Quant Time: Aug 02 10:24:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	86906	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	8.57	114	464614	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	402232	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	166751	29.32	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.73%
60) 4-Bromofluorobenzene	12.40	95	171488	28.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.83%
63) Toluene-d8	10.08	98	576868	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	109396	21.054	ug/l 98
3) Chloromethane	2.05	50	122126	19.261	ug/l 99
4) Vinyl Chloride	2.18	62	114532	18.735	ug/l 98
5) Bromomethane	2.55	94	69603	18.544	ug/l 97
6) Chloroethane	2.69	64	62626	18.469	ug/l 97
7) Trichlorofluoromethane	3.00	101	159367	21.407	ug/l 97
8) Diethyl Ether	3.40	74	55463	19.994	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	96348	20.608	ug/l 96
10) 1,1-Dichloroethene	3.72	96	91445	19.710	ug/l 93
11) Methyl Iodide	3.94	142	124499	18.138	ug/l 98
12) Methyl Acetate	4.31	43	84836	14.941	ug/l # 90
13) Acrolein	3.59	56	81236	126.415	ug/l 97
14) Acrylonitrile	4.97	53	195107	89.098	ug/l 100
15) Acetone	3.81	58	66289	117.090	ug/l 95
16) Carbon Disulfide	4.04	76	241288	19.287	ug/l 99
17) Allyl chloride	4.31	41	138413	17.828	ug/l 96
18) Methylene Chloride	4.54	84	102774	19.032	ug/l 97
19) trans-1,2-Dichloroethene	5.02	96	97860	19.930	ug/l 99
20) Diisopropyl ether	5.93	45	293346	18.609	ug/l 98
21) 1,1-Dichloroethane	5.83	63	171782	18.752	ug/l 98
22) cis-1,2-Dichloroethene	6.82	96	109290	19.205	ug/l 99
23) tert-Butyl Alcohol	4.77	59	68072	93.151	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	263358	18.775	ug/l 99
25) Chloroform	7.36	83	174720	19.551	ug/l 97
26) Cyclohexane	7.64	56	163356	19.412	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	133080	20.184	ug/l 98
30) 2-Butanone	6.82	43	251743	95.036	ug/l 99
31) 2,2-Dichloropropane	6.81	77	131655	21.517	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	147734	20.393	ug/l 98
33) Carbon Tetrachloride	7.76	117	126079	19.940	ug/l 97
34) Benzene	8.03	78	398611	19.187	ug/l 98
35) Methacrylonitrile	7.18	41	62110m	23.479	ug/l
36) 1,2-Dichloroethane	8.11	62	123595	19.137	ug/l 97
37) Trichloroethene	8.82	130	112405	20.182	ug/l 100
38) Methylcyclohexane	9.07	83	169152	20.168	ug/l 99
39) 1,2-Dichloropropane	9.11	63	105061	18.946	ug/l 96
40) Dibromomethane	9.20	93	67408	19.815	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057025.D
 Acq On : 1 Aug 2019 10:13
 Operator : JC/SP
 Sample : VN0801WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0801WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 10:44:55 AM

Quant Time: Aug 02 10:24:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	128140	19.603	ug/l	99
42) Vinyl Acetate	5.88	43	1082085	91.728	ug/l	99
43) Ethyl Acetate	6.91	43	100506	18.508	ug/l	96
44) Isopropyl Acetate	8.15	43	164469m	18.170	ug/l	
45) 1,4-Dioxane	9.19	88	33769	391.874	ug/l	92
46) Methyl methacrylate	9.19	41	77746	17.217	ug/l	95
47) n-amyl Acetate	12.07	43	115622	15.956	ug/l	100
48) t-1,3-Dichloropropene	10.37	75	129259	19.002	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	151895	19.162	ug/l	97
50) 1,1,2-Trichloroethane	10.55	97	94973	19.445	ug/l	98
51) Ethyl methacrylate	10.42	69	125808	17.808	ug/l	100
52) 1,3-Dichloropropane	10.70	76	159575	19.359	ug/l	99
53) Dibromochloromethane	10.90	129	97675	19.239	ug/l	99
54) 1,2-Dibromoethane	11.00	107	95743	19.215	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	257307	84.098	ug/l	99
56) Bromoform	12.12	173	66546	18.945	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	486248	90.083	ug/l	97
59) 2-Hexanone	10.74	43	337253	91.691	ug/l	98
61) Tetrachloroethene	10.63	164	121120	21.486	ug/l	99
62) Toluene	10.15	91	431000	19.702	ug/l	99
64) Chlorobenzene	11.43	112	262368	19.911	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.50	131	98968	19.829	ug/l	98
66) Ethyl Benzene	11.50	91	455656	19.766	ug/l	100
67) m/p-Xylenes	11.62	106	342130	39.800	ug/l	98
68) o-Xylene	11.94	106	165179	19.544	ug/l	99
69) Styrene	11.96	104	262180	19.143	ug/l	100
70) Isopropylbenzene	12.24	105	445592	20.023	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	117609	18.869	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	101693m	18.543	ug/l	
73) Bromobenzene	12.52	156	112838	19.650	ug/l	98
74) n-propylbenzene	12.59	91	475614	19.546	ug/l	99
75) 2-Chlorotoluene	12.67	91	288906	19.584	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	375638	20.051	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	30301	17.598	ug/l	96
78) 4-Chlorotoluene	12.77	91	263415	18.785	ug/l	98
79) tert-butylbenzene	12.99	119	329523	20.383	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	363225	19.888	ug/l	99
81) sec-Butylbenzene	13.17	105	415828	19.701	ug/l	99
82) p-Isopropyltoluene	13.29	119	377788	19.930	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	166200	18.382	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	151619	17.736	ug/l	99
85) n-Butylbenzene	13.61	91	268211	18.019	ug/l	98
86) Hexachloroethane	13.87	117	64721	20.401	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	171361	19.081	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16789	17.411	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	58864	17.532	ug/l	95
90) Hexachlorobutadiene	15.00	225	73875	22.379	ug/l	98
91) Naphthalene	15.12	128	129721	15.851	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	66450	13.996	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
Data File : VN057025.D
Acq On : 1 Aug 2019 10:13
Operator : JC/SP
Sample : VN0801WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM

Quant Time: Aug 02 10:24:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 24 04:19:57 2019
Response via : Initial Calibration

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

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

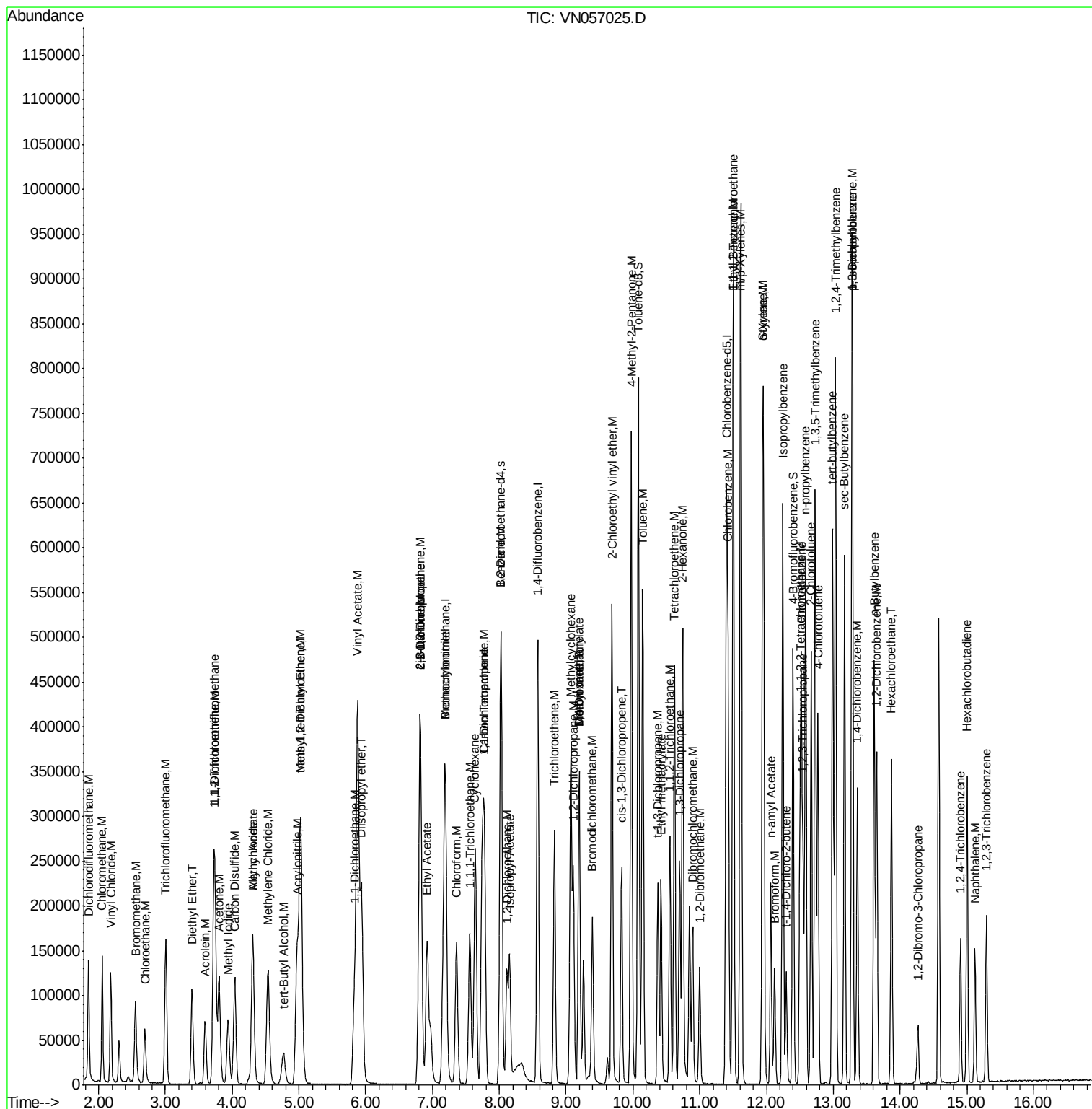
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
Data File : VN057025.D
Acq On : 1 Aug 2019 10:13
Operator : JC/SP
Sample : VN0801WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

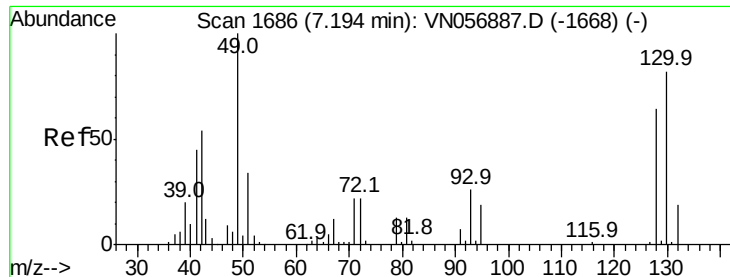
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM

Quant Time: Aug 02 10:24:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 24 04:19:57 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

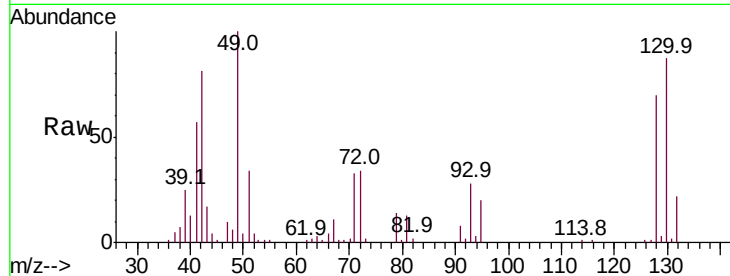
ClientSampled :

VN0801WBS01

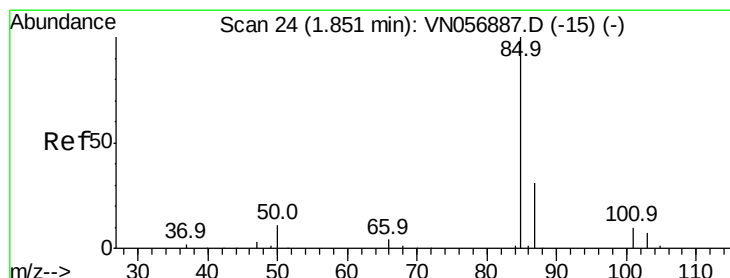
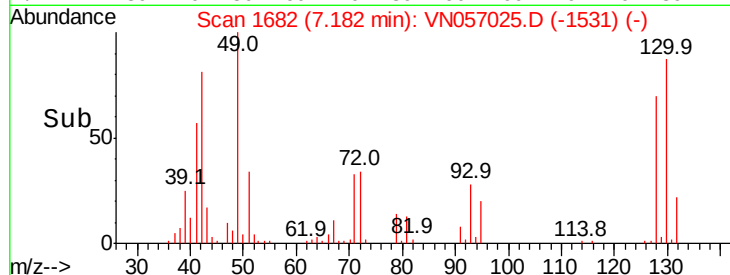
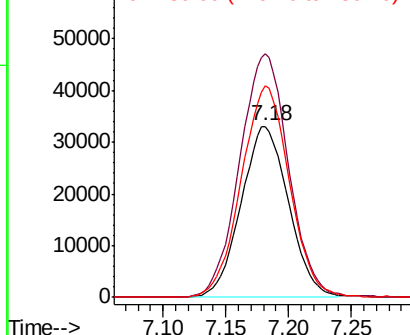
Tot Ion:	128	Resp:	86906
Ion	Ratio	Lower	Upper
128	100		
49	146.9	0.0	385.8
130	126.2	0.0	322.5

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.054 ug/l

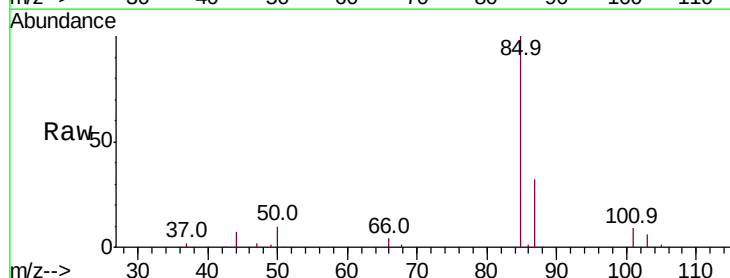
RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

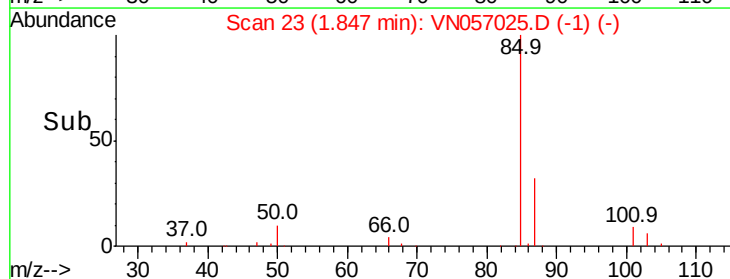
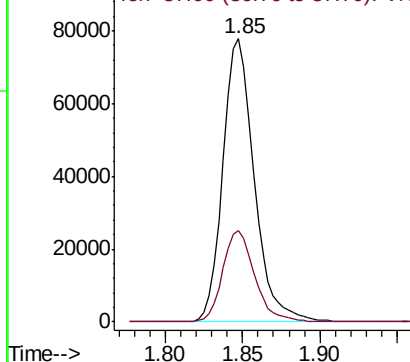
Lab File: VN057025.D

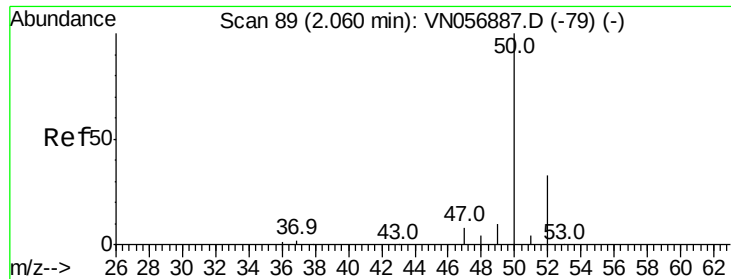
Acq: 1 Aug 2019 10:13

Tgt Ion:	85	Resp:	109396
Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.6	46.8



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





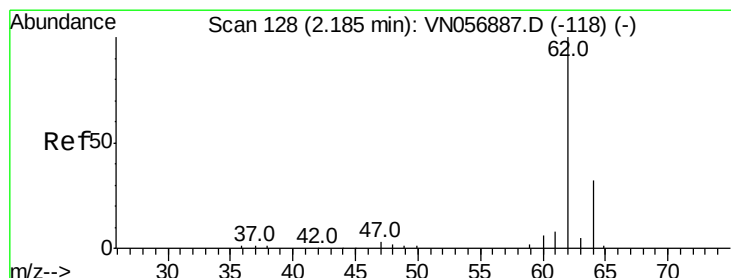
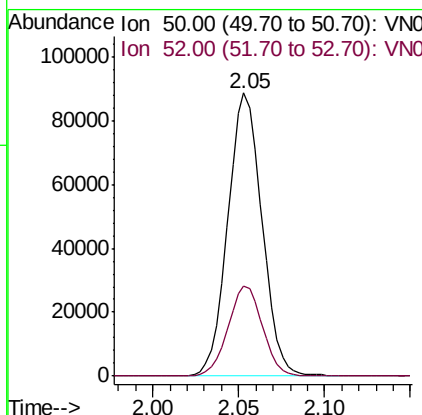
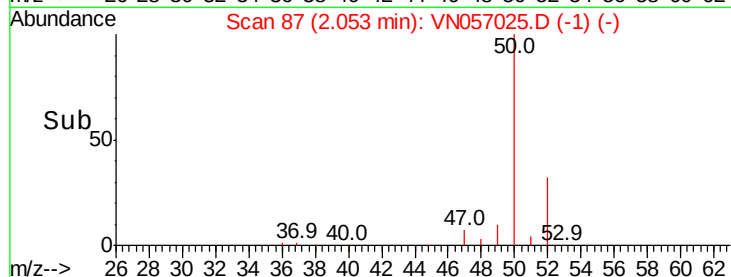
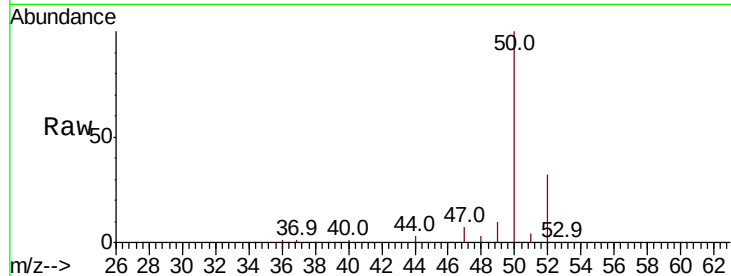
#3
Chloromethane
Concen: 19.261 ug/l
RT: 2.05 min Scan# 87
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion: 50 Resp: 122126
Ion Ratio Lower Upper
50 100
52 31.9 26.2 39.2

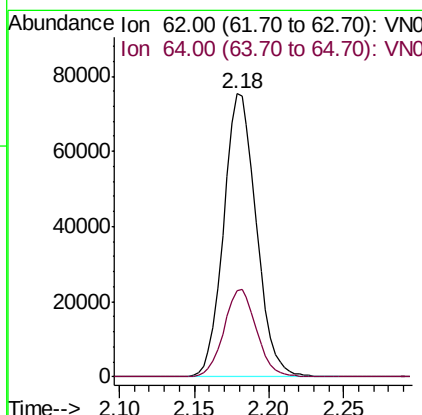
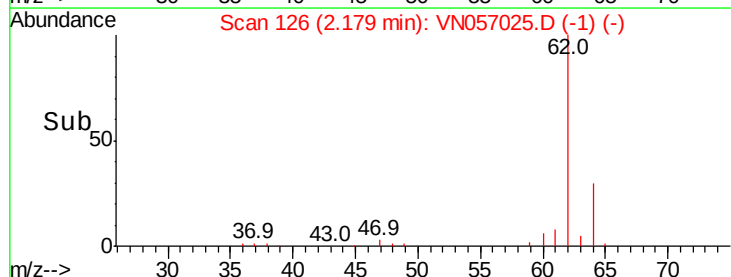
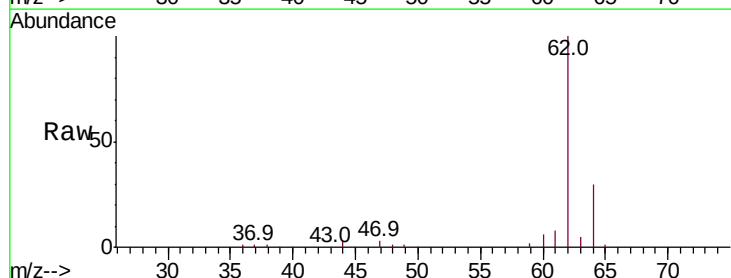
Manual Integrations
APPROVED

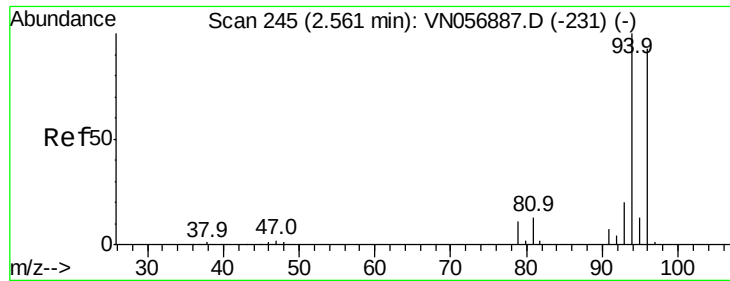
MMDadoda
8/2/2019 10:44:55 AM



#4
Vinyl Chloride
Concen: 18.735 ug/l
RT: 2.18 min Scan# 126
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion: 62 Resp: 114532
Ion Ratio Lower Upper
62 100
64 30.4 25.4 38.0





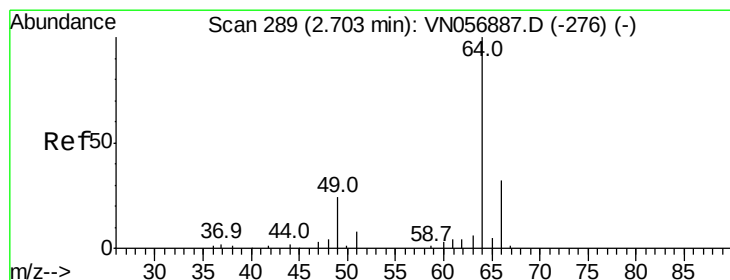
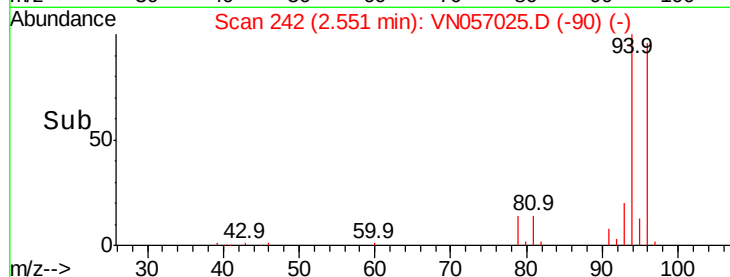
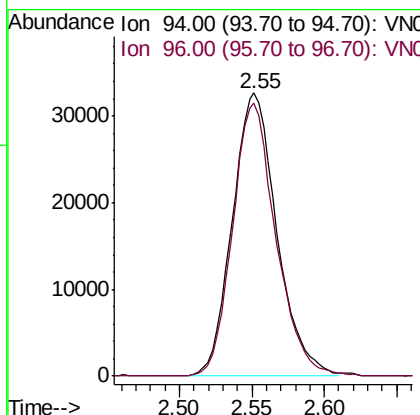
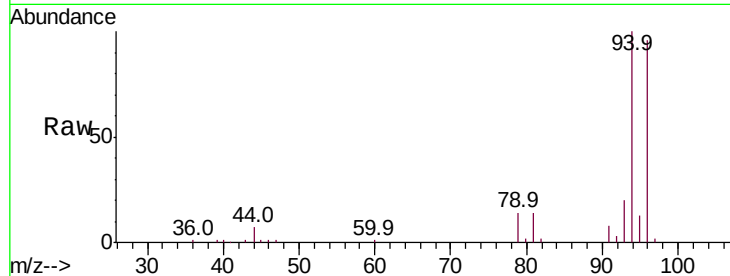
#5
Bromomethane
Concen: 18.544 ug/l
RT: 2.55 min Scan# 242
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion: 94 Resp: 69603
Ion Ratio Lower Upper
94 100
96 96.5 74.7 112.1

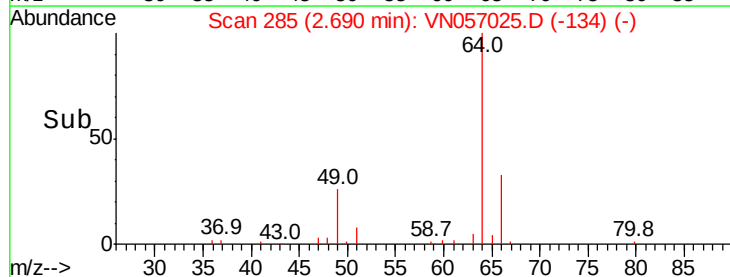
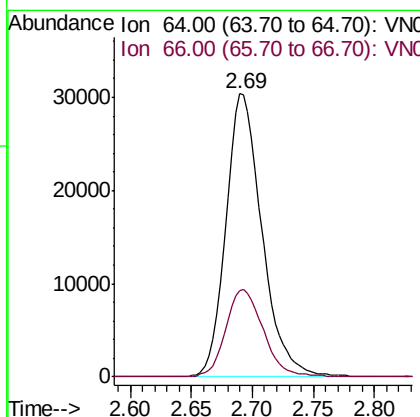
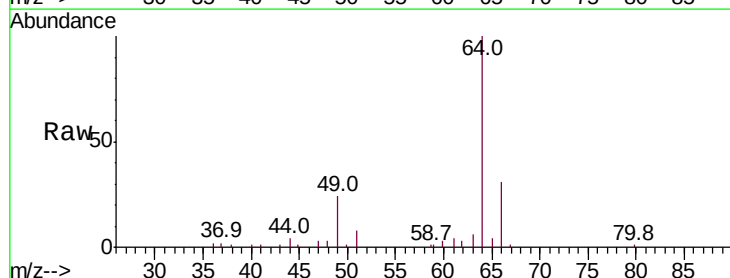
Manual Integrations
APPROVED

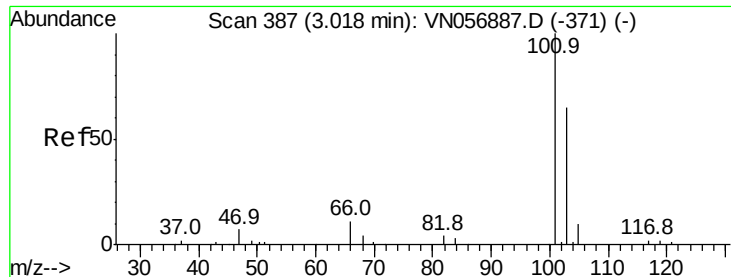
MMDadoda
8/2/2019 10:44:55 AM



#6
Chloroethane
Concen: 18.469 ug/l
RT: 2.69 min Scan# 285
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion: 64 Resp: 62626
Ion Ratio Lower Upper
64 100
66 30.6 25.8 38.8





#7

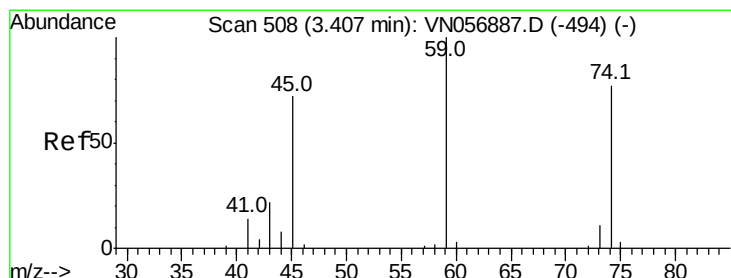
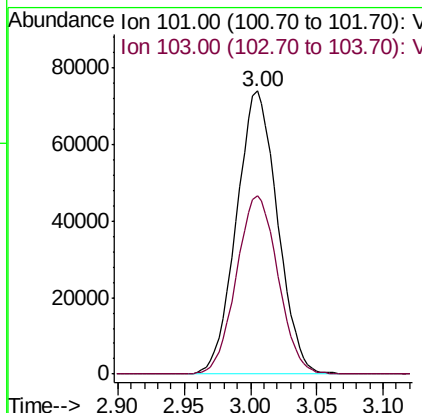
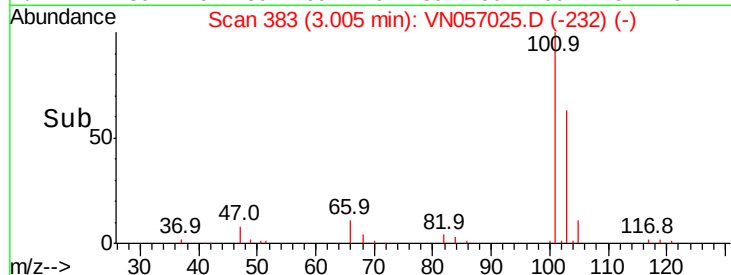
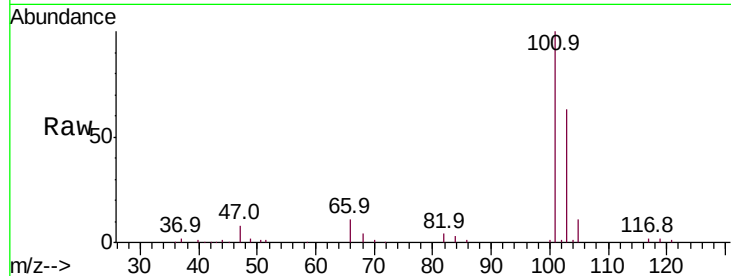
Trichlorofluoromethane
 Concen: 21.407 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	52.2	78.4

Manual Integrations
 APPROVED

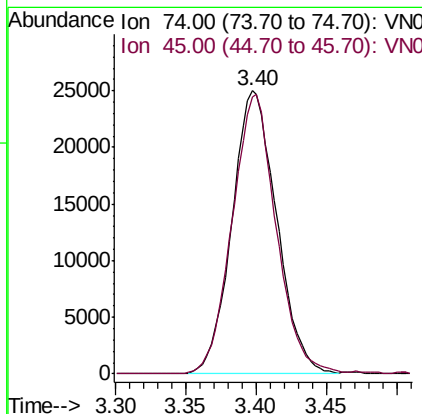
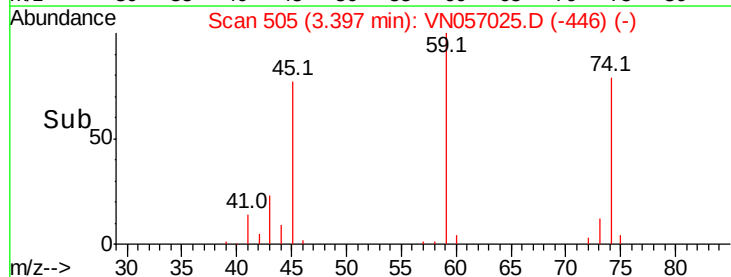
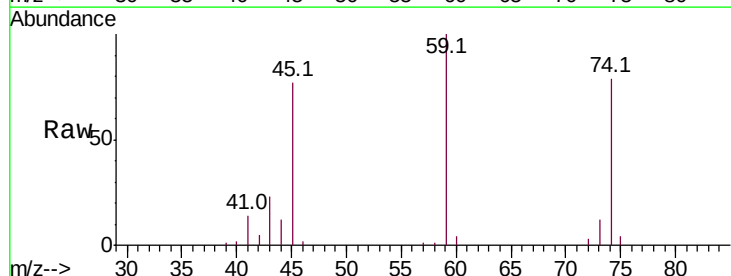
MMDadoda
 8/2/2019 10:44:55 AM

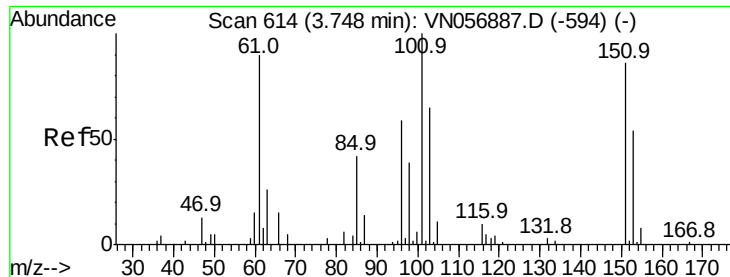


#8

Diethyl Ether
 Concen: 19.994 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	19.5	175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.608 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

