

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056700.D
 Acq On : 15 Jul 2019 9:56
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:19 AM

Quant Time: Jul 16 01:19:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:03:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	354432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	538032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	485262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	222014	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	194756	49.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.54%	
35) Dibromofluoromethane	7.59	113	167130	50.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.04%	
50) Toluene-d8	10.09	98	647588	49.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	222197	51.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	156545	51.905	ug/l	100
3) Chloromethane	2.06	50	208216	50.547	ug/l	100
4) Vinyl Chloride	2.18	62	203587	51.208	ug/l	100
5) Bromomethane	2.55	94	120258	52.012	ug/l	100
6) Chloroethane	2.69	64	116380	50.754	ug/l	100
7) Trichlorofluoromethane	3.01	101	258786	50.370	ug/l	100
8) Diethyl Ether	3.41	74	105835	48.904	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	158223	48.538	ug/l	100
10) Methyl Iodide	3.95	142	225487	51.467	ug/l	100
11) Tert butyl alcohol	4.79	59	160576	243.870	ug/l	100
12) 1,1-Dichloroethene	3.73	96	158838	50.546	ug/l	100
13) Acrolein	3.61	56	50422	103.372	ug/l	100
14) Allyl chloride	4.32	41	281694	53.422	ug/l	100
15) Acrylonitrile	4.99	53	468773	254.951	ug/l	100
16) Acetone	3.82	43	436927	225.453	ug/l	100
17) Carbon Disulfide	4.05	76	420871	57.395	ug/l	100
18) Methyl Acetate	4.32	43	197301	39.730	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	514210	49.567	ug/l	100
20) Methylene Chloride	4.55	84	187286	46.257	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	172022	50.691	ug/l	100
22) Diisopropyl ether	5.95	45	564422	51.221	ug/l	100
23) Vinyl Acetate	5.90	43	2366356	272.132	ug/l	100
24) 1,1-Dichloroethane	5.85	63	319813	50.635	ug/l	100
25) 2-Butanone	6.84	43	653434	251.308	ug/l	100
26) 2,2-Dichloropropane	6.83	77	235515	53.147	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	199994	50.532	ug/l	100
28) Bromochloromethane	7.19	49	152802	49.303	ug/l	100
29) Tetrahydrofuran	7.21	42	429856	266.584	ug/l	100
30) Chloroform	7.37	83	310190	49.855	ug/l	100
31) Cyclohexane	7.65	56	304321	49.632	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	258691	52.298	ug/l	100
36) 1,1-Dichloropropene	7.79	75	238860	50.126	ug/l	100
37) Ethyl Acetate	6.93	43	252992	53.972	ug/l	100
38) Carbon Tetrachloride	7.77	117	226934	53.770	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056700.D
 Acq On : 15 Jul 2019 9:56
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:19 AM

Quant Time: Jul 16 01:19:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:03:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	300395	50.924	ug/l	100
40) Benzene	8.04	78	739966	50.452	ug/l	100
41) Methacrylonitrile	7.18	41	107316m	52.351	ug/l	
42) 1,2-Dichloroethane	8.12	62	233939	48.552	ug/l	100
43) Isopropyl Acetate	8.16	43	390354	53.785	ug/l	100
44) Trichloroethene	8.83	130	196663	49.976	ug/l	100
45) 1,2-Dichloropropane	9.12	63	198984	50.766	ug/l	100
46) Dibromomethane	9.21	93	125314	51.156	ug/l	100
47) Bromodichloromethane	9.40	83	238186	54.342	ug/l	100
48) Methyl methacrylate	9.20	41	191526	52.568	ug/l	100
49) 1,4-Dioxane	9.20	88	73565	980.590	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1255151	267.824	ug/l	100
52) Toluene	10.15	92	452647	50.529	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	258320	58.240	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	294632	55.967	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	182979	50.888	ug/l	100
56) Ethyl methacrylate	10.43	69	288674	54.535	ug/l	100
57) 1,3-Dichloropropane	10.71	76	305784	50.670	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	701685	346.122	ug/l	100
59) 2-Hexanone	10.75	43	934987	270.546	ug/l	100
60) Dibromochloromethane	10.90	129	191462	57.841	ug/l	100
61) 1,2-Dibromoethane	11.00	107	190713	51.935	ug/l	100
64) Tetrachloroethene	10.63	164	193927	50.005	ug/l	100
65) Chlorobenzene	11.43	112	482007	49.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	180139	54.041	ug/l	100
67) Ethyl Benzene	11.51	91	860648	50.098	ug/l	100
68) m/p-Xylenes	11.62	106	650882	103.313	ug/l	100
69) o-Xylene	11.95	106	316800	50.837	ug/l	100
70) Styrene	11.96	104	535153	53.679	ug/l	100
71) Bromoform	12.12	173	145355	61.495	ug/l #	100
73) Isopropylbenzene	12.25	105	826593	42.552	ug/l	100
74) N-amyl acetate	12.07	43	325501	46.088	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	263115	43.241	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	231688m	49.664	ug/l	
77) Bromobenzene	12.52	156	217251	44.064	ug/l	100
78) n-propylbenzene	12.59	91	939015	46.252	ug/l	100
79) 2-Chlorotoluene	12.67	91	556834	43.619	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	704827	44.370	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	79491	58.364	ug/l	100
82) 4-Chlorotoluene	12.77	91	555119	46.347	ug/l	100
83) tert-Butylbenzene	12.99	119	596062	41.266	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	702465	47.011	ug/l	100
85) sec-Butylbenzene	13.17	105	794455	44.696	ug/l	100
86) p-Isopropyltoluene	13.29	119	722651	47.198	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	366640	48.742	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	357130	48.817	ug/l	100
89) n-Butylbenzene	13.61	91	613269	52.087	ug/l	100
90) Hexachloroethane	13.87	117	117213	48.714	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	370774	49.592	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46751	55.797	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
Data File : VN056700.D
Acq On : 15 Jul 2019 9:56
Operator : JC/SP
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:19 AM

Quant Time: Jul 16 01:19:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 01:03:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	200130	62.026	ug/l	100
94) Hexachlorobutadiene	15.01	225	121527	42.869	ug/l	100
95) Naphthalene	15.13	128	534515	62.749	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	198799	57.844	ug/l	100

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

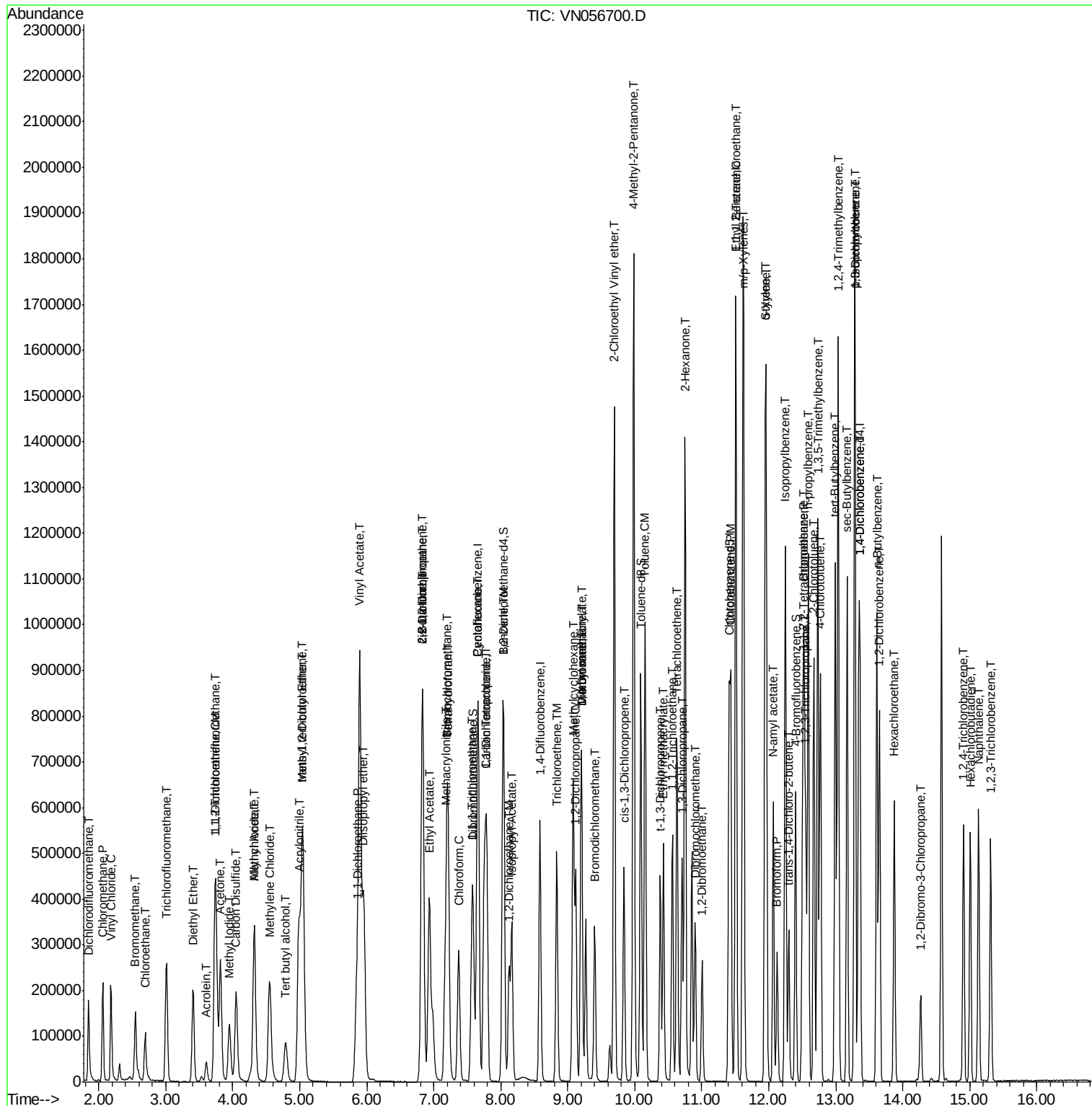
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
Data File : VN056700.D
Acq On : 15 Jul 2019 9:56
Operator : JC/SP
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

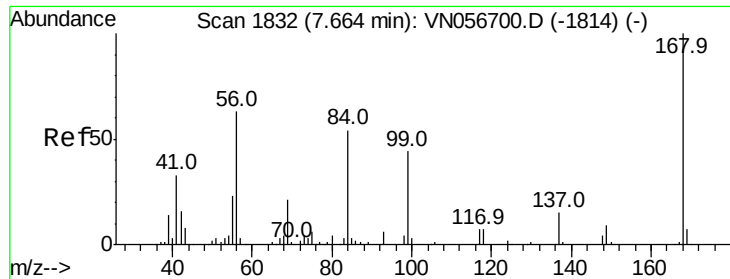
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:19 AM

Quant Time: Jul 16 01:19:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 01:03:16 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 354432

Ion Ratio Lower Upper

168 100

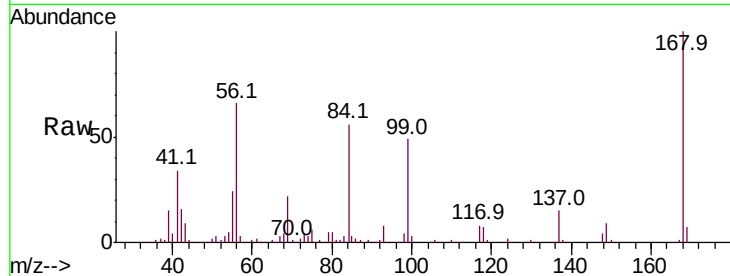
99 49.3 39.4 59.2

Manual Integrations

APPROVED

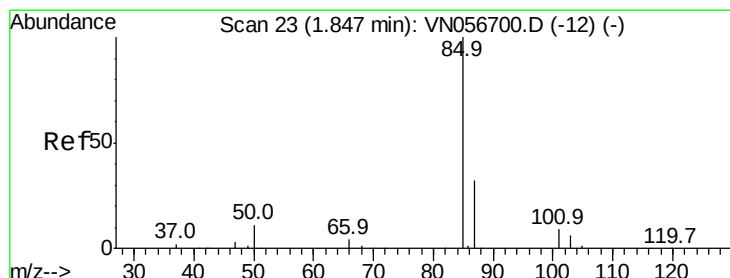
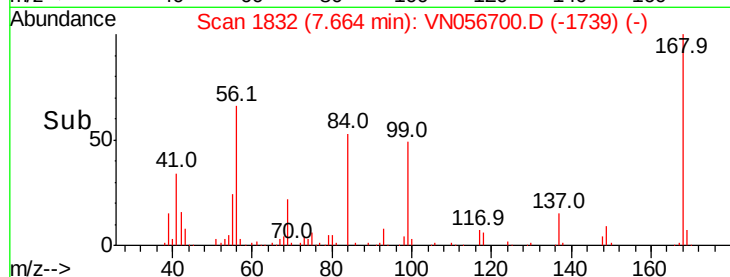
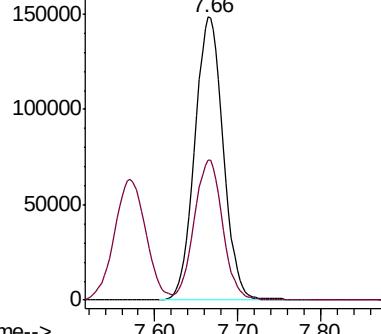
MMDadoda

7/17/2019 1:31:19 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 51.905 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056700.D

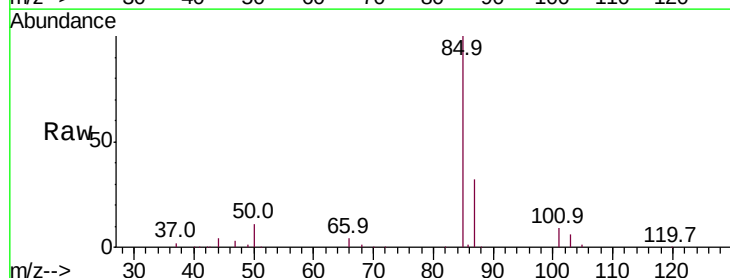
Acq: 15 Jul 2019 9:56

Tgt Ion: 85 Resp: 156545

Ion Ratio Lower Upper

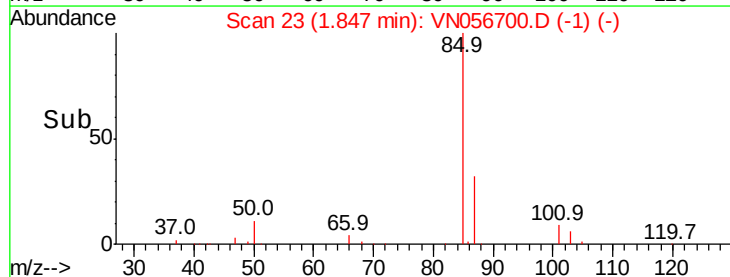
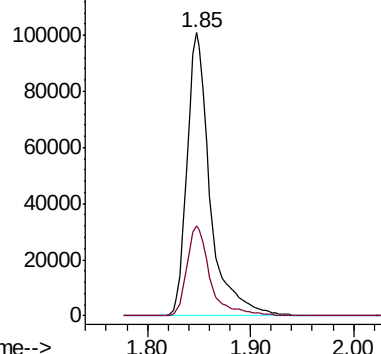
85 100

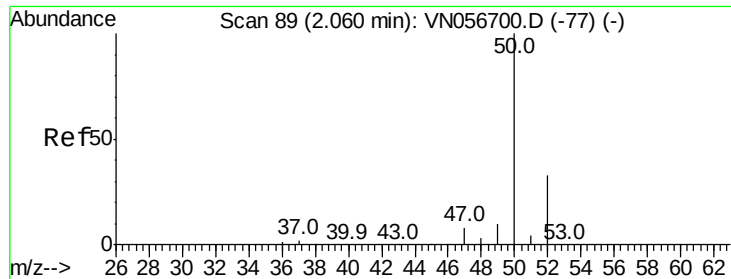
87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.547 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 208216

Ion Ratio Lower Upper

50 100

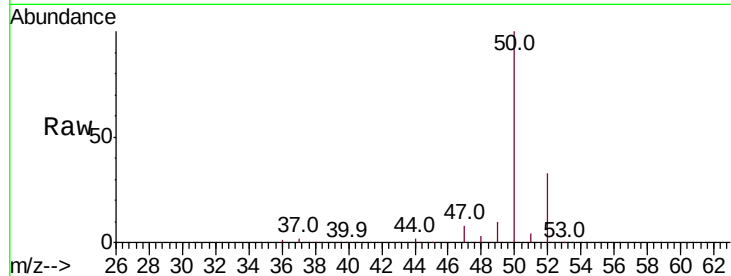
52 33.1 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

7/17/2019 1:31:19 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

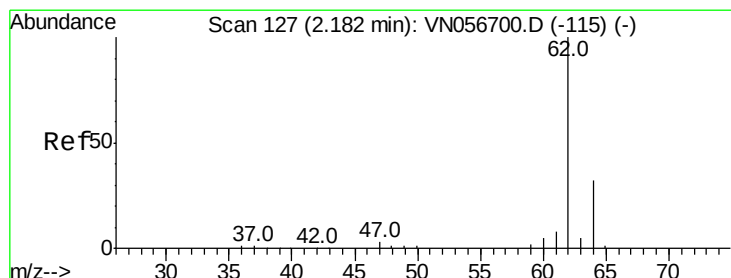
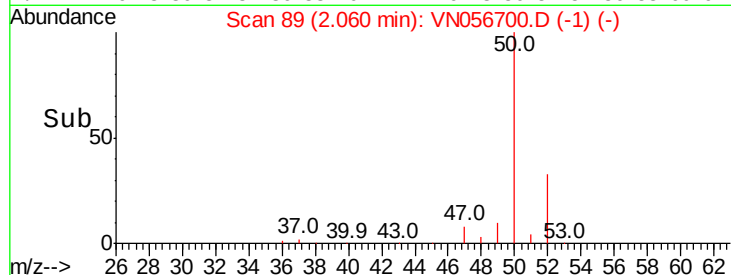
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.208 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056700.D

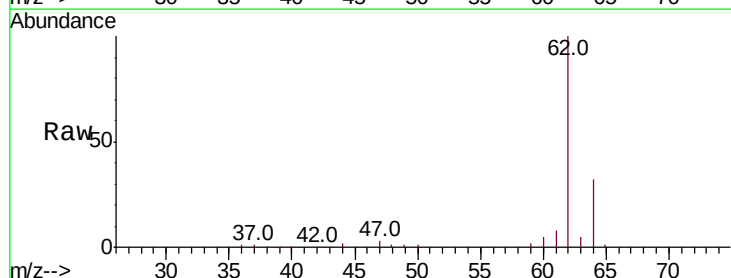
Acq: 15 Jul 2019 9:56

Tgt Ion: 62 Resp: 203587

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

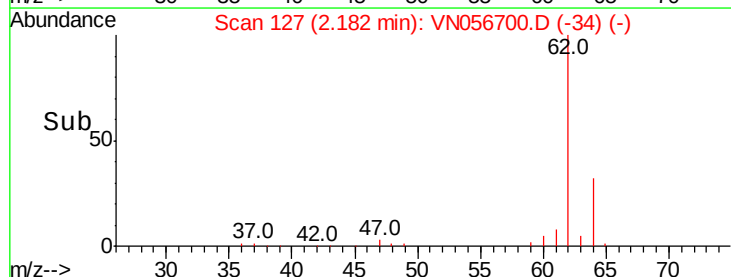
150000

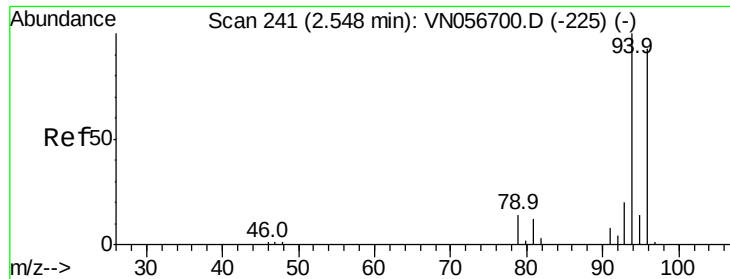
100000

50000

0

Time-->





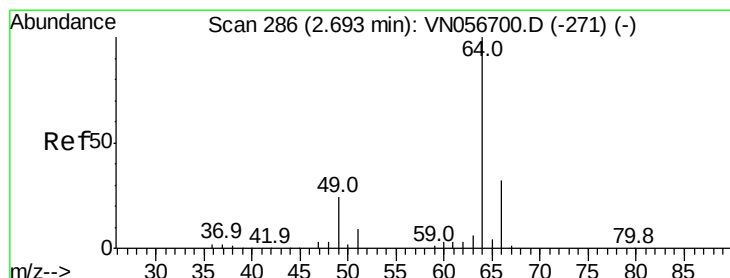
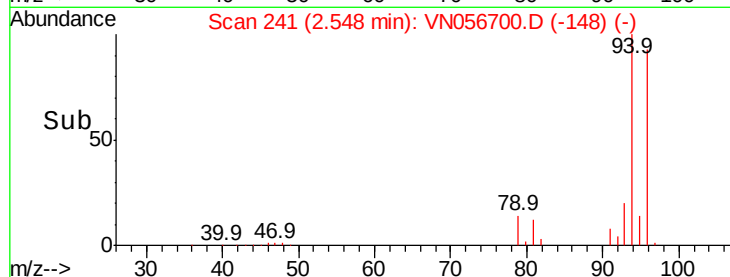
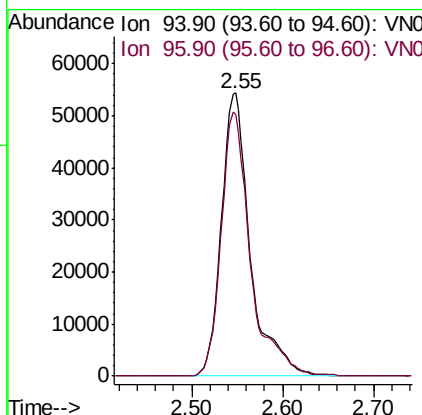
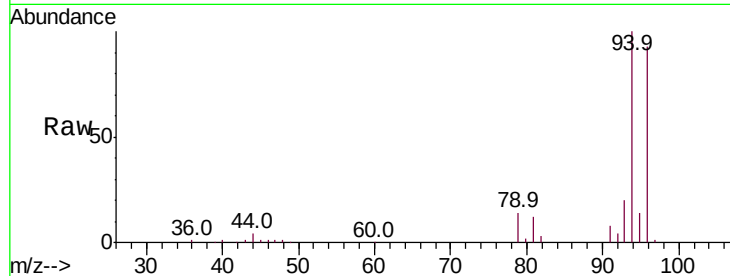
#5
Bromomethane
Concen: 52.012 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	94	Resp	120258
Ion Ratio	100	Lower	Upper
96	92.5	74.0	111.0

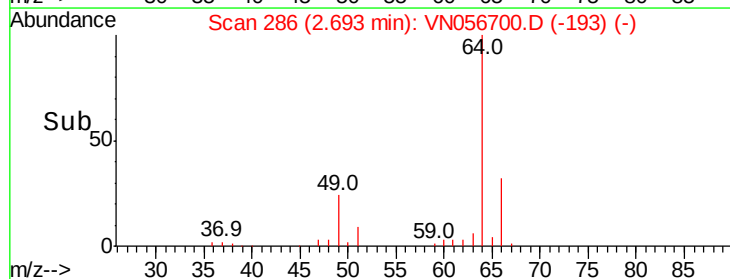
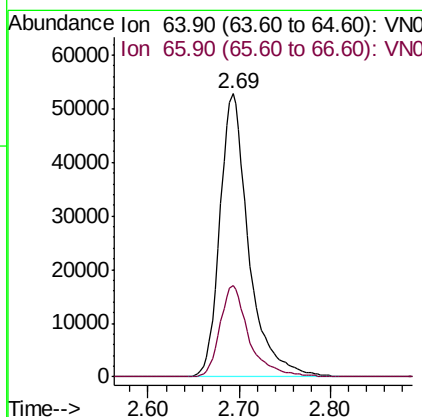
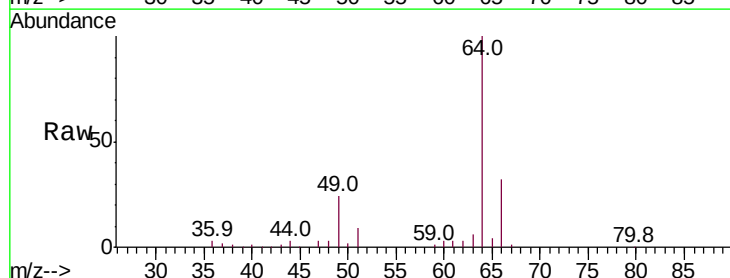
Manual Integrations
APPROVED

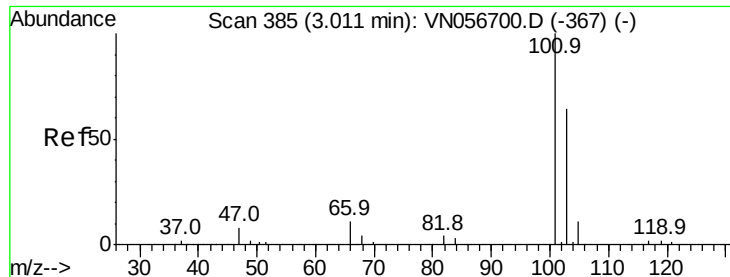
MMDadoda
7/17/2019 1:31:19 AM



#6
Chloroethane
Concen: 50.754 ug/l
RT: 2.69 min Scan# 286
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion	64	Resp	116380
Ion Ratio	100	Lower	Upper
66	32.3	25.8	38.8





#7

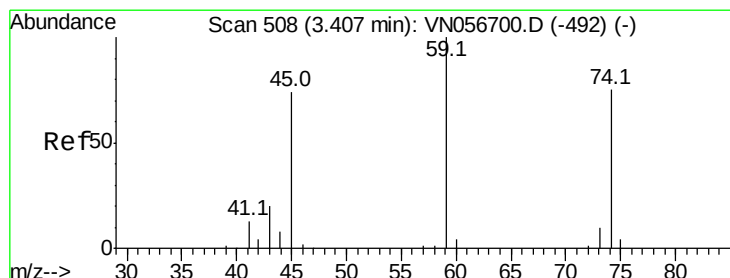
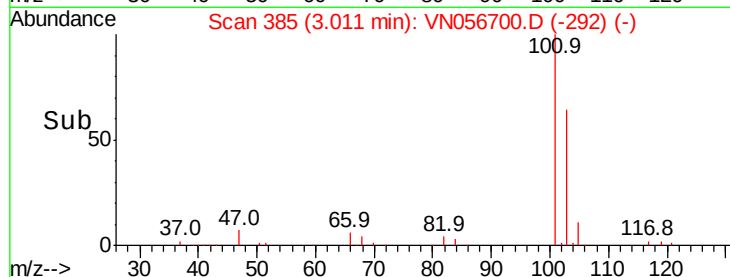
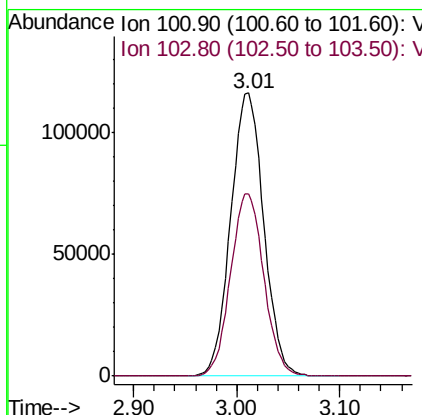
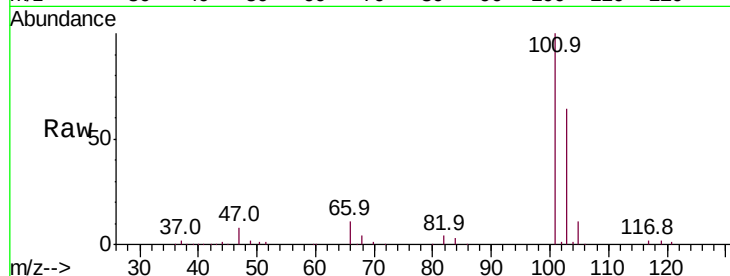
Trichlorofluoromethane
 Concen: 50.370 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.5	77.3

Manual Integrations
 APPROVED

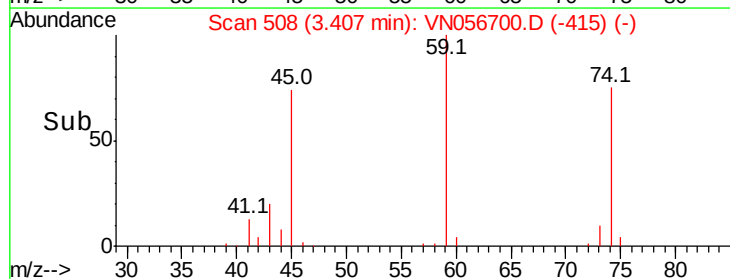
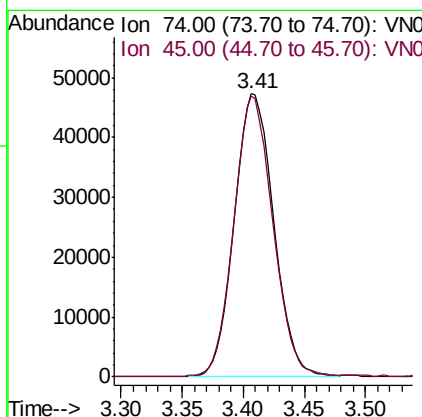
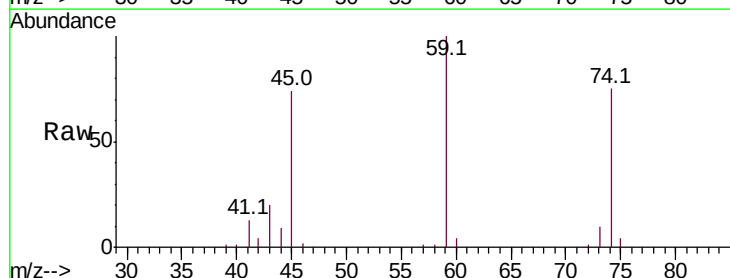
MMDadoda
 7/17/2019 1:31:19 AM

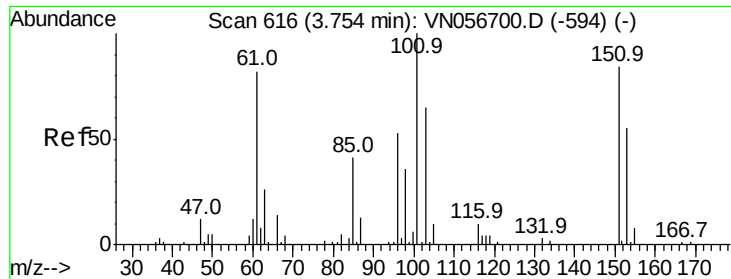


#8

Diethyl Ether
 Concen: 48.904 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	49.4	148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.538 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

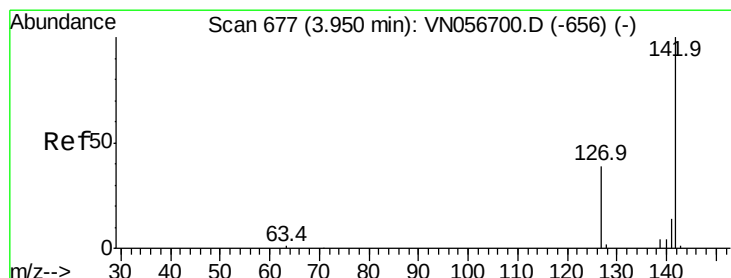
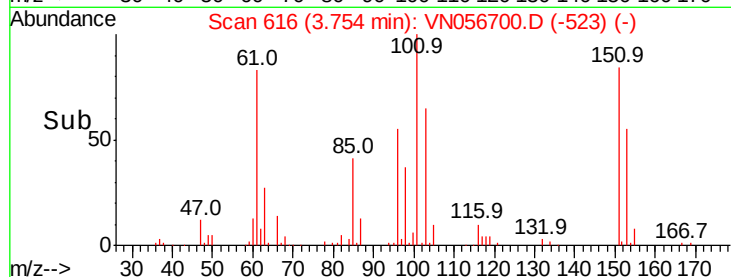
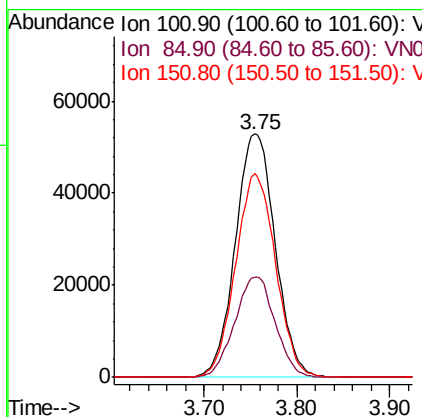
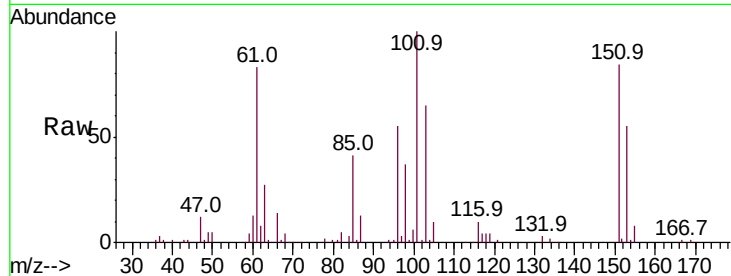
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	158223
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.3	49.9
151	83.8	67.0	100.6

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:19 AM



#10

Methyl Iodide

Concen: 51.467 ug/l

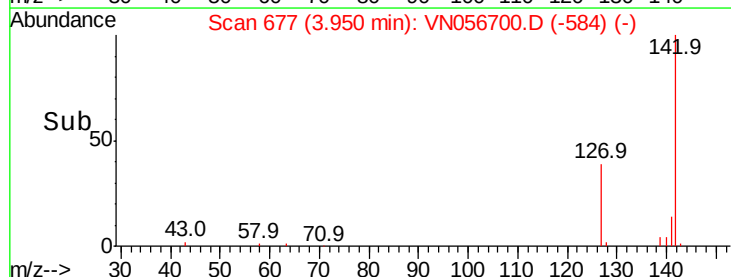
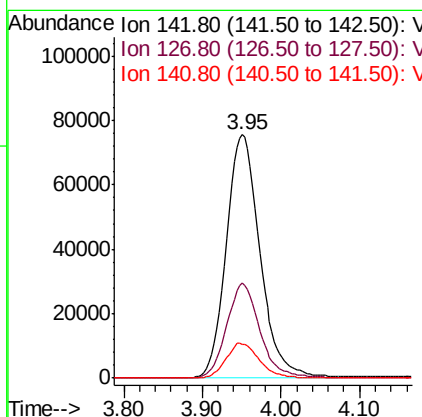
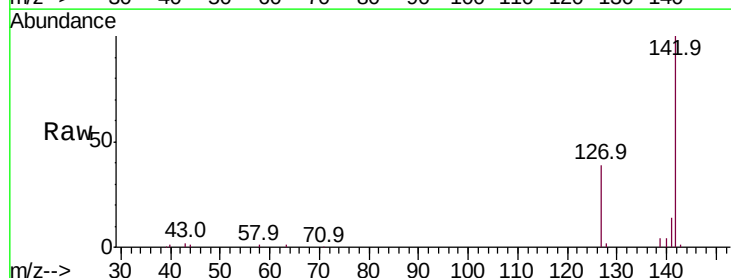
RT: 3.95 min Scan# 677

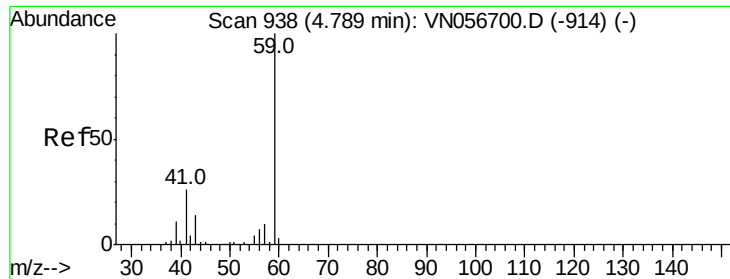
Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Tgt Ion:	142	Resp:	225487
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.7	46.1
141	14.1	11.3	16.9





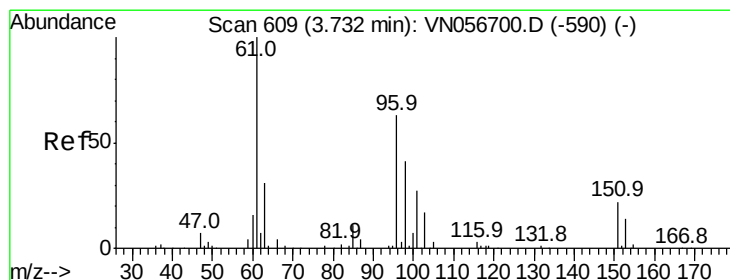
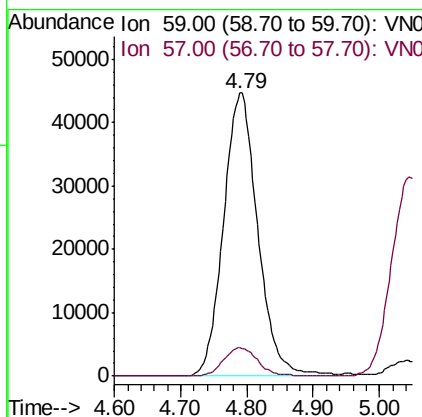
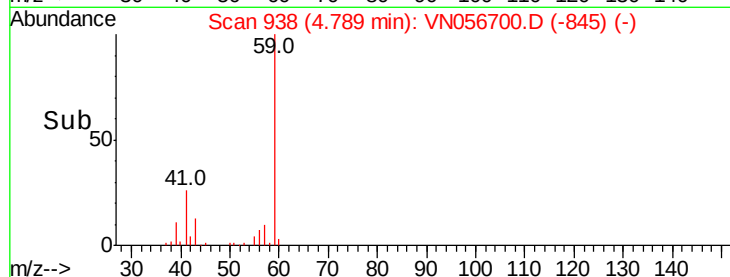
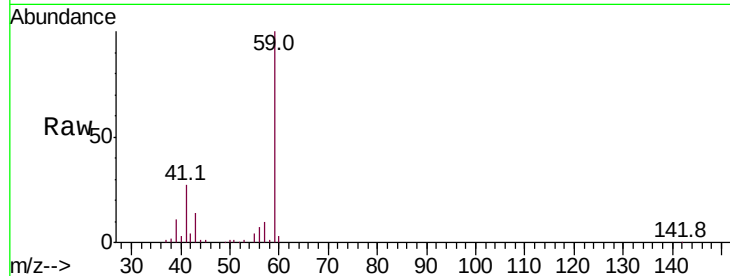
#11
Tert butyl alcohol
Concen: 243.870 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 59 Resp: 160576
Ion Ratio Lower Upper
59 100
57 10.0 8.0 12.0

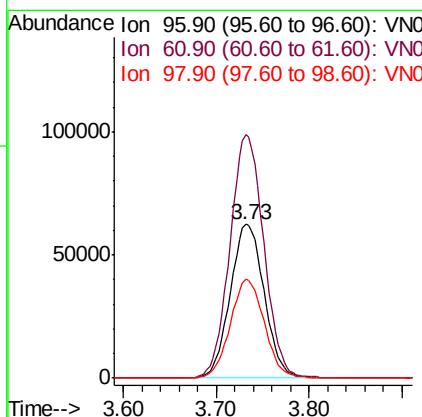
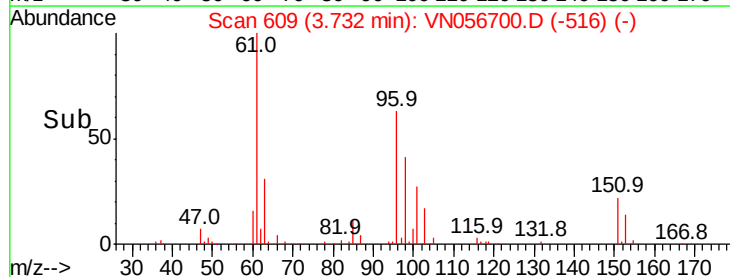
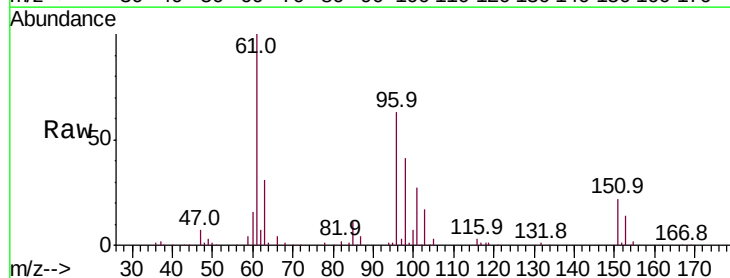
Manual Integrations
APPROVED

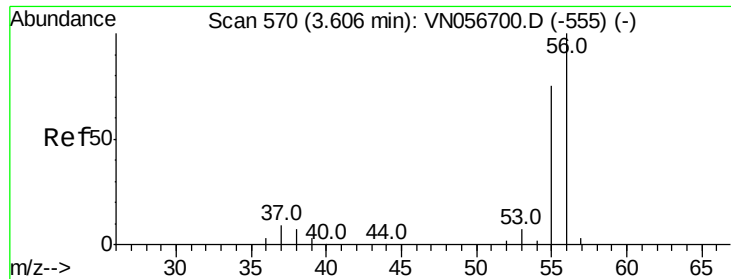
MMDadoda
7/17/2019 1:31:19 AM



#12
1,1-Dichloroethene
Concen: 50.546 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion: 96 Resp: 158838
Ion Ratio Lower Upper
96 100
61 158.2 126.6 189.8
98 64.3 51.4 77.2





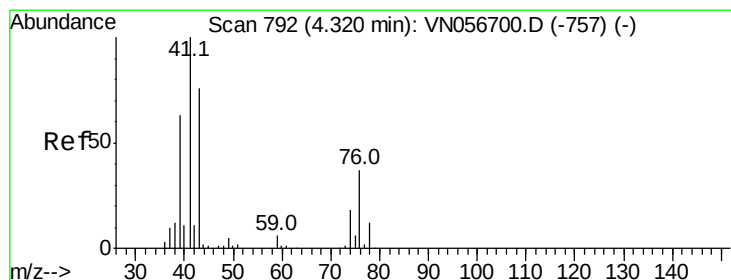
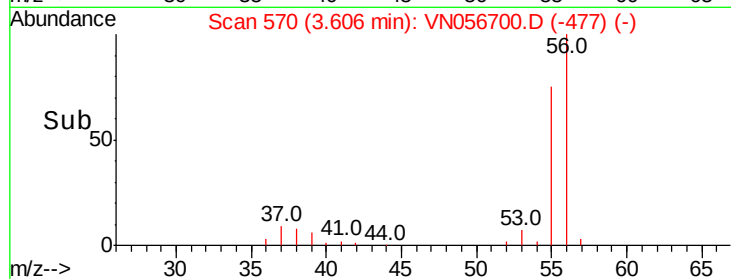
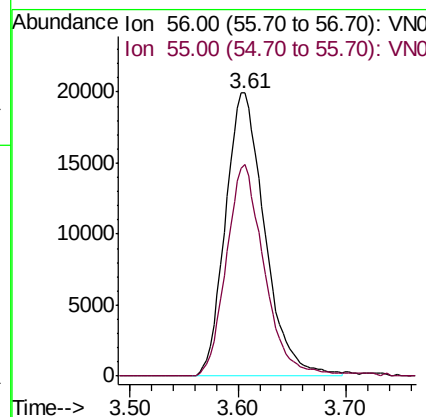
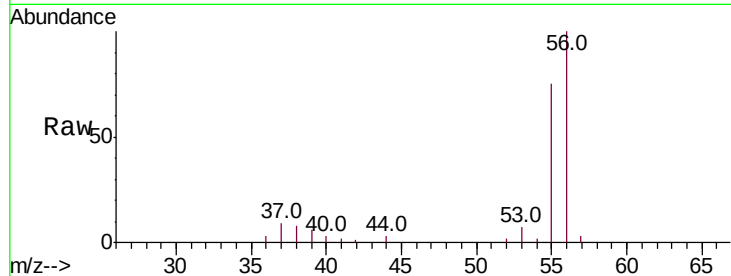
#13
Acrolein
Concen: 103.372 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	50422
Ion Ratio	Lower	Upper	
56	100		
55	72.5	58.0	87.0