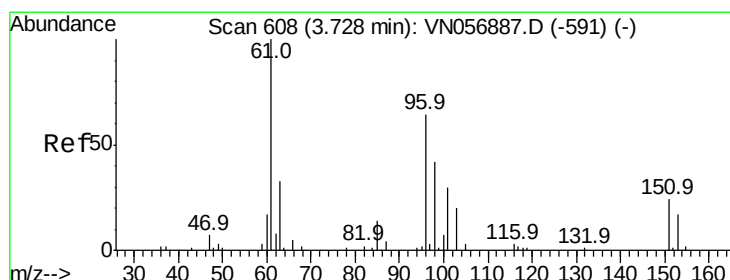
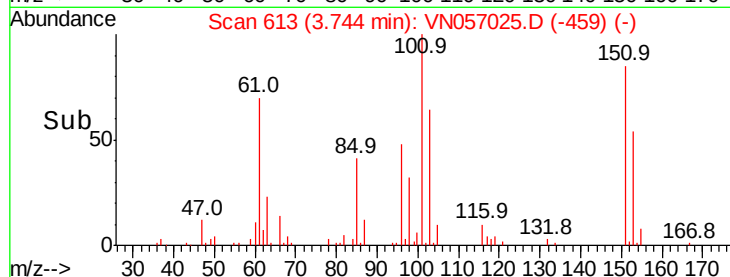
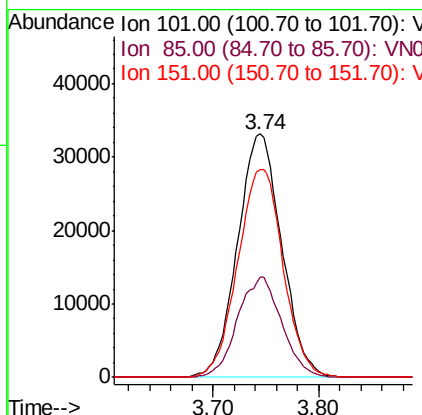
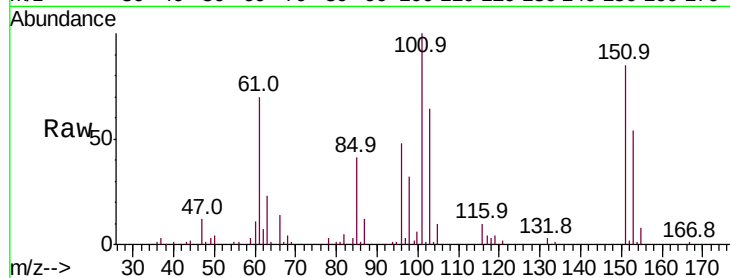
ClientSampled :

VN0801WBS01

Tot Ion:	101	Resp:	96348
Ion Ratio	Lower	Upper	
101	100		
85	41.1	0.0	85.0
151	87.8	0.0	167.2

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM



#10

1,1-Dichloroethene

Concen: 19.710 ug/l

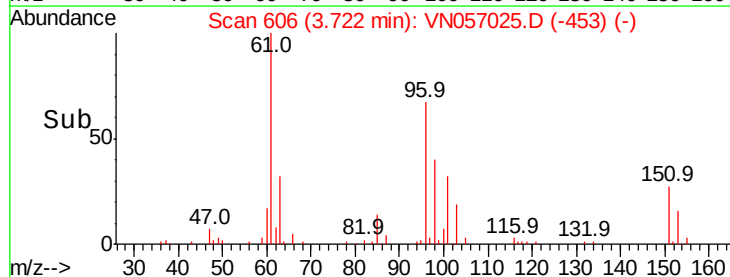
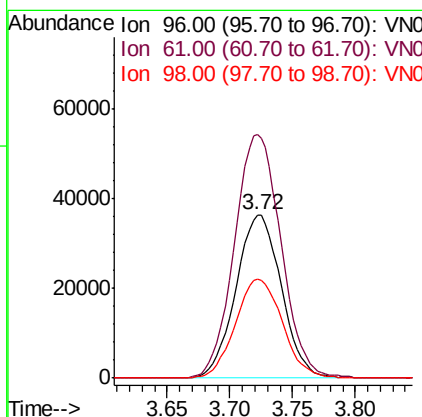
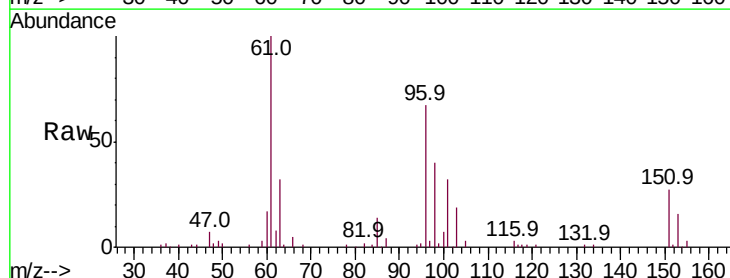
RT: 3.72 min Scan# 606

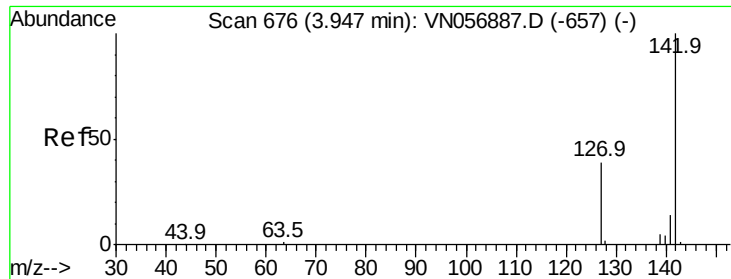
Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Tgt Ion:	96	Resp:	91445
Ion Ratio	Lower	Upper	
96	100		
61	148.4	125.8	188.8
98	60.3	52.7	79.1





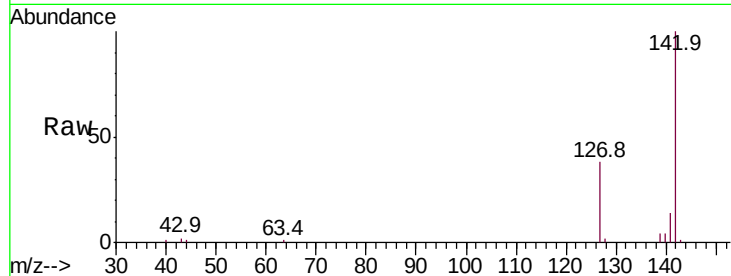
#11
Methyl Iodide
Concen: 18.138 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.8	19.6	58.8
141	14.0	7.2	21.6

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM

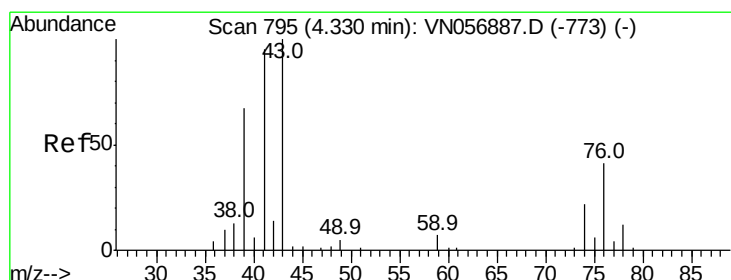
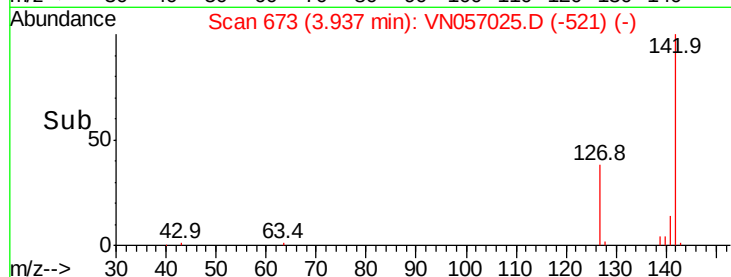
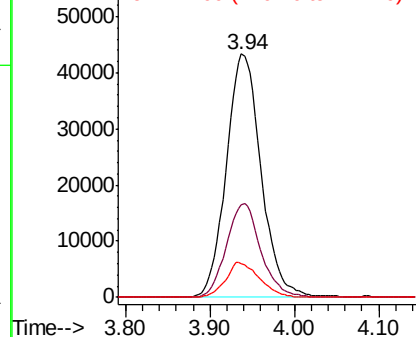


Abundance

Ion 142.00 (141.70 to 142.70): V

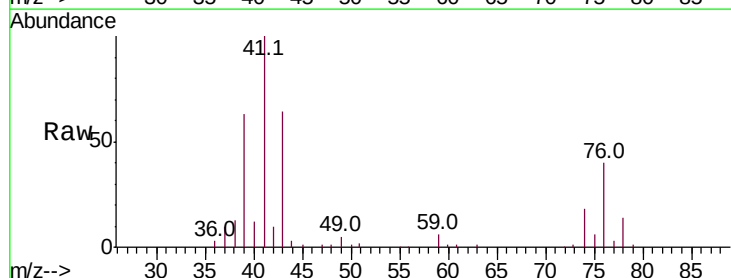
Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12
Methyl Acetate
Concen: 14.941 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

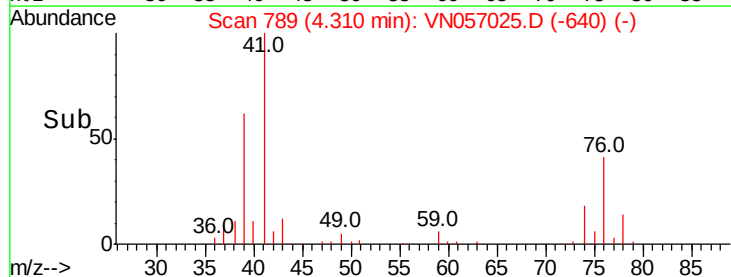
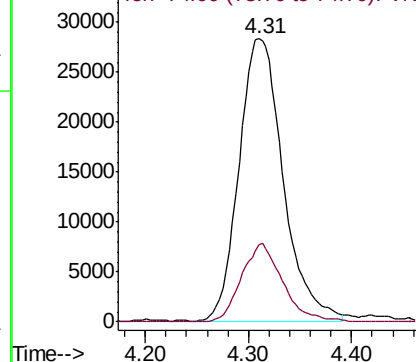
Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.2	18.1	27.1#

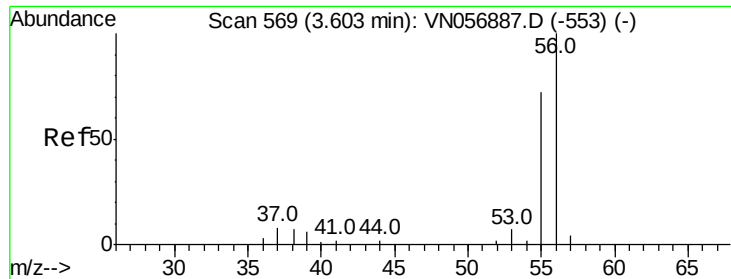


Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





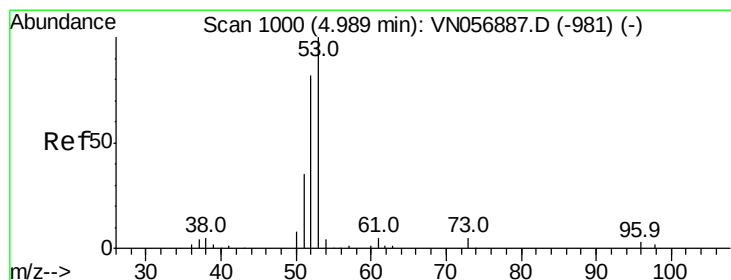
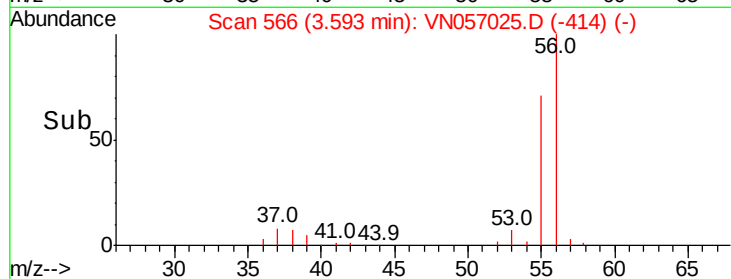
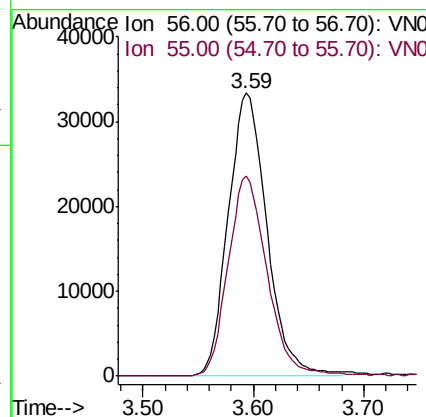
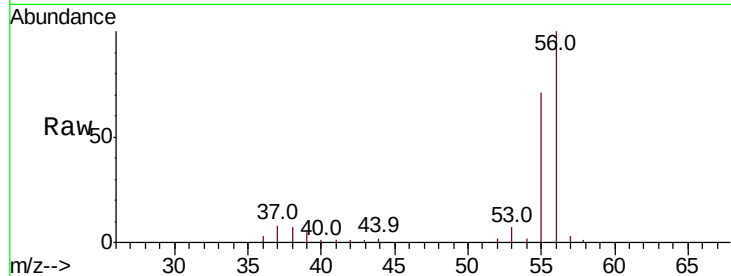
#13
Acrolein
Concen: 126.415 ug/l
RT: 3.59 min Scan# 566
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	56	Resp	81236
Ion Ratio	Lower	Upper	
56	100		
55	70.7	58.5	87.7

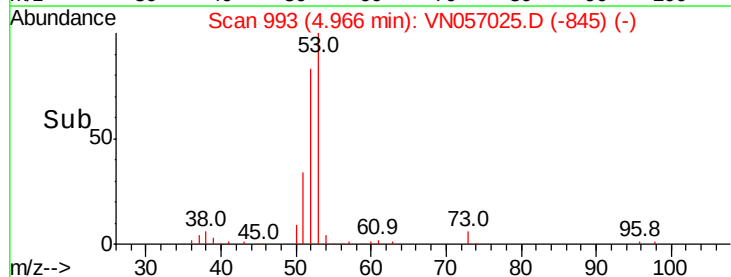
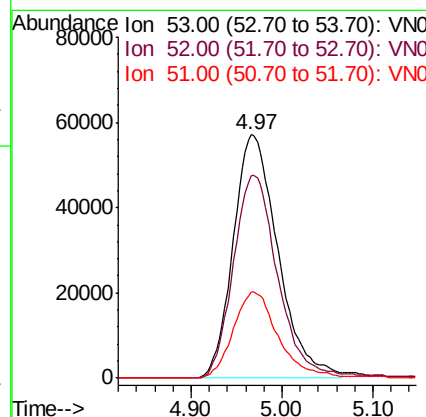
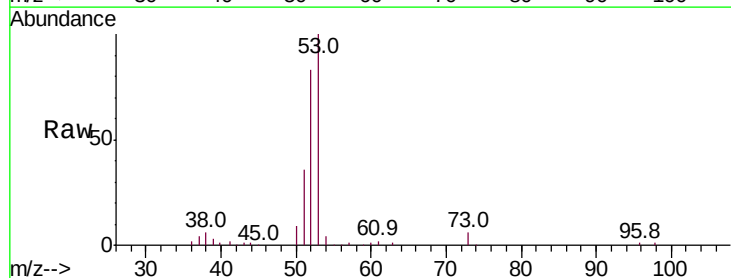
Manual Integrations
APPROVED

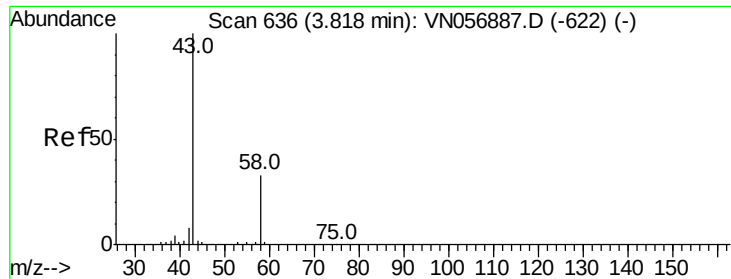
MMDadoda
8/2/2019 10:44:55 AM



#14
Acrylonitrile
Concen: 89.098 ug/l
RT: 4.97 min Scan# 993
Delta R.T. -0.02 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion	53	Resp	195107
Ion Ratio	Lower	Upper	
53	100		
52	82.2	40.8	122.5
51	34.8	17.4	52.2





#15

Acetone

Concen: 117.090 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS01

Tot Ion: 58 Resp: 66289

Ion Ratio Lower Upper

58 100

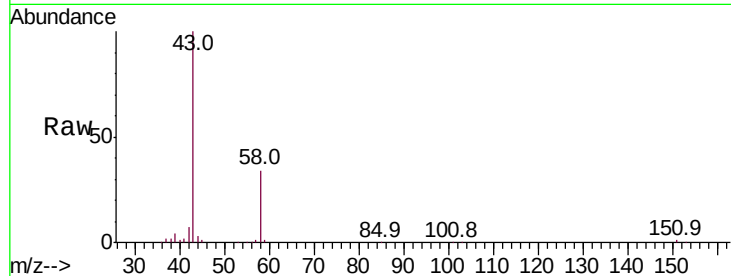
43 292.7 242.4 363.6

Manual Integrations

APPROVED

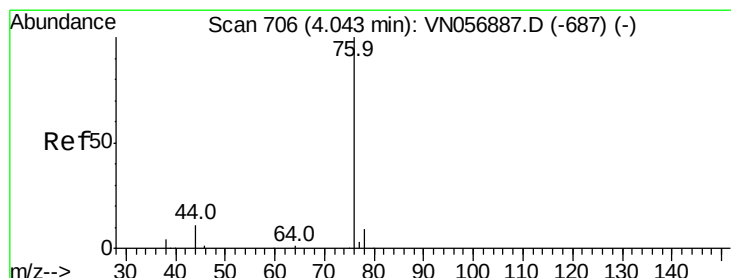
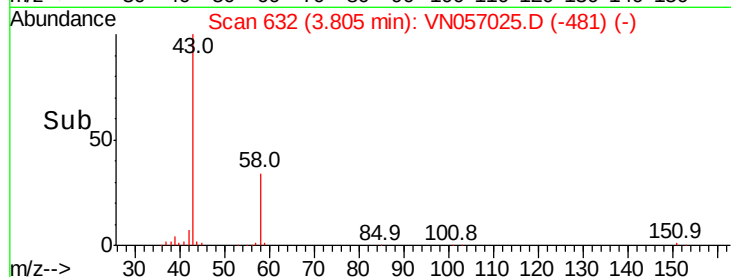
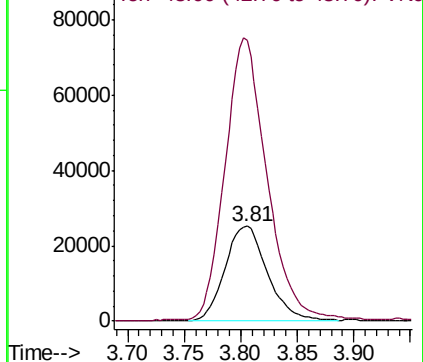
MMDadoda

8/2/2019 10:44:55 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.287 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN057025.D

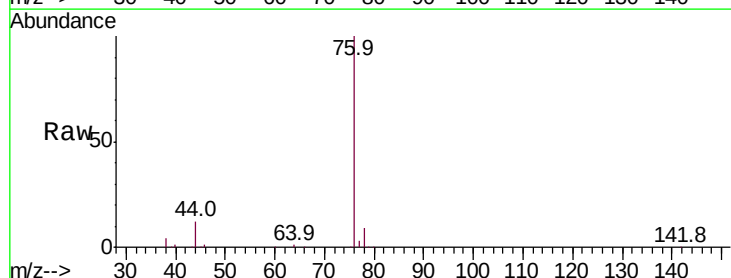
Acq: 1 Aug 2019 10:13

Tgt Ion: 76 Resp: 241288

Ion Ratio Lower Upper

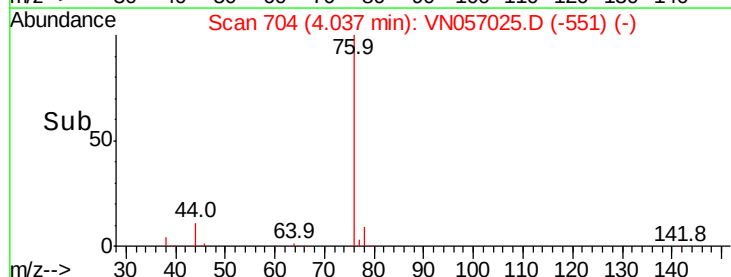
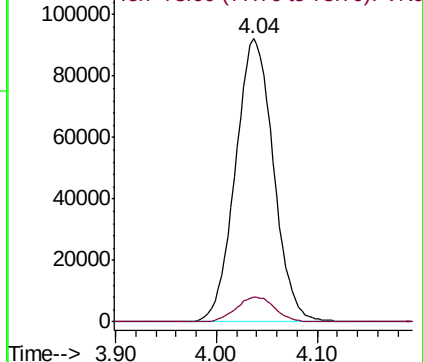
76 100

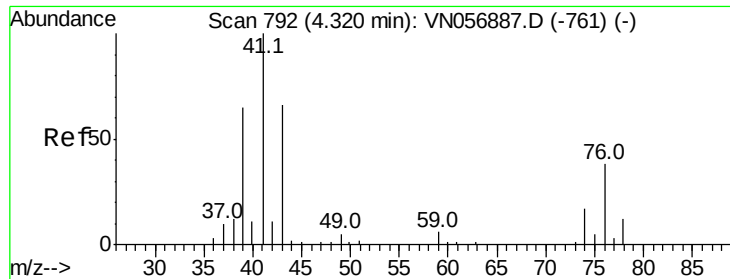
78 8.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





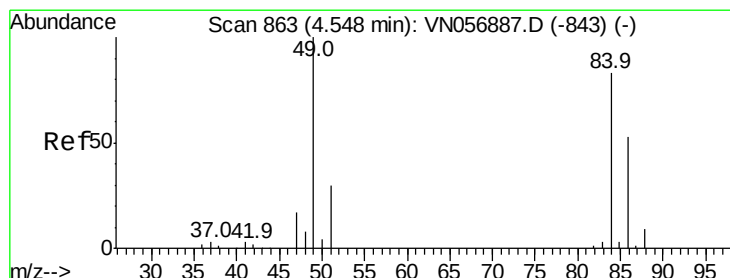
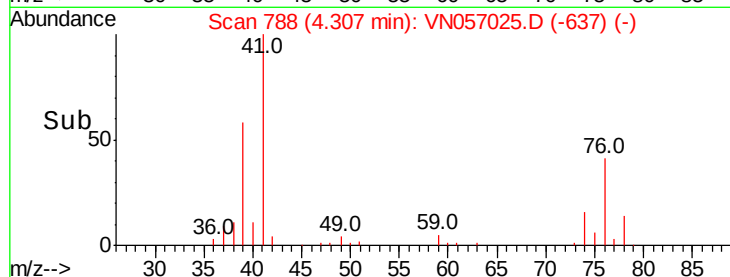
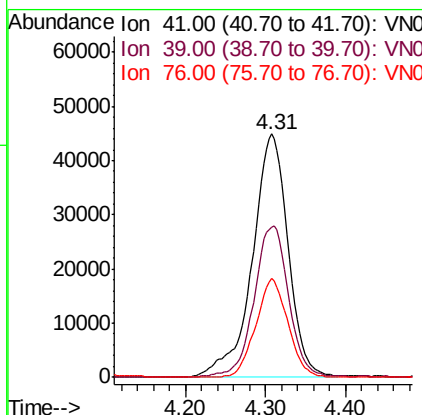
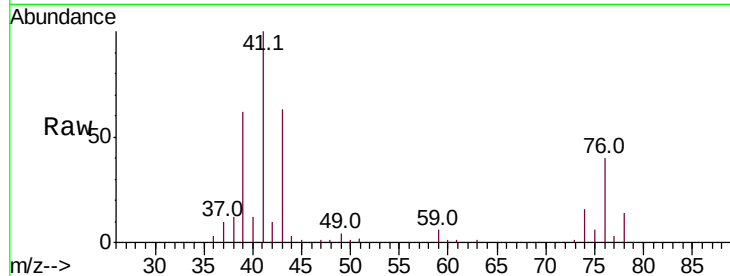
#17
Allvl chloride
Concen: 17.828 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	138413		
39	61.7		32.4	97.0
76	40.5		19.0	57.0

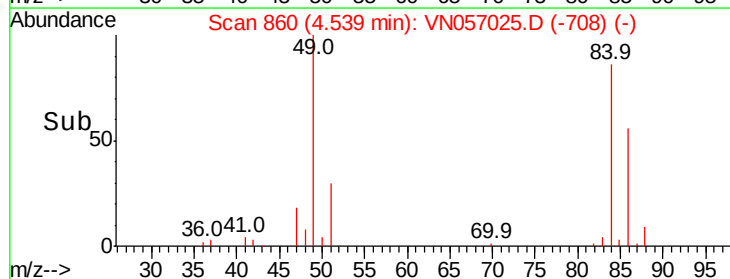
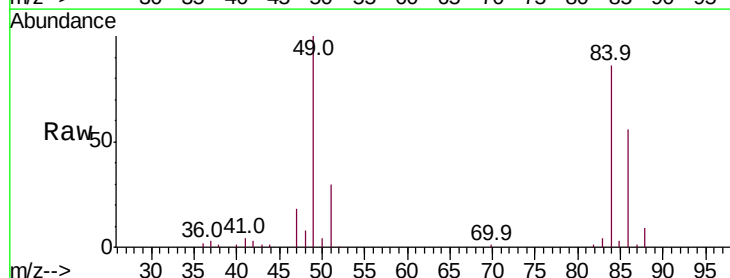
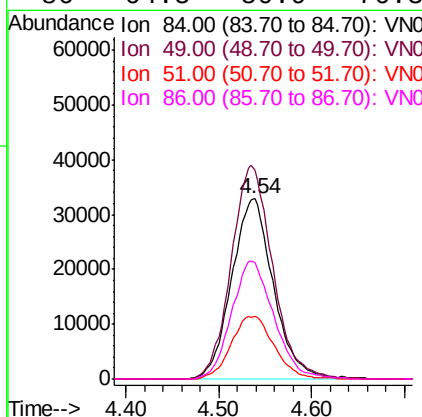
Manual Integrations
APPROVED

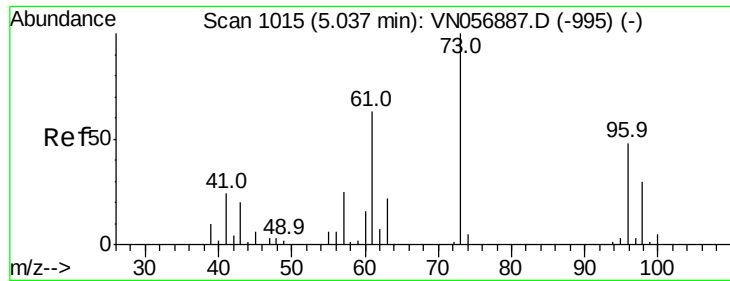
MMDadoda
8/2/2019 10:44:55 AM



#18
Methylene Chloride
Concen: 19.032 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	102774		
49	115.9		96.3	144.5
51	34.5		28.8	43.2
86	64.5		50.9	76.3





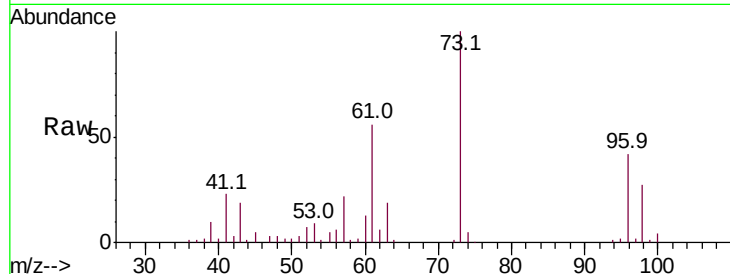
#19
trans-1,2-Dichloroethene
Concen: 19.930 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	105.4	158.0
98	64.7	50.8	76.2

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM

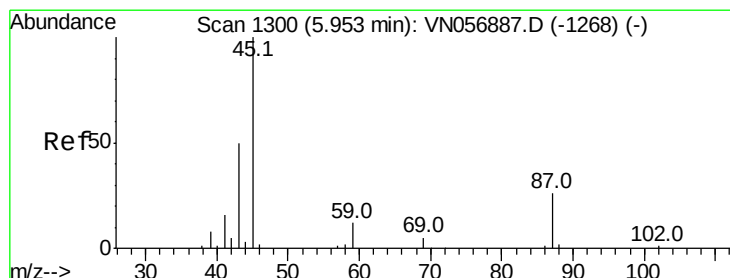
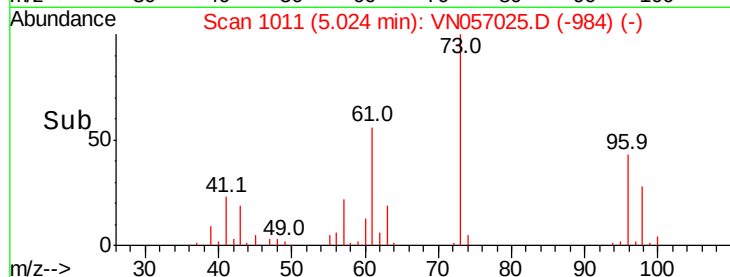
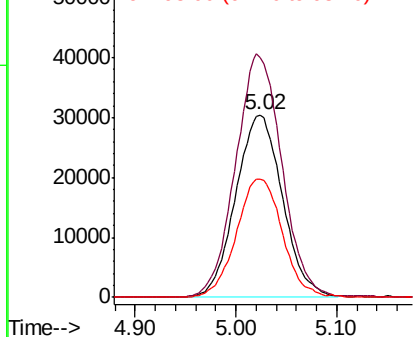


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 18.609 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.02 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	47.4	71.0
87	29.1	21.7	32.5
59	12.0	9.3	13.9

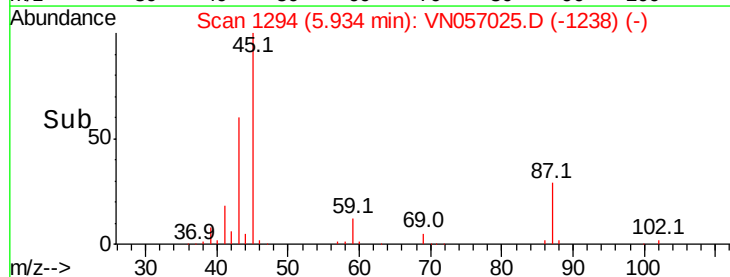
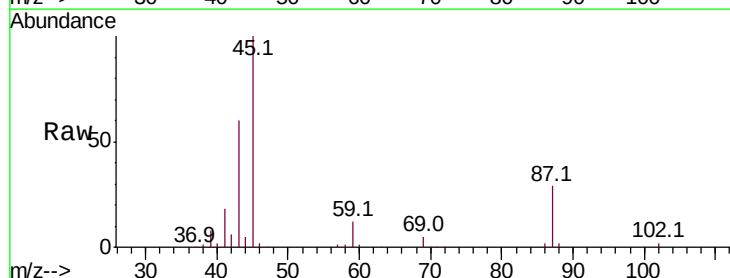
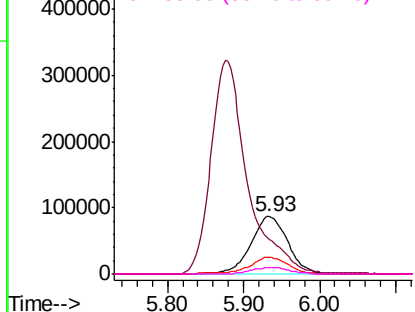
Abundance

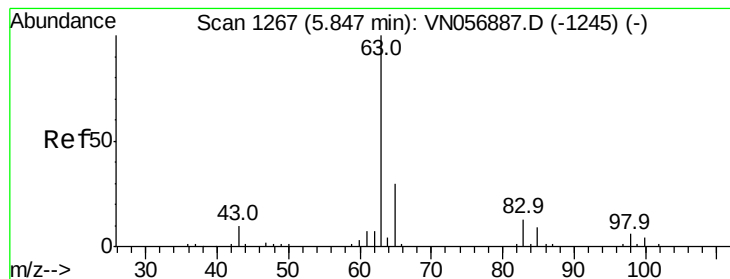
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 18.752 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

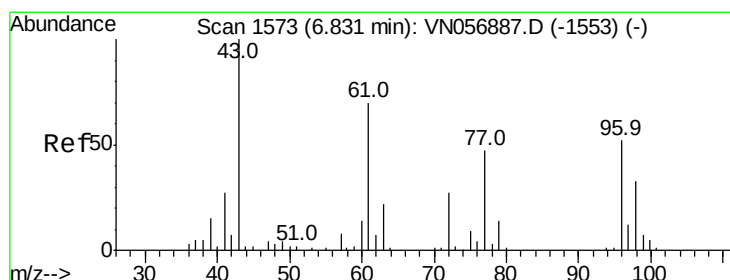
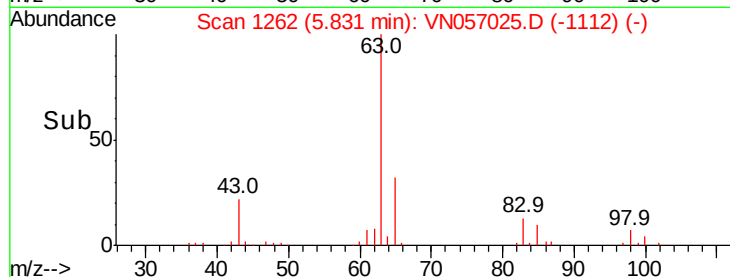
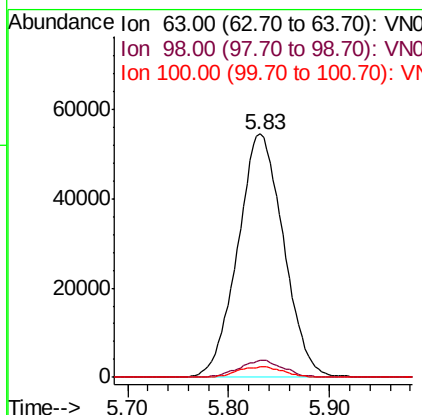
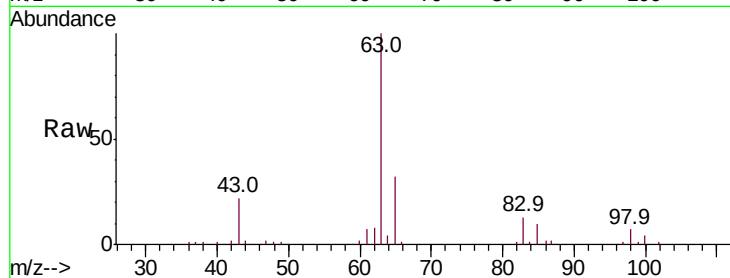
ClientSampled :

VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.9	3.1	9.3	
100	4.3	1.8	5.5	

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM



#22

cis-1,2-Dichloroethene

Concen: 19.205 ug/l

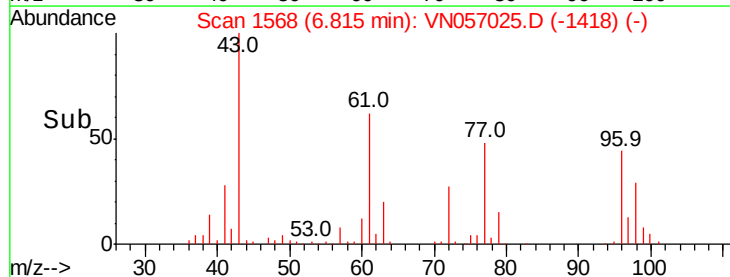
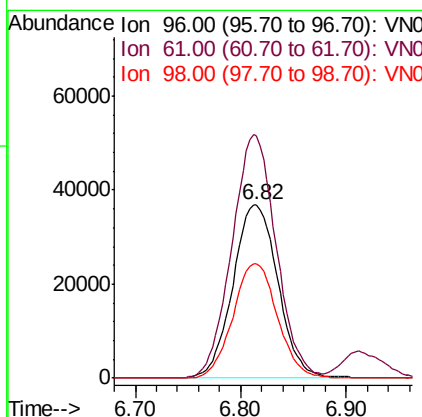
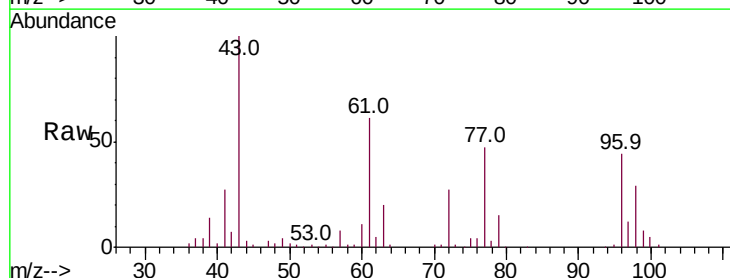
RT: 6.82 min Scan# 1568

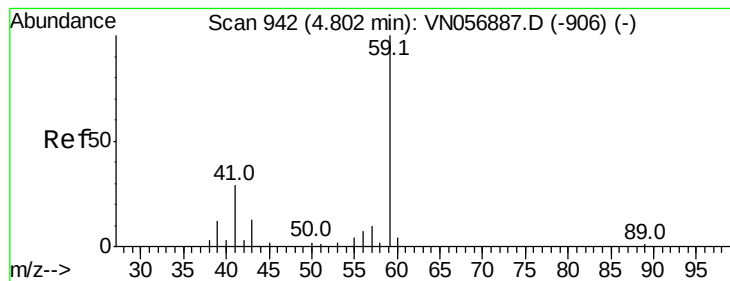
Delta R.T. -0.02 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.2	111.6	167.4	
98	65.2	51.0	76.4	





#23

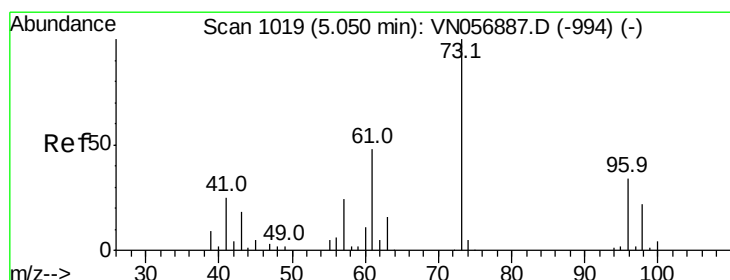
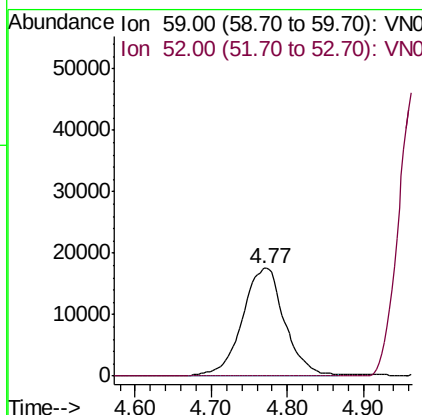
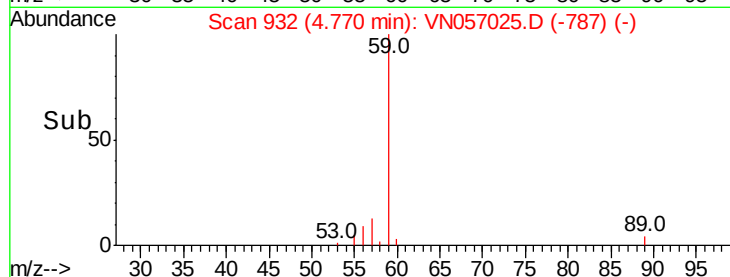
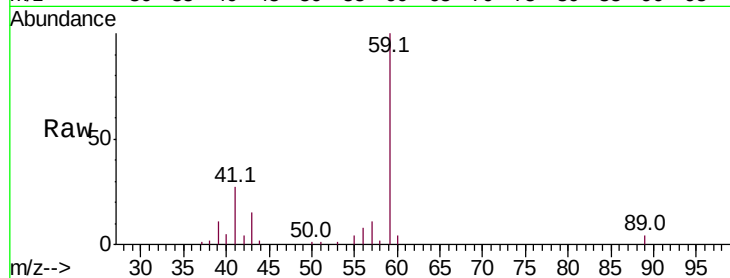
tert-Butyl Alcohol
 Concen: 93.151 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.03 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBS01

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.0	0.0	0.0	

Manual Integrations
 APPROVED

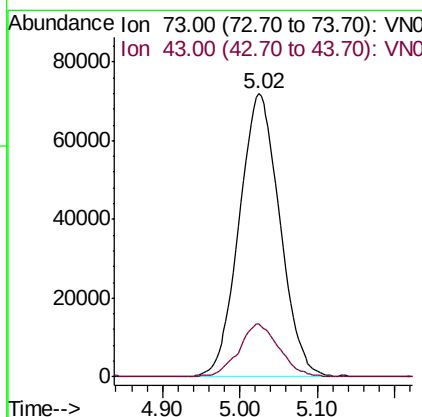
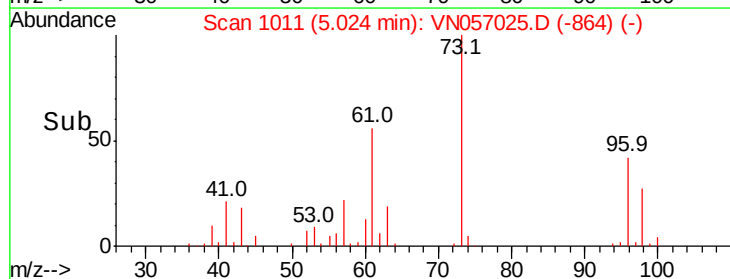
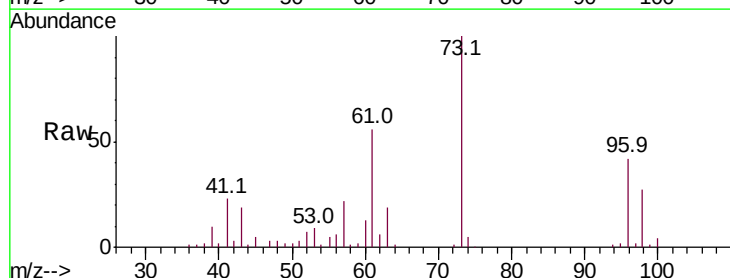
MMDadoda
 8/2/2019 10:44:55 AM

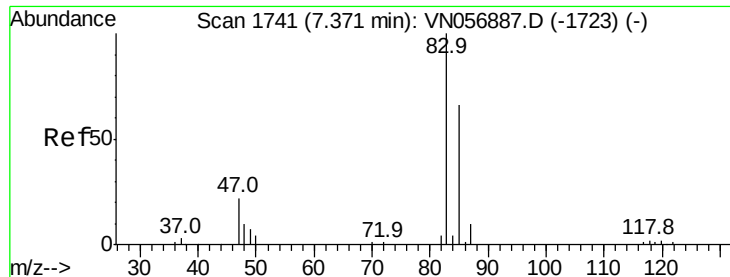


#24

Methyl tert-Butyl Ether
 Concen: 18.775 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. -0.03 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	18.5	15.4	23.0	





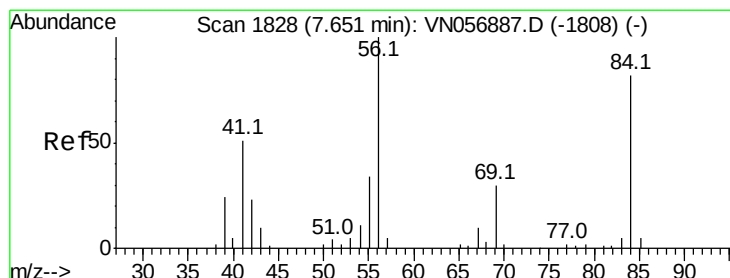
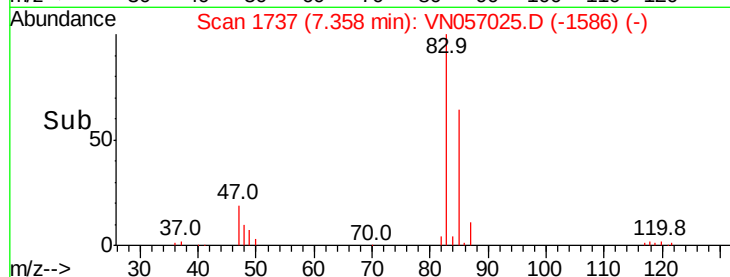
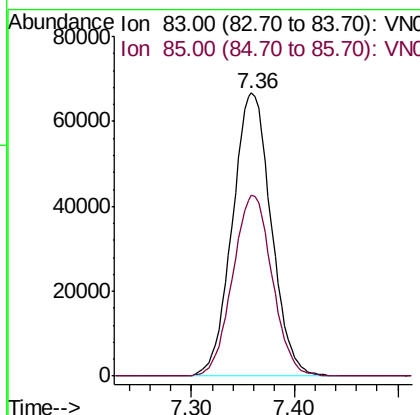
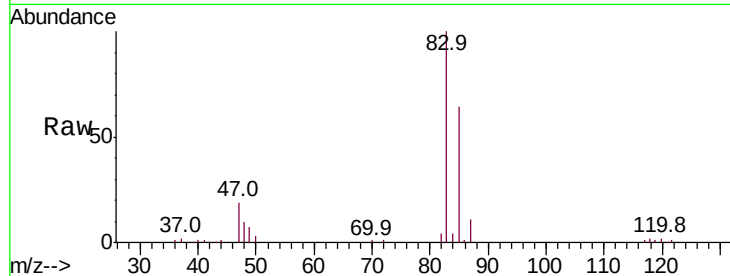
#25
Chloroform
Concen: 19.551 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion: 83 Resp: 174720
Ion Ratio Lower Upper
83 100
85 63.9 53.1 79.7

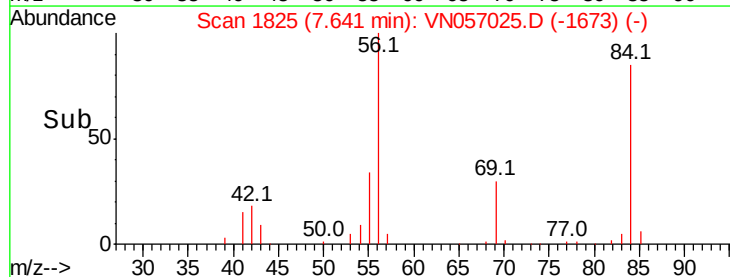
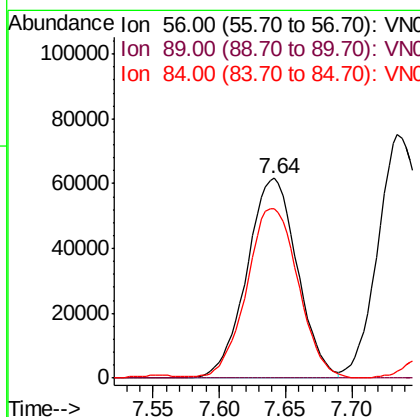
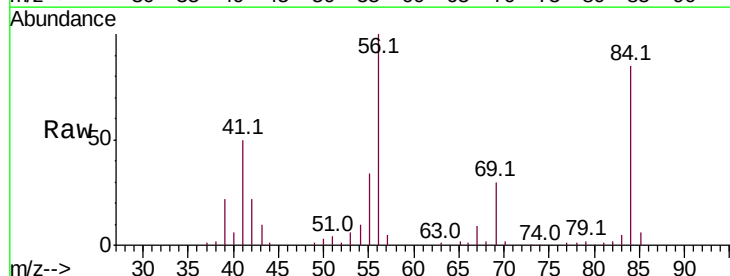
Manual Integrations
APPROVED

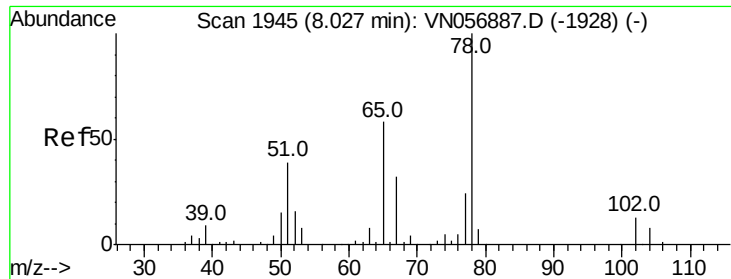
MMDadoda
8/2/2019 10:44:55 AM



#26
Cyclohexane
Concen: 19.412 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion: 56 Resp: 163356
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.4 67.8 101.6





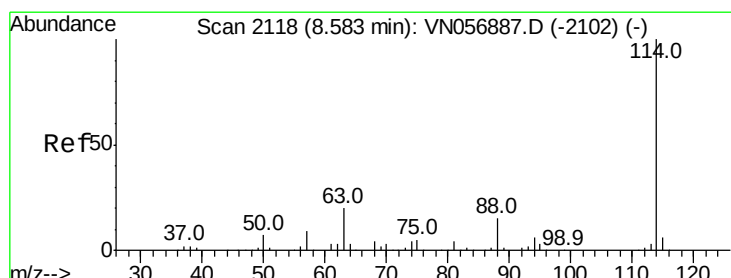
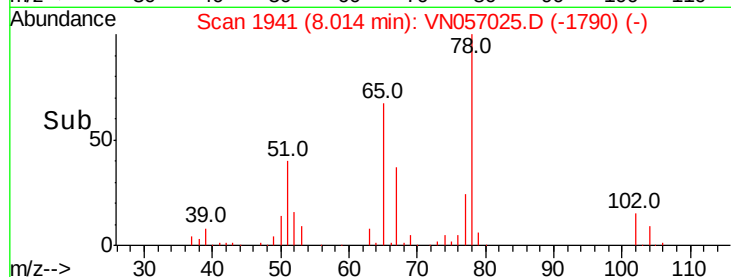
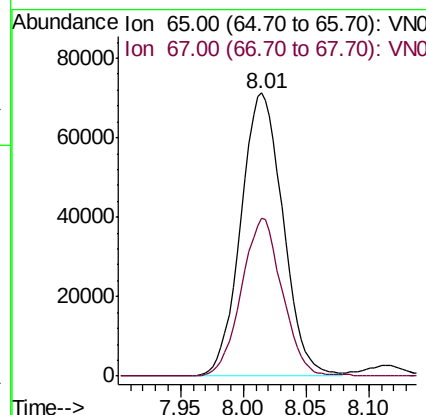
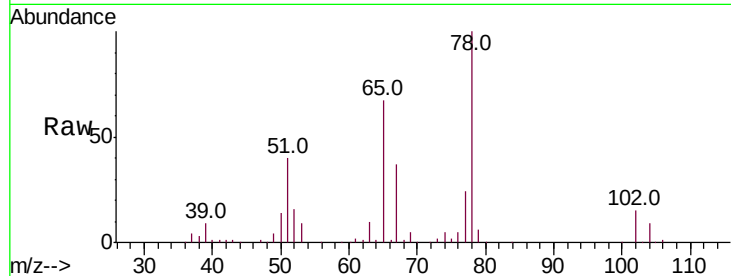
#27
 1,2-Dichloroethane-d4
 Concen: 29.319 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	44.6	66.8

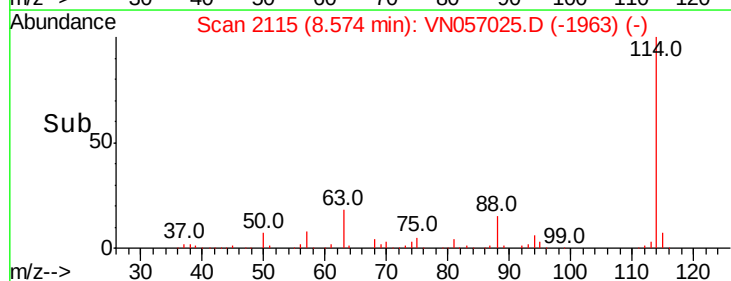
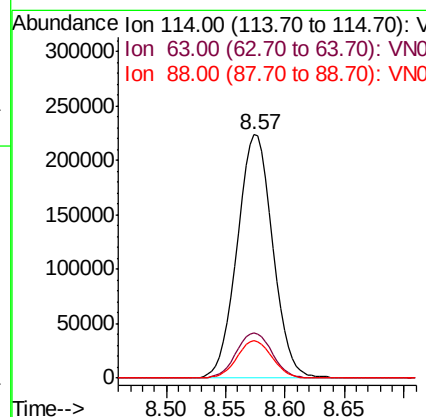
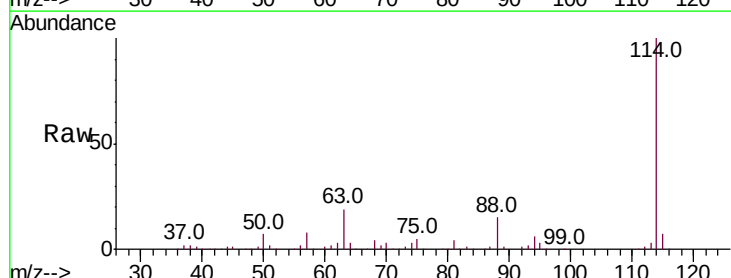
Manual Integrations
 APPROVED

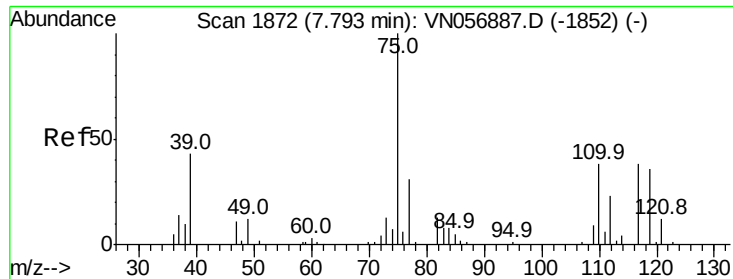
MMDadoda
 8/2/2019 10:44:55 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	15.8	23.6
88	15.2	12.5	18.7





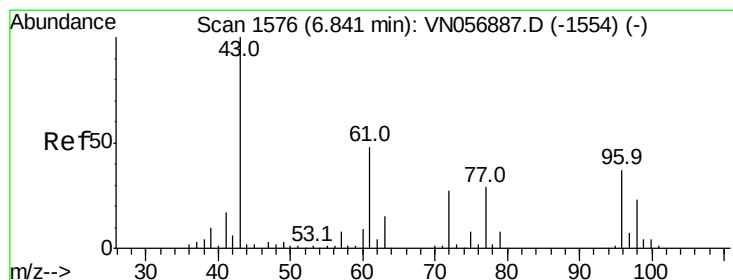
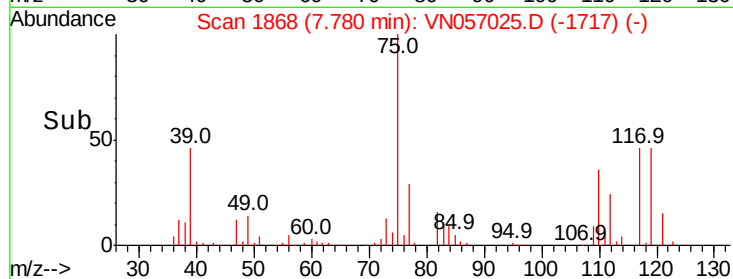
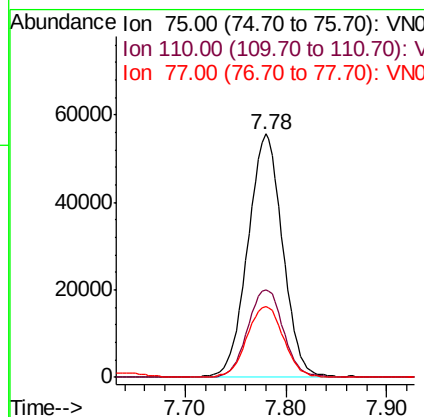
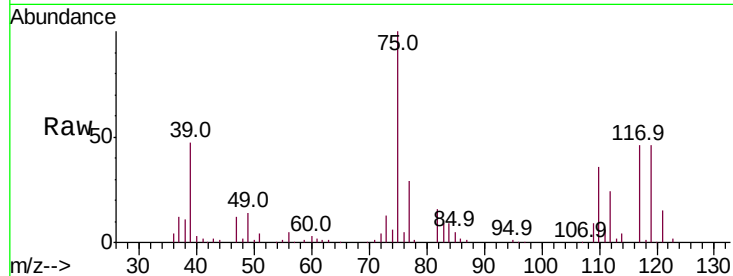
#29
 1,1-Dichloropropene
 Concen: 20.184 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.9	0.0	75.8
77	30.7	0.0	64.0

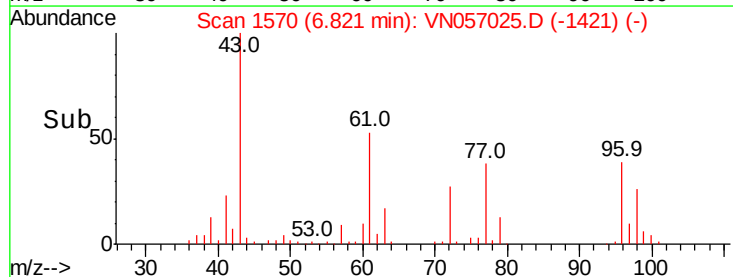
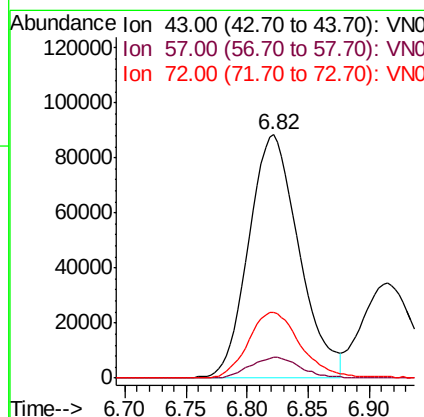
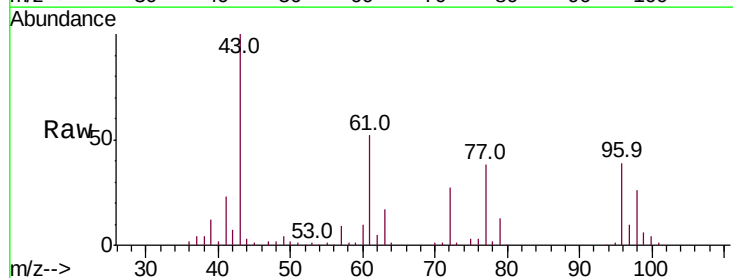
Manual Integrations
 APPROVED

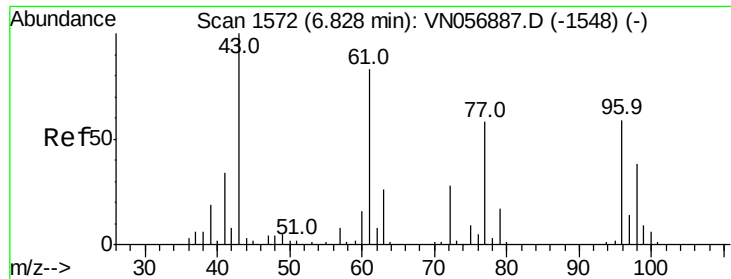
MMDadoda
 8/2/2019 10:44:55 AM



#30
 2-Butanone
 Concen: 95.036 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.7	6.5	9.7
72	28.2	22.1	33.1





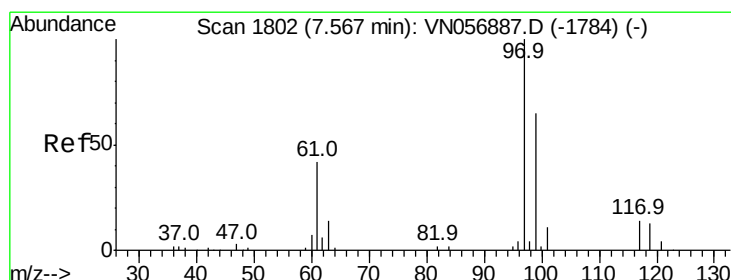
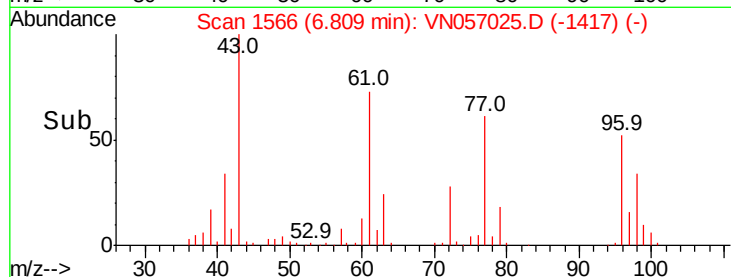
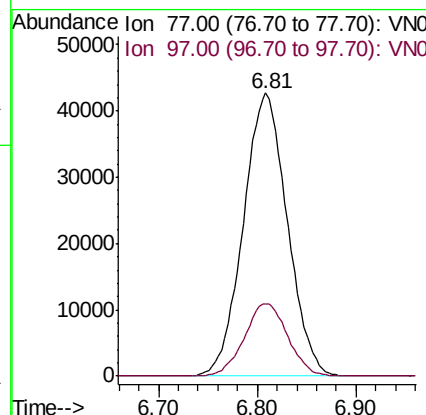
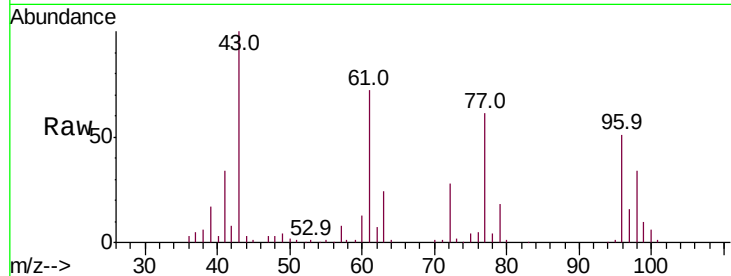
#31
 2,2-Dichloropropane
 Concen: 21.517 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBS01

Tot Ion: 77 Resp: 131655
 Ion Ratio Lower Upper
 77 100
 97 25.2 19.3 28.9

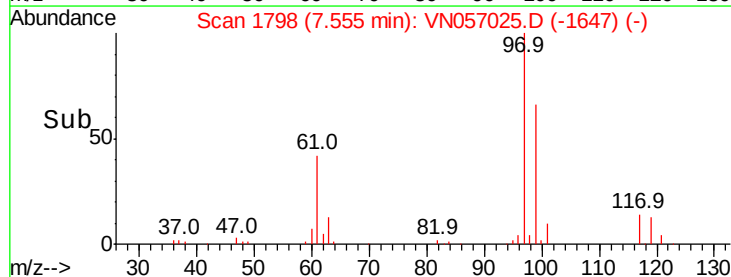
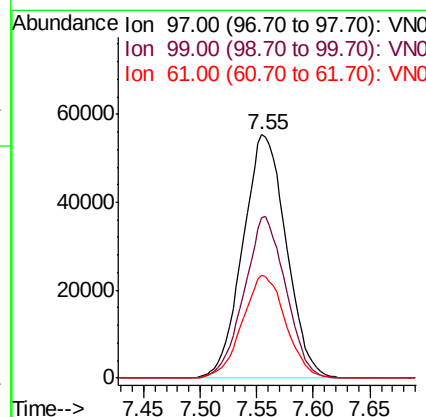
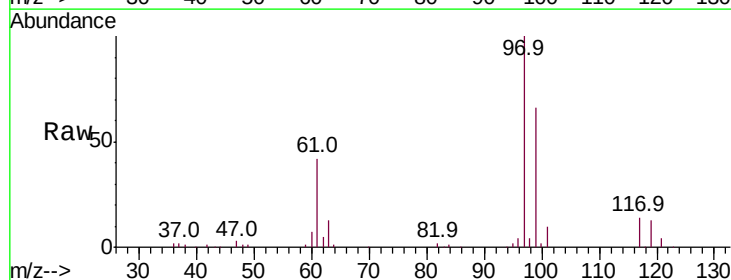
Manual Integrations
 APPROVED