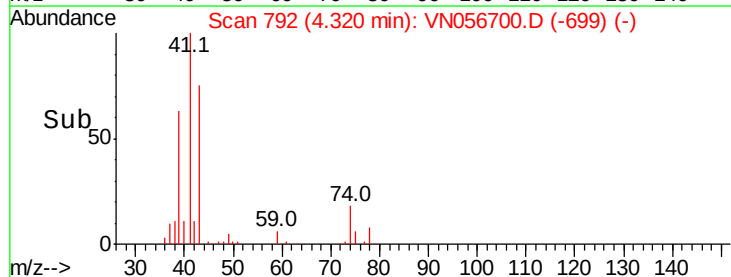
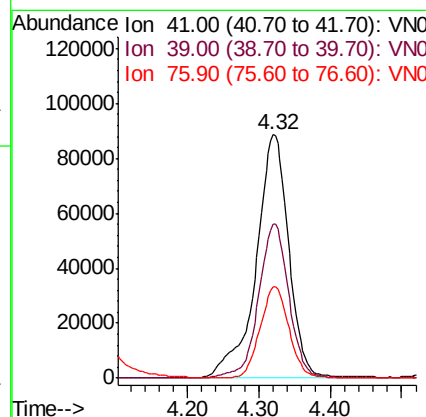
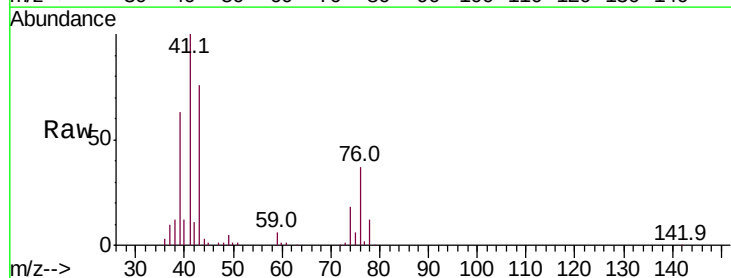
Manual Integrations
APPROVED

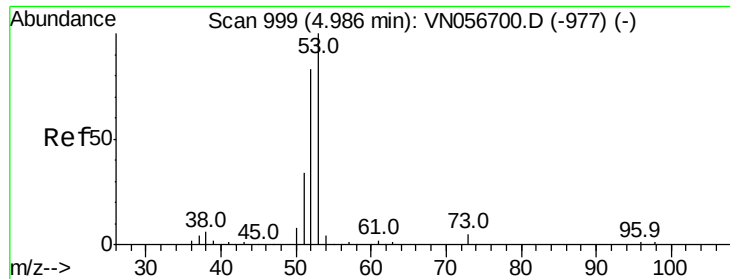
MMDadoda
7/17/2019 1:31:19 AM



#14
Allyl chloride
Concen: 53.422 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion	41	Resp	281694
Ion Ratio	Lower	Upper	
41	100		
39	58.6	46.9	70.3
76	33.1	26.5	39.7





#15

Acrylonitrile

Concen: 254.951 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

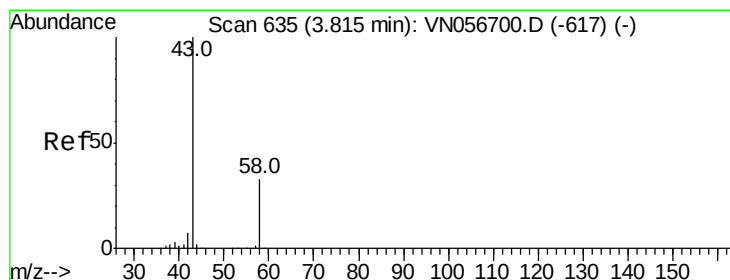
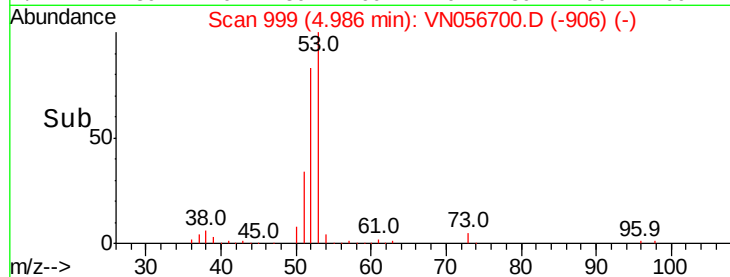
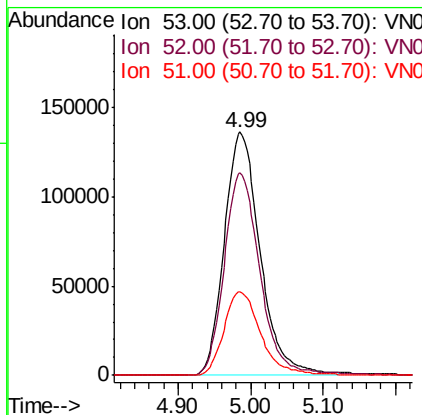
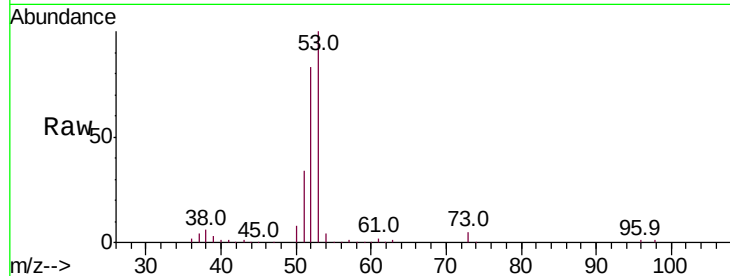
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	468773
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.6	99.8
51	35.5	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:19 AM



#16

Acetone

Concen: 225.453 ug/l

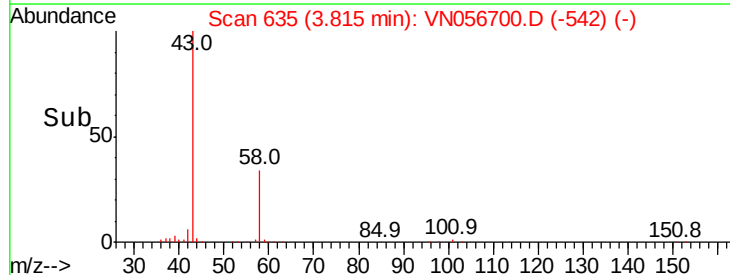
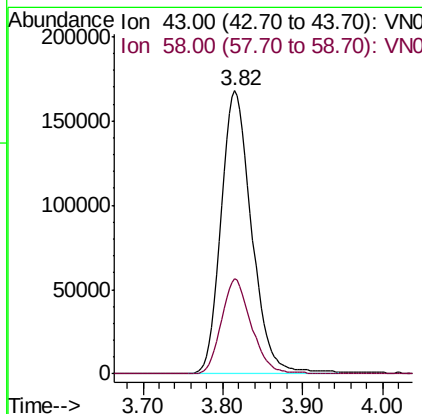
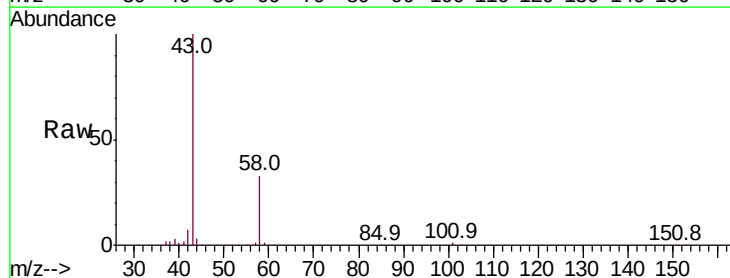
RT: 3.82 min Scan# 635

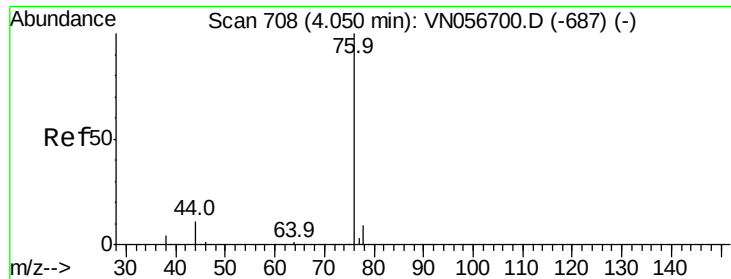
Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Tgt Ion:	43	Resp:	436927
Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.7	40.1





#17

Carbon Disulfide

Concen: 57.395 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 420871

Ion Ratio Lower Upper

76 100

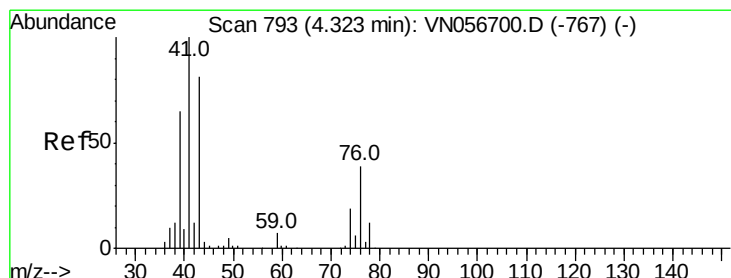
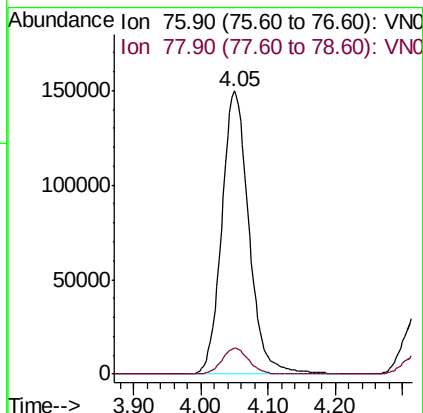
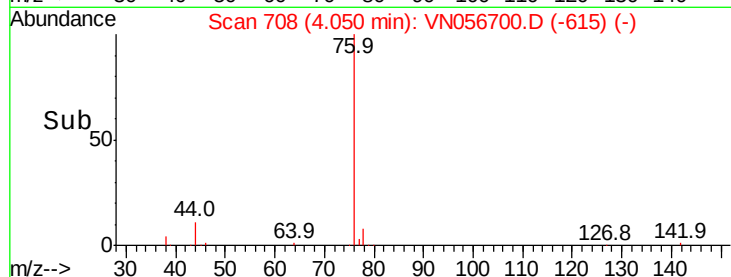
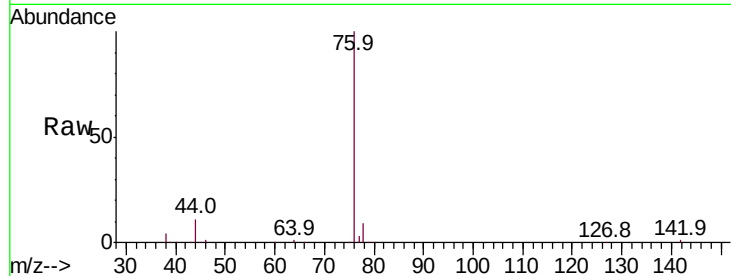
78 9.2 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

7/17/2019 1:31:19 AM



#18

Methyl Acetate

Concen: 39.730 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056700.D

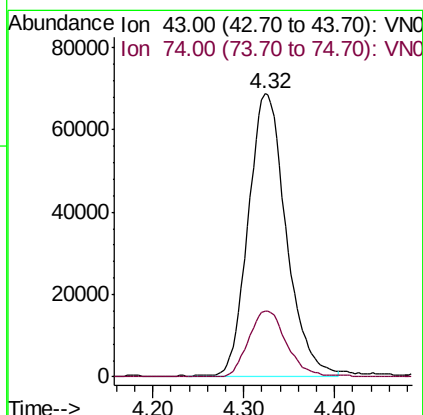
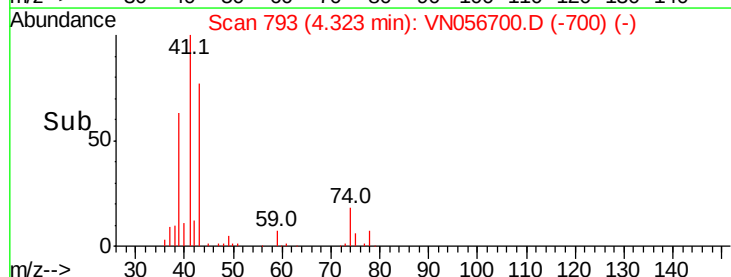
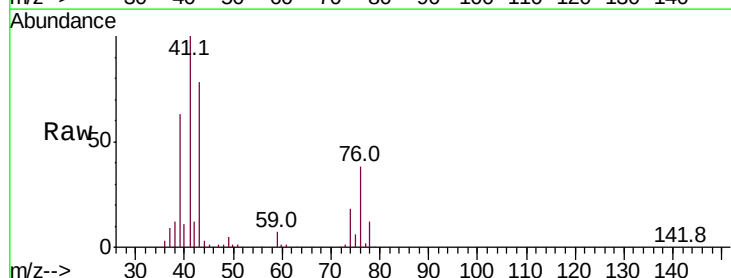
Acq: 15 Jul 2019 9:56

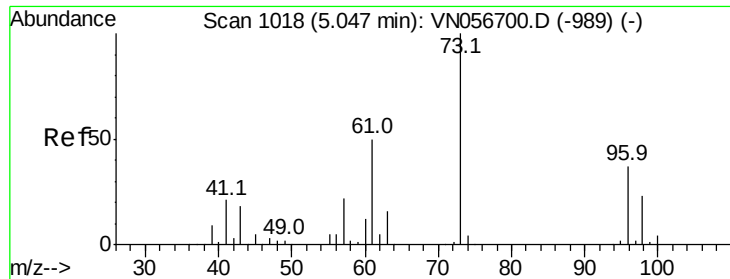
Tgt Ion: 43 Resp: 197301

Ion Ratio Lower Upper

43 100

74 23.6 18.9 28.3





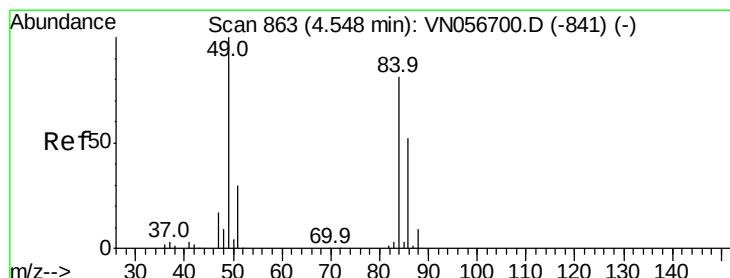
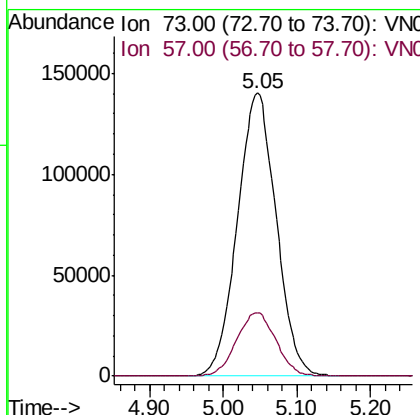
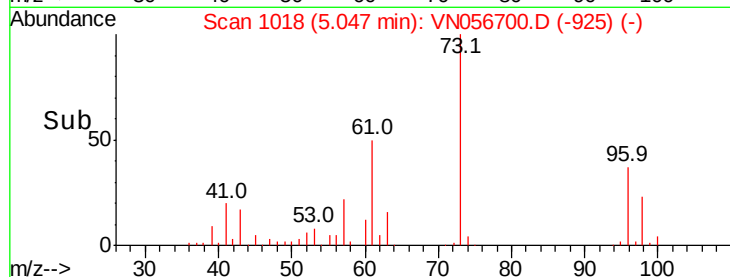
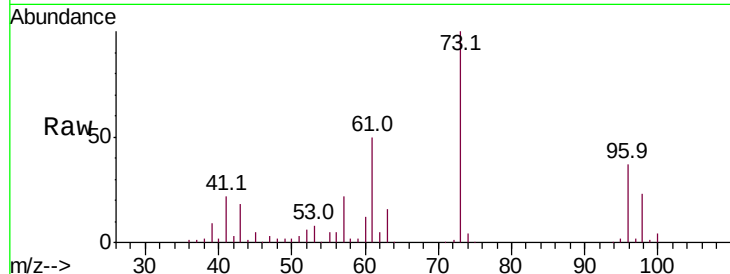
#19
Methyl tert-butyl Ether
Concen: 49.567 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 514210
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9

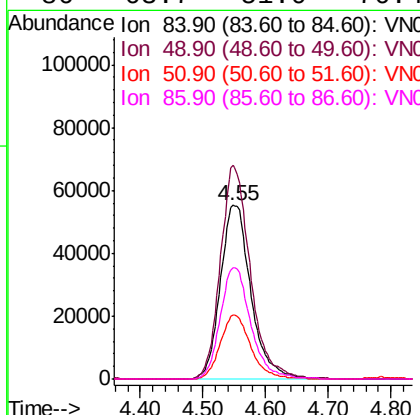
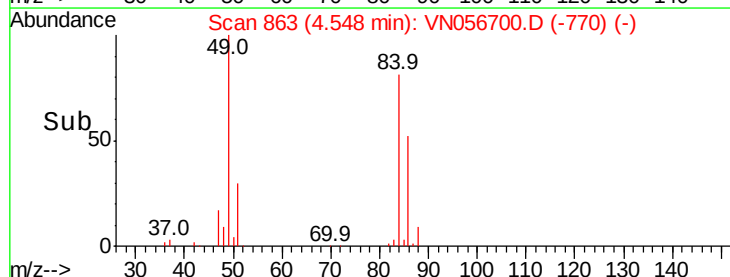
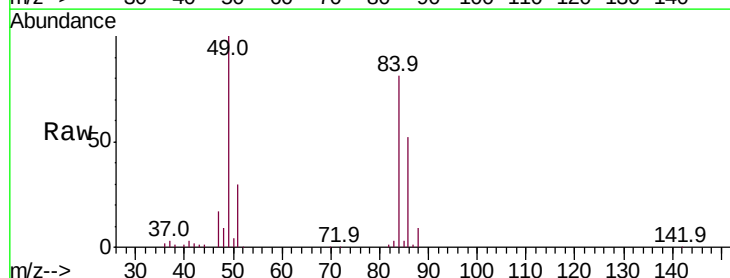
Manual Integrations
APPROVED

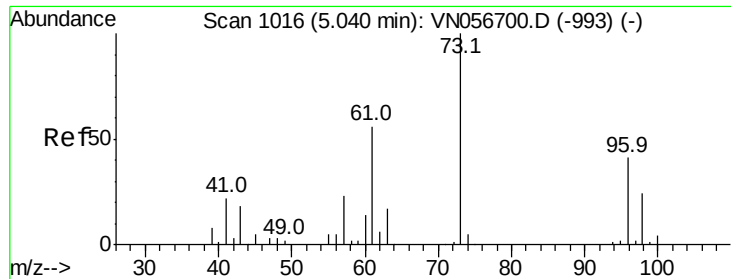
MMDadoda
7/17/2019 1:31:19 AM



#20
Methylene Chloride
Concen: 46.257 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion: 84 Resp: 187286
Ion Ratio Lower Upper
84 100
49 122.8 98.2 147.4
51 37.0 29.6 44.4
86 63.7 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 50.691 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 172022

Ion Ratio Lower Upper

96 100

61 136.8 109.4 164.2

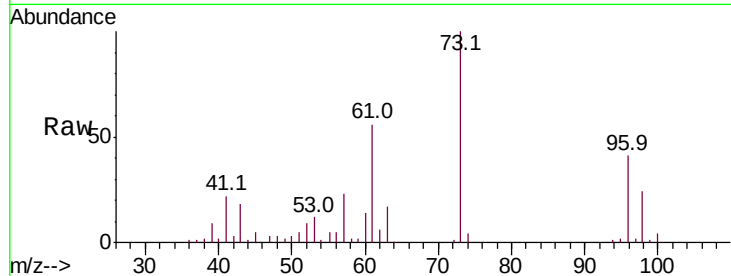
98 60.0 48.0 72.0

Manual Integrations

APPROVED

MMDadoda

7/17/2019 1:31:19 AM

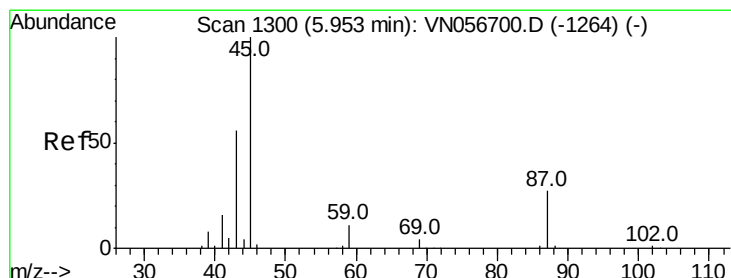
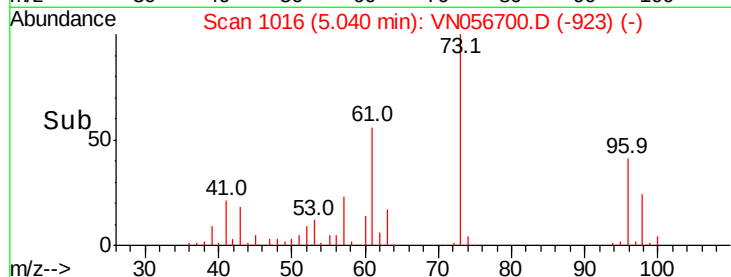
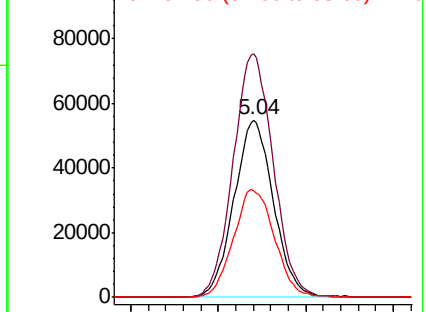