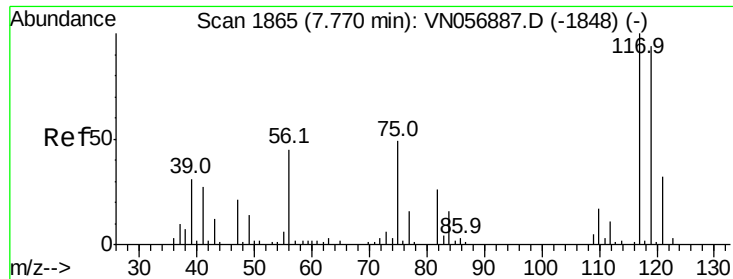
MMDadoda
 8/2/2019 10:44:55 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.393 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion: 97 Resp: 147734
 Ion Ratio Lower Upper
 97 100
 99 63.6 52.3 78.5
 61 42.1 34.4 51.6





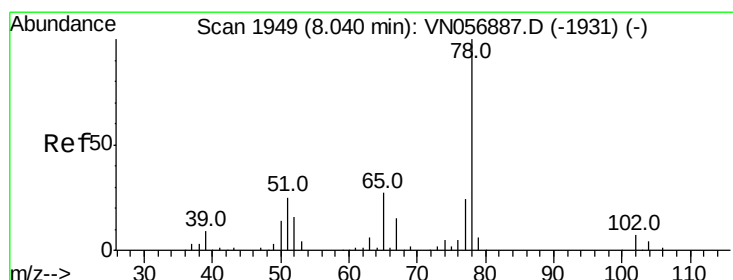
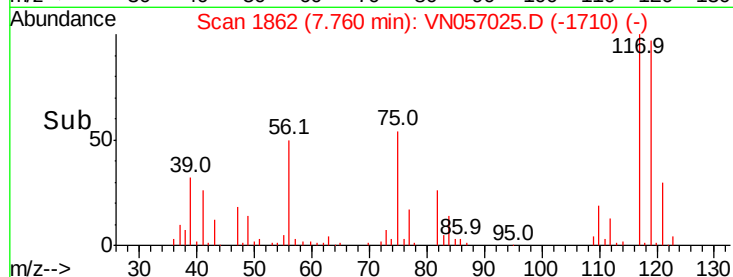
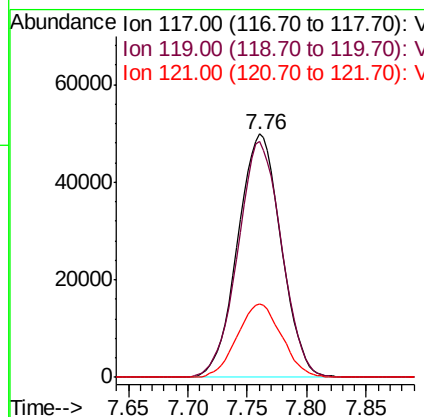
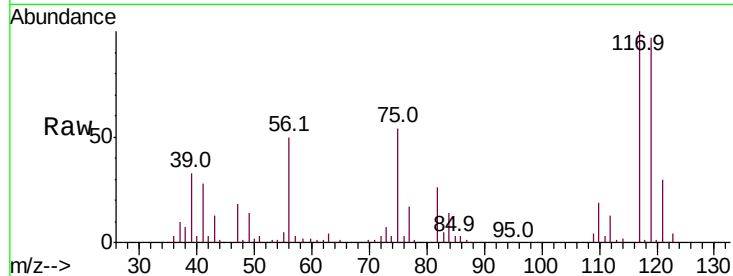
#33
Carbon Tetrachloride
Concen: 19.940 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.1	112.7
121	30.2	25.8	38.8

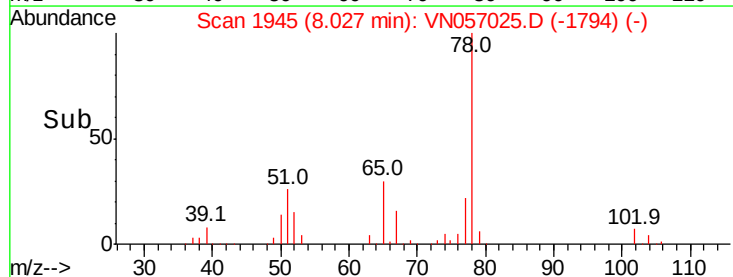
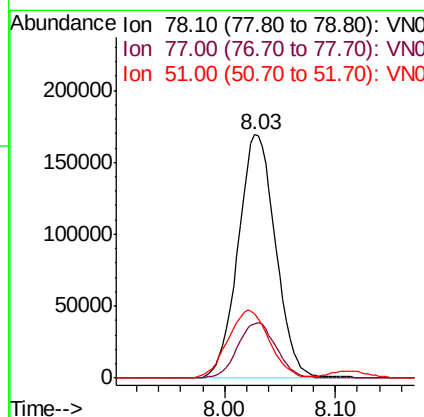
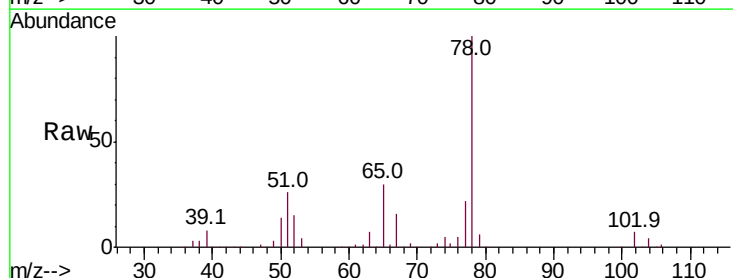
Manual Integrations
APPROVED

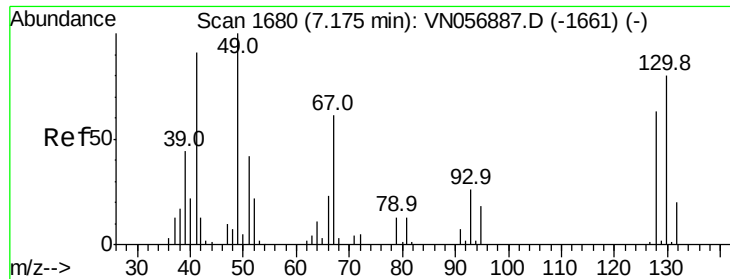
MMDadoda
8/2/2019 10:44:55 AM



#34
Benzene
Concen: 19.187 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.4	29.2
51	26.1	20.4	30.6





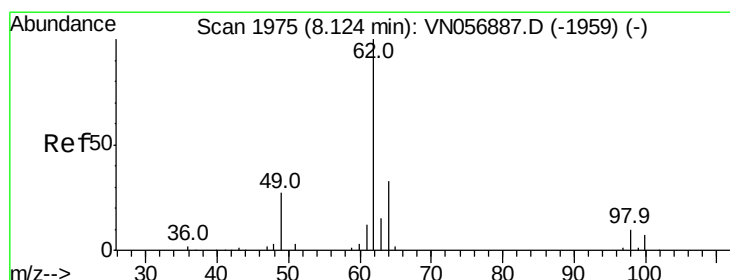
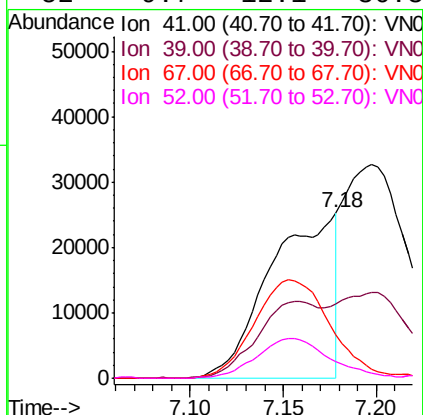
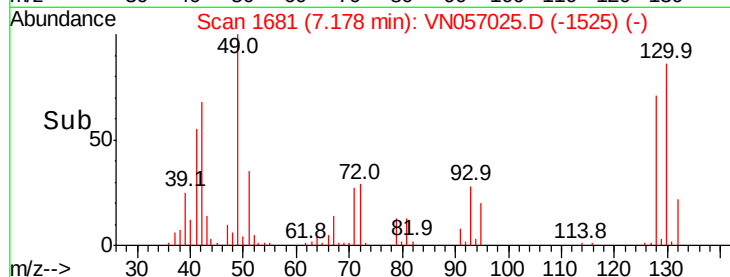
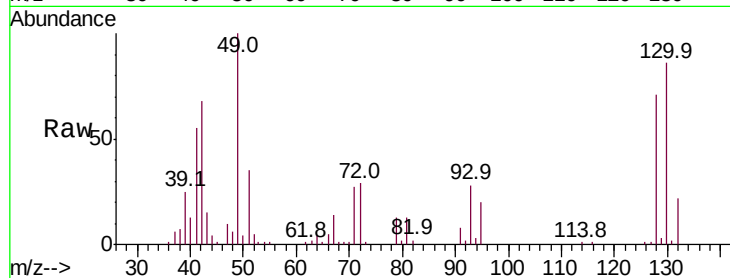
#35
Methacrylonitrile
Concen: 23.479 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion: 41 Resp: 62110
Ion Ratio Lower Upper
41 100
39 45.1 24.4 73.2
67 26.4 33.4 100.1#
52 9.7 12.1 36.3#

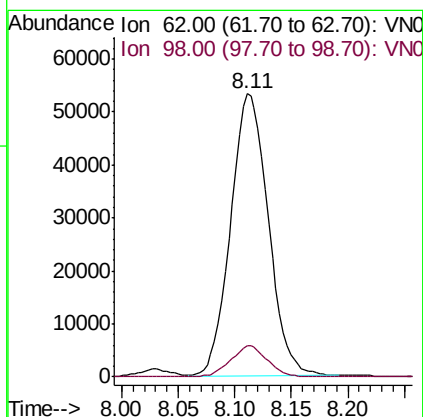
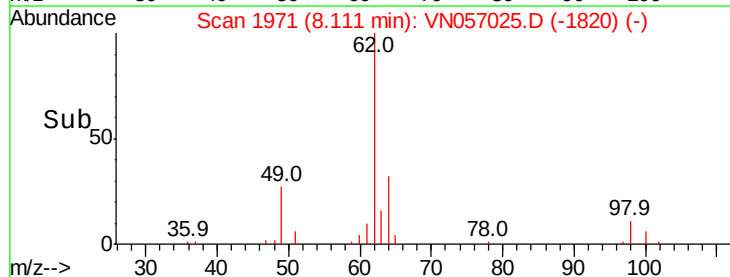
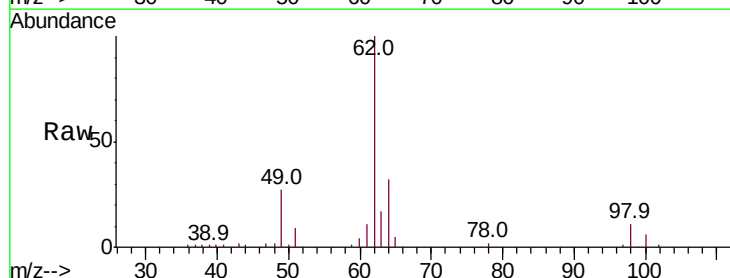
Manual Integrations
APPROVED

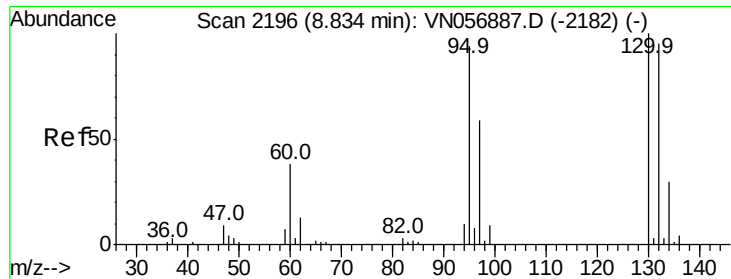
MMDadoda
8/2/2019 10:44:55 AM



#36
1,2-Dichloroethane
Concen: 19.137 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion: 62 Resp: 123595
Ion Ratio Lower Upper
62 100
98 10.6 7.7 11.5





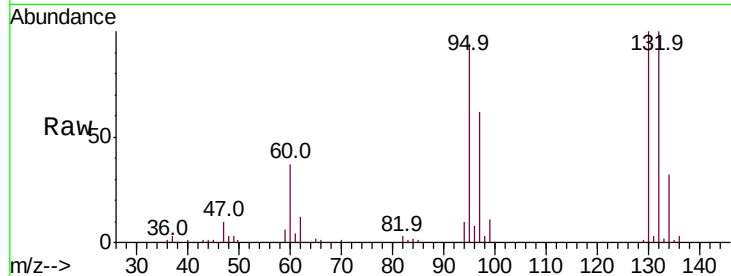
#37
 Trichloroethene
 Concen: 20.182 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

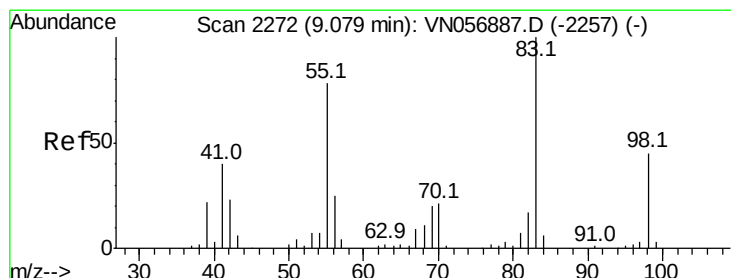
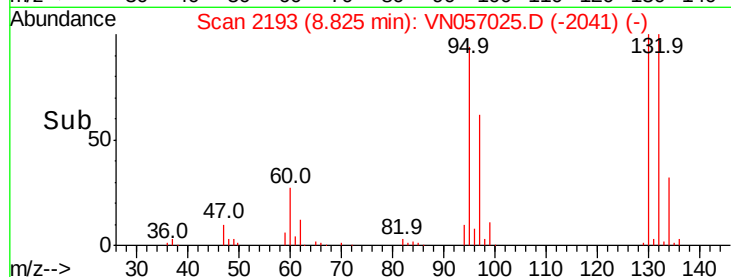
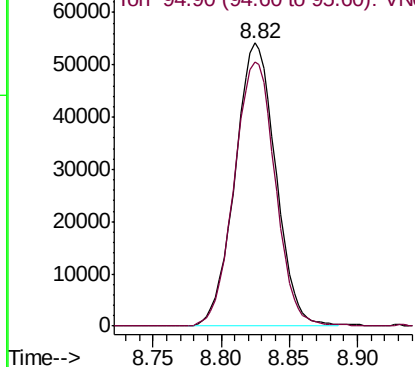
Tot Ion	Ratio	Resp	Lower	Upper
130	100	112405		
95	93.6	74.9	112.3	

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 10:44:55 AM

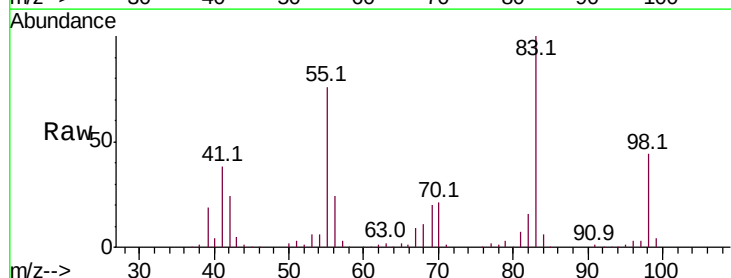


Abundance Ion 129.90 (129.60 to 130.60): VN056887.D (-2182) (-)
 Ion 94.90 (94.60 to 95.60): VN056887.D (-2182) (-)

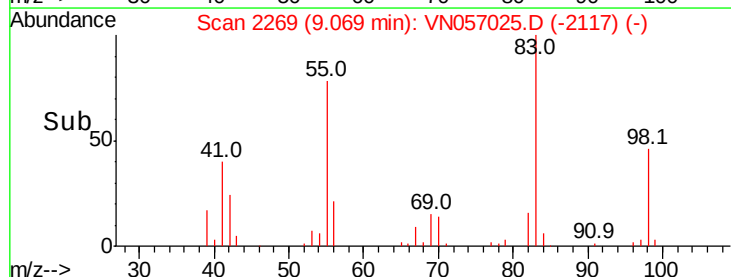
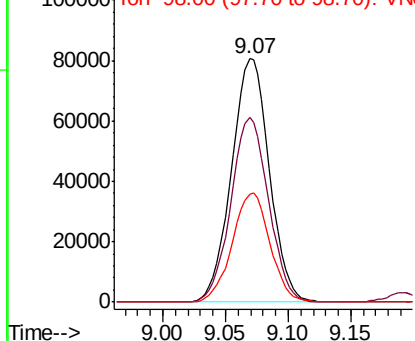


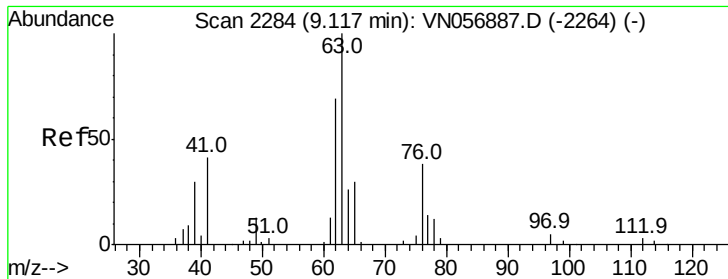
#38
 Methylcyclohexane
 Concen: 20.168 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	169152		
55	75.3	38.4	115.1	
98	44.7	22.7	68.0	



Abundance Ion 83.00 (82.70 to 83.70): VN056887.D (-2257) (-)
 Ion 55.00 (54.70 to 55.70): VN056887.D (-2257) (-)
 Ion 98.00 (97.70 to 98.70): VN056887.D (-2257) (-)





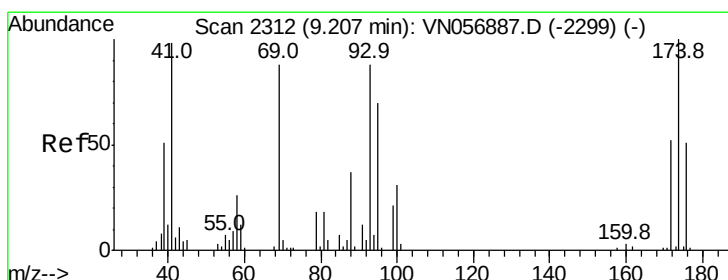
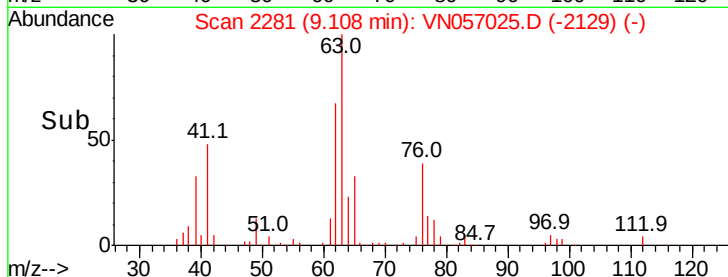
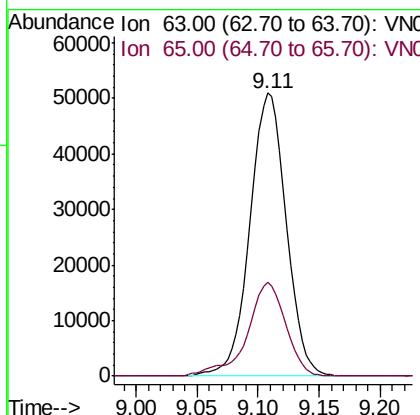
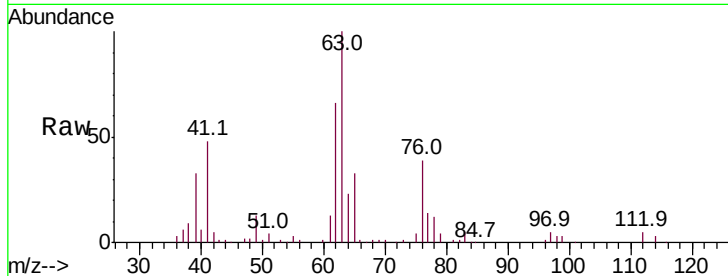
#39
 1,2-Dichloropropane
 Concen: 18.946 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.6	36.8

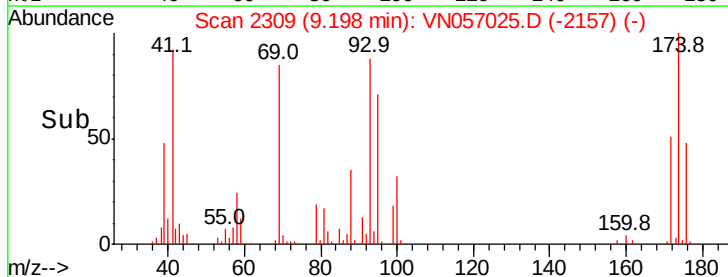
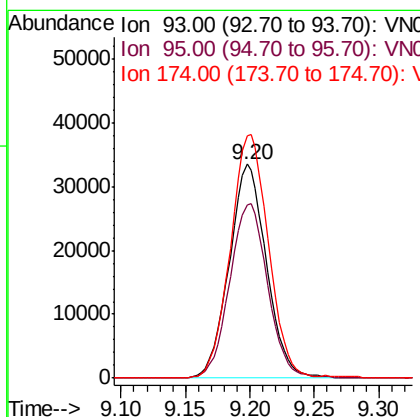
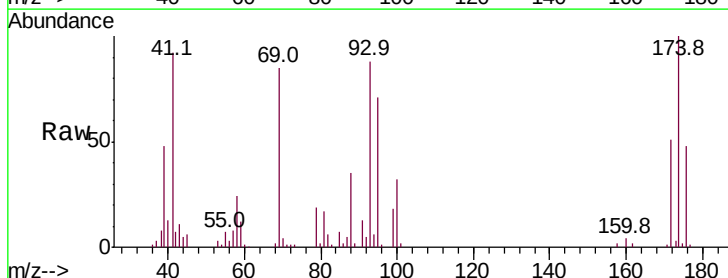
Manual Integrations
 APPROVED

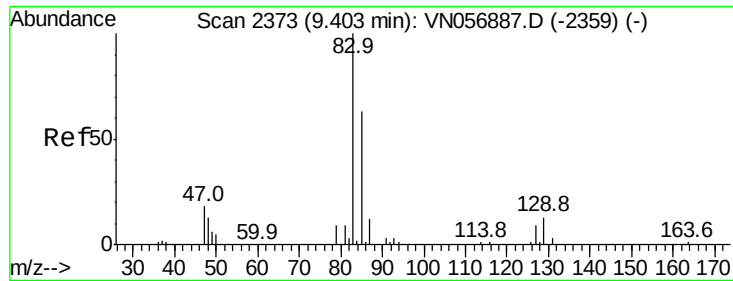
MMDadoda
 8/2/2019 10:44:55 AM



#40
 Dibromomethane
 Concen: 19.815 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	0.0	165.8
174	115.6	0.0	232.4





#41

Bromodichloromethane

Concen: 19.603 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

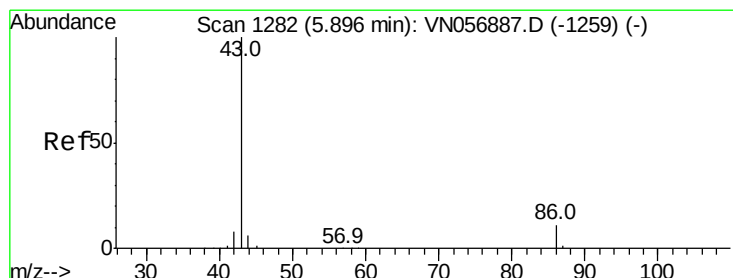
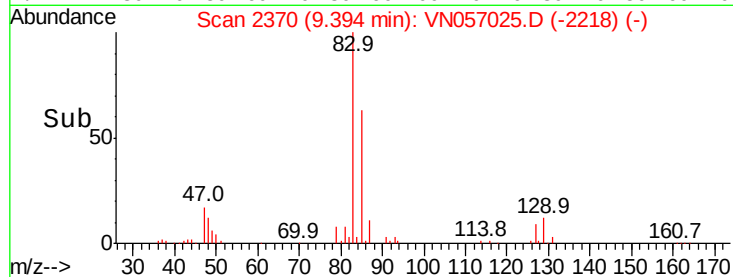
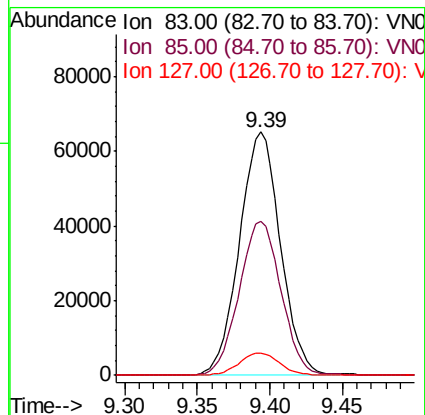
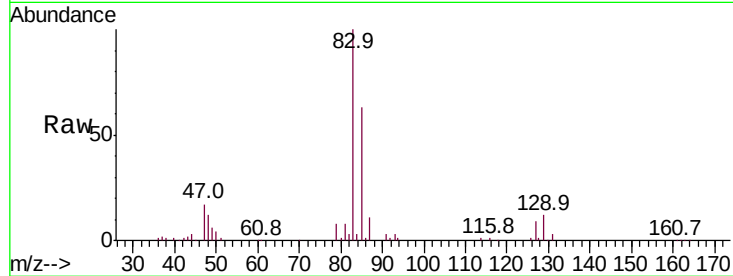
ClientSampleId :

VN0801WBS01

Tot Ion:	83	Resp:	128140
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.6	75.8
127	10.3	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM



#42

Vinyl Acetate

Concen: 91.728 ug/l

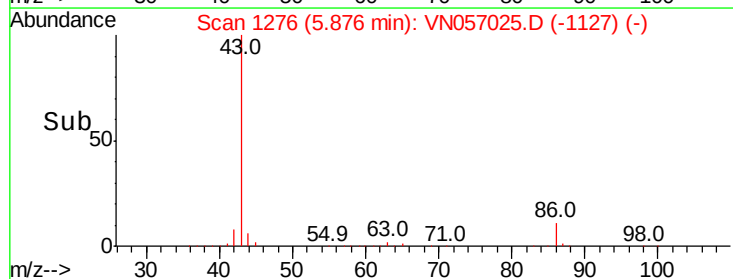
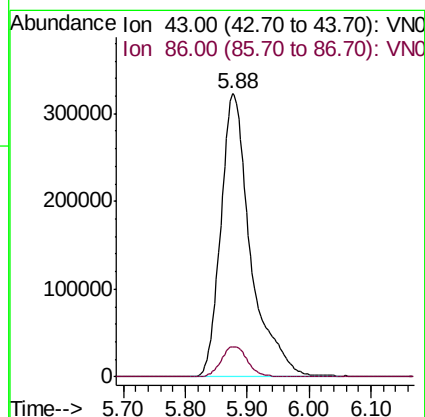
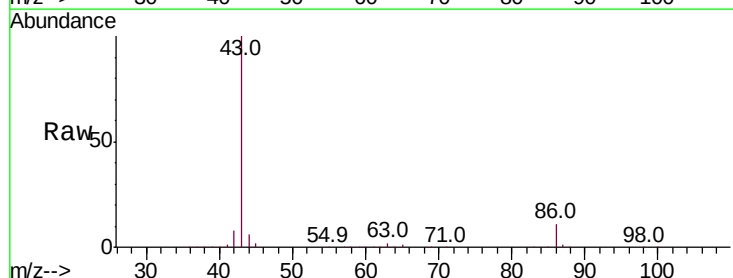
RT: 5.88 min Scan# 1276

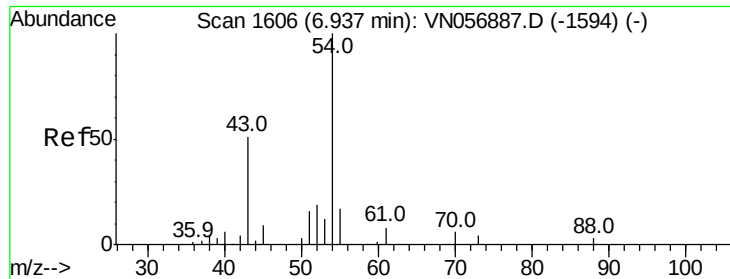
Delta R.T. -0.02 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Tgt Ion:	43	Resp:	1082085
Ion Ratio	Lower	Upper	
43	100		
86	9.5	7.4	11.2





#43

Ethyl Acetate

Concen: 18.508 ug/l

RT: 6.91 min Scan# 1599

Delta R.T. -0.02 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS01

Tot Ion: 43 Resp: 100506

Ion Ratio Lower Upper

43 100

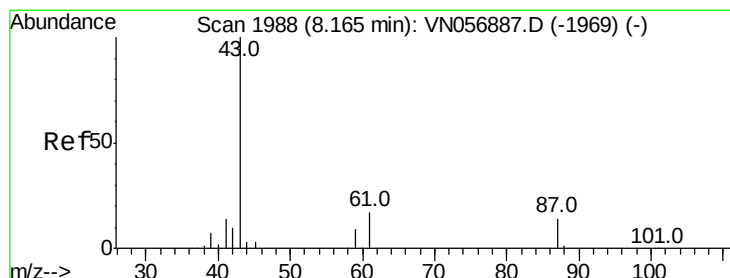
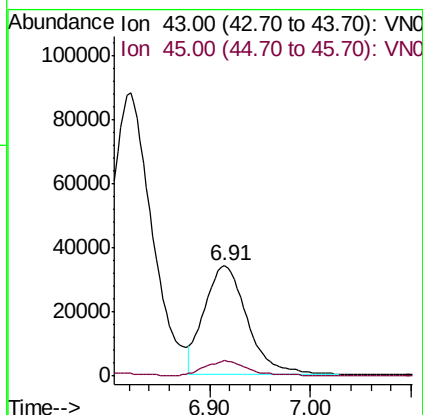
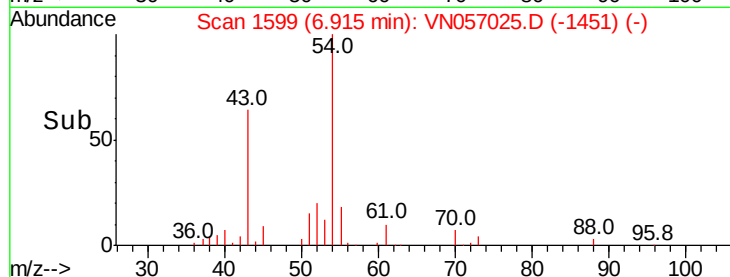
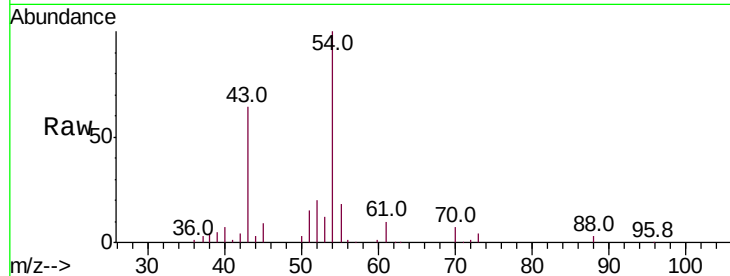
45 14.2 10.2 15.2

Manual Integrations

APPROVED

MMDadoda

8/2/2019 10:44:55 AM



#44

Isopropyl Acetate

Concen: 18.170 ug/l m

RT: 8.15 min Scan# 1984

Delta R.T. -0.01 min

Lab File: VN057025.D

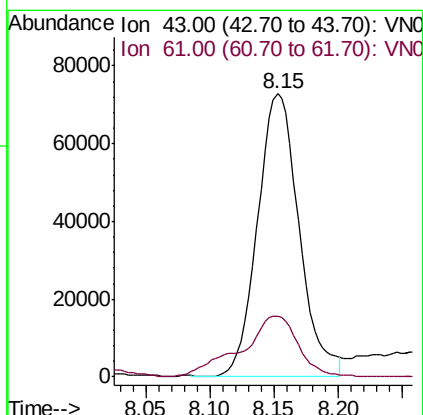
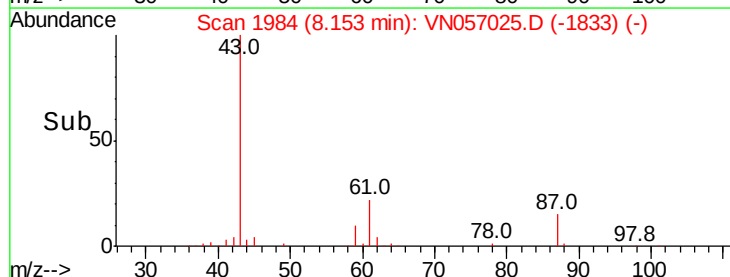
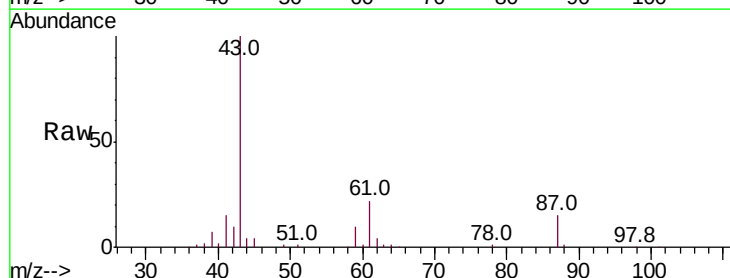
Acq: 1 Aug 2019 10:13

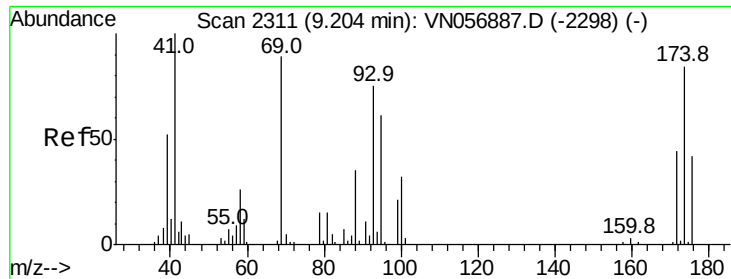
Tgt Ion: 43 Resp: 164469

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.4#





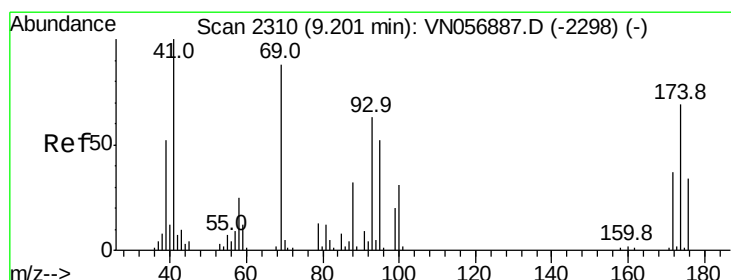
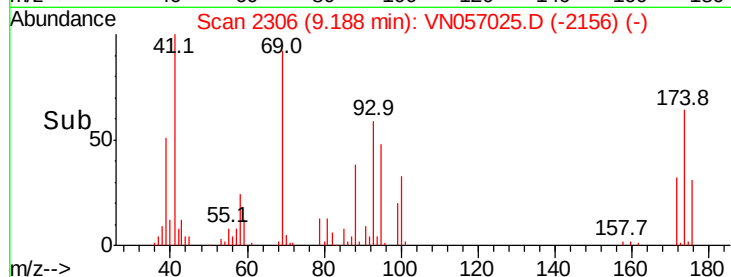
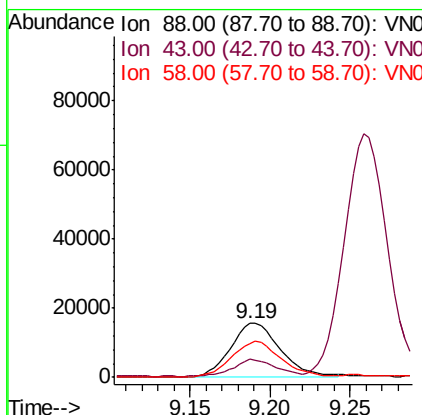
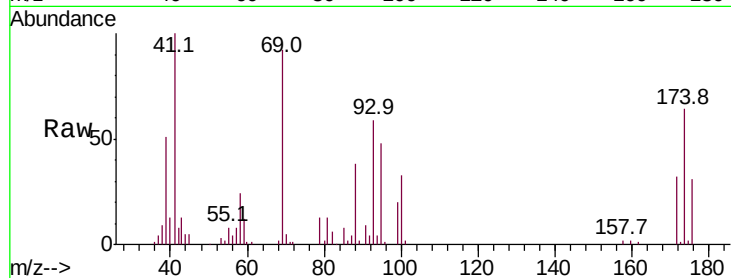
#45
 1,4-Dioxane
 Concen: 391.874 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.02 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Tot Ion	88	Resp	33769
Ion	Ratio	Lower	Upper
88	100		
43	26.6	23.4	35.0
58	65.7	58.5	87.7

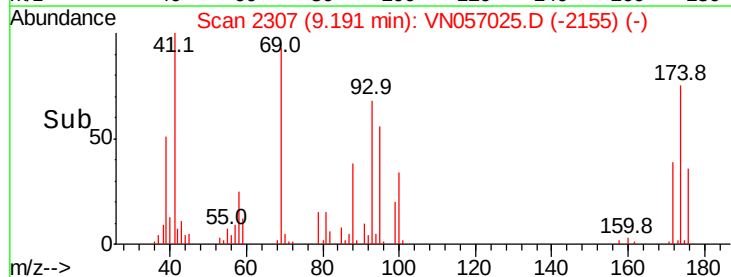
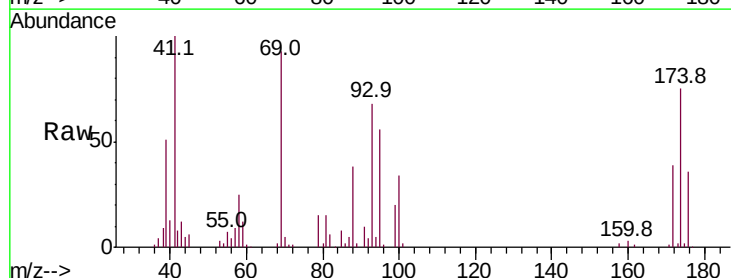
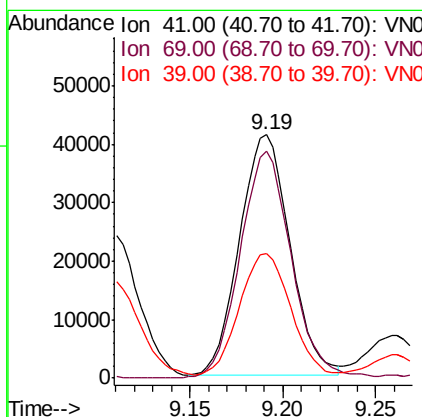
Manual Integrations
 APPROVED

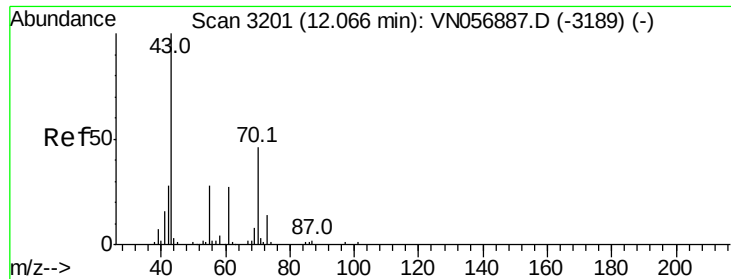
MMDadoda
 8/2/2019 10:44:55 AM



#46
 Methyl methacrylate
 Concen: 17.217 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion	41	Resp	77746
Ion	Ratio	Lower	Upper
41	100		
69	94.2	44.0	132.0
39	50.0	25.8	77.4





#47

n-amyl Acetate

Concen: 15.956 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS01

Tot Ion: 43 Resp: 115622

Ion Ratio Lower Upper

43 100

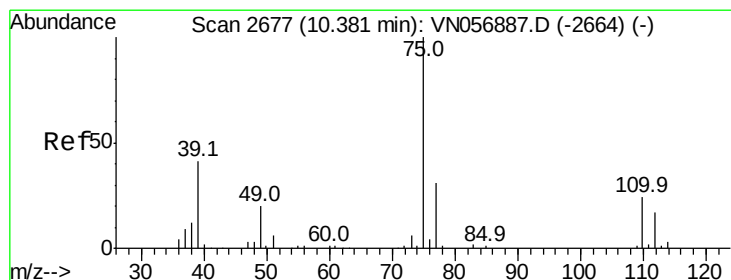
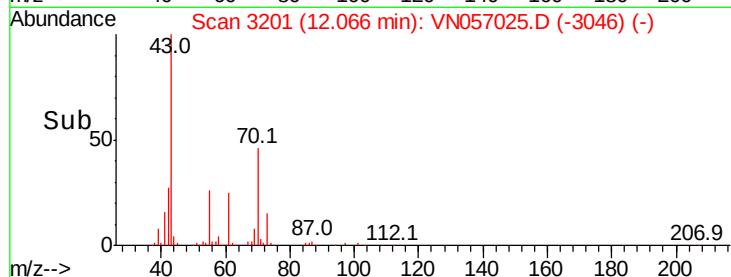
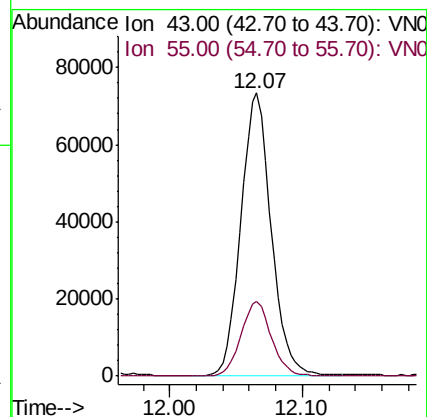
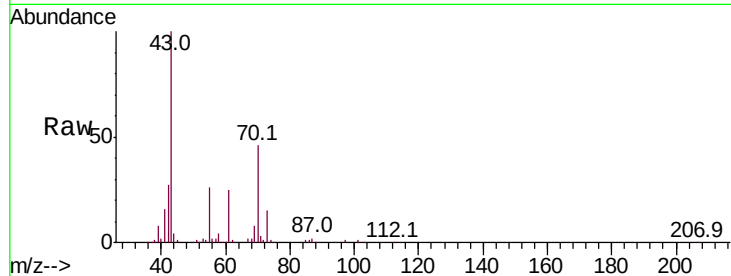
55 26.7 21.3 31.9

Manual Integrations

APPROVED

MMDadoda

8/2/2019 10:44:55 AM



#48

t-1,3-Dichloropropene

Concen: 19.002 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.01 min

Lab File: VN057025.D

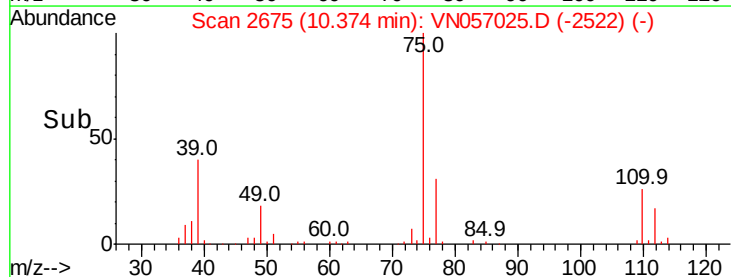
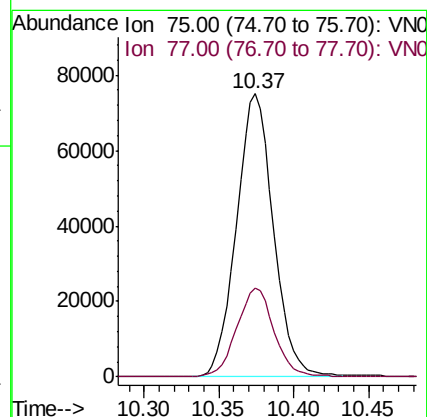
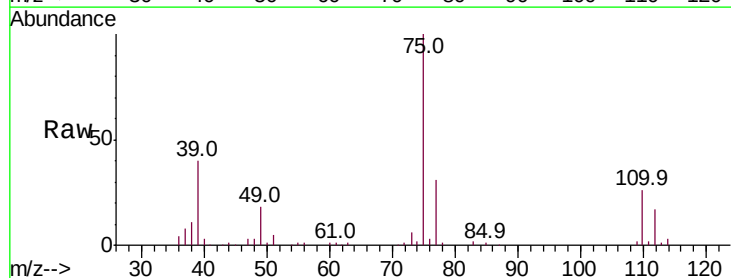
Acq: 1 Aug 2019 10:13

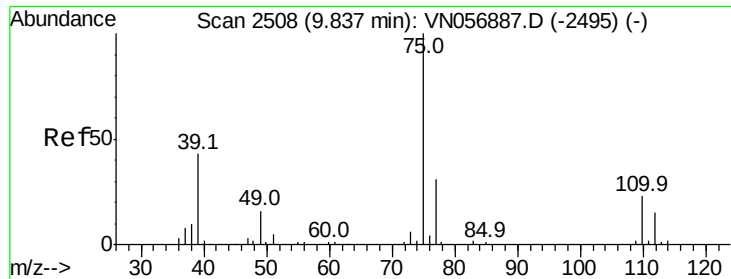
Tgt Ion: 75 Resp: 129259

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0





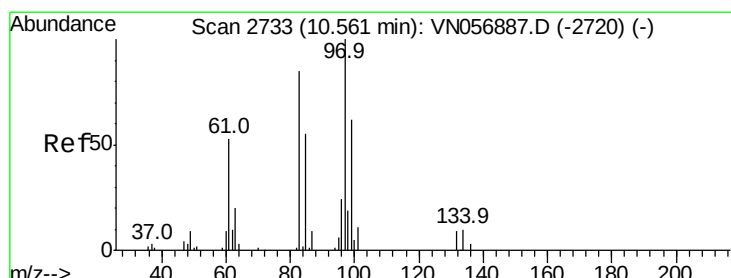
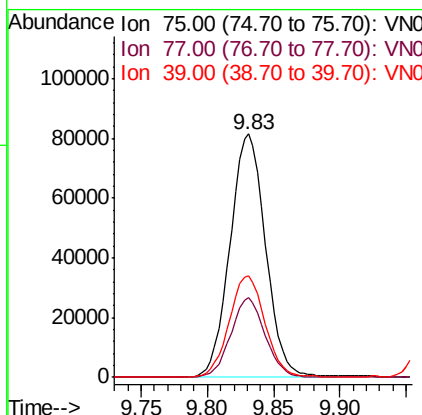
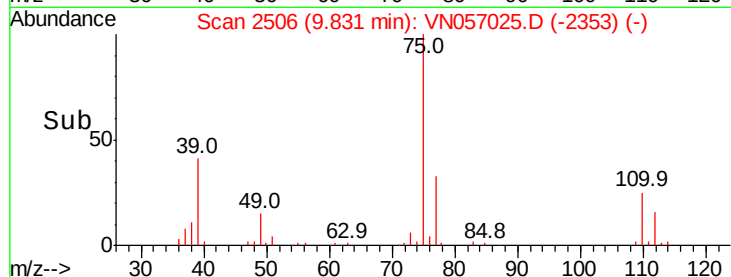
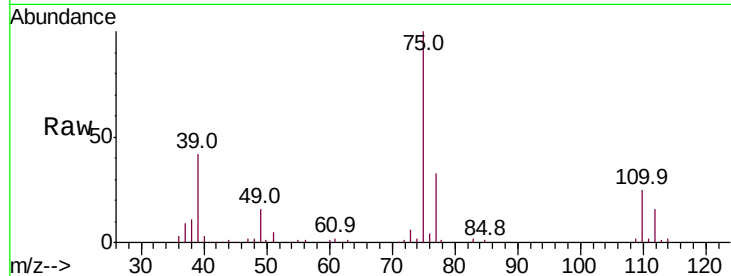
#49
 cis-1,3-Dichloropropene
 Concen: 19.162 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.4	36.6
39	41.7	34.2	51.4

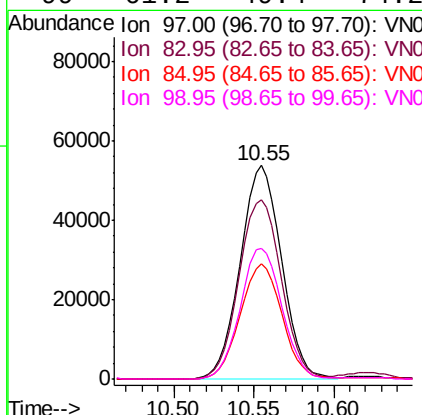
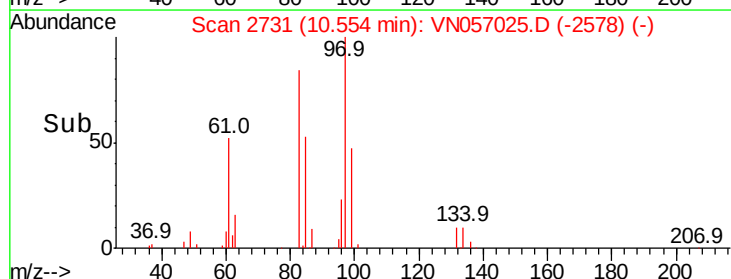
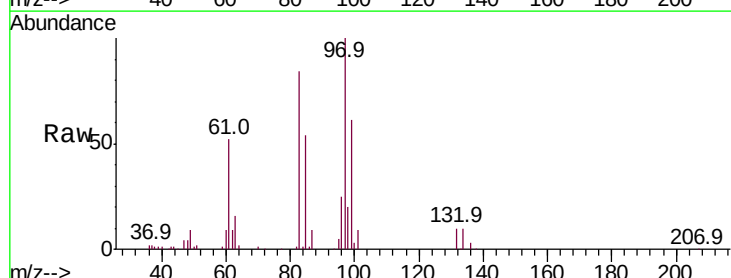
Manual Integrations
 APPROVED

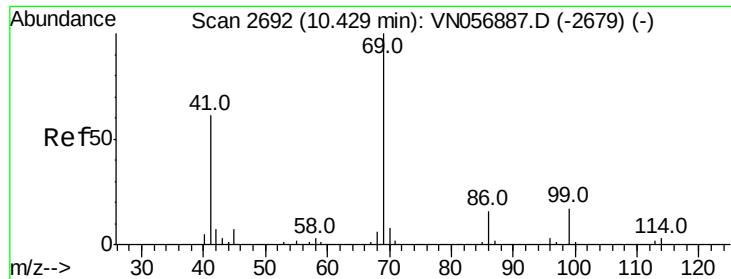
MMDadoda
 8/2/2019 10:44:55 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.445 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.0	68.4	102.6
85	53.7	44.3	66.5
99	61.2	49.4	74.2





#51

Ethyl methacrylate

Concen: 17.808 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

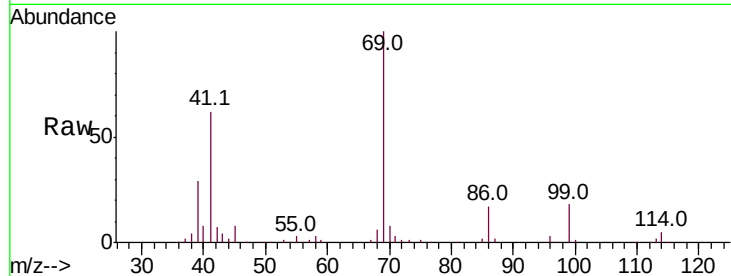
ClientSampled :

VN0801WBS01

Tot Ion:	69	Resp:	125808
Ion	Ratio	Lower	Upper
69	100		
41	61.2	30.4	91.3
39	28.1	14.2	42.6

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM

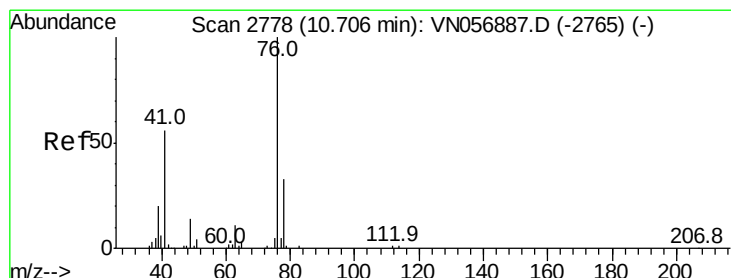
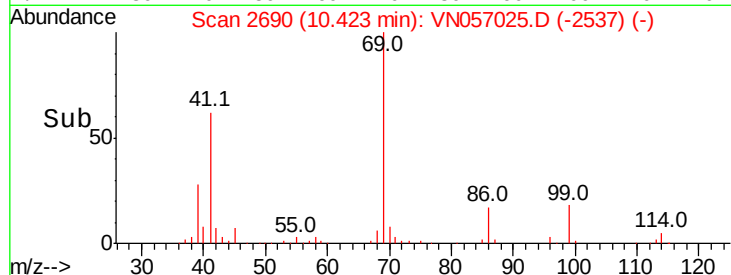
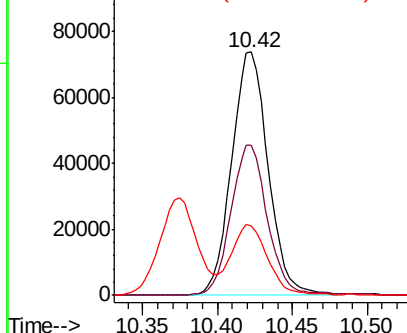


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.359 ug/l

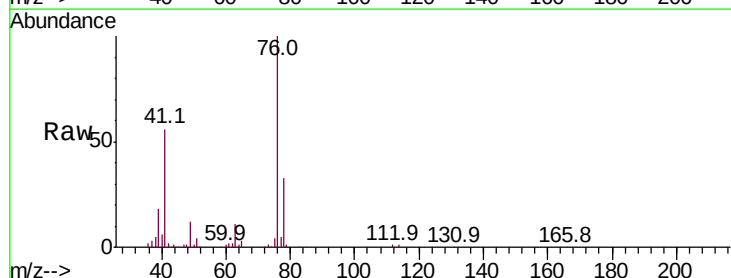
RT: 10.70 min Scan# 2776

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

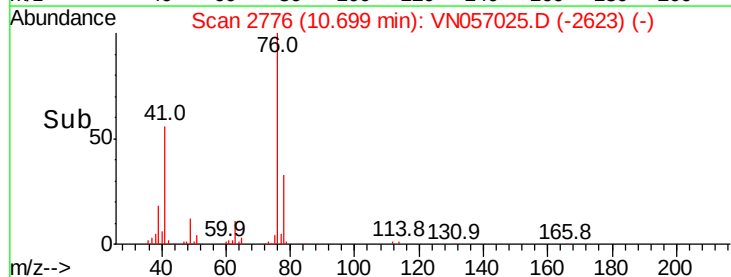
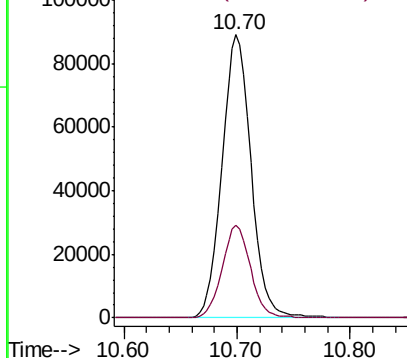
Tgt Ion:	76	Resp:	159575
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	64.2

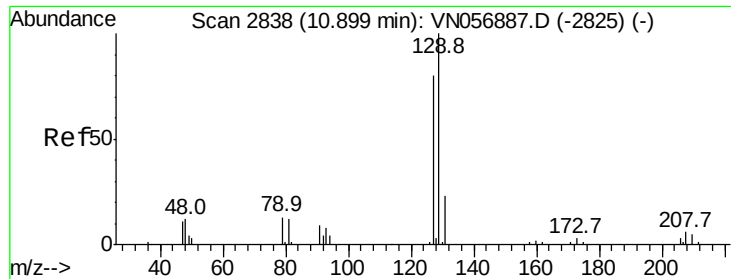


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.239 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS01

Tot Ion:129 Resp: 97675

Ion Ratio Lower Upper

129 100

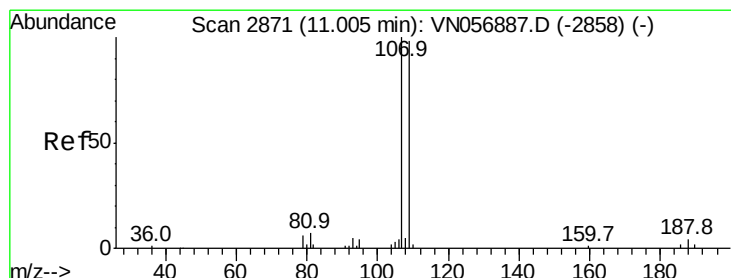
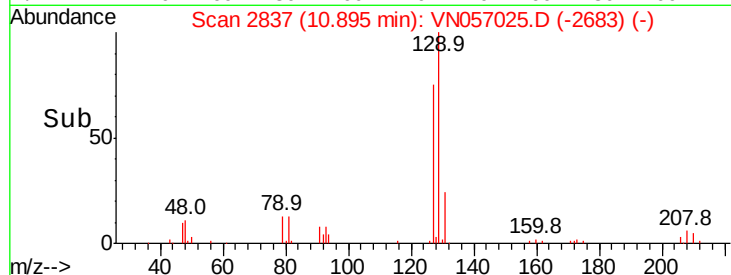
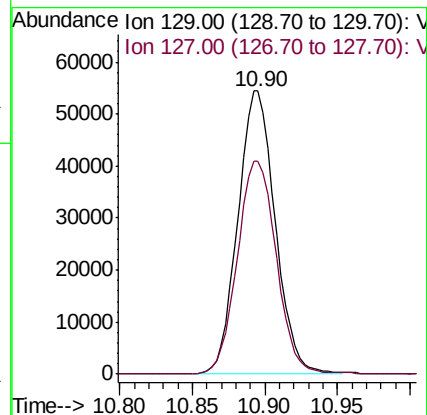
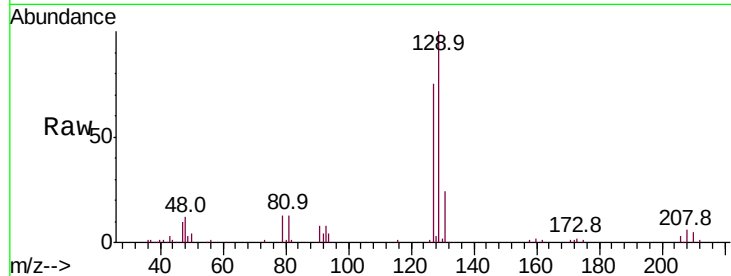
127 78.2 38.8 116.4

Manual Integrations

APPROVED

MMDadoda

8/2/2019 10:44:55 AM



#54

1,2-Dibromoethane

Concen: 19.215 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.01 min

Lab File: VN057025.D

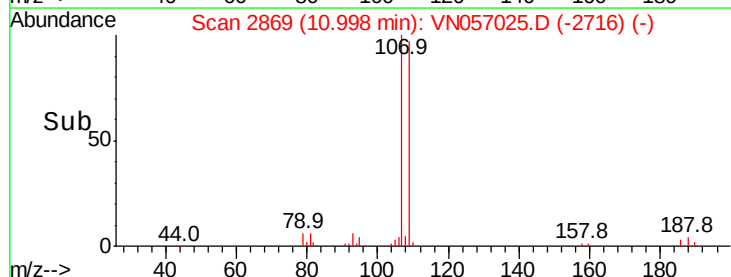
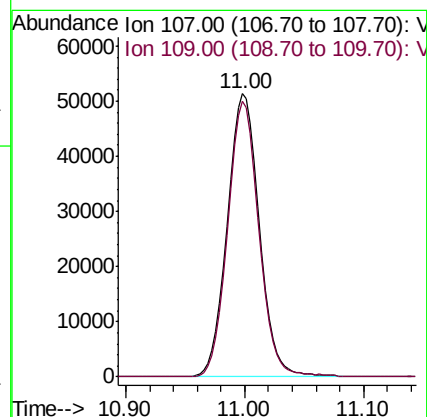
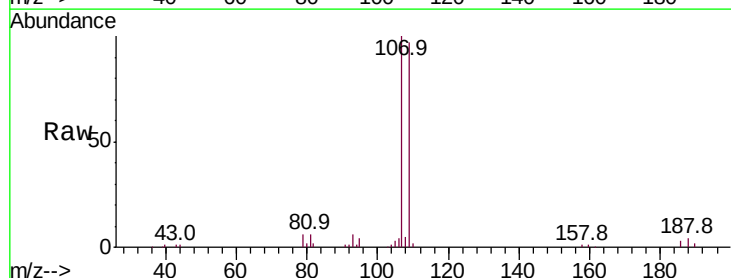
Acq: 1 Aug 2019 10:13

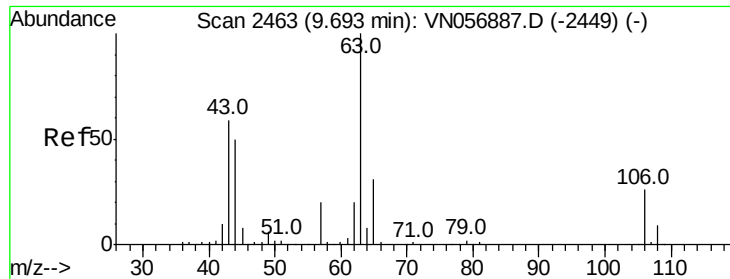
Tgt Ion:107 Resp: 95743

Ion Ratio Lower Upper

107 100

109 94.4 76.2 114.2





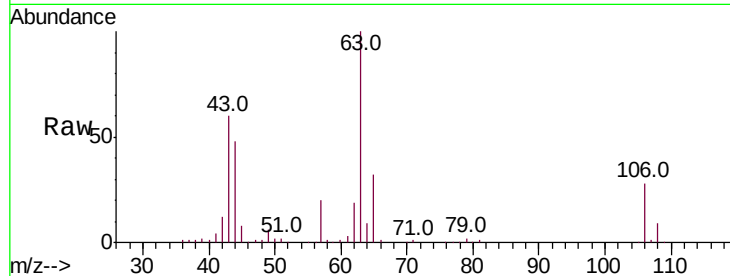
#55
2-Chloroethyl vinyl ether
Concen: 84.098 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.1	37.7
106	27.7	21.5	32.3

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM

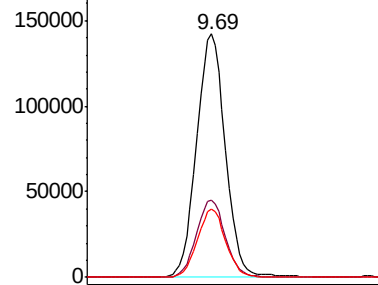


Abundance

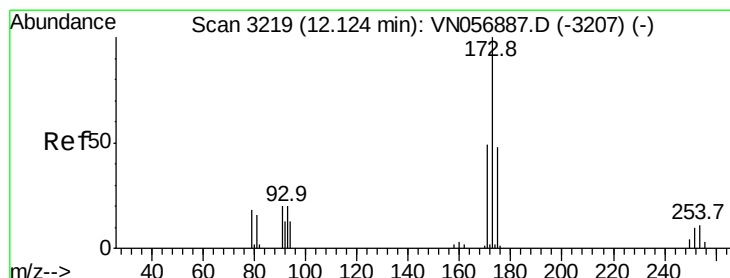
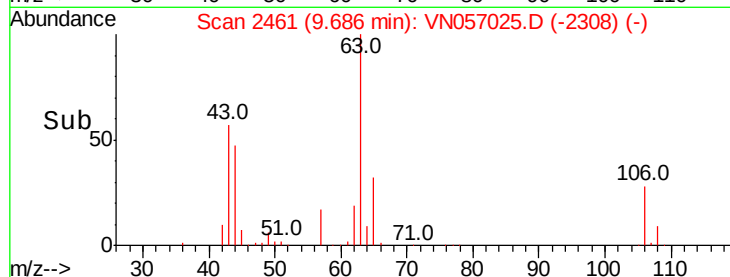
Ion 63.00 (62.70 to 63.70): VN056887.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN056887.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN056887.D (-2449) (-)



Time-->



#56
Bromoform
Concen: 18.945 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

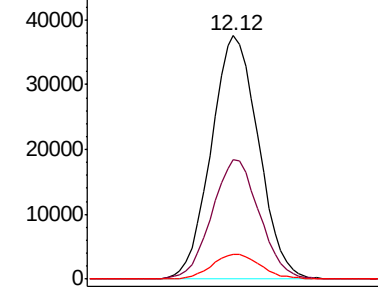
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.8	58.2
254	10.4	8.1	12.1