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 51.221 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Tgt Ion: 45 Resp: 564422

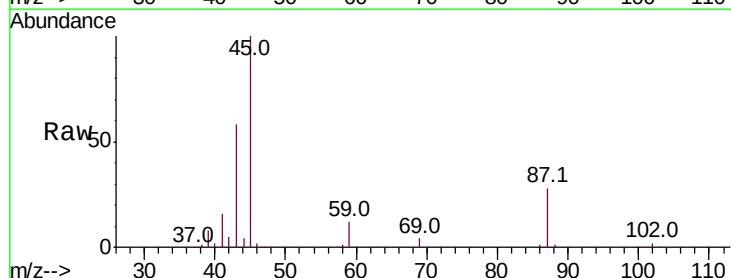
Ion Ratio Lower Upper

45 100

43 57.0 45.6 68.4

87 27.5 22.0 33.0

59 11.6 9.3 13.9



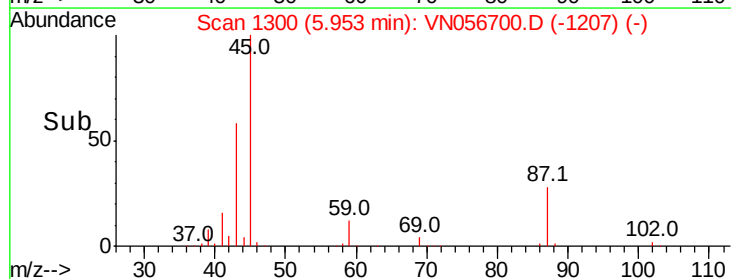
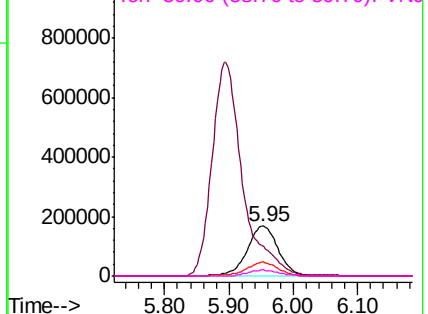
Abundance

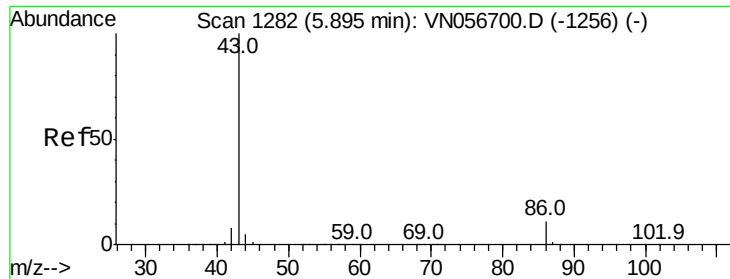
Ion 45.00 (44.70 to 45.70): VN0

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





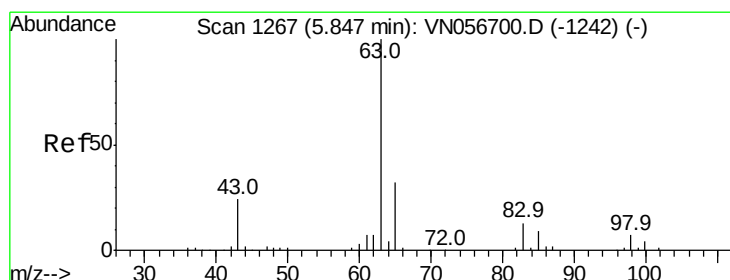
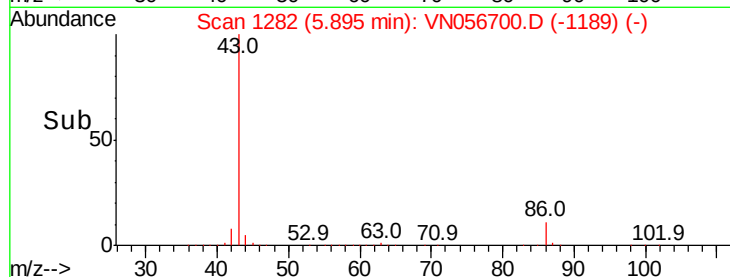
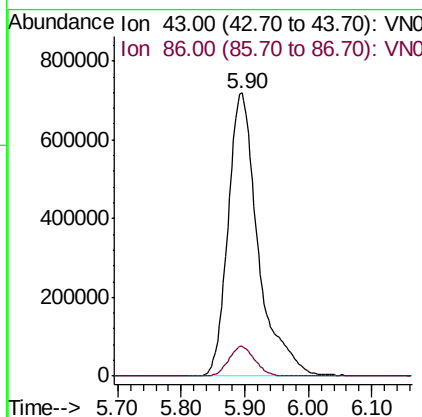
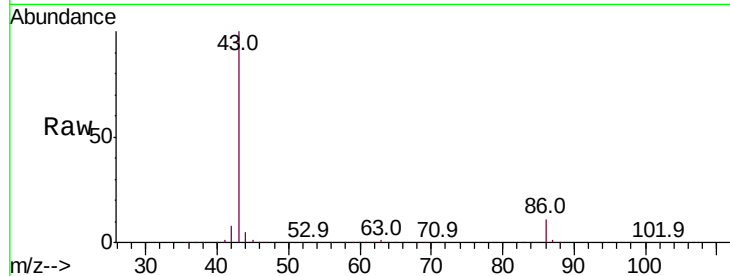
#23
 Vinyl Acetate
 Concen: 272.132 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 2366356
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.5 12.7

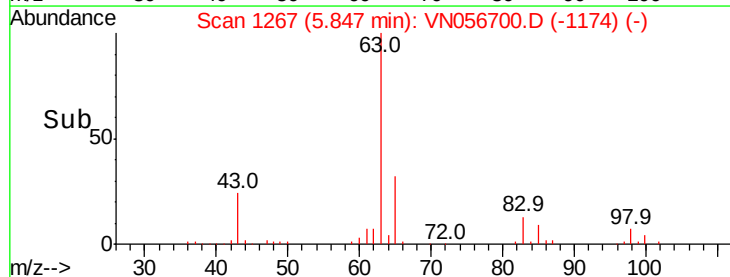
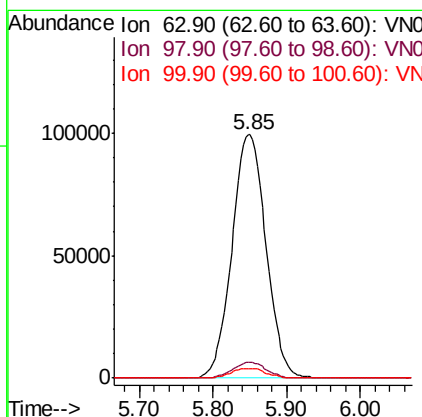
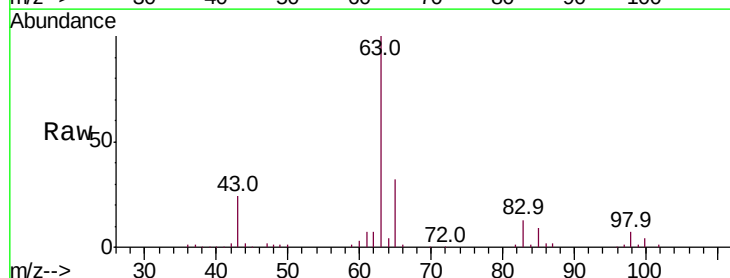
Manual Integrations
 APPROVED

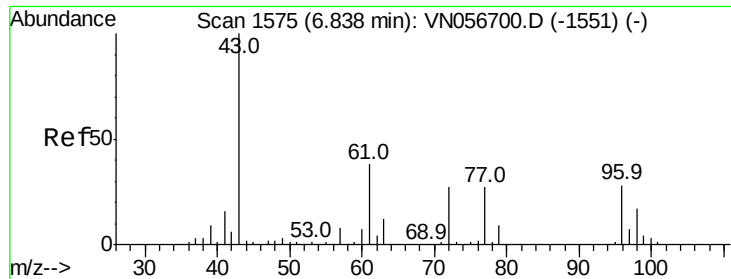
MMDadoda
 7/17/2019 1:31:19 AM



#24
 1,1-Dichloroethane
 Concen: 50.635 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Tgt Ion: 63 Resp: 319813
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.9
 100 3.9 2.0 5.8





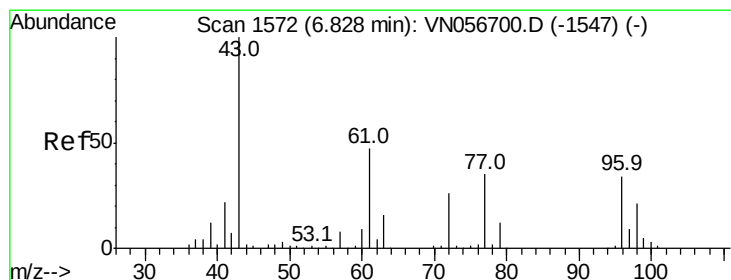
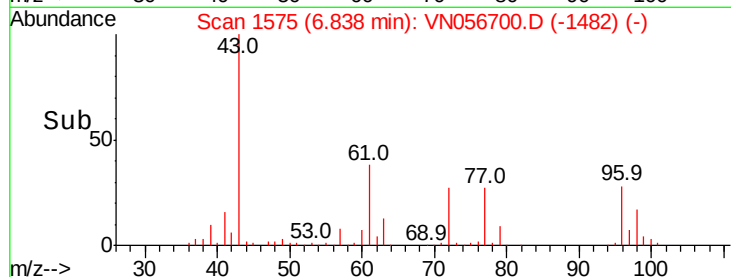
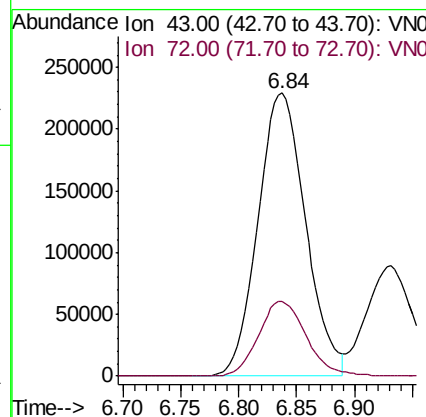
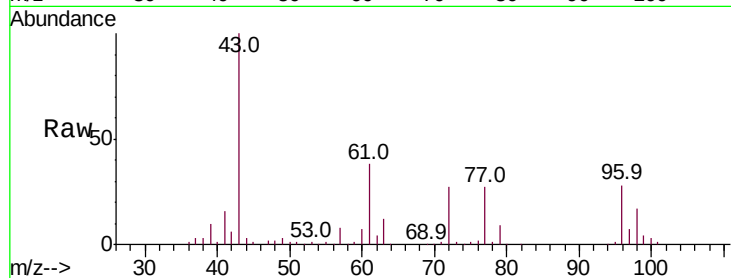
#25
2-Butanone
Concen: 251.308 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 653434
Ion Ratio Lower Upper
43 100
72 26.5 21.2 31.8

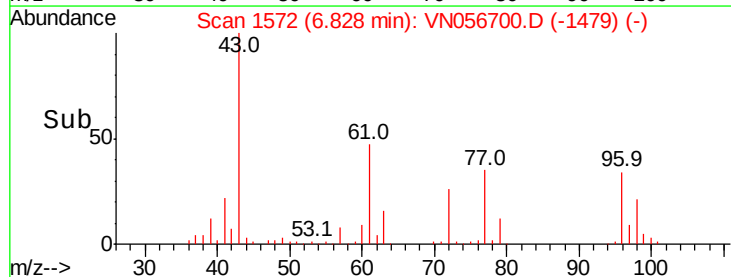
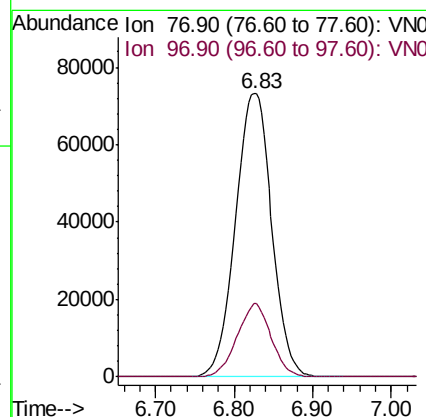
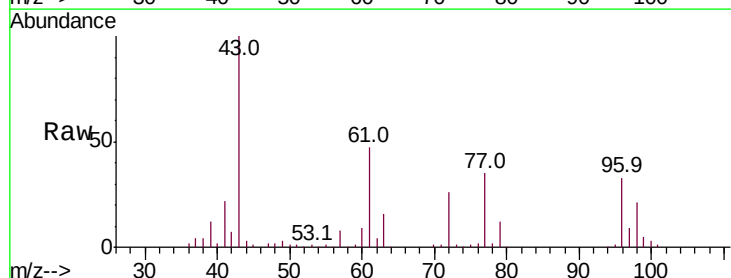
Manual Integrations
APPROVED

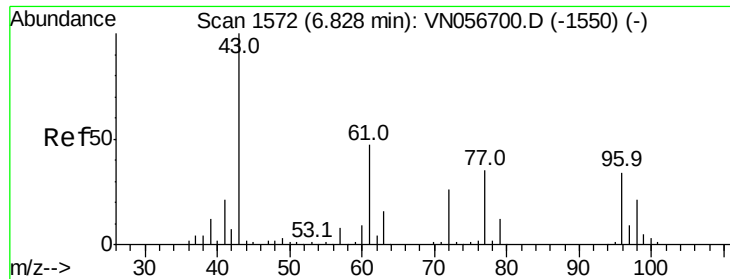
MMDadoda
7/17/2019 1:31:19 AM



#26
2,2-Dichloropropane
Concen: 53.147 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion: 77 Resp: 235515
Ion Ratio Lower Upper
77 100
97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.532 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

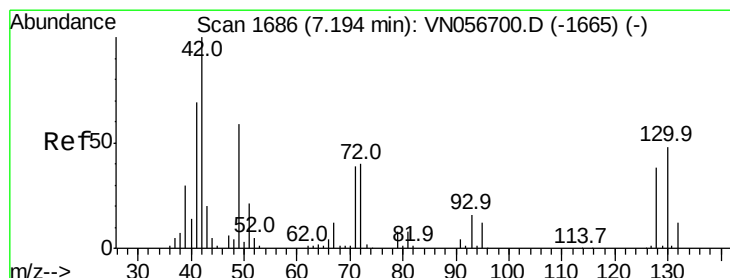
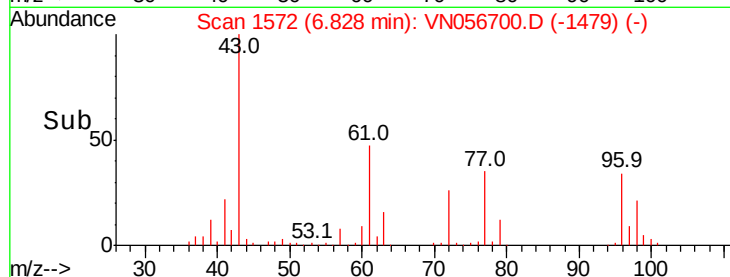
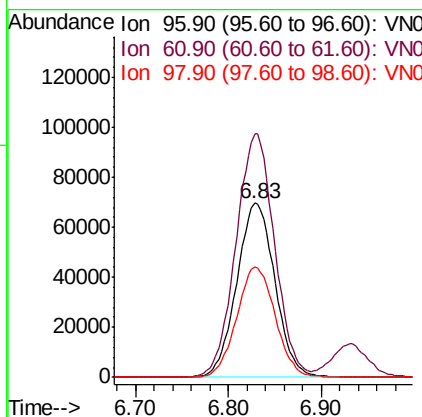
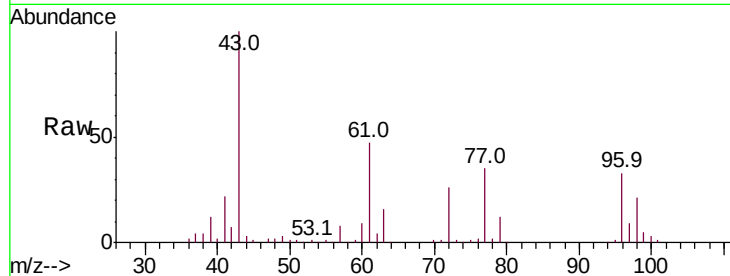
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	199994
Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	281.4
98	63.9	0.0	127.8

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:19 AM



#28

Bromochloromethane

Concen: 49.303 ug/l

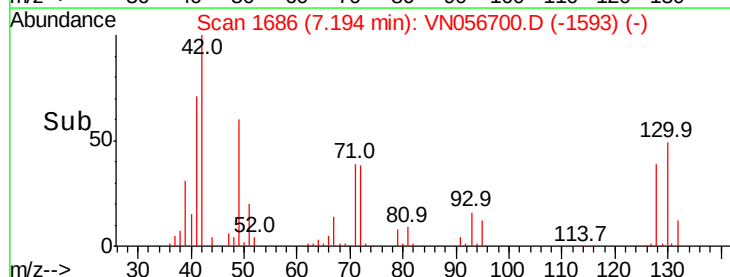
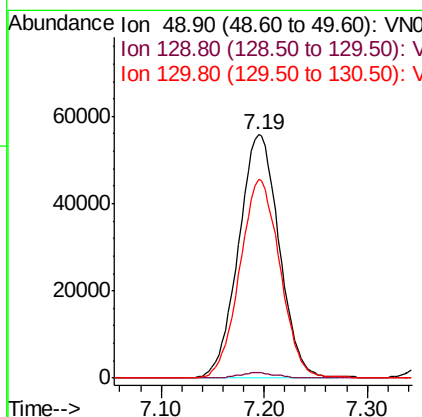
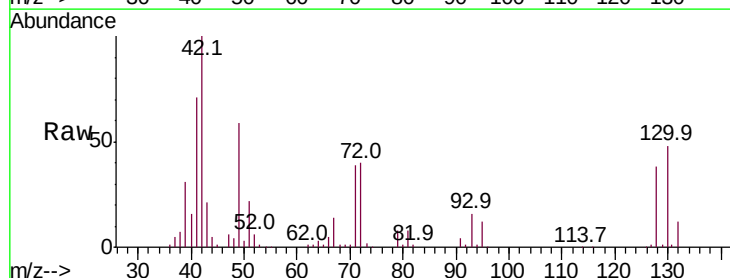
RT: 7.19 min Scan# 1686

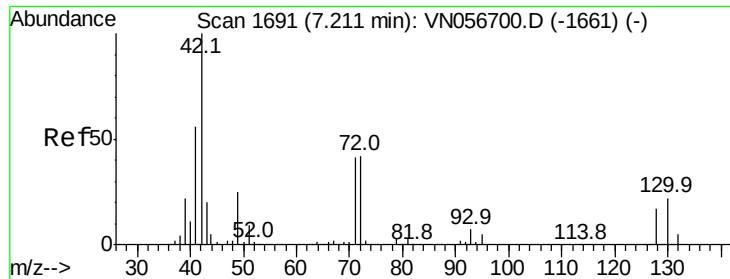
Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Tgt Ion:	49	Resp:	152802
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	80.9	64.7	97.1





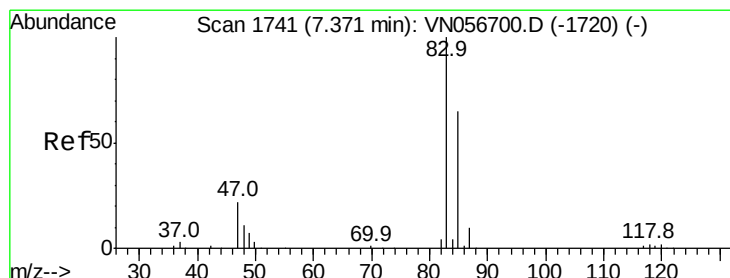
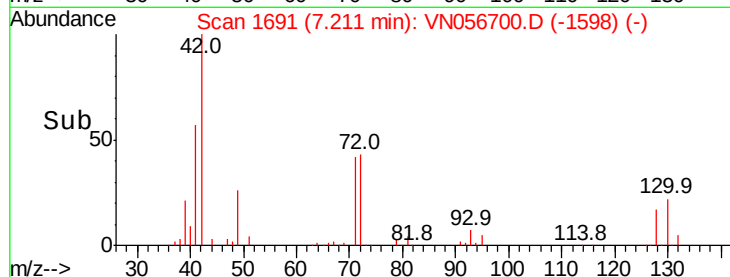
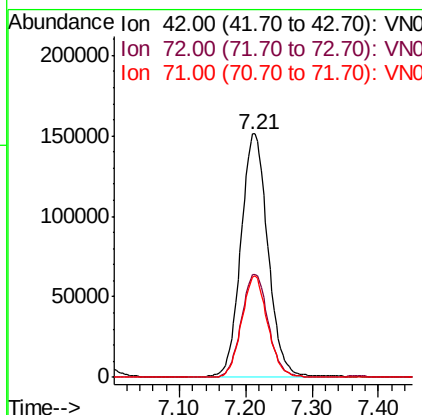
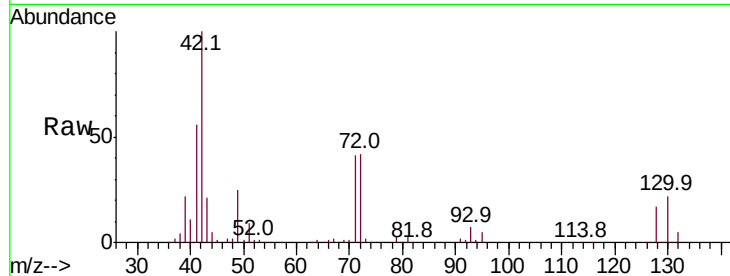
#29
Tetrahydrofuran
Concen: 266.584 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.5	50.3
71	39.8	31.8	47.8

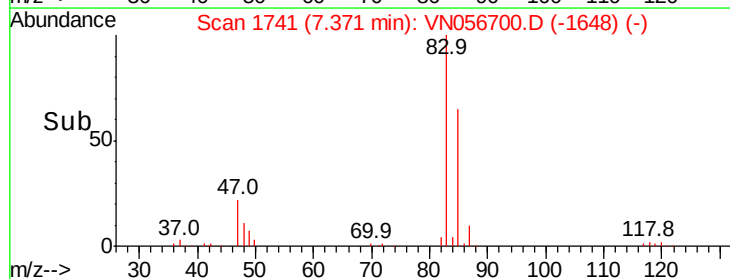
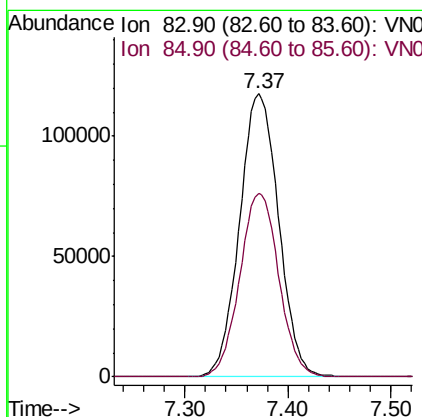
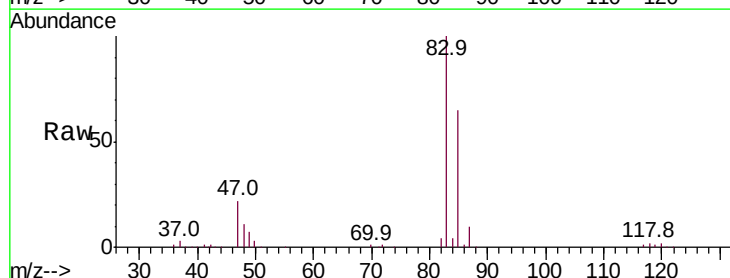
Manual Integrations
APPROVED

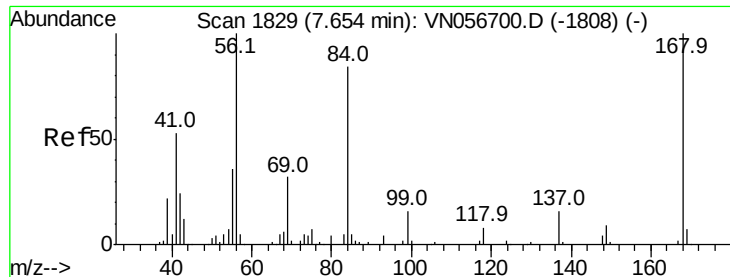
MMDadoda
7/17/2019 1:31:19 AM



#30
Chloroform
Concen: 49.855 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.9	77.9





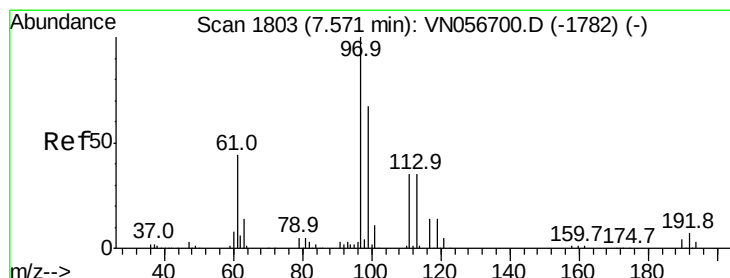
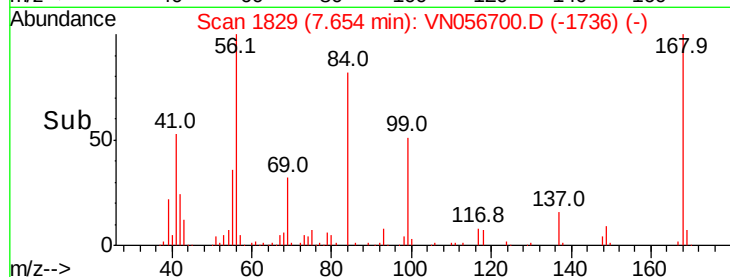
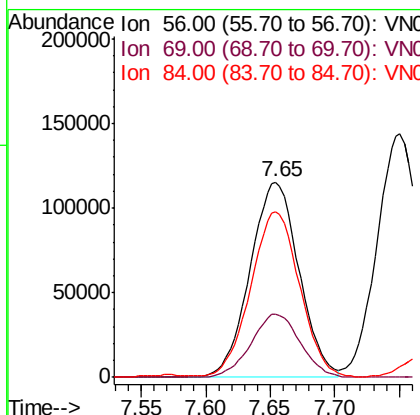
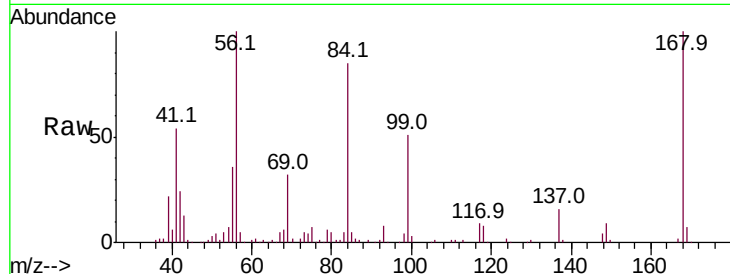
#31
Cyclohexane
Concen: 49.632 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.8	38.8
84	84.2	67.4	101.0

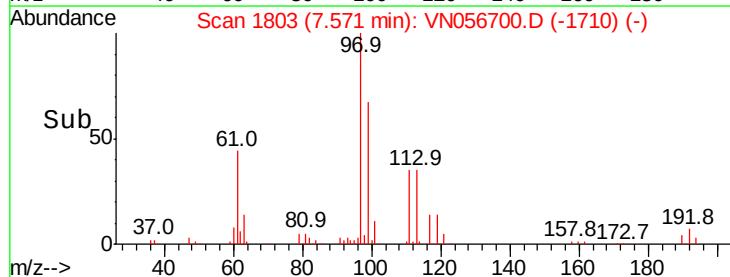
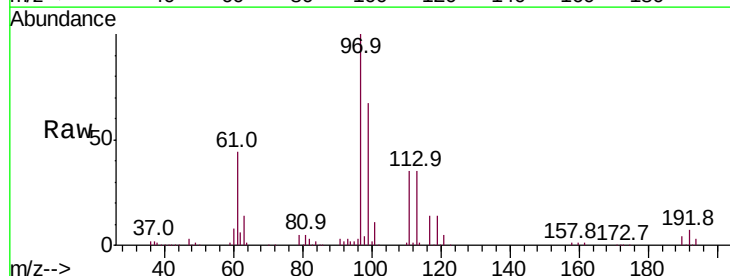
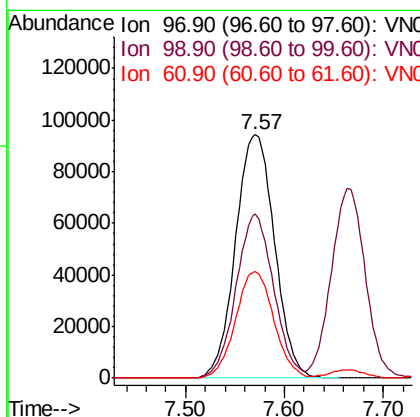
Manual Integrations
APPROVED

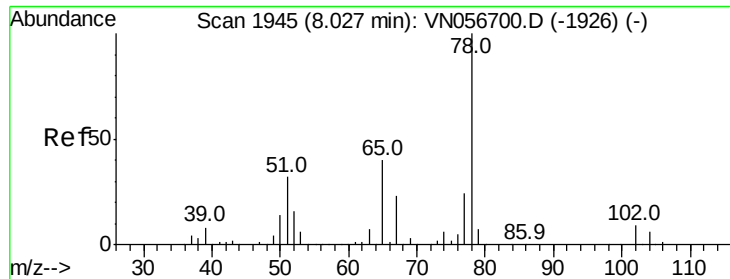
MMDadoda
7/17/2019 1:31:19 AM



#32
1,1,1-Trichloroethane
Concen: 52.298 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	42.9	34.3	51.5





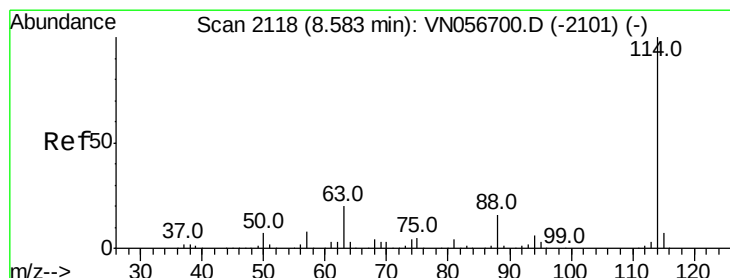
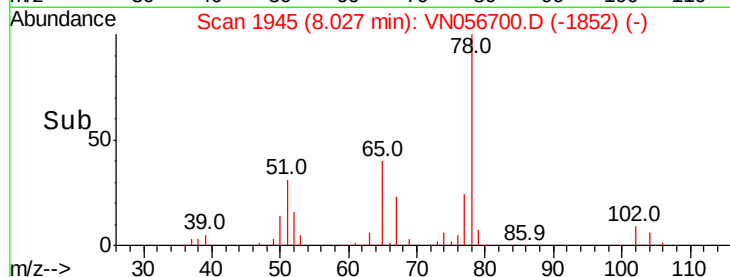
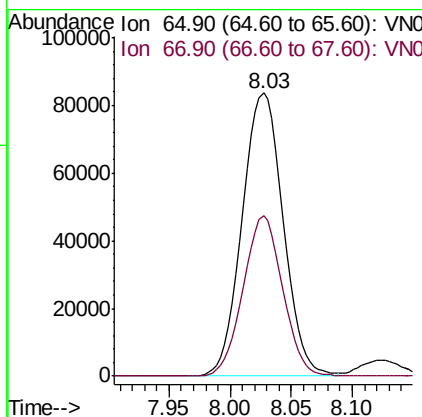
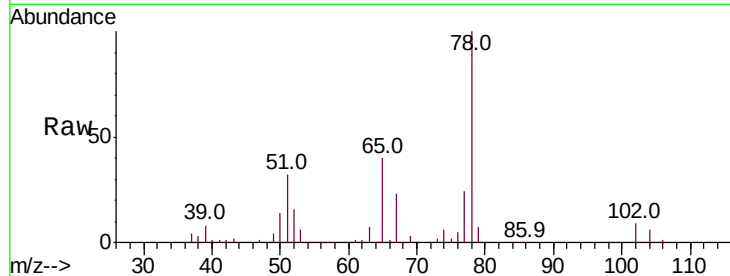
#33
 1,2-Dichloroethane-d4
 Concen: 49.772 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	194756		
67	54.5	0.0	109.0	

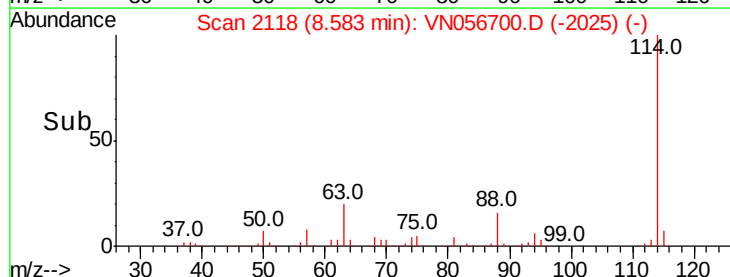
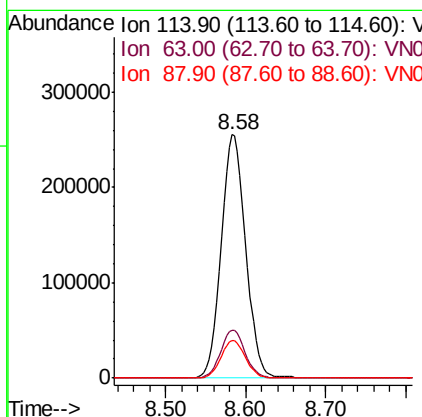
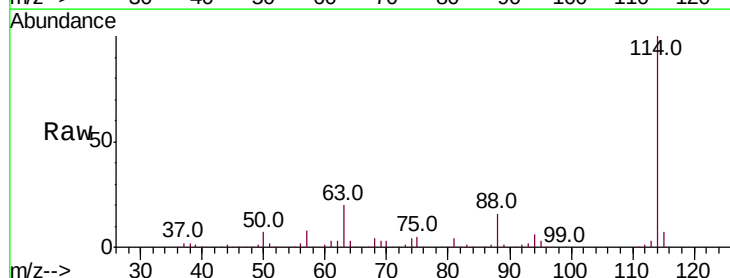
Manual Integrations
 APPROVED

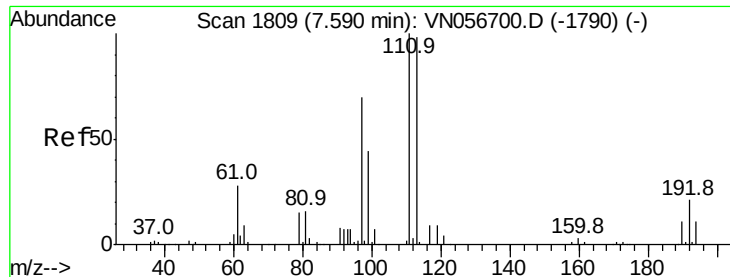
MMDadoda
 7/17/2019 1:31:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	538032		
63	19.7	0.0	39.4	
88	15.6	0.0	31.2	





#35

Dibromofluoromethane

Concen: 50.021 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

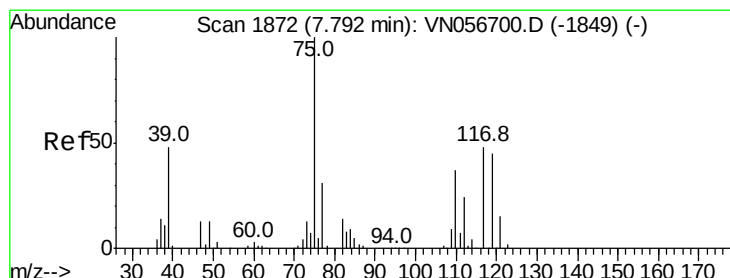
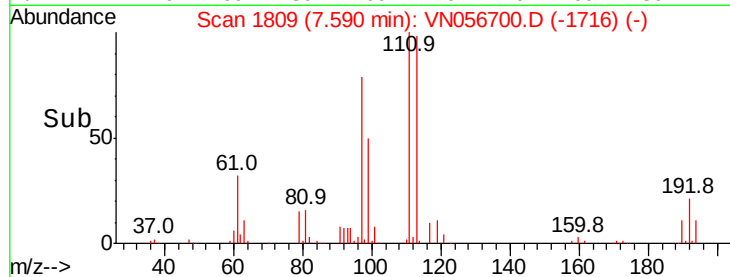
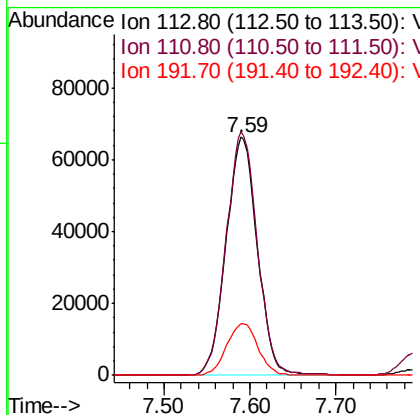
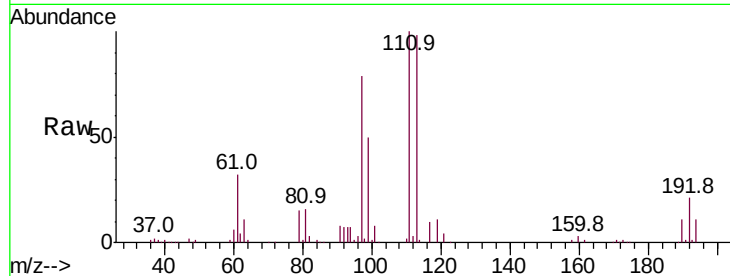
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	167130
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.8	122.6
192	21.9	17.5	26.3

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:19 AM



#36

1,1-Dichloropropene

Concen: 50.126 ug/l

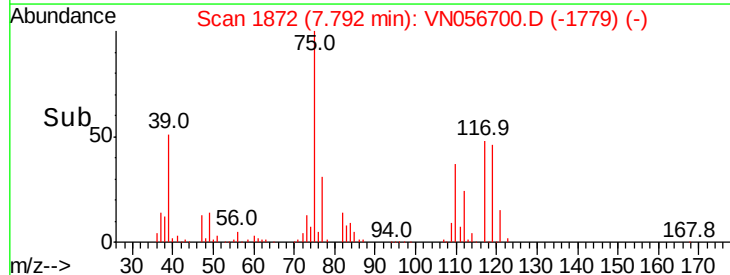
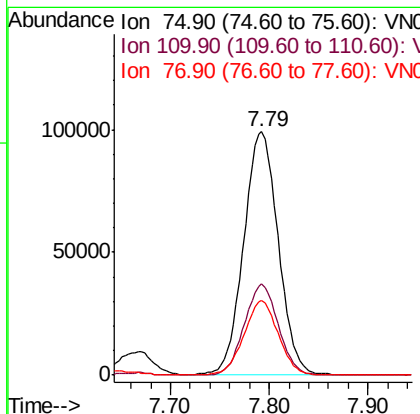
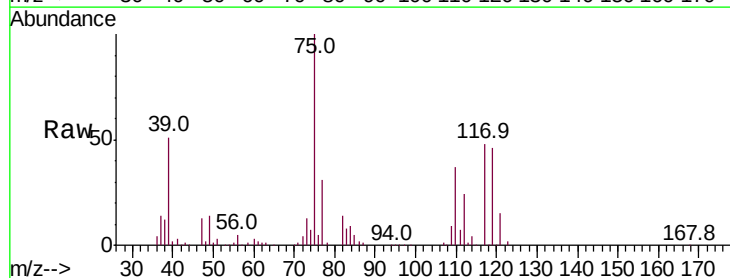
RT: 7.79 min Scan# 1872

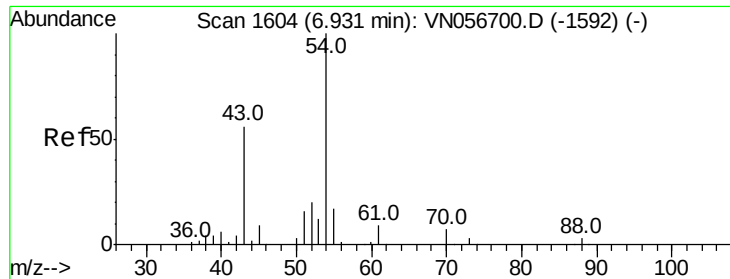
Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Tgt Ion:	75	Resp:	238860
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.4	55.4
77	30.7	24.6	36.8





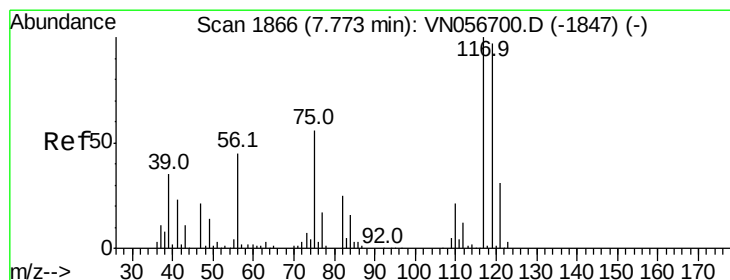
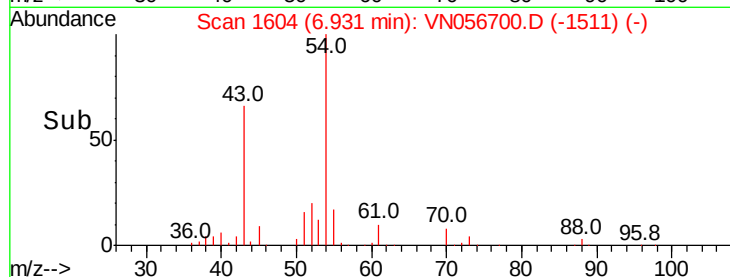
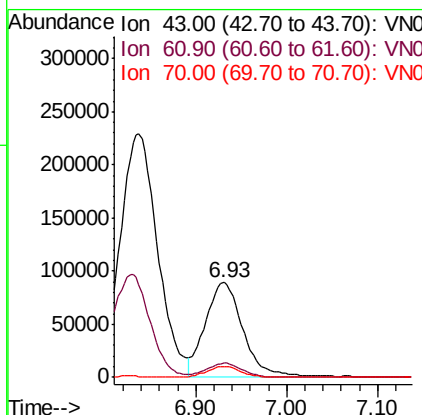
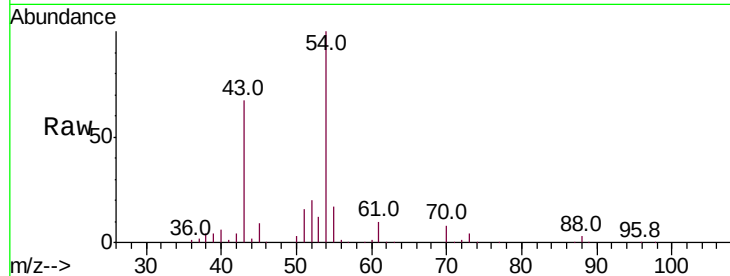
#37
Ethyl Acetate
Concen: 53.972 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.3	16.9
70	10.6	8.5	12.7