Abundance

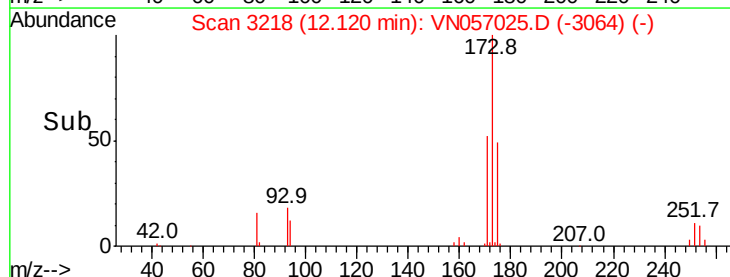
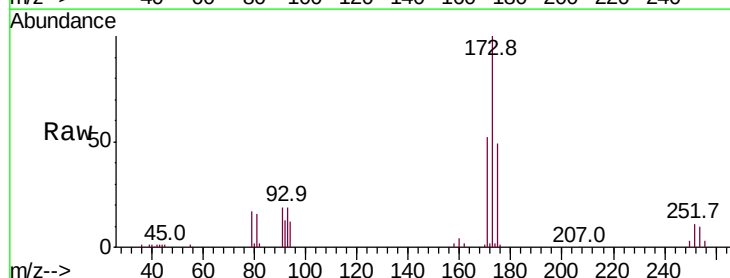
Ion 173.00 (172.70 to 173.70): VN056887.D (-3207) (-)

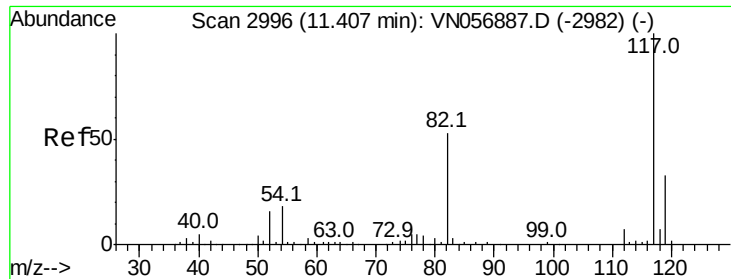
Ion 175.00 (174.70 to 175.70): VN056887.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN056887.D (-3207) (-)



Time-->





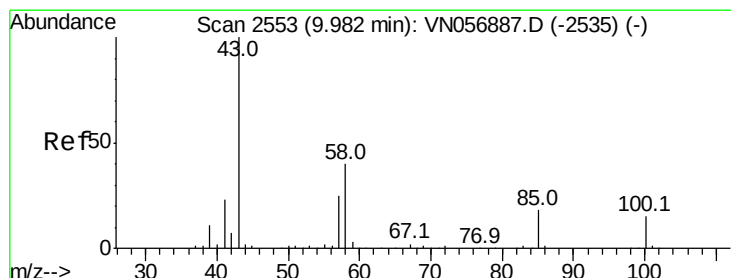
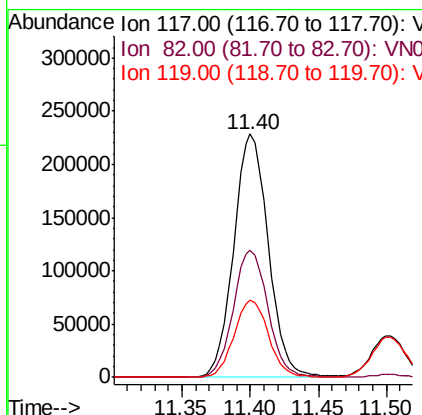
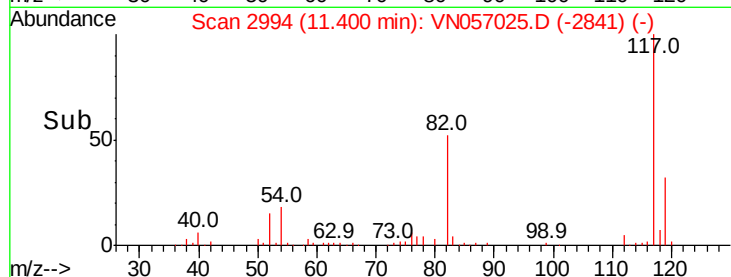
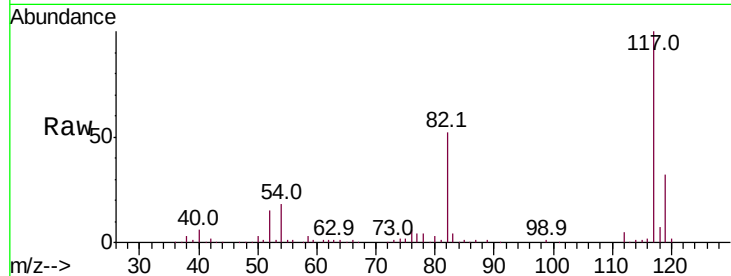
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.40 min Scan# 2994
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBS01

Tot Ion:	117	Resp:	402232
Ion Ratio	Lower	Upper	
117	100		
82	52.5	43.0	64.4
119	31.7	26.2	39.2

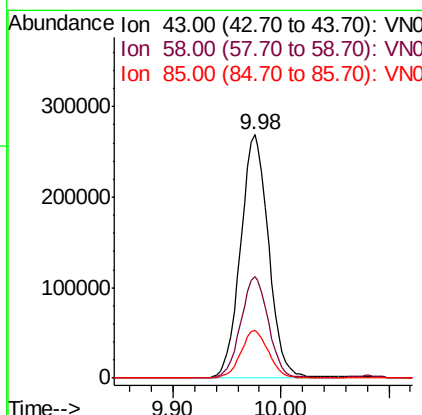
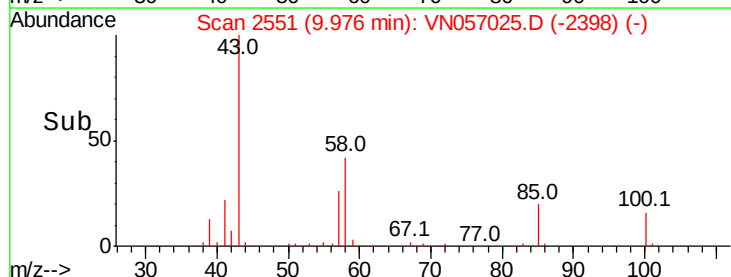
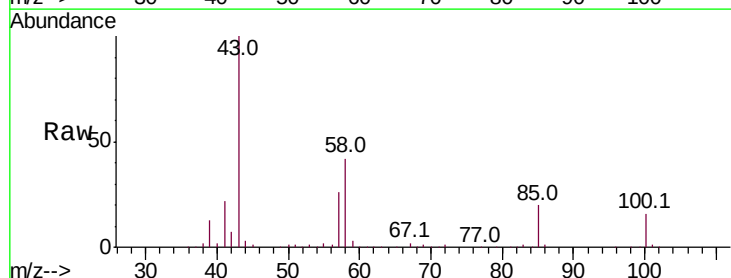
Manual Integrations
 APPROVED

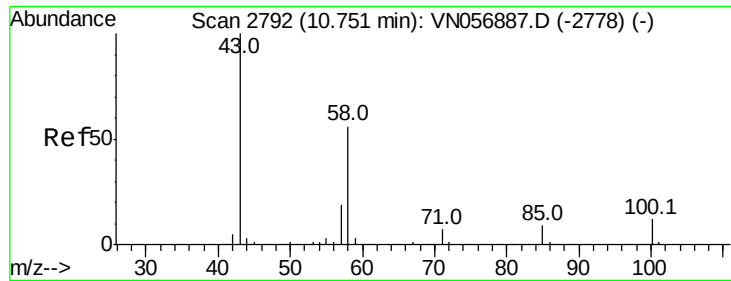
MMDadoda
 8/2/2019 10:44:55 AM



#58
 4-Methyl-2-Pentanone
 Concen: 90.083 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion:	43	Resp:	486248
Ion Ratio	Lower	Upper	
43	100		
58	41.3	31.7	47.5
85	19.4	14.5	21.7





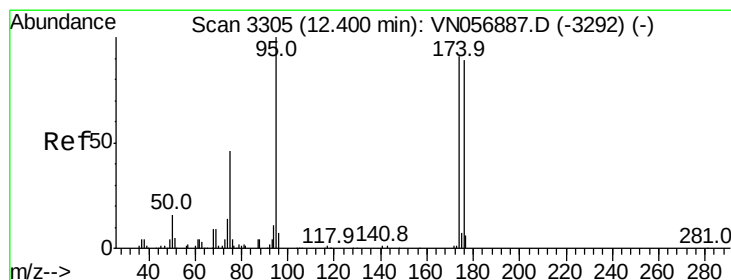
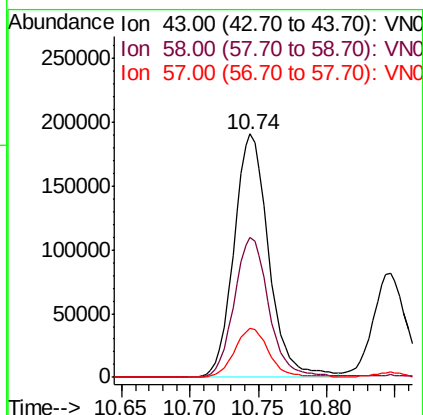
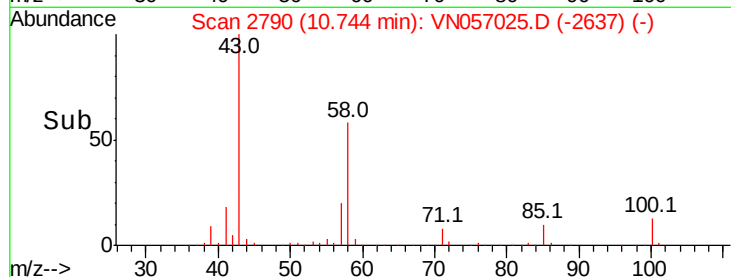
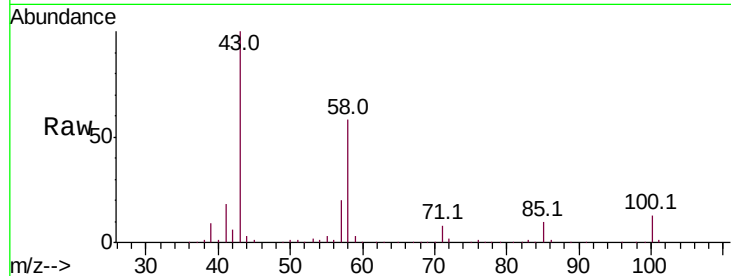
#59
2-Hexanone
Concen: 91.691 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.8	45.0	67.4
57	20.3	15.4	23.0

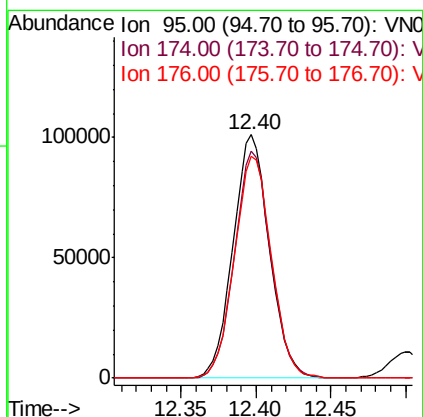
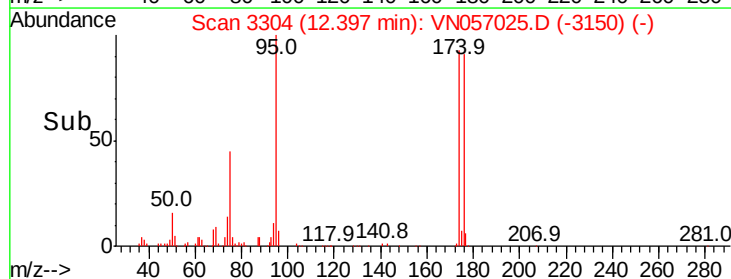
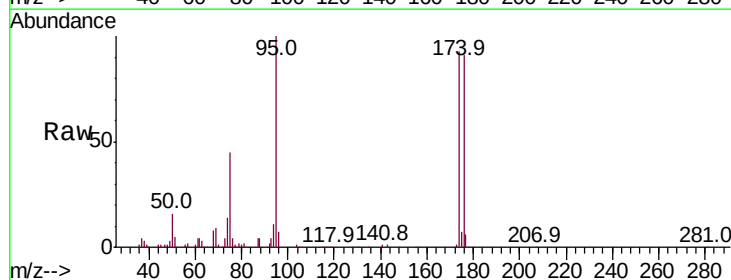
Manual Integrations
APPROVED

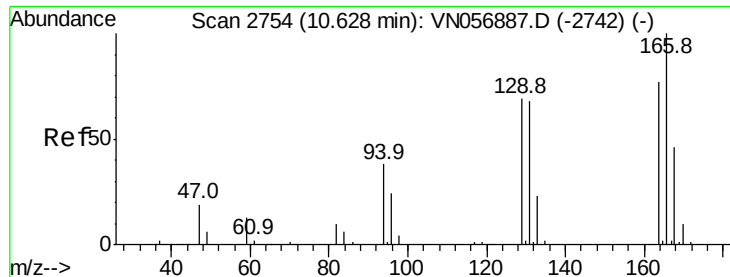
MMDadoda
8/2/2019 10:44:55 AM



#60
4-Bromofluorobenzene
Concen: 28.446 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.6	71.9	107.9
176	92.4	69.8	104.8





#61

Tetrachloroethene

Concen: 21.486 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS01

Tot Ion:164 Resp: 121120

Ion Ratio Lower Upper

164 100

166 128.0 103.9 155.9

129 90.1 72.4 108.6

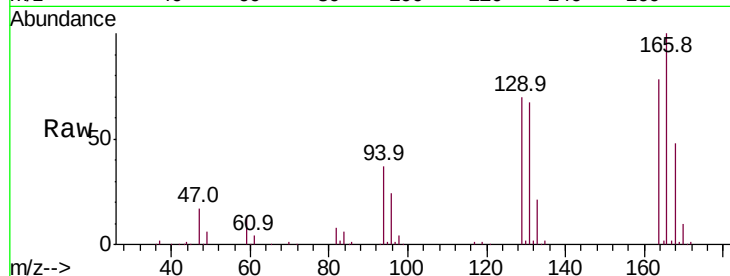
131 86.3 70.3 105.5

Manual Integrations

APPROVED

MMDadoda

8/2/2019 10:44:55 AM

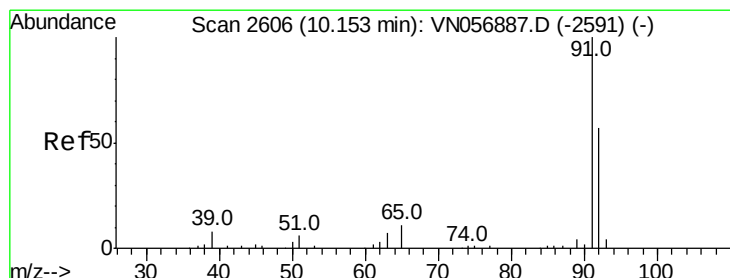
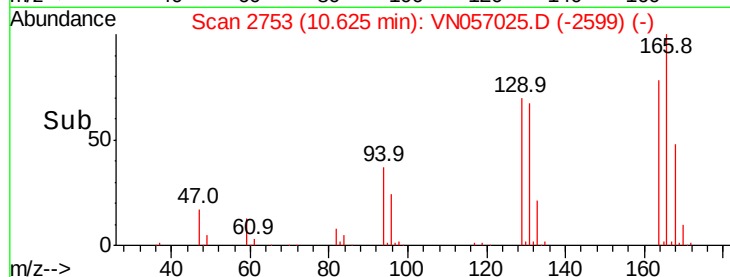
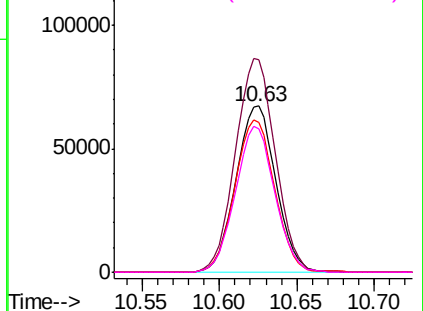


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.702 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.01 min

Lab File: VN057025.D

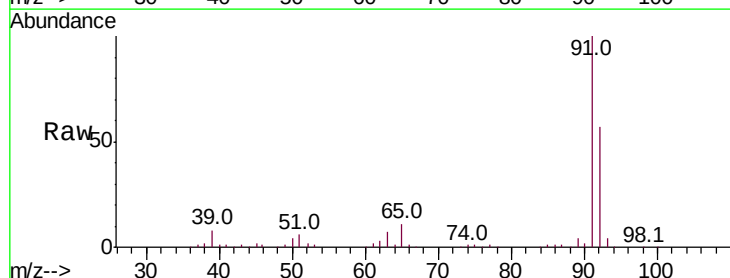
Acq: 1 Aug 2019 10:13

Tgt Ion: 91 Resp: 431000

Ion Ratio Lower Upper

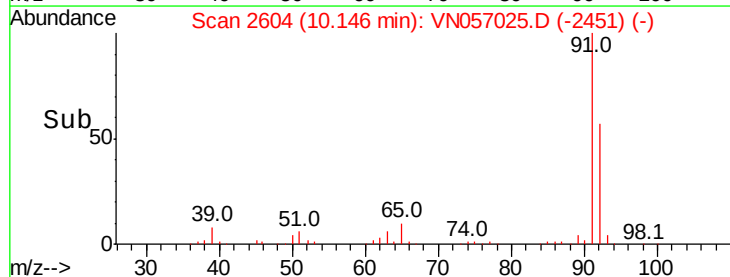
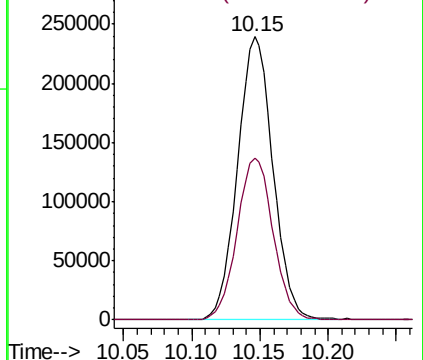
91 100

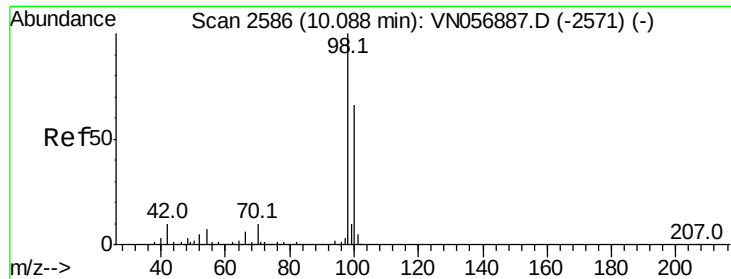
92 58.3 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





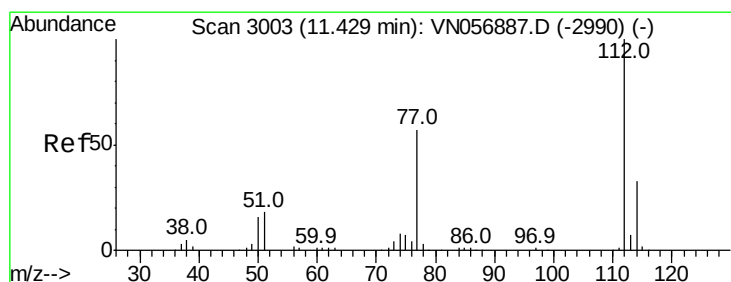
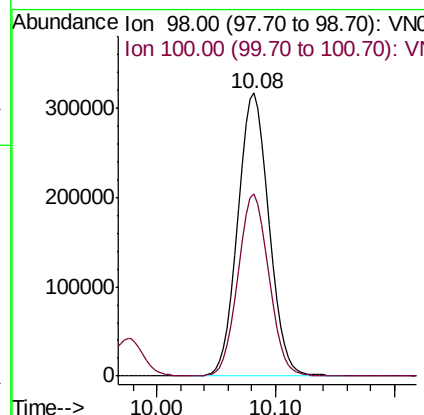
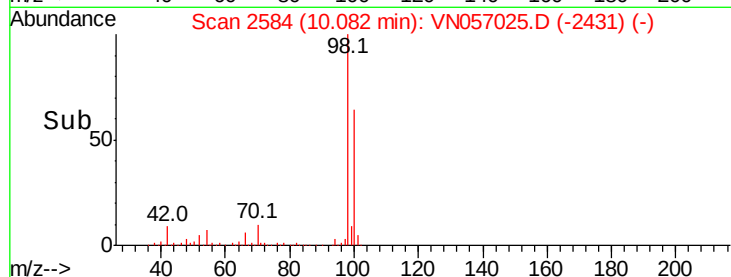
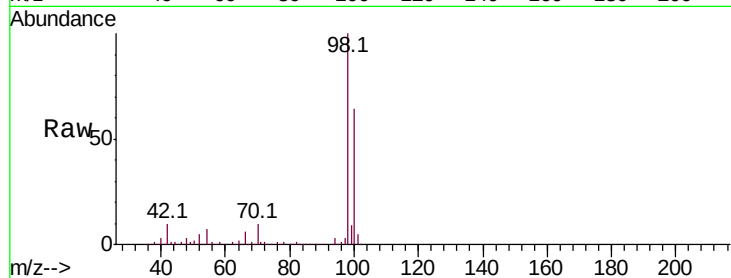
#63
Toluene-d8
Concen: 30.361 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.4	77.2

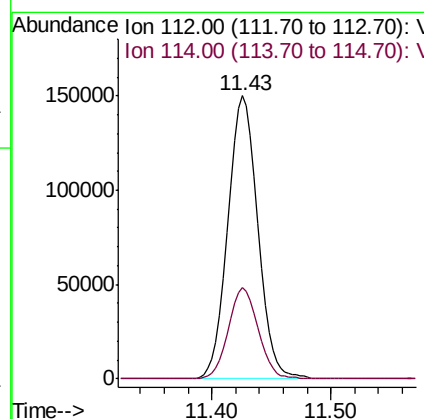
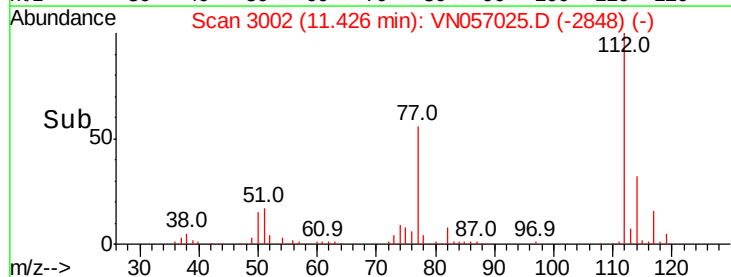
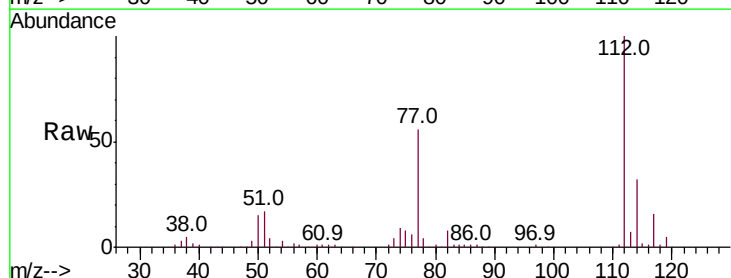
Manual Integrations
APPROVED

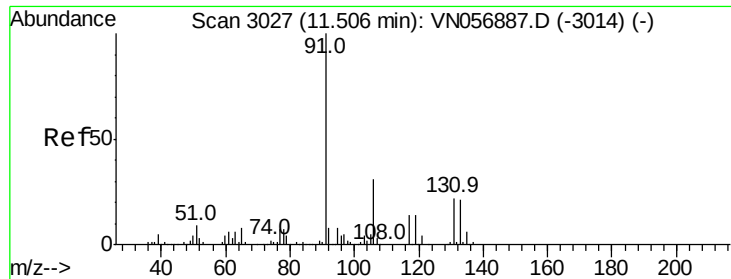
MMDadoda
8/2/2019 10:44:55 AM



#64
Chlorobenzene
Concen: 19.911 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.7	40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 19.829 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

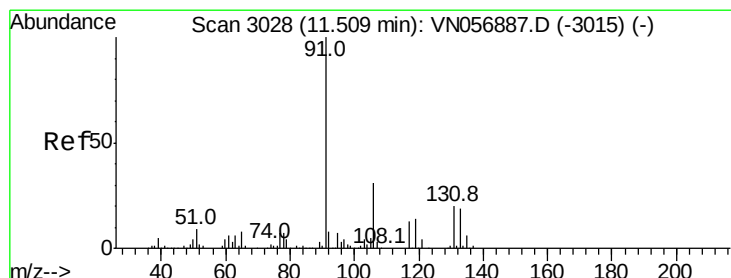
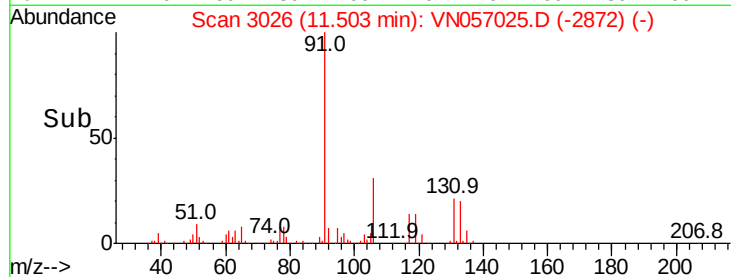
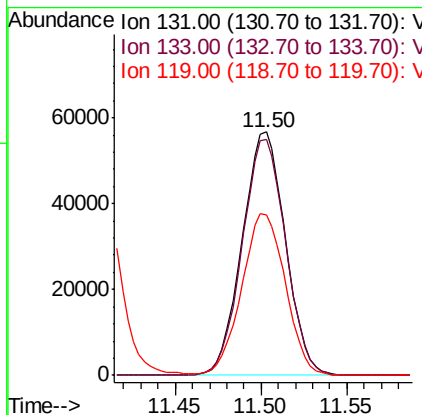
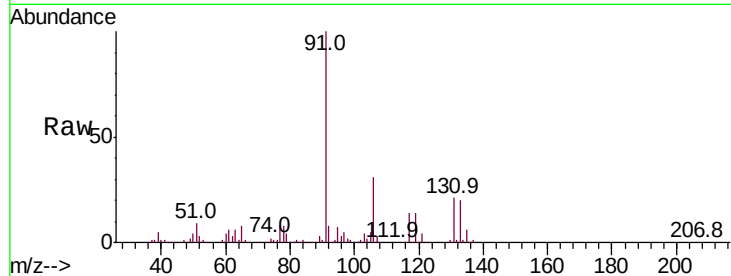
ClientSampled :

VN0801WBS01

Tot Ion:	131	Resp:	98968
Ion	Ratio	Lower	Upper
131	100		
133	97.2	0.0	189.6
119	67.0	0.0	133.6

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM



#66

Ethyl Benzene

Concen: 19.766 ug/l

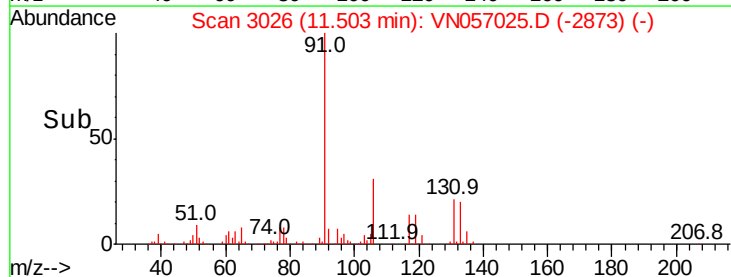
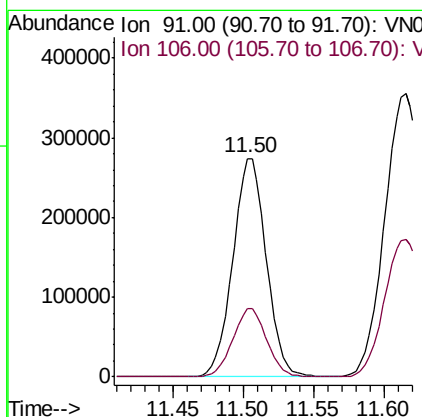
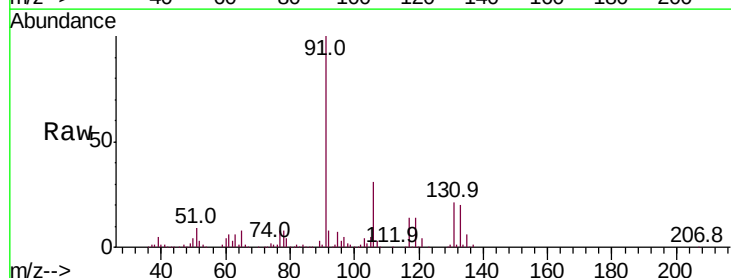
RT: 11.50 min Scan# 3026

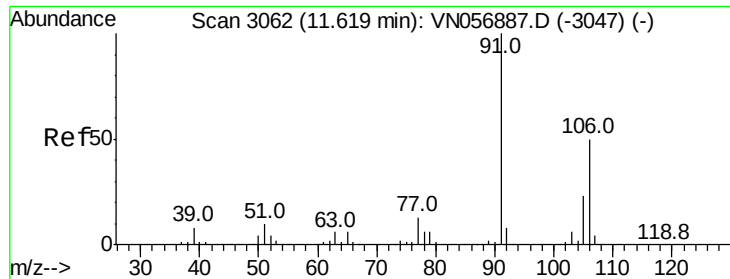
Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Tgt Ion:	91	Resp:	455656
Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.9	37.3





#67

m/p-Xylenes

Concen: 39.800 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS01

Tot Ion:106 Resp: 342130

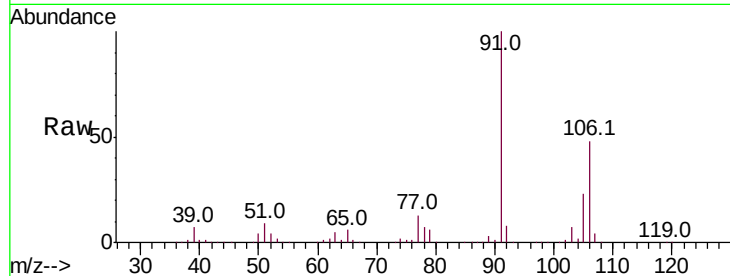
Ion Ratio Lower Upper

106 100

91 203.7 160.6 240.8

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

400000

300000

200000

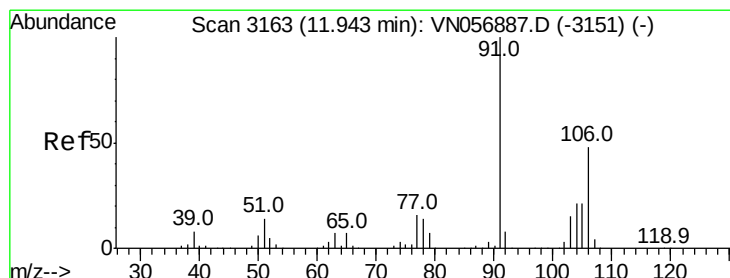
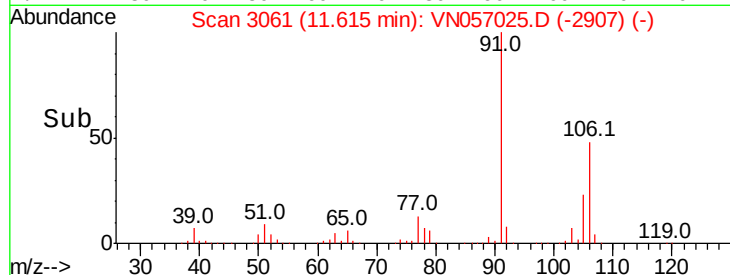
100000