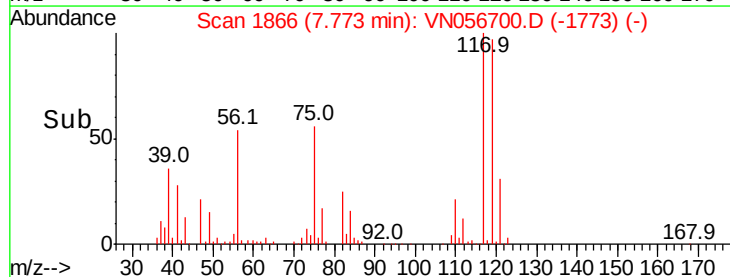
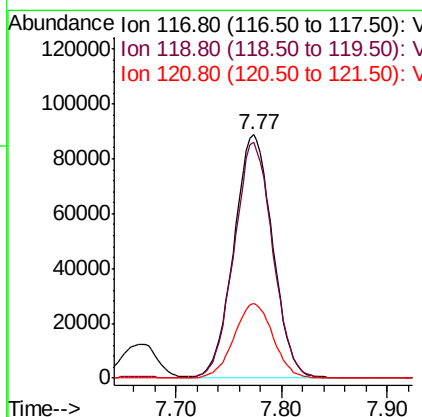
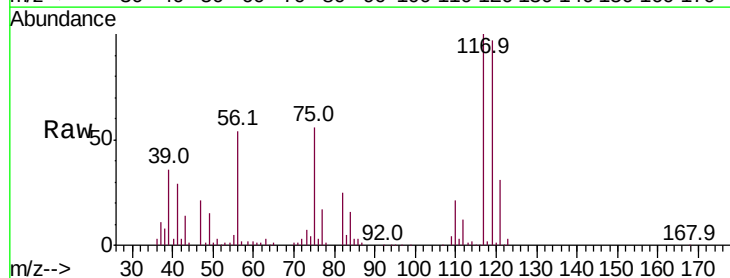
Manual Integrations
APPROVED

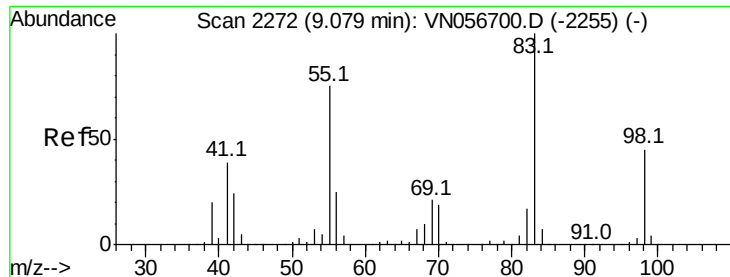
MMDadoda
7/17/2019 1:31:19 AM



#38
Carbon Tetrachloride
Concen: 53.770 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
121	30.9	24.7	37.1





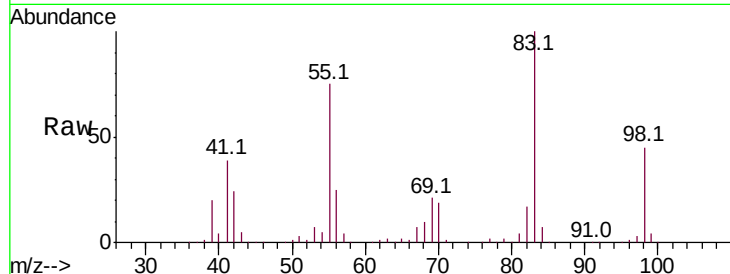
#39
Methylvlcyclohexane
Concen: 50.924 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

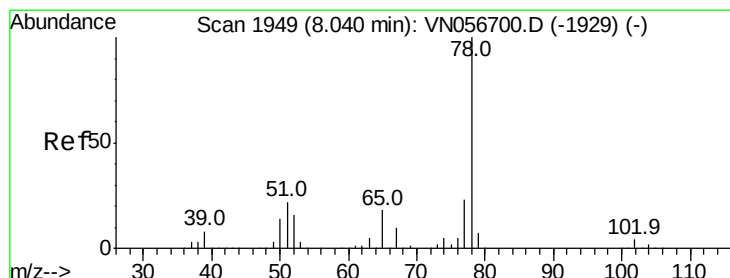
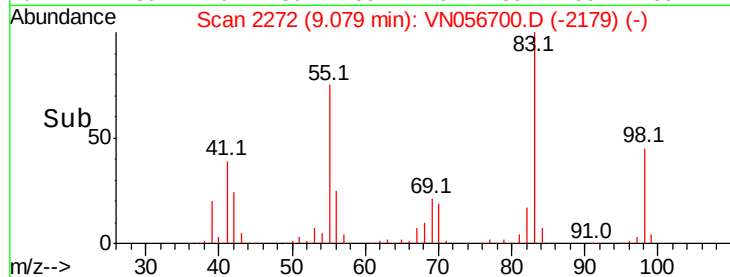
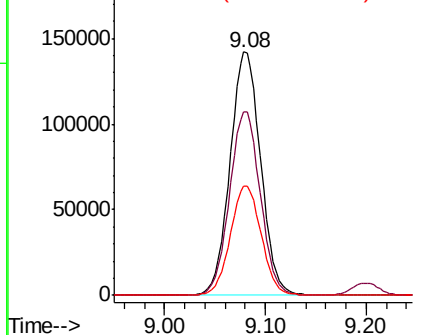
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.5	60.4	90.6	
98	44.8	35.8	53.8	

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:19 AM

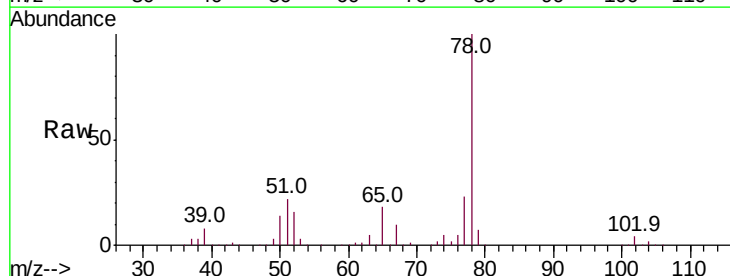


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

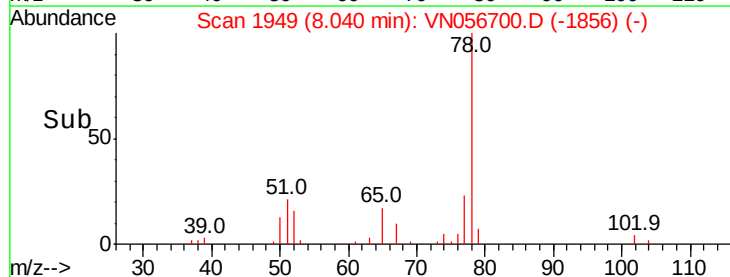
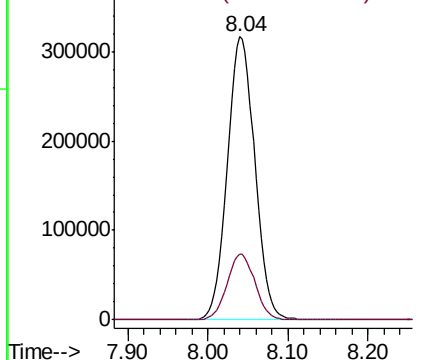


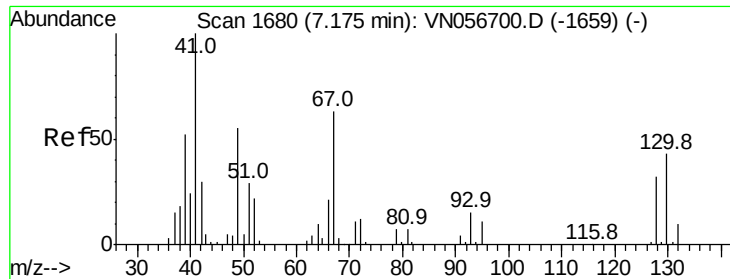
#40
Benzene
Concen: 50.452 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	18.6	27.8	



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





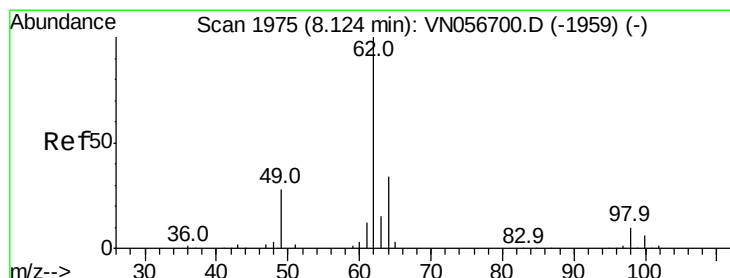
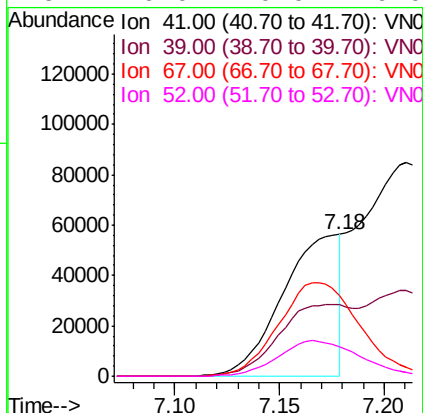
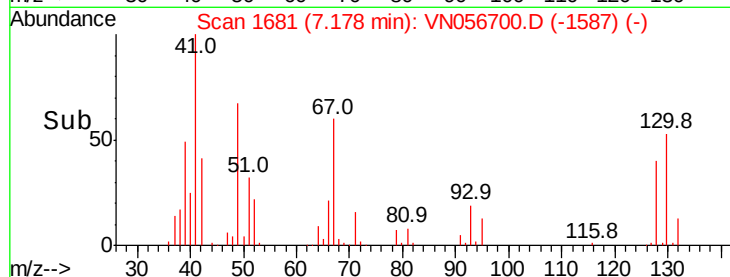
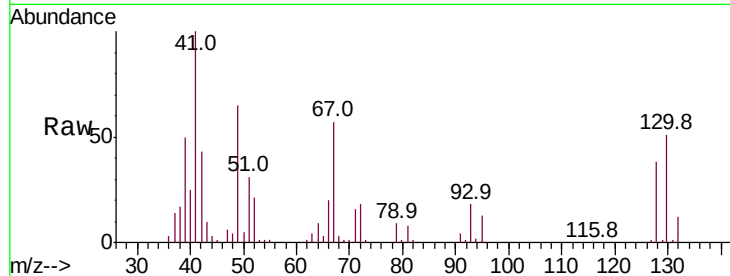
#41
Methacrylonitrile
Concen: 52.351 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	107316
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

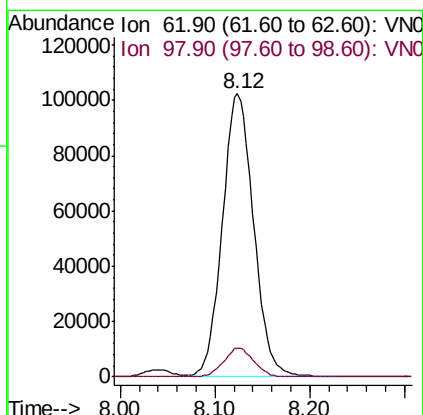
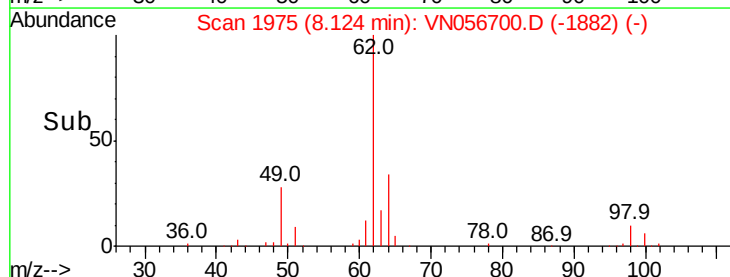
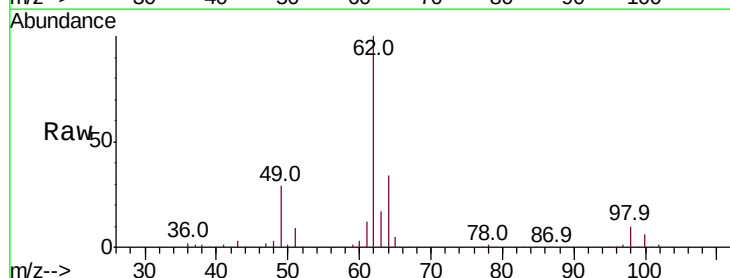
Manual Integrations
APPROVED

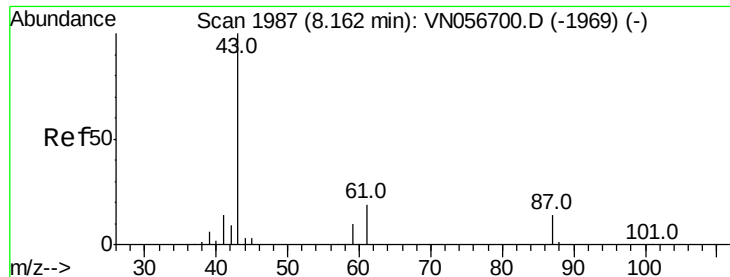
MMDadoda
7/17/2019 1:31:19 AM



#42
1,2-Dichloroethane
Concen: 48.552 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion	62	Resp	233939
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8





#43

Isopropyl Acetate

Concen: 53.785 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

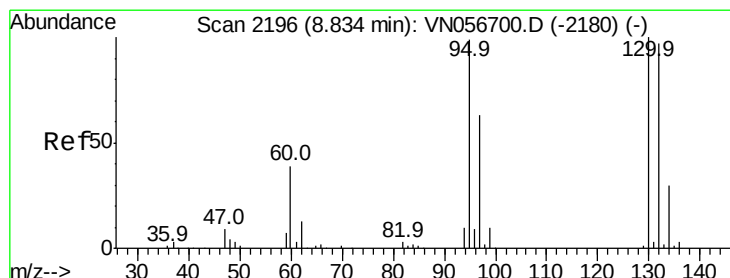
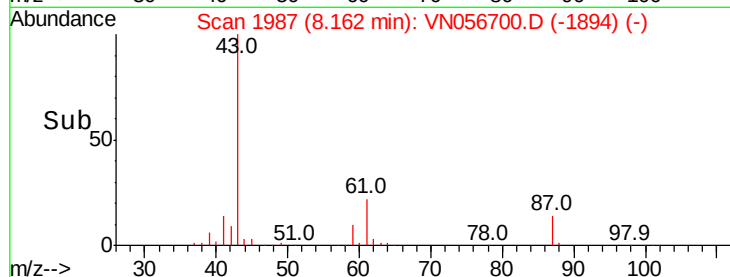
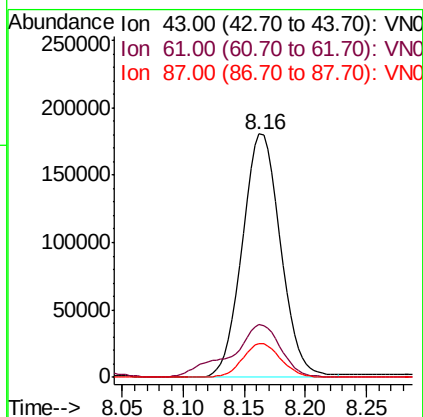
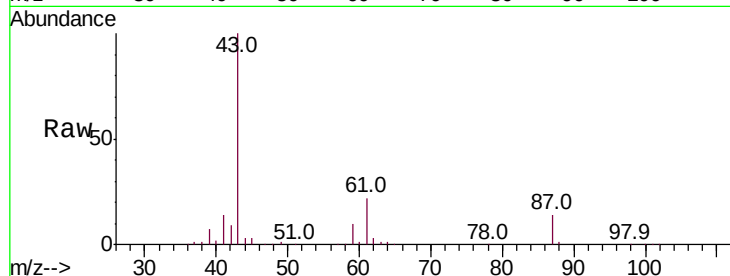
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	390354
Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.3	33.5
87	13.9	11.1	16.7

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:19 AM



#44

Trichloroethene

Concen: 49.976 ug/l

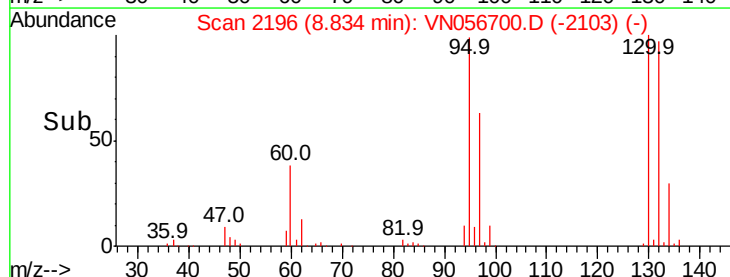
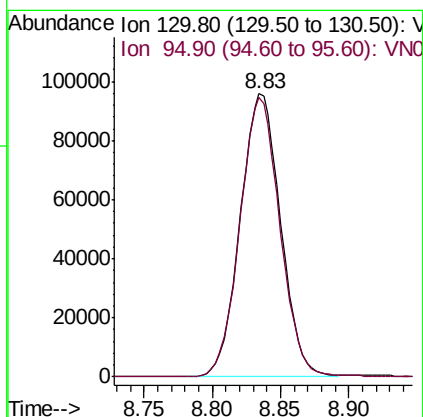
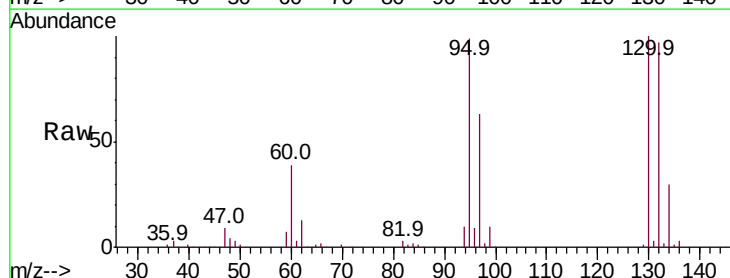
RT: 8.83 min Scan# 2196

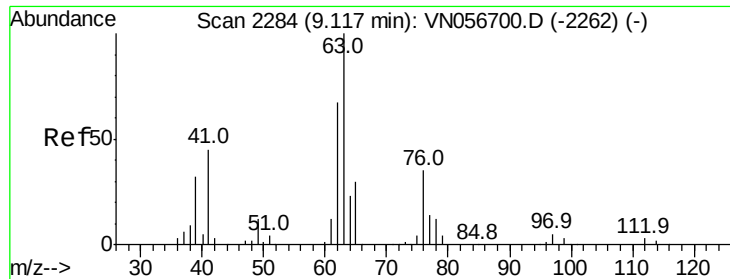
Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Tgt Ion:	130	Resp:	196663
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	197.2





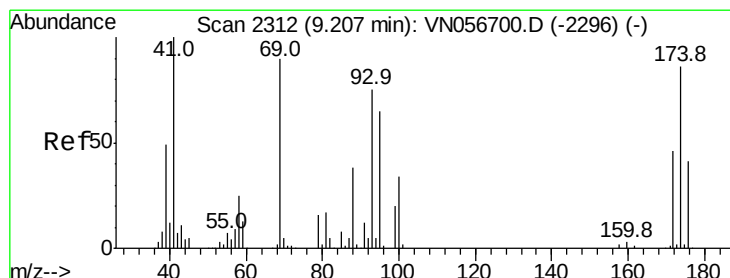
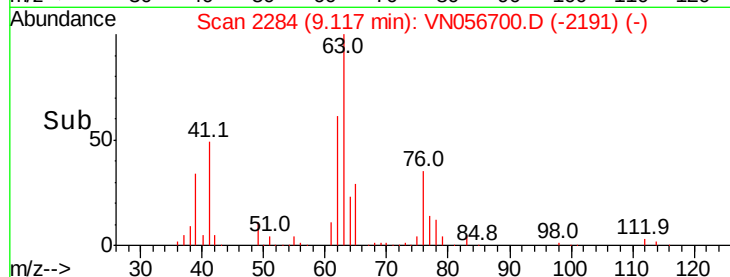
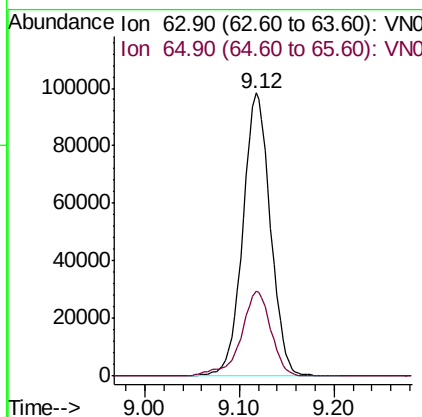
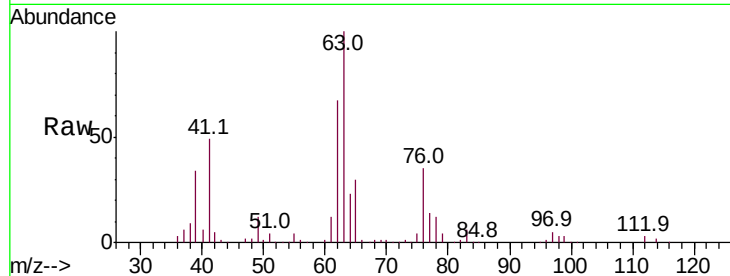
#45
 1,2-Dichloropropane
 Concen: 50.766 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.0	36.0

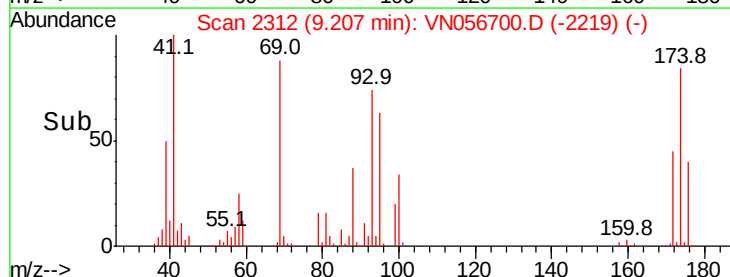
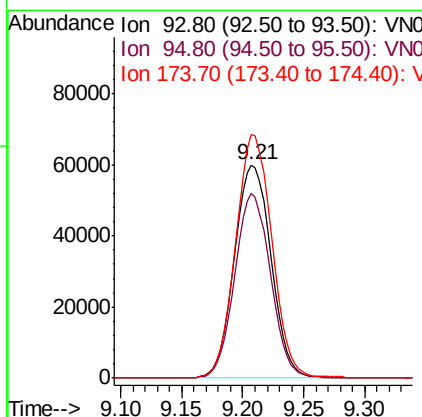
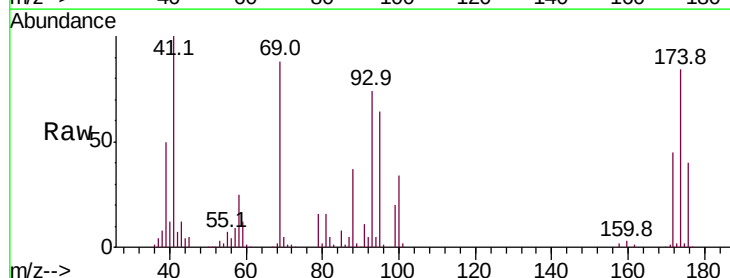
Manual Integrations
 APPROVED

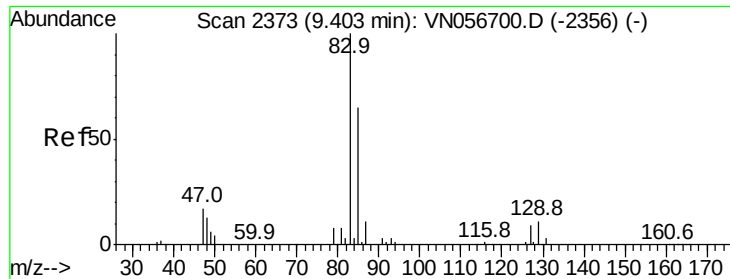
MMDadoda
 7/17/2019 1:31:19 AM



#46
 Dibromomethane
 Concen: 51.156 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	67.4	101.0
174	112.9	90.3	135.5





#47

Bromodichloromethane

Concen: 54.342 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

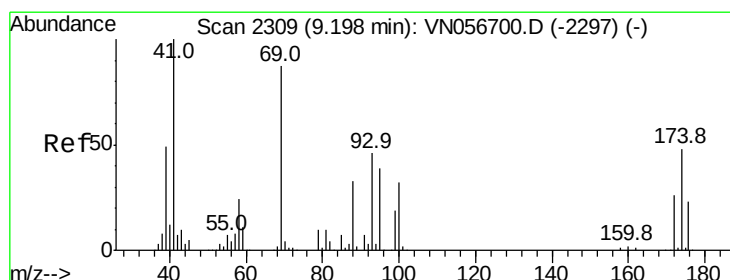
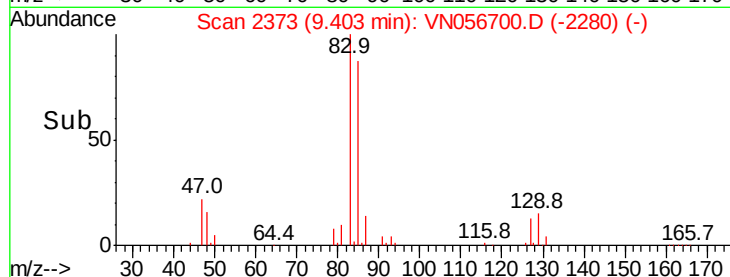
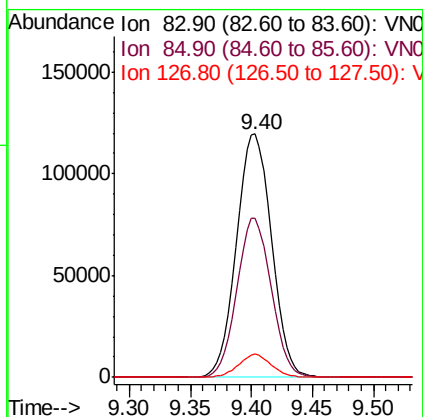
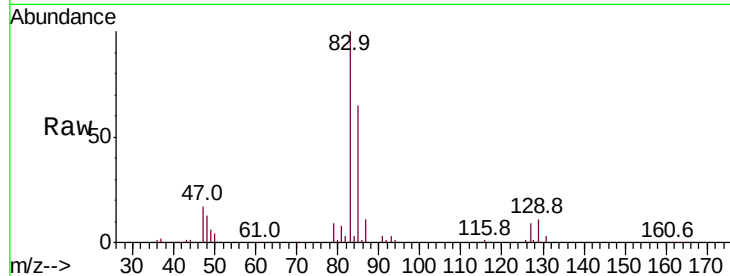
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	238186
Ion Ratio	Lower	Upper	
83	100		
85	65.4	52.3	78.5
127	9.5	7.6	11.4

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:19 AM



#48

Methyl methacrylate

Concen: 52.568 ug/l

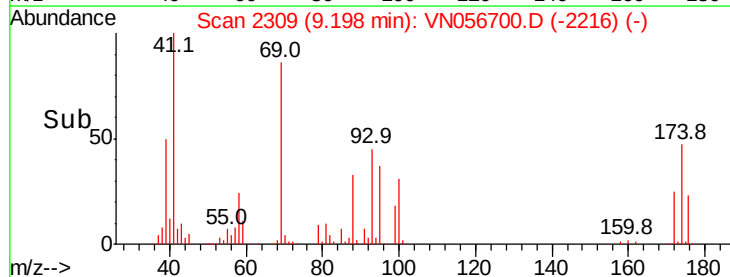
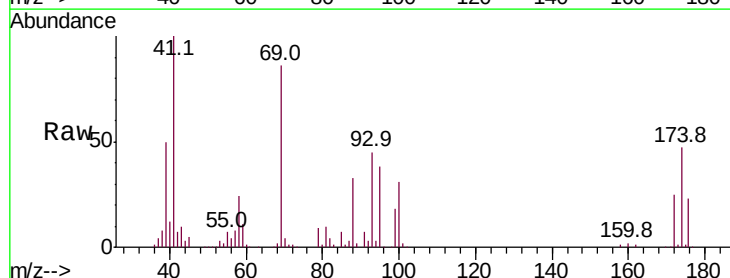
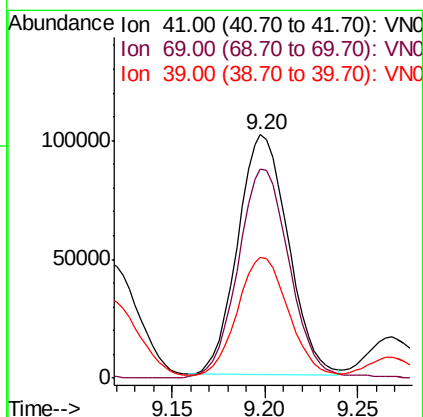
RT: 9.20 min Scan# 2309

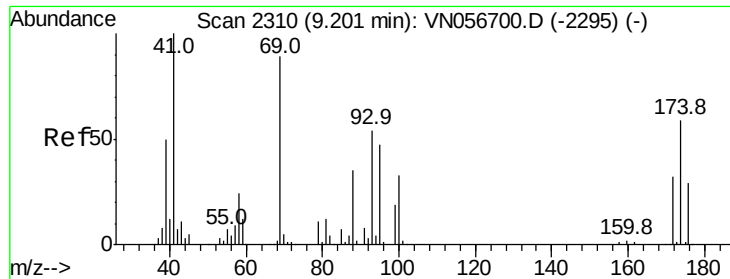
Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Tgt Ion:	41	Resp:	191526
Ion Ratio	Lower	Upper	
41	100		
69	89.2	71.4	107.0
39	51.5	41.2	61.8





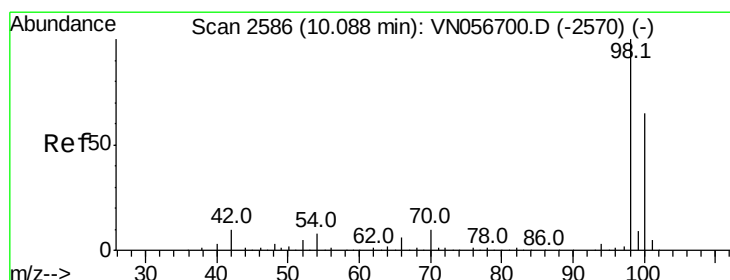
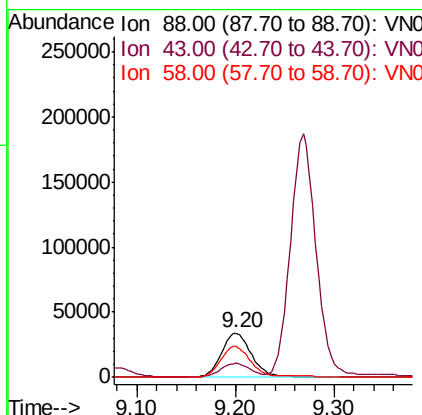
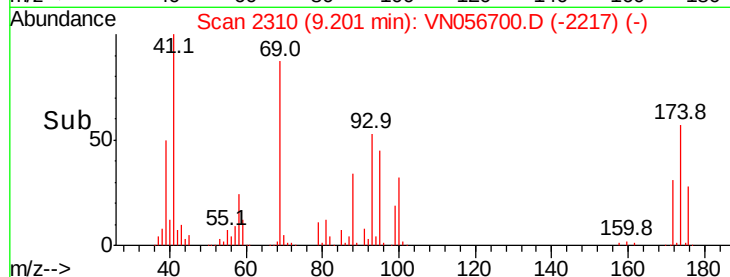
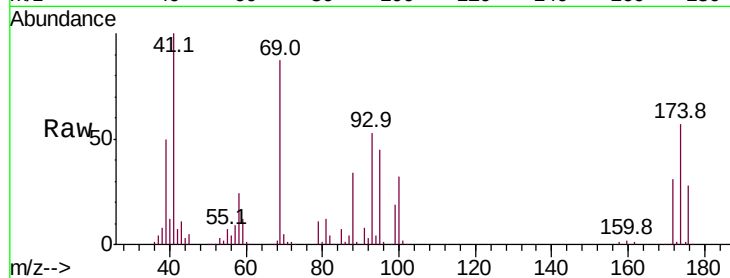
#49
 1,4-Dioxane
 Concen: 980.590 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	23.7	35.5
58	69.5	55.6	83.4

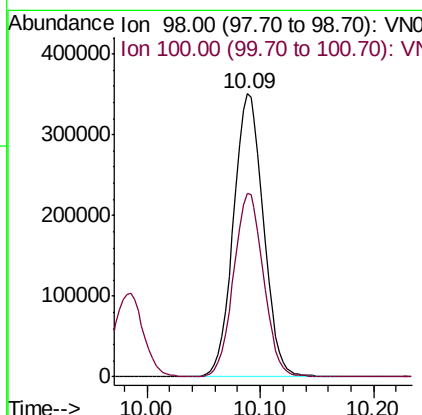
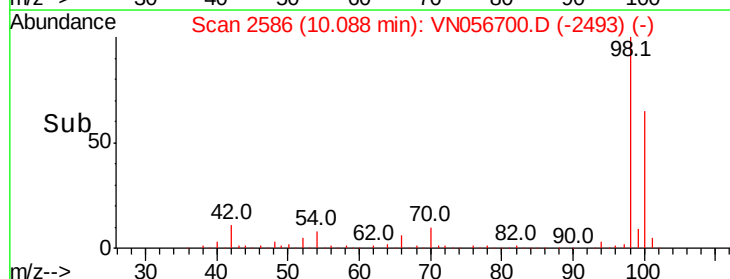
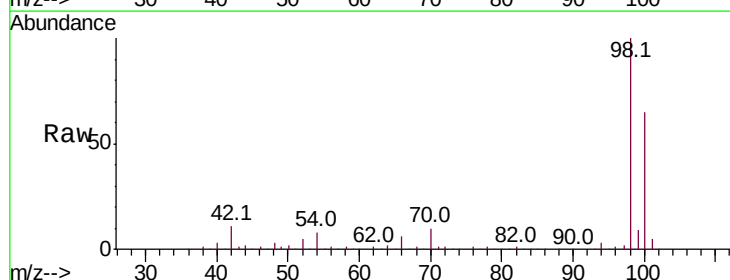
Manual Integrations
 APPROVED

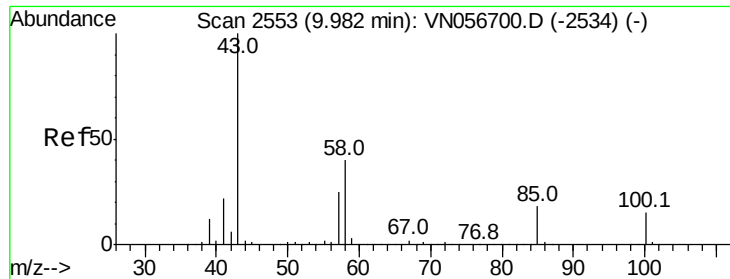
MMDadoda
 7/17/2019 1:31:19 AM



#50
 Toluene-d8
 Concen: 49.798 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0





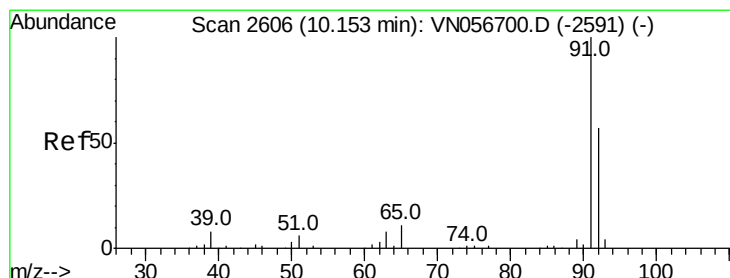
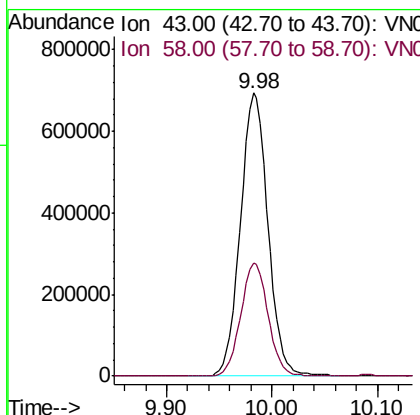
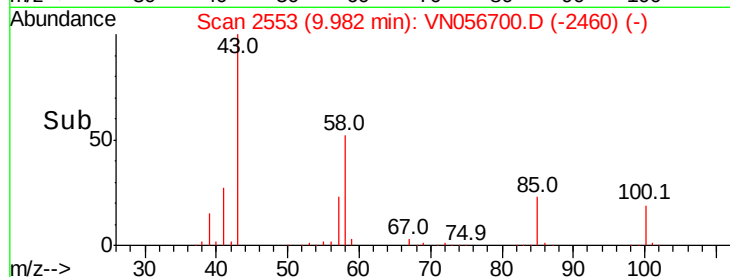
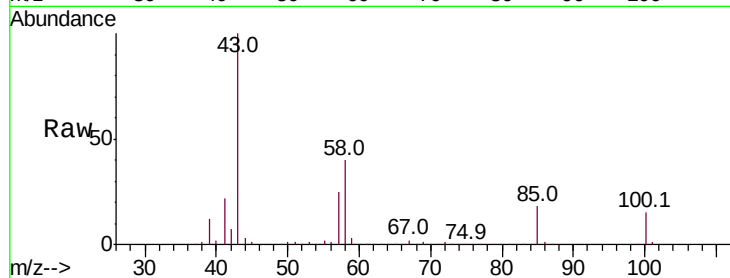
#51
4-Methyl-2-Pentanone
Concen: 267.824 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1255151
Ion Ratio Lower Upper
43 100
58 40.0 32.0 48.0

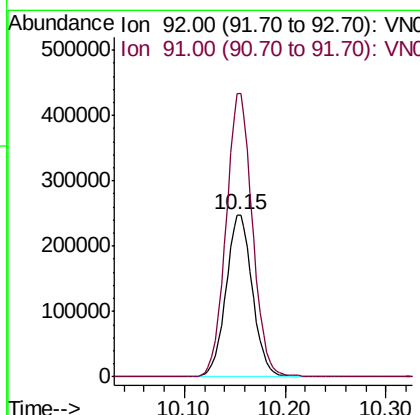
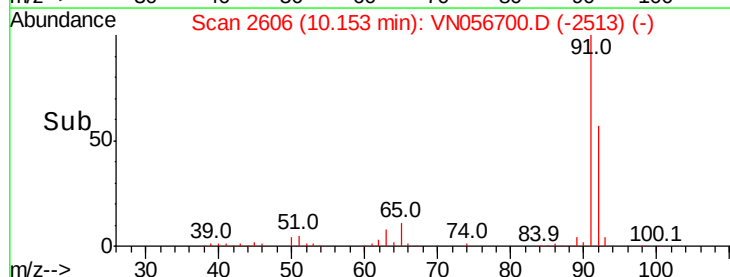
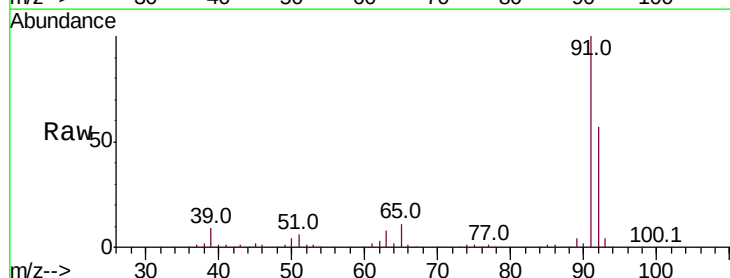
Manual Integrations
APPROVED

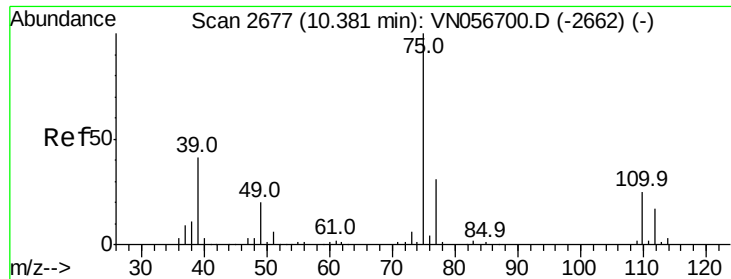
MMDadoda
7/17/2019 1:31:19 AM



#52
Toluene
Concen: 50.529 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion: 92 Resp: 452647
Ion Ratio Lower Upper
92 100
91 174.9 139.9 209.9





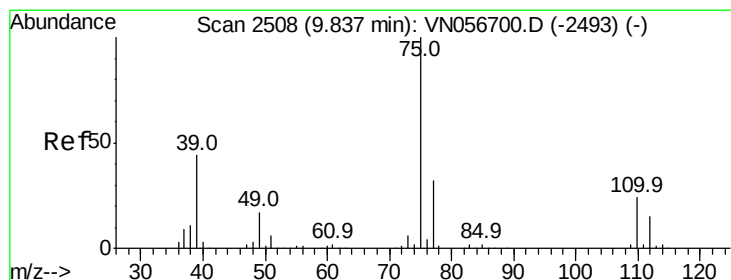
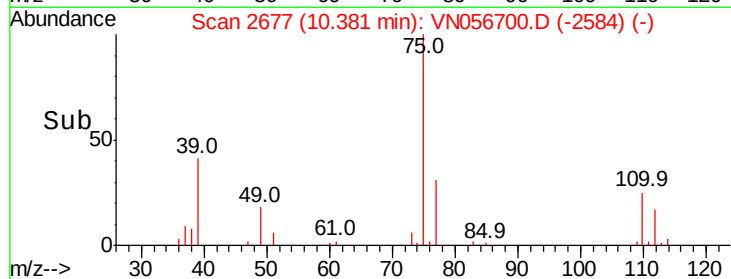
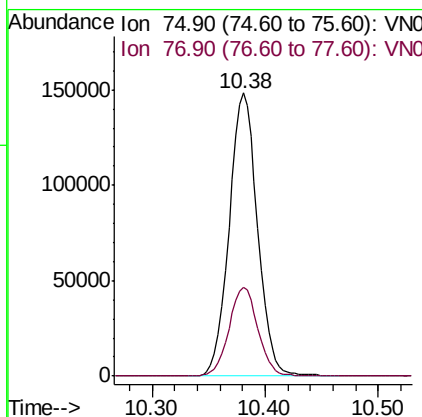
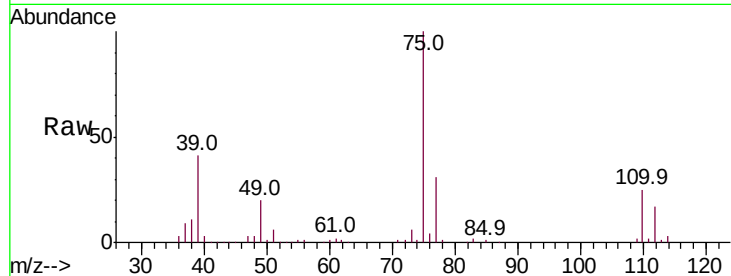
#53
t-1,3-Dichloropropene
Concen: 58.240 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 258320
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6