0

11.60

11.70

Time-->



#68

o-Xylene

Concen: 19.544 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. -0.00 min

Lab File: VN057025.D

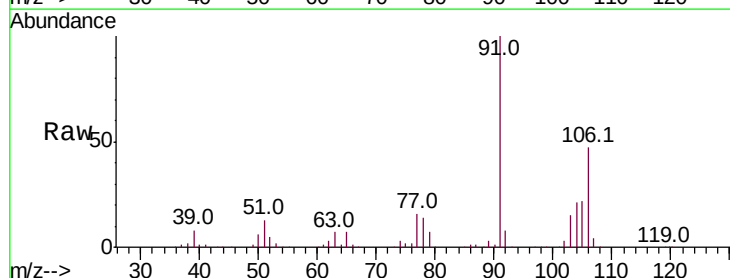
Acq: 1 Aug 2019 10:13

Tgt Ion:106 Resp: 165179

Ion Ratio Lower Upper

106 100

91 213.4 106.2 318.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

250000

200000

150000

100000

50000

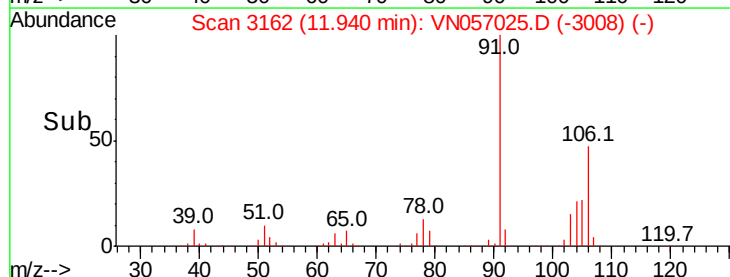
0

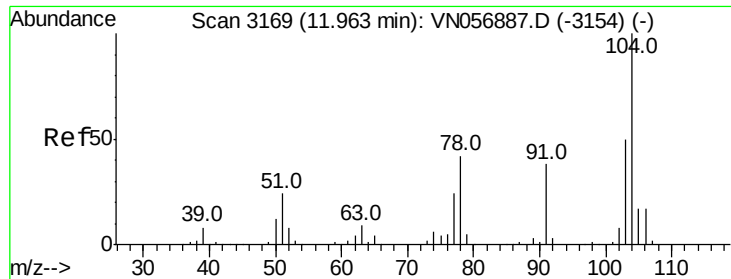
11.90

11.95

12.00

Time-->





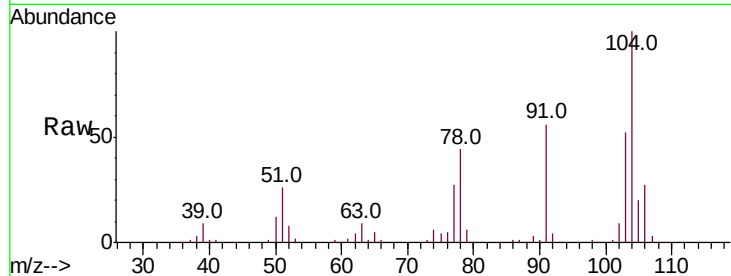
#69
Stvrene
Concen: 19.143 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.01 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	262180		
78	47.9		38.5	57.7
103	56.0		44.7	67.1

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM

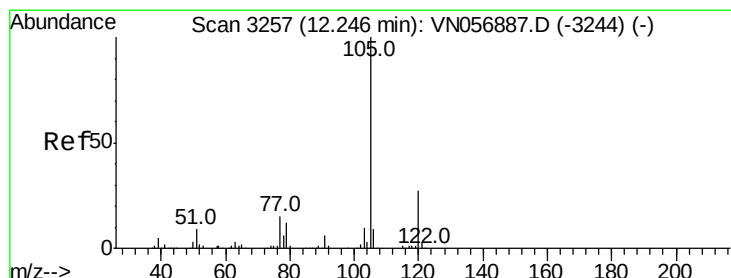
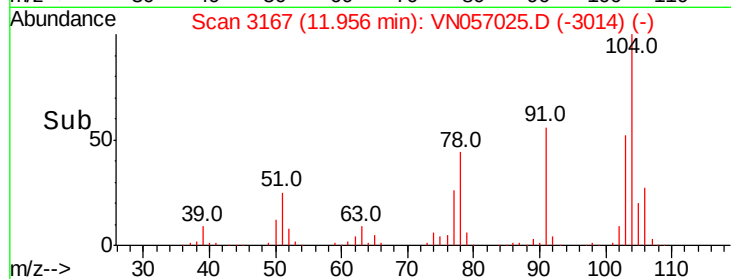
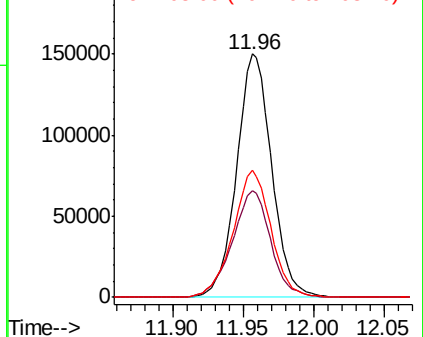


Abundance

Ion 104.00 (103.70 to 104.70): V

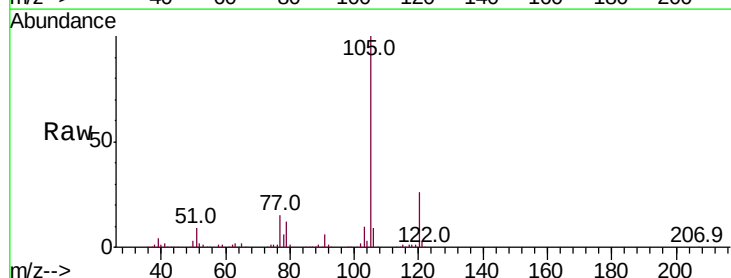
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 20.023 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

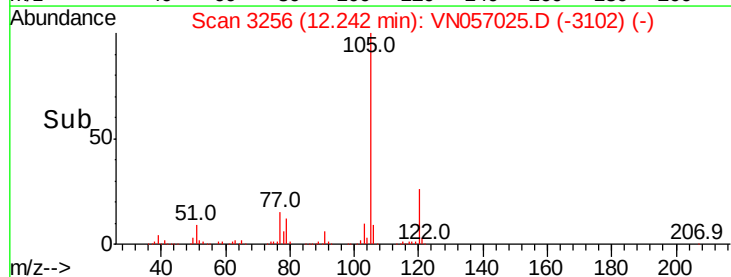
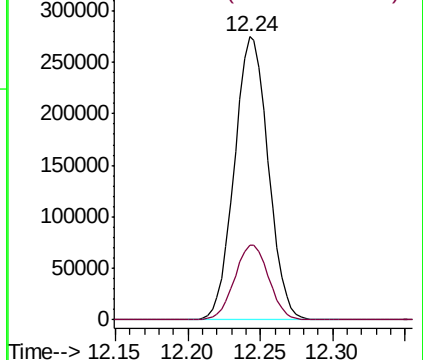
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	445592		
120	26.7		18.7	34.7

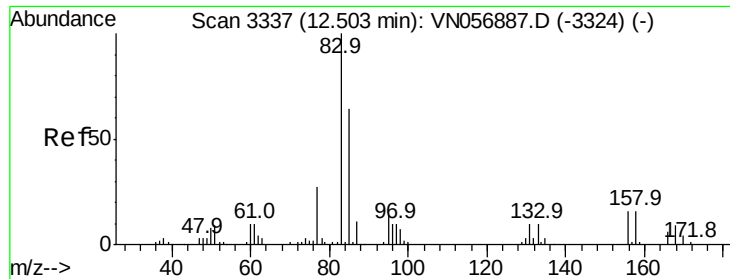


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





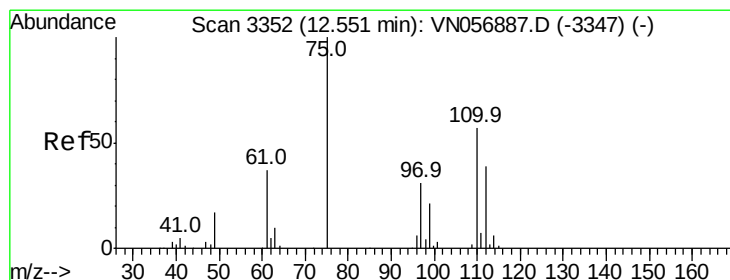
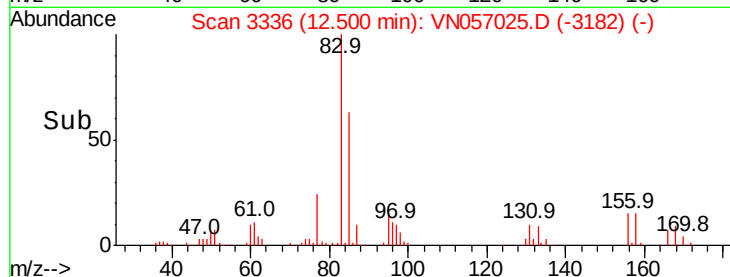
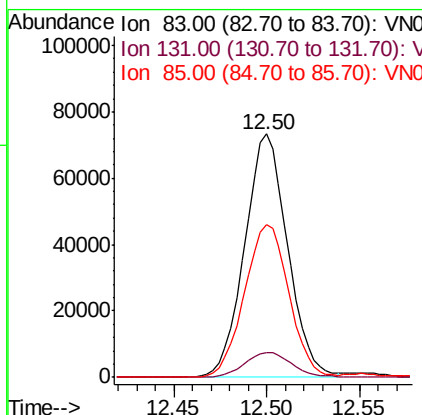
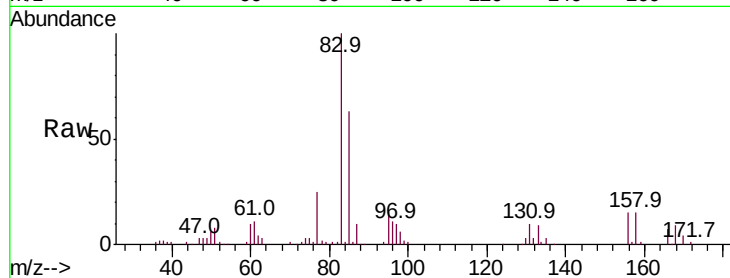
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.869 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. -0.00 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBS01

Tot Ion	83	Resp	117609
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.1	15.2
85	65.1	31.8	95.4

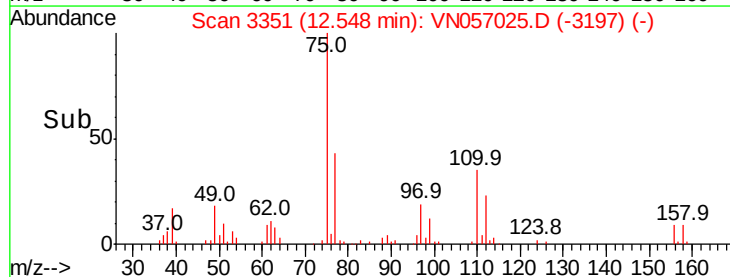
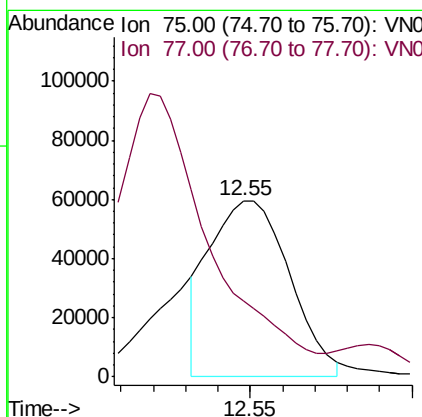
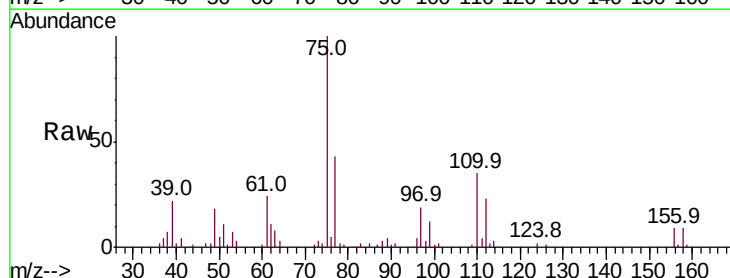
Manual Integrations
 APPROVED

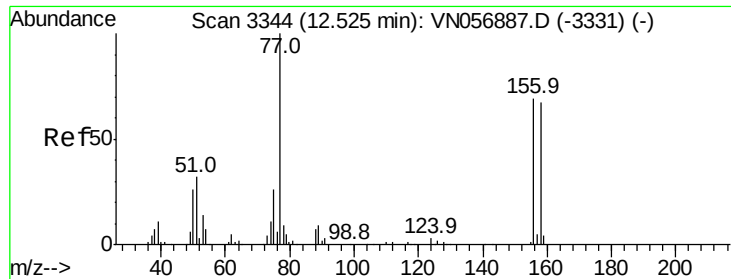
MMDadoda
 8/2/2019 10:44:55 AM



#72
 1,2,3-Trichloropropane
 Concen: 18.543 ug/l m
 RT: 12.55 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion	75	Resp	101693
Ion	Ratio	Lower	Upper
75	100		
77	197.3	0.0	378.6





#73

Bromobenzene

Concen: 19.650 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS01

Tot Ion:156 Resp: 112838

Ion Ratio Lower Upper

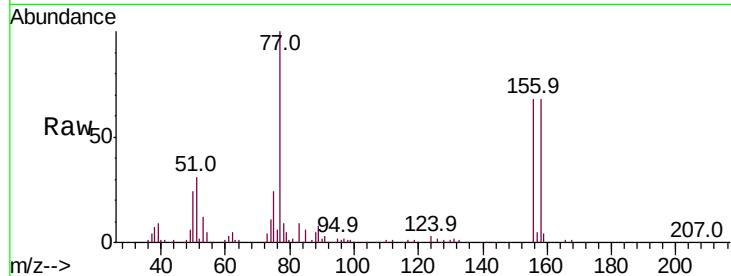
156 100

77 177.8 0.0 364.6

158 98.7 0.0 196.2

Manual Integrations
APPROVED

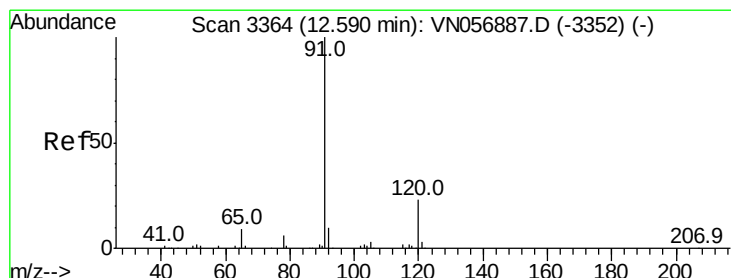
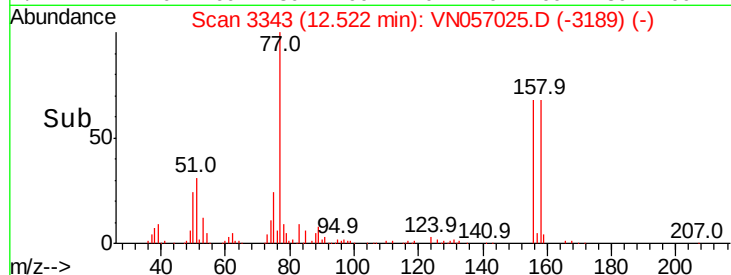
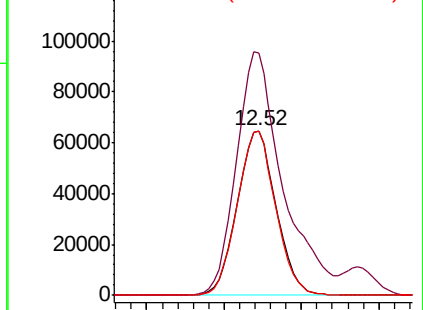
MMDadoda
8/2/2019 10:44:55 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.546 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN057025.D

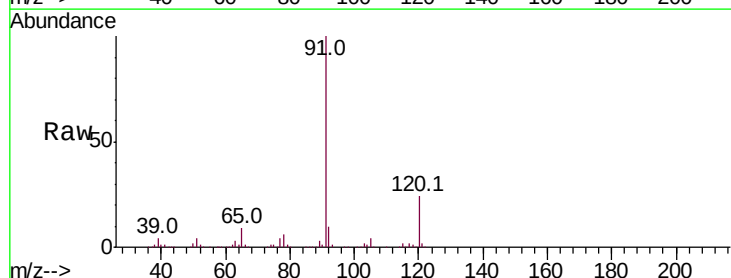
Acq: 1 Aug 2019 10:13

Tgt Ion: 91 Resp: 475614

Ion Ratio Lower Upper

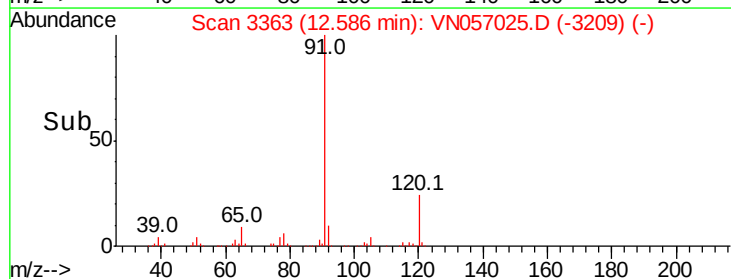
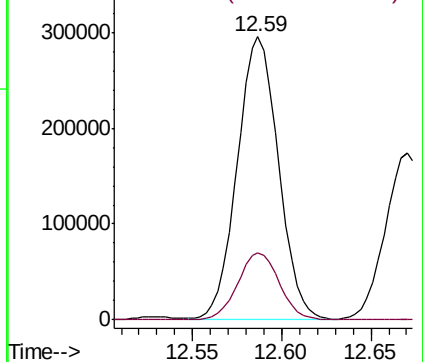
91 100

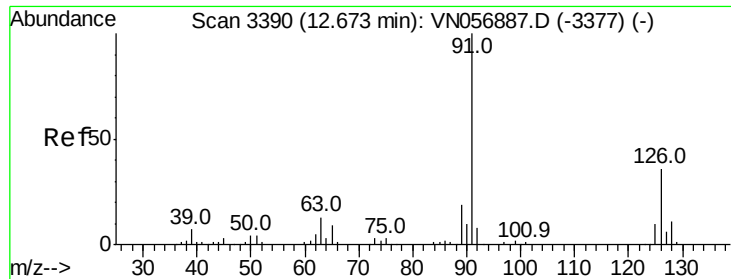
120 23.8 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.584 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS01

Tot Ion: 91 Resp: 288906

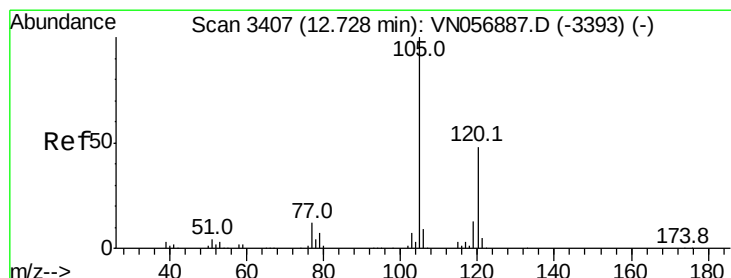
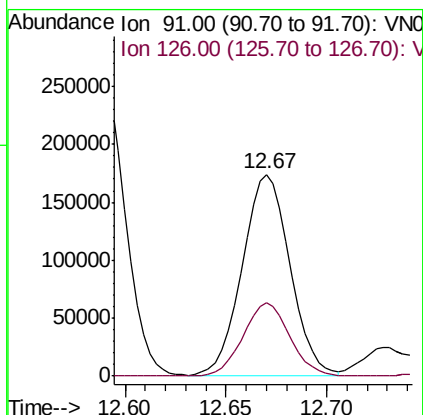
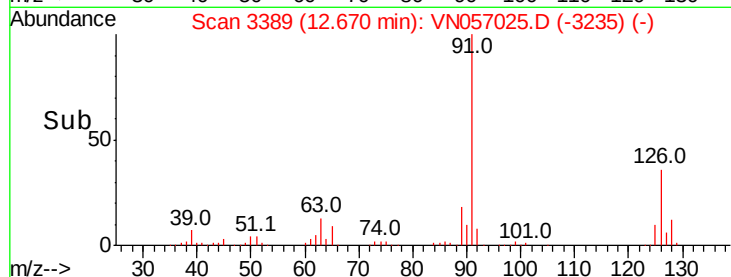
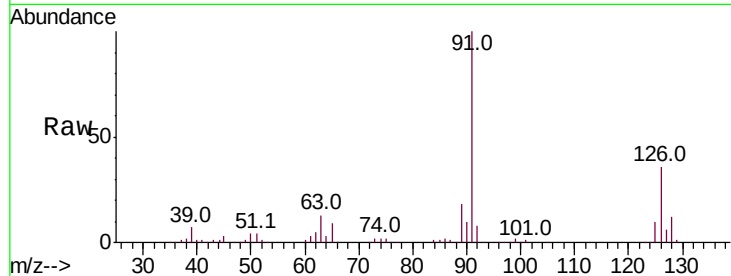
Ion Ratio Lower Upper

91 100

126 35.6 0.0 70.8

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM



#76

1,3,5-Trimethylbenzene

Concen: 20.051 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN057025.D

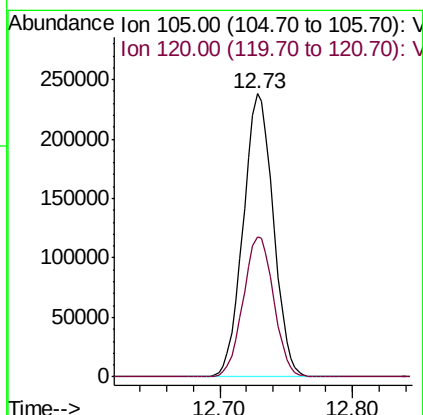
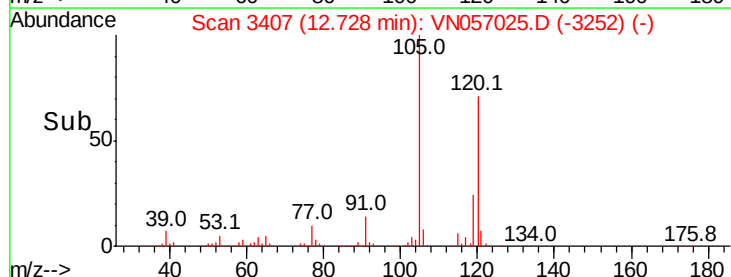
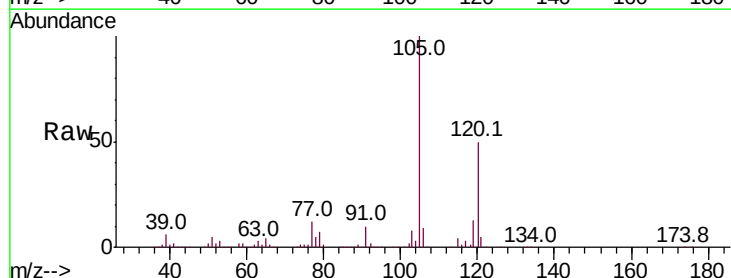
Acq: 1 Aug 2019 10:13

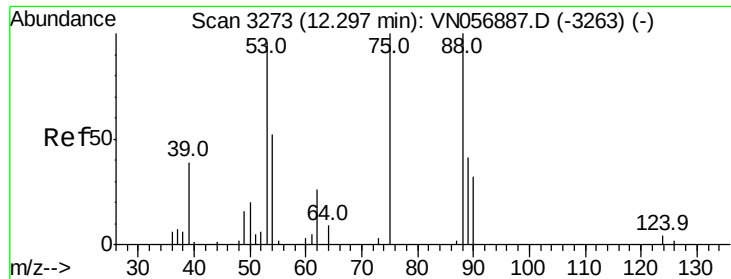
Tgt Ion: 105 Resp: 375638

Ion Ratio Lower Upper

105 100

120 50.2 0.0 97.2





#77

t-1,4-Dichloro-2-butene

Concen: 17.598 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

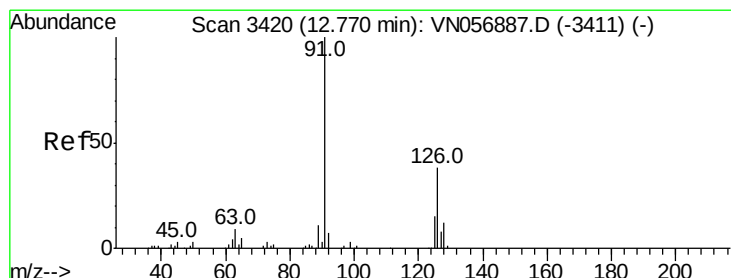
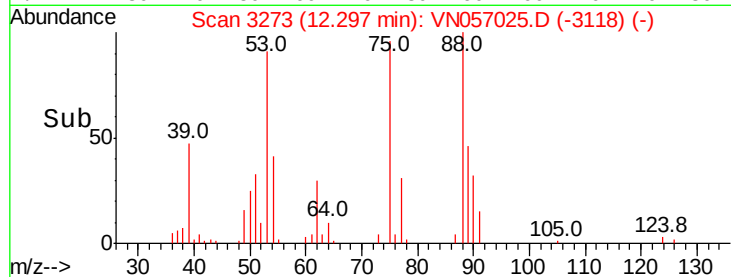
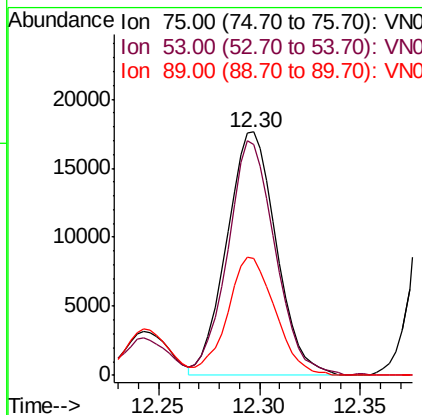
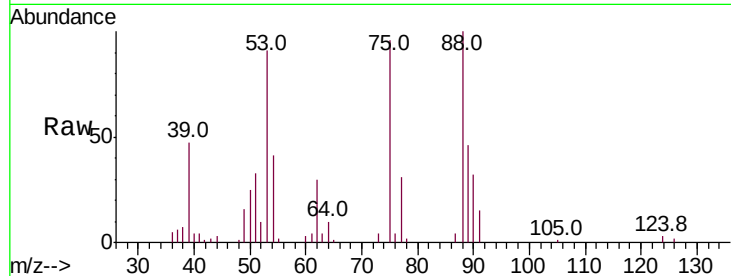
ClientSampleId :

VN0801WBS01

Tot Ion:	75	Resp:	30301
Ion	Ratio	Lower	Upper
75	100		
53	93.7	48.0	144.0
89	47.8	21.4	64.3

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM



#78

4-Chlorotoluene

Concen: 18.785 ug/l

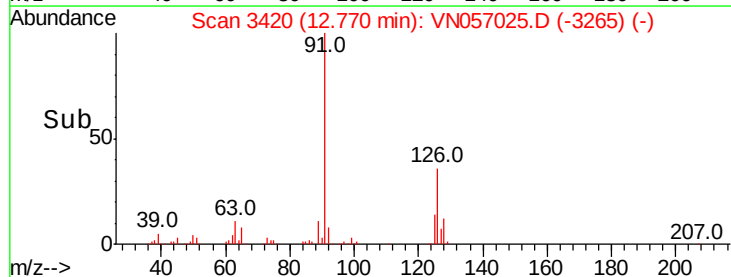
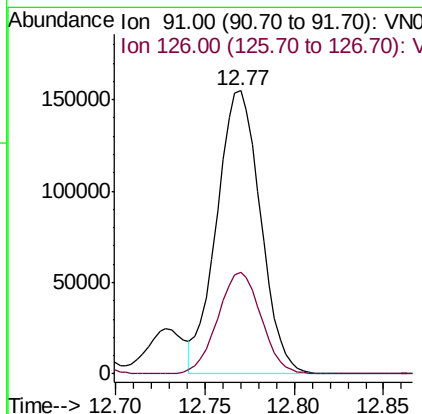
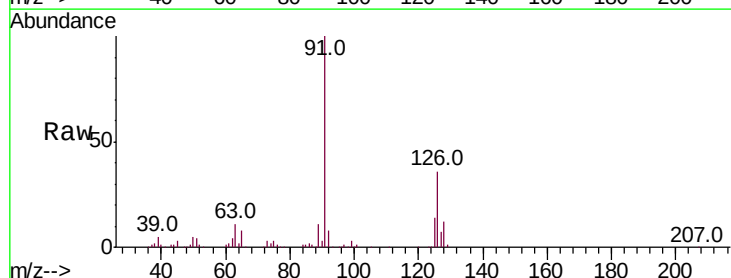
RT: 12.77 min Scan# 3420

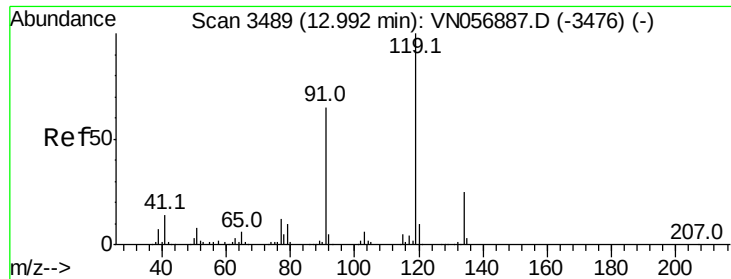
Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Tgt Ion:	91	Resp:	263415
Ion	Ratio	Lower	Upper
91	100		
126	35.7	0.0	69.6





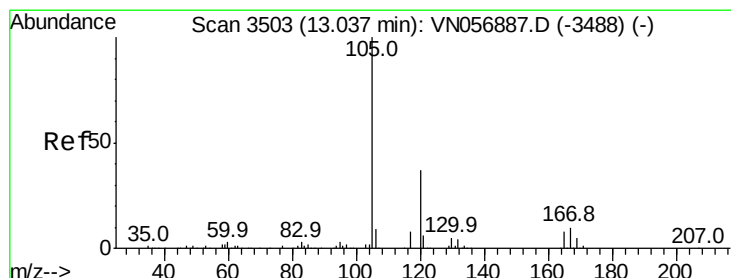
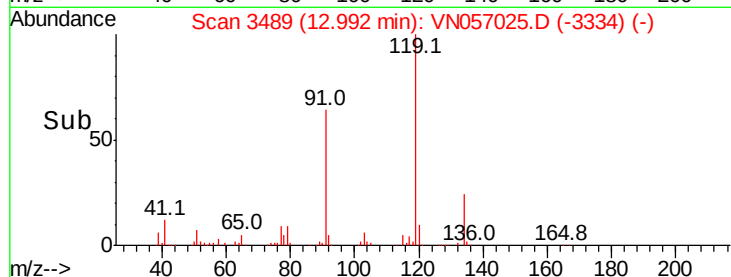
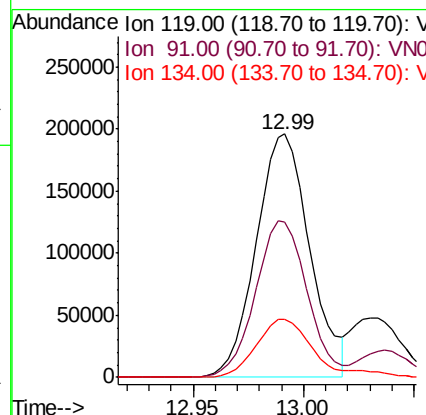
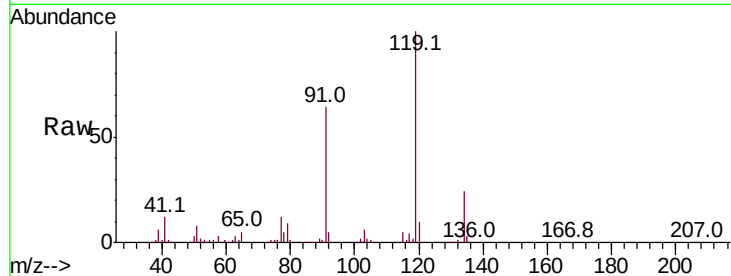
#79
tert-butylbenzene
Concen: 20.383 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	329523		
91	61.9	0.0	126.8	
134	24.2	0.0	48.8	

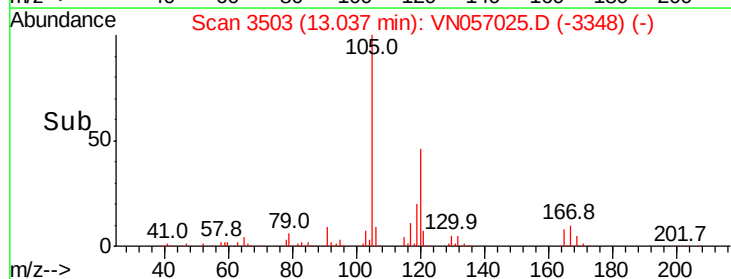
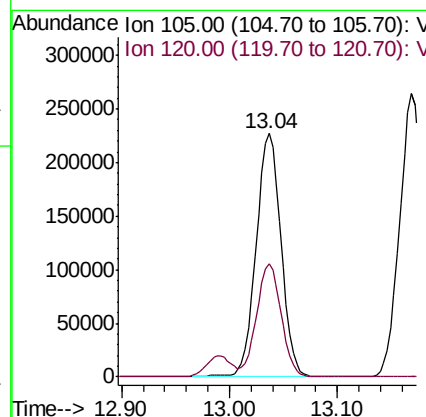
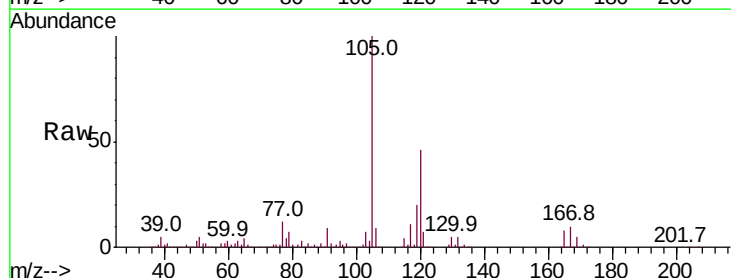
Manual Integrations
APPROVED

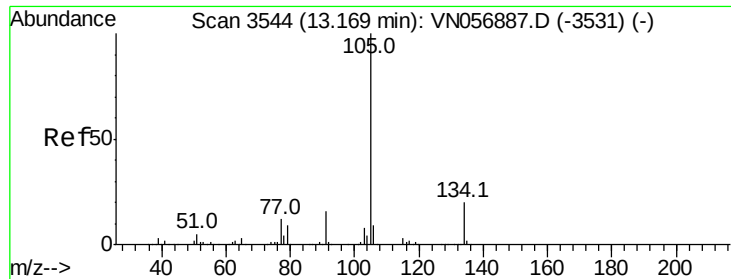
MMDadoda
8/2/2019 10:44:55 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.888 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN057025.D
Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	363225		
120	46.2	0.0	90.6	





#81

sec-Butylbenzene

Concen: 19.701 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS01

Tot Ion:105 Resp: 415828

Ion Ratio Lower Upper

105 100

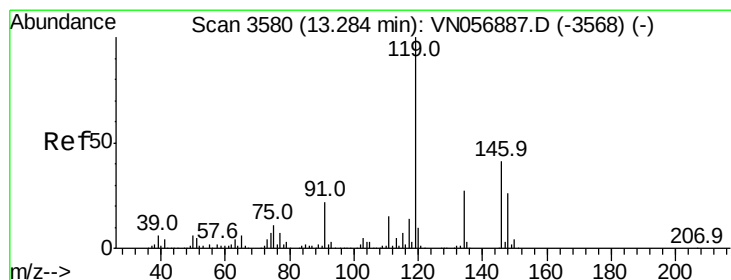
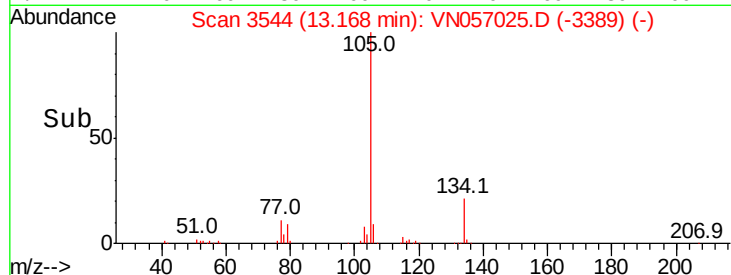
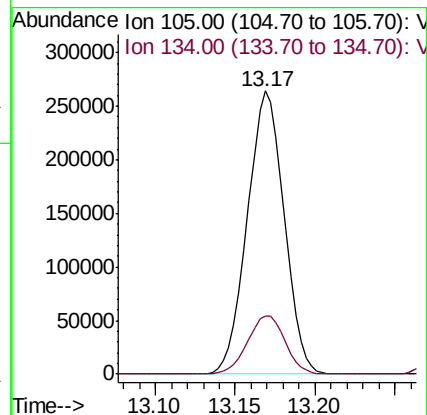
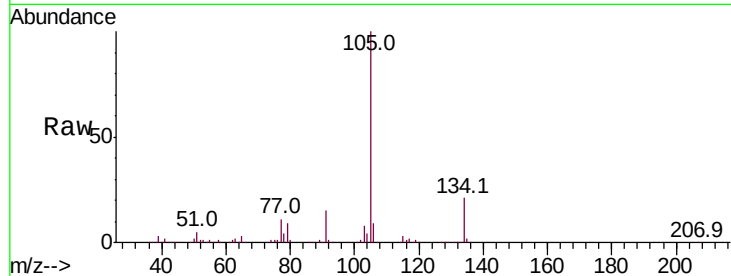
134 21.0 0.0 41.2

Manual Integrations

APPROVED

MMDadoda

8/2/2019 10:44:55 AM



#82

p-Isopropyltoluene

Concen: 19.930 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

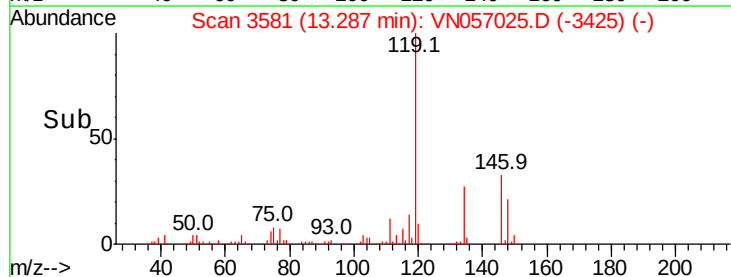
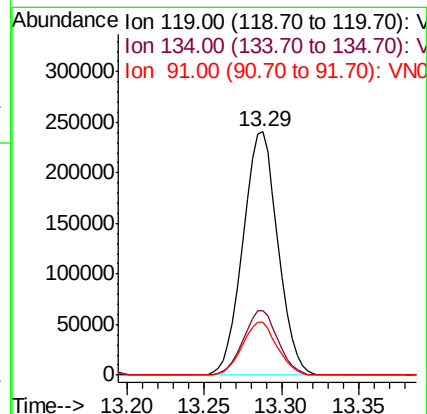
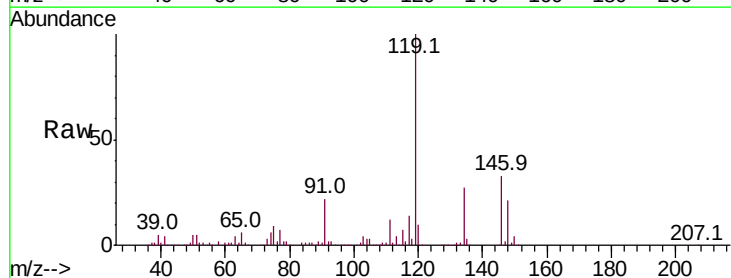
Tgt Ion:119 Resp: 377788

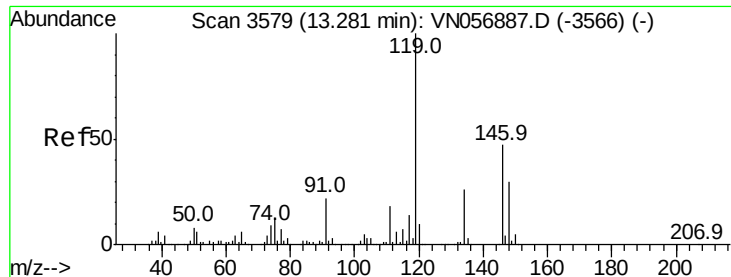
Ion Ratio Lower Upper

119 100

134 26.4 0.0 53.2

91 21.7 0.0 44.0





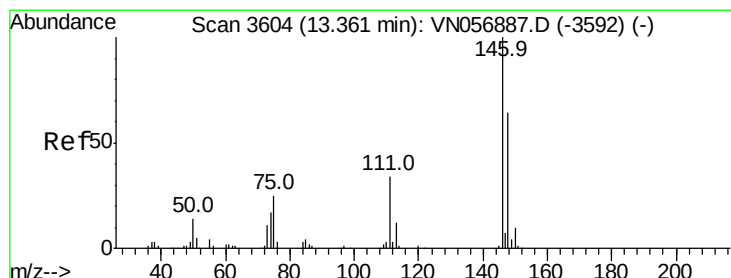
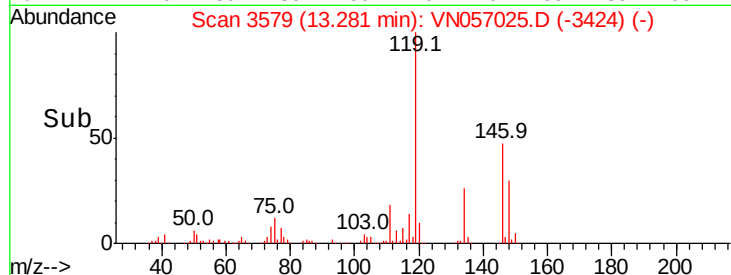
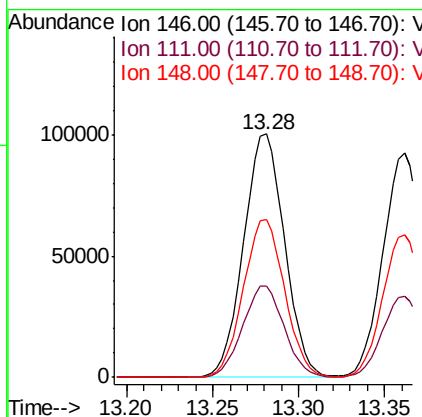
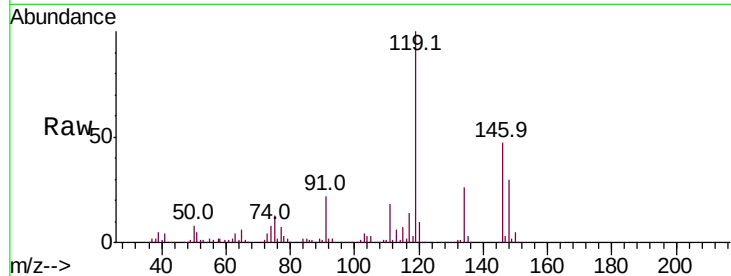
#83
 1,3-Dichlorobenzene
 Concen: 18.382 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	166200		
111	37.8	18.8	56.4	
148	65.1	31.7	95.1	

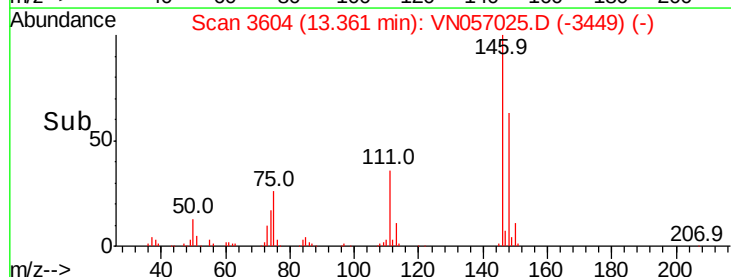
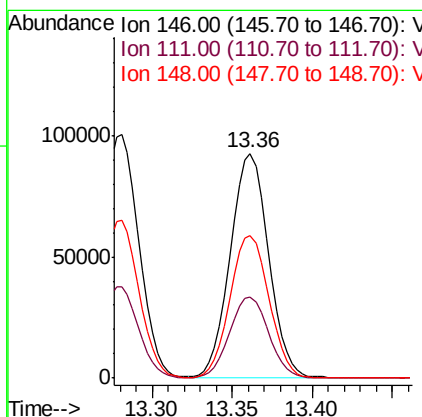
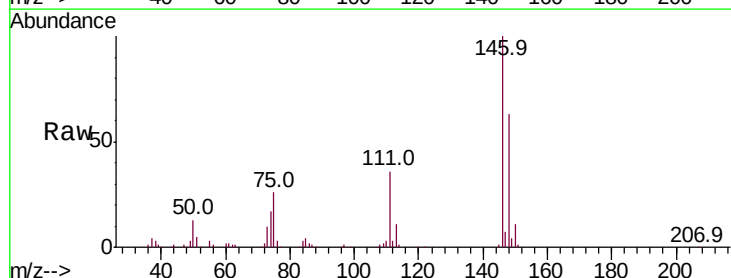
Manual Integrations
 APPROVED

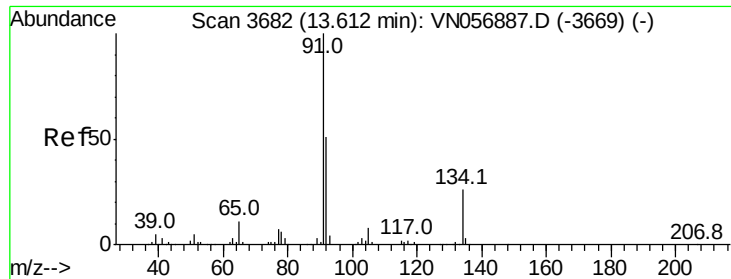
MMDadoda
 8/2/2019 10:44:55 AM



#84
 1,4-Dichlorobenzene
 Concen: 17.736 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	151619		
111	36.6	17.8	53.5	
148	64.6	32.6	97.7	





#85

n-Butylbenzene

Concen: 18.019 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

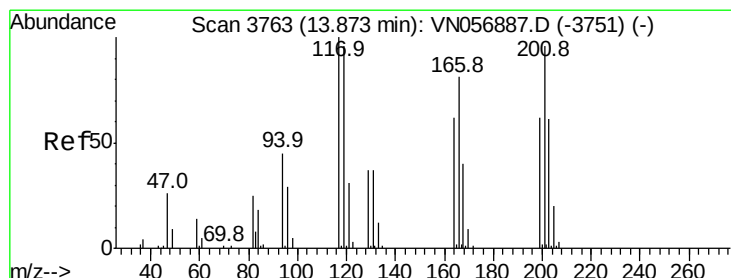
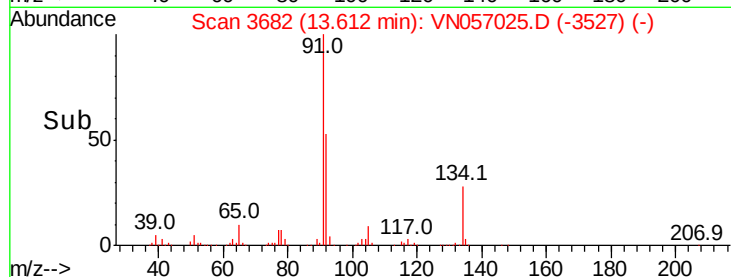
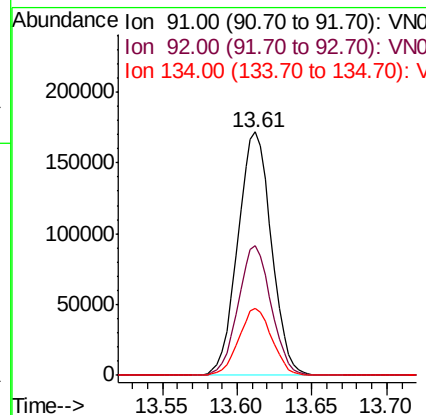
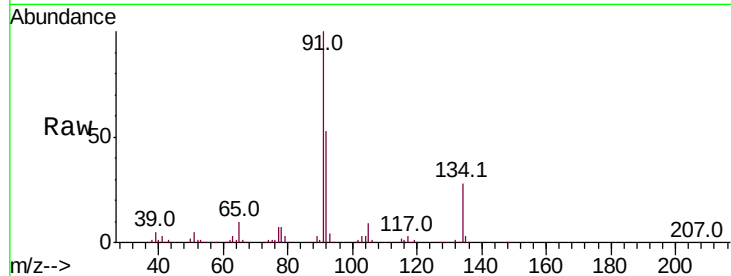
ClientSampleId :

VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	268211		
92	52.3	0.0	101.8	
134	27.1	0.0	52.4	

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM



#86

Hexachloroethane

Concen: 20.401 ug/l

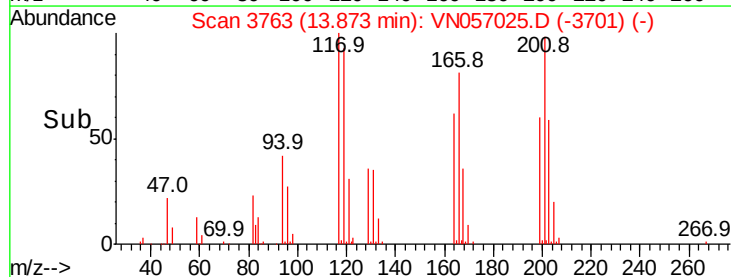
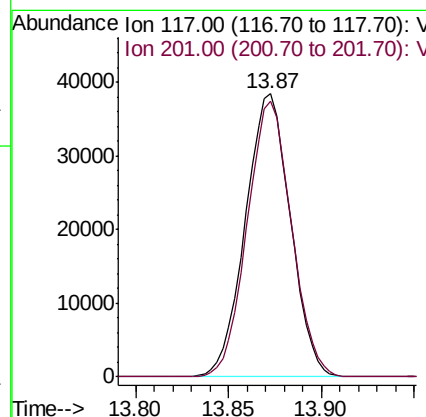
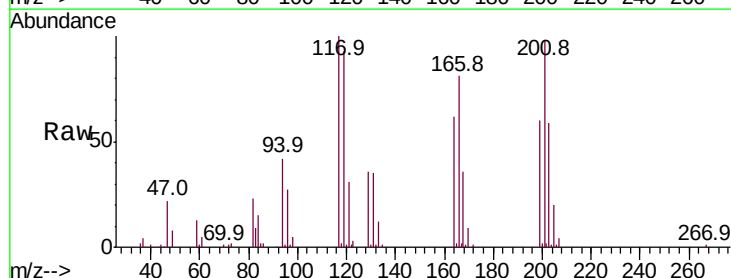
RT: 13.87 min Scan# 3763

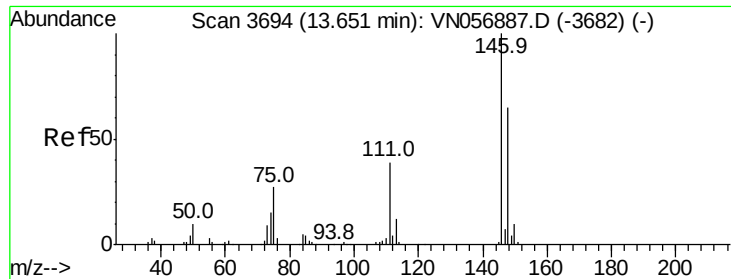
Delta R.T. -0.00 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	64721		
201	95.6	47.8	143.3	





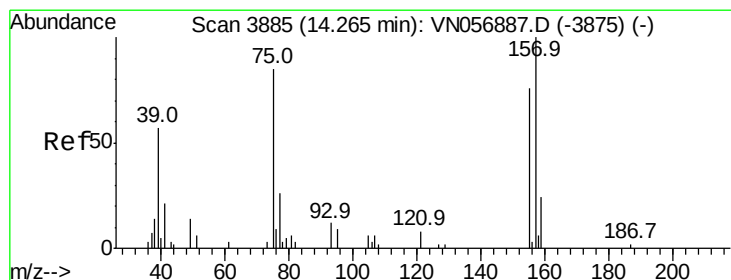
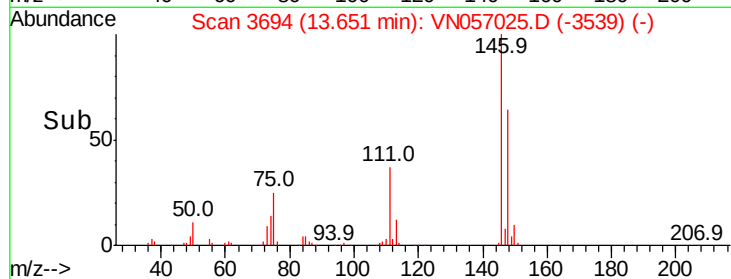
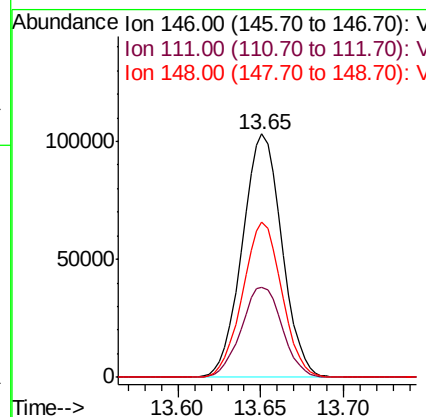
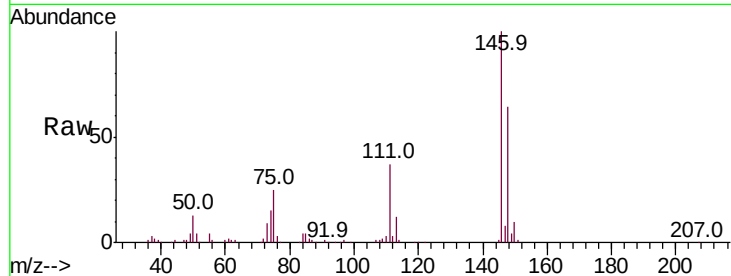
#87
 1,2-Dichlorobenzene
 Concen: 19.081 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.6	58.8
148	63.2	32.5	97.5

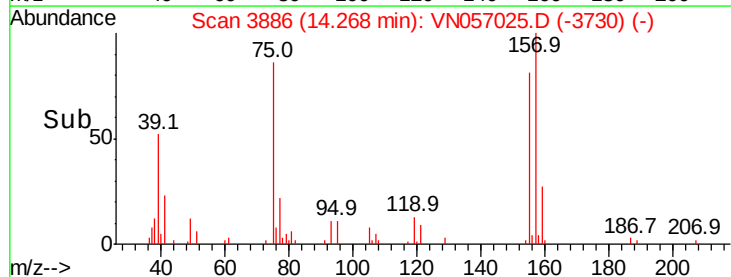
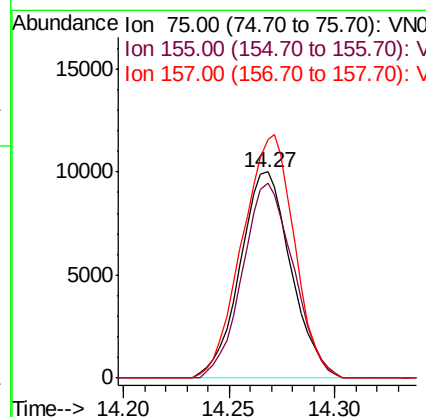
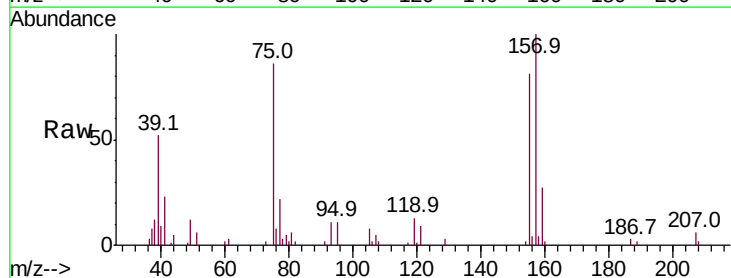
Manual Integrations
 APPROVED

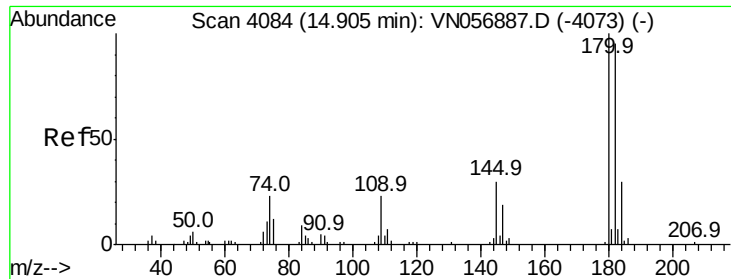
MMDadoda
 8/2/2019 10:44:55 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.411 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	73.4	110.2
157	120.7	95.0	142.6





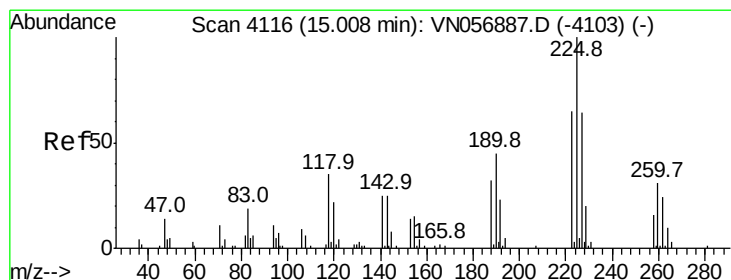
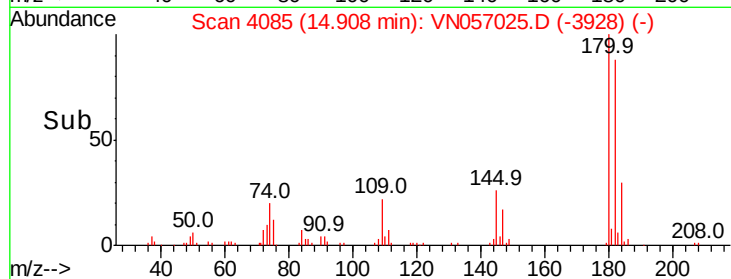
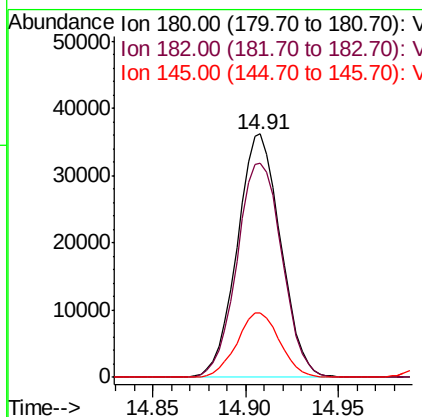
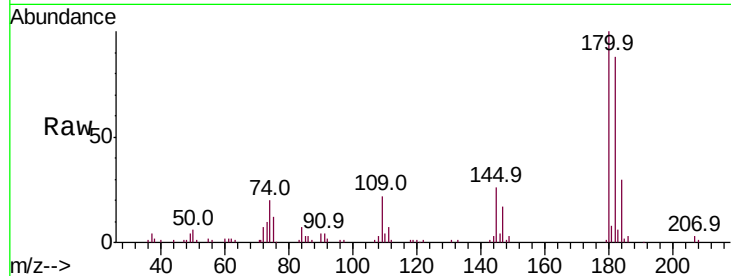
#89
 1,2,4-Trichlorobenzene
 Concen: 17.532 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	91.1	77.0	115.4	
145	26.2	23.5	35.3	

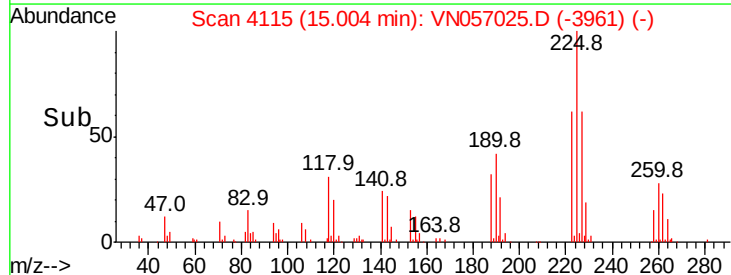
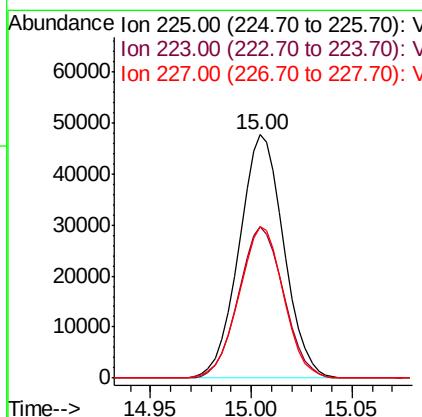
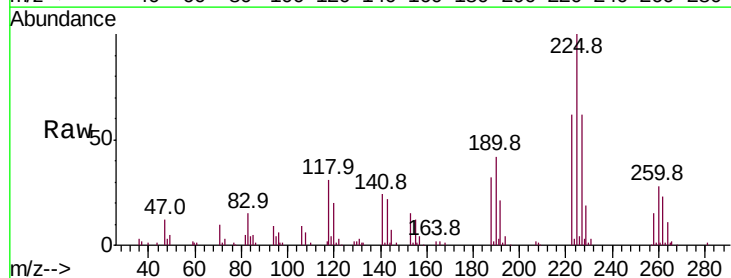
Manual Integrations
 APPROVED

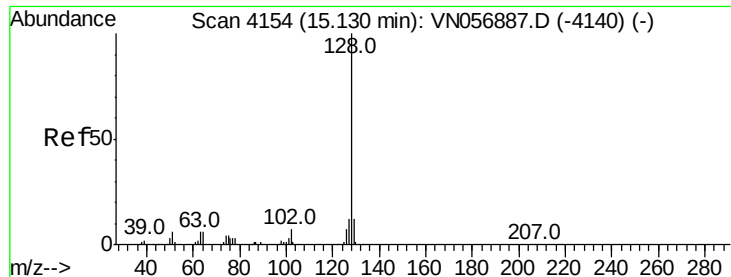
MMDadoda
 8/2/2019 10:44:55 AM



#90
 Hexachlorobutadiene
 Concen: 22.379 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN057025.D
 Acq: 1 Aug 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	0.0	130.0	
227	62.1	0.0	127.2	





#91

Naphthalene

Concen: 15.851 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Instrument :

MSVOA_N

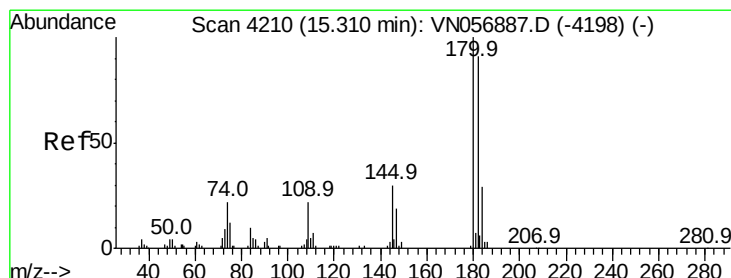
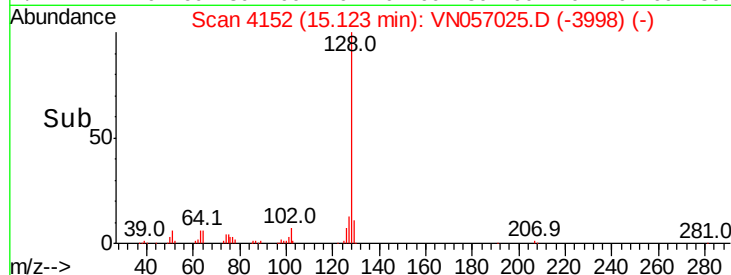
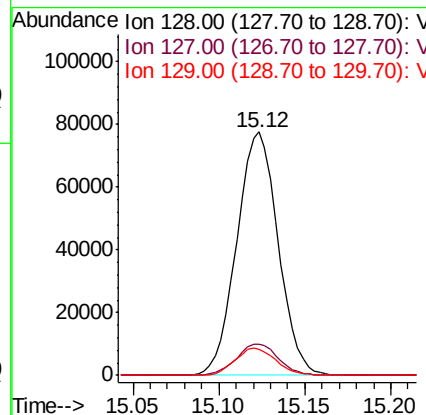
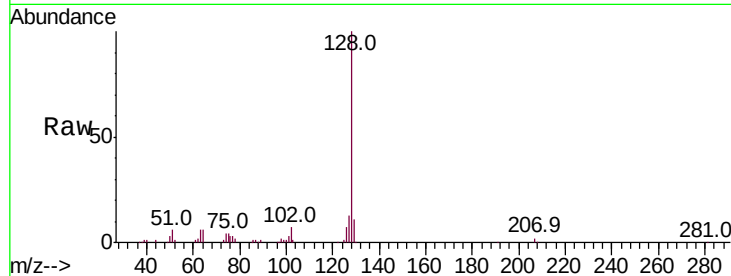
ClientSampled :

VN0801WBS01

Tot Ion:	128	Resp:	129721
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.0	15.0
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:55 AM



#92

1,2,3-Trichlorobenzene

Concen: 13.996 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.02 min

Lab File: VN057025.D

Acq: 1 Aug 2019 10:13

Tgt Ion:	180	Resp:	66450
Ion Ratio	Lower	Upper	
180	100		
182	95.8	0.0	188.0
145	29.7	0.0	61.0