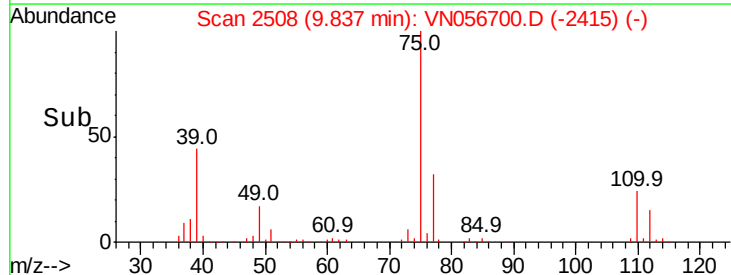
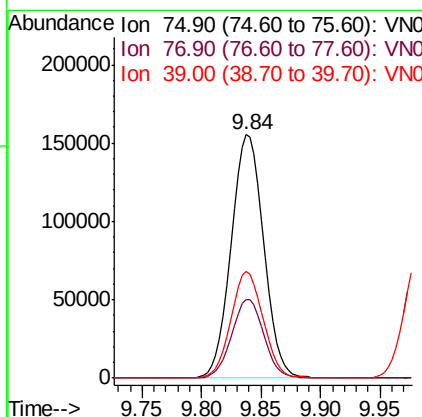
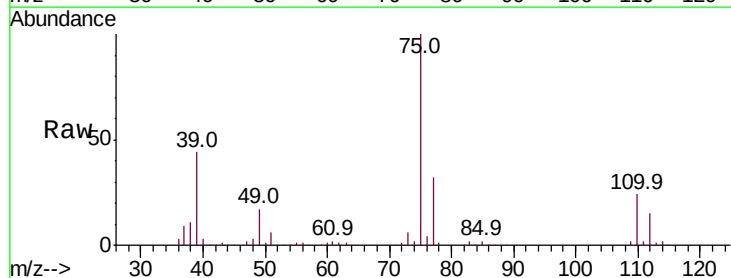
Manual Integrations
APPROVED

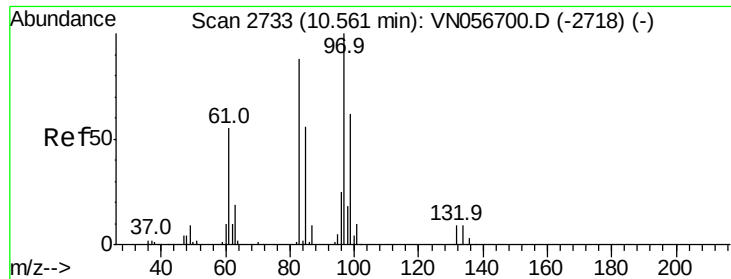
MMDadoda
7/17/2019 1:31:19 AM



#54
cis-1,3-Dichloropropene
Concen: 55.967 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion: 75 Resp: 294632
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0
39 43.9 35.1 52.7





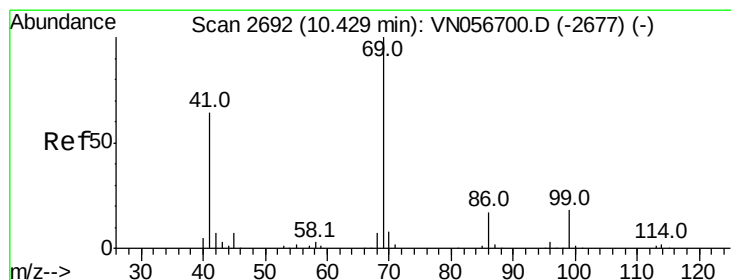
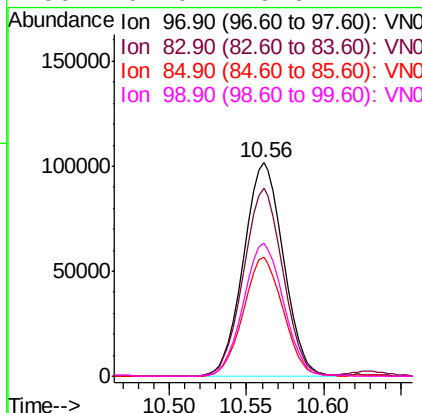
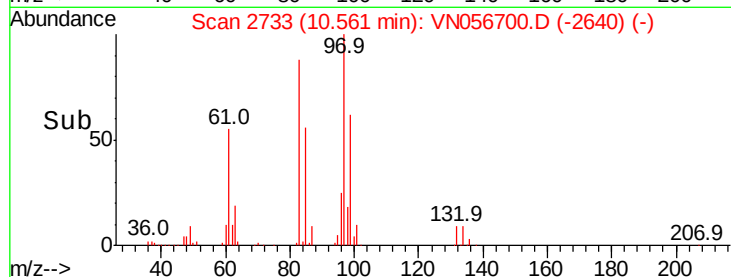
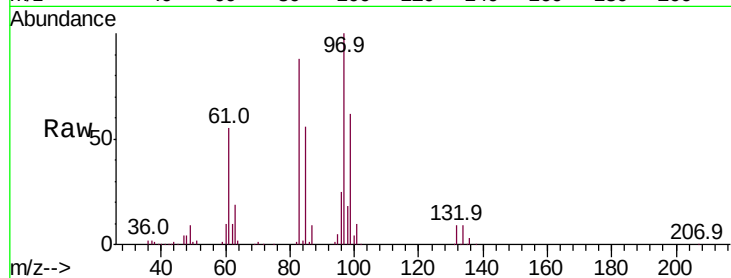
#55
 1,1,2-Trichloroethane
 Concen: 50.888 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	97	Resp	182979
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.3	105.5
85	56.0	44.8	67.2
99	62.0	49.6	74.4

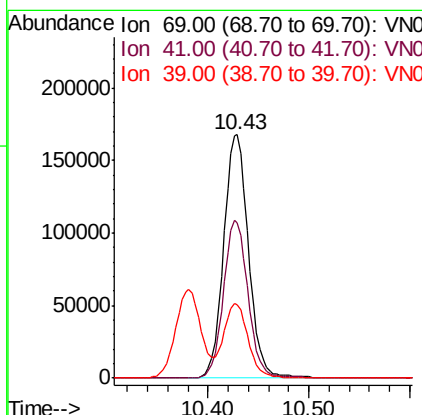
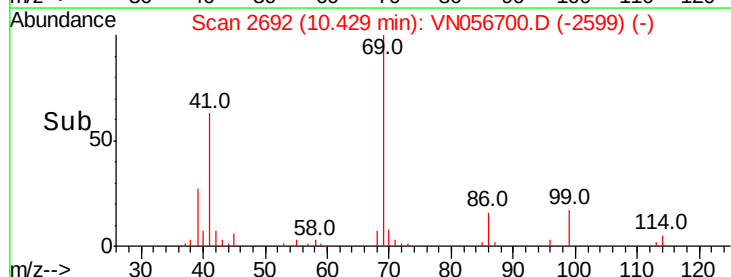
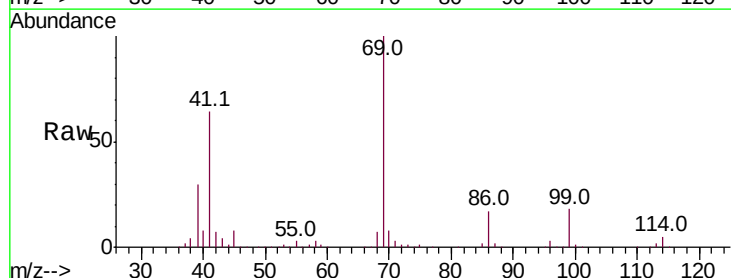
Manual Integrations
 APPROVED

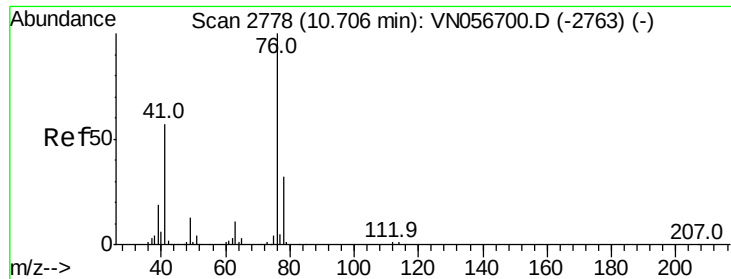
MMDadoda
 7/17/2019 1:31:19 AM



#56
 Ethyl methacrylate
 Concen: 54.535 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Tgt Ion	69	Resp	288674
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.0	76.4
39	30.7	24.6	36.8





#57

1,3-Dichloropropane

Concen: 50.670 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 305784

Ion Ratio Lower Upper

76 100

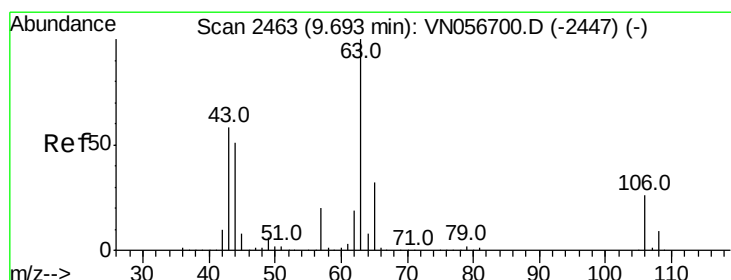
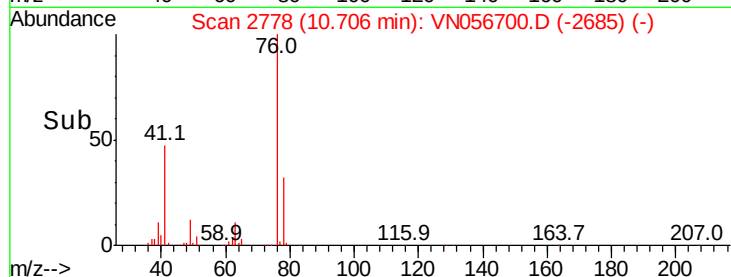
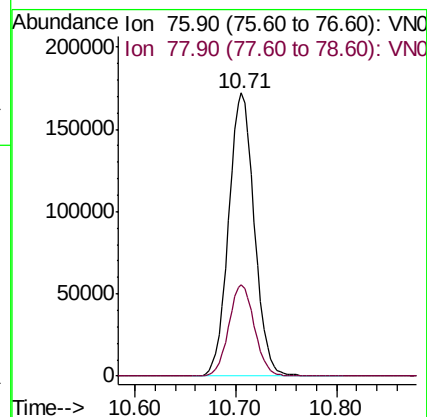
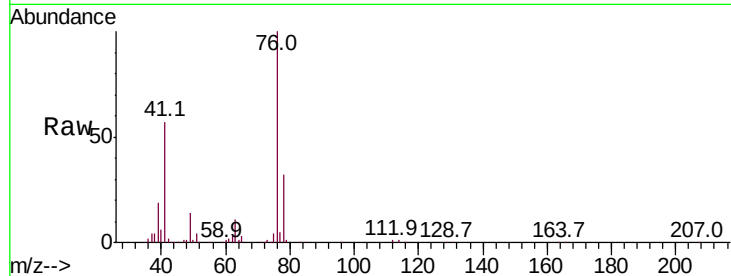
78 32.5 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

7/17/2019 1:31:19 AM



#58

2-Chloroethyl Vinyl ether

Concen: 346.122 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056700.D

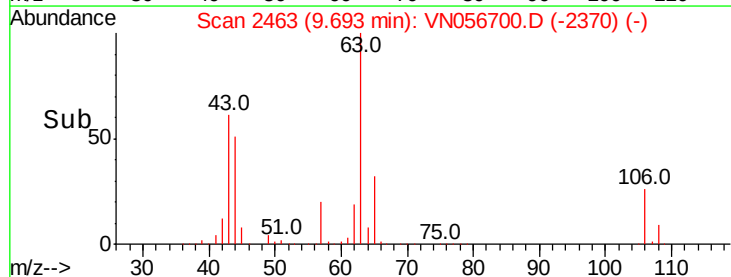
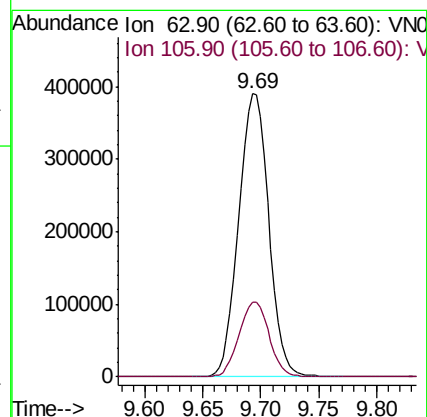
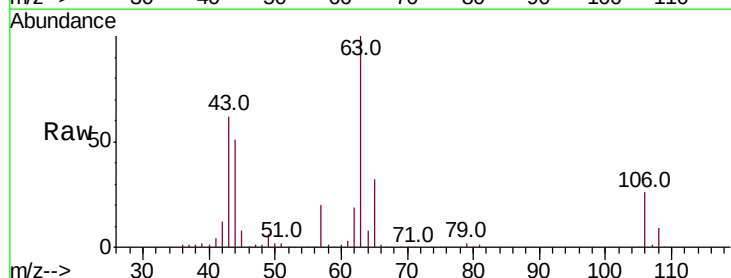
Acq: 15 Jul 2019 9:56

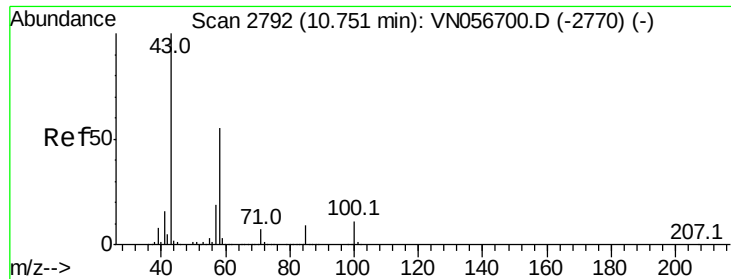
Tgt Ion: 63 Resp: 701685

Ion Ratio Lower Upper

63 100

106 26.5 21.2 31.8





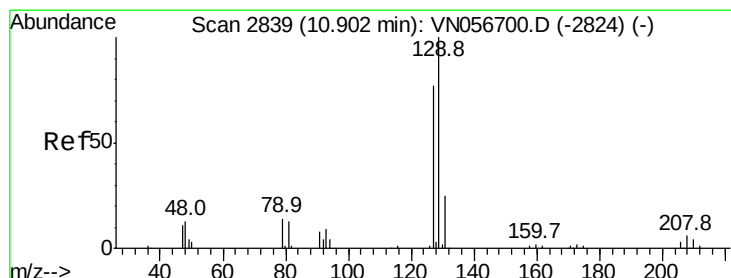
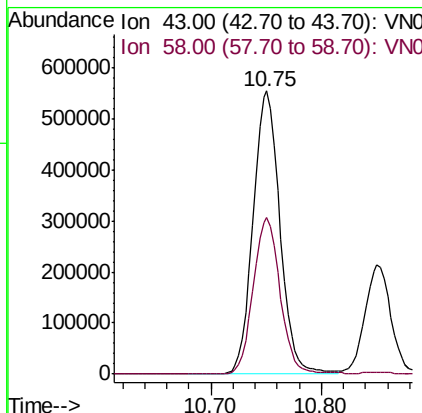
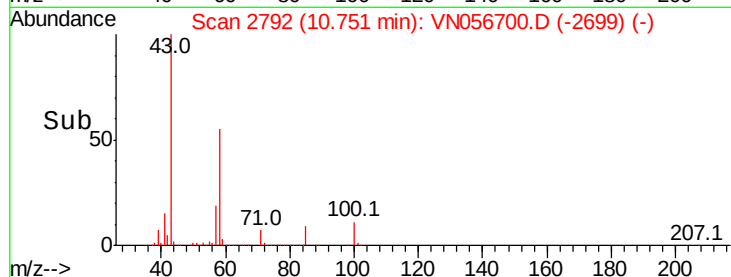
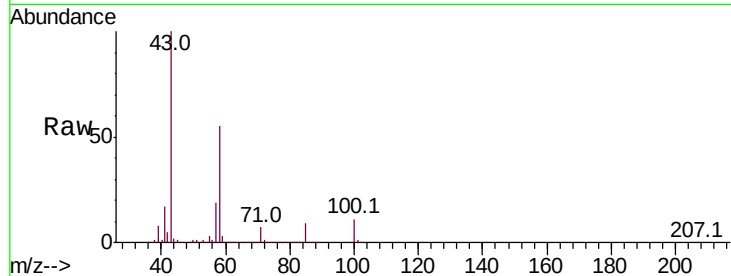
#59
2-Hexanone
Concen: 270.546 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 934987
Ion Ratio Lower Upper
43 100
58 55.7 27.9 83.6

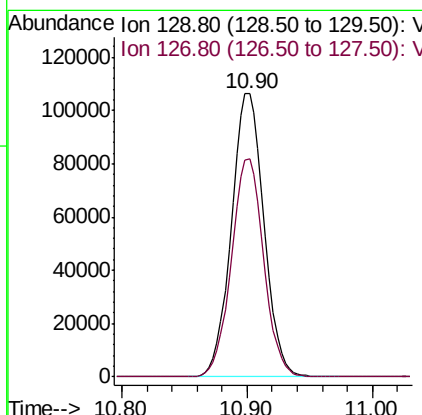
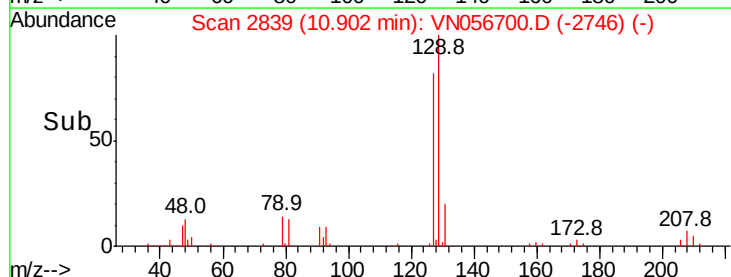
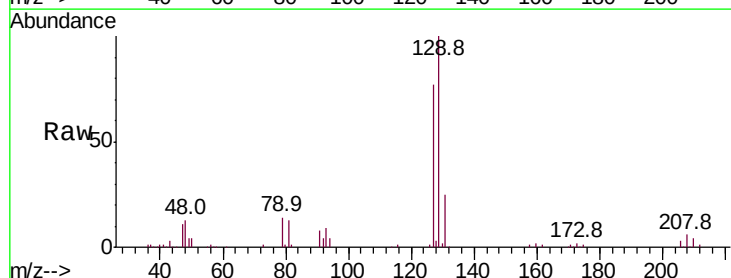
Manual Integrations
APPROVED

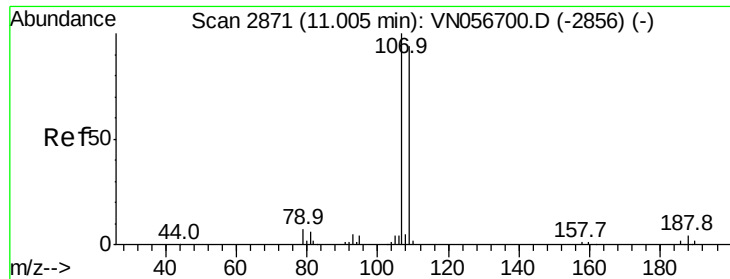
MMDadoda
7/17/2019 1:31:19 AM



#60
Dibromochloromethane
Concen: 57.841 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion: 129 Resp: 191462
Ion Ratio Lower Upper
129 100
127 76.4 38.2 114.6





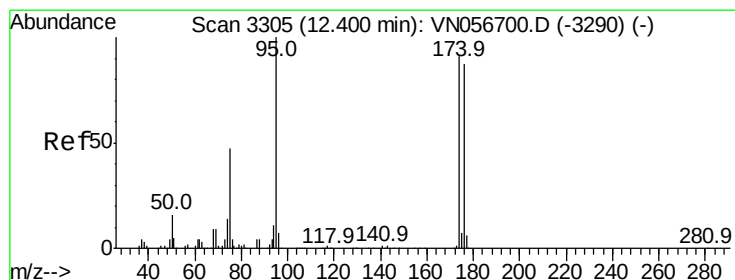
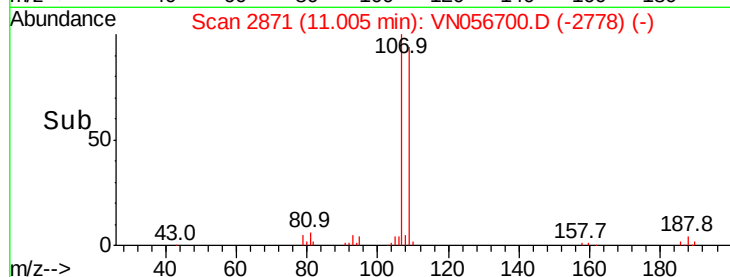
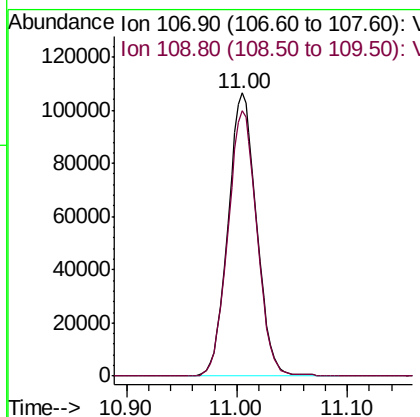
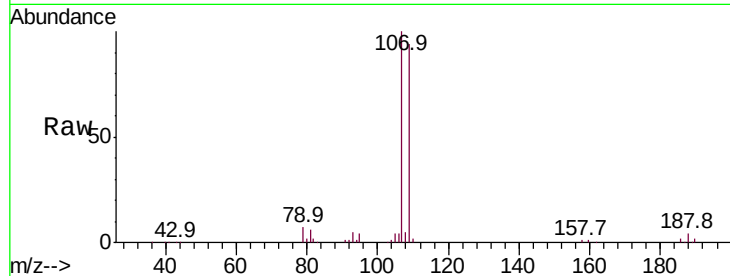
#61
 1,2-Dibromoethane
 Concen: 51.935 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.2	114.4

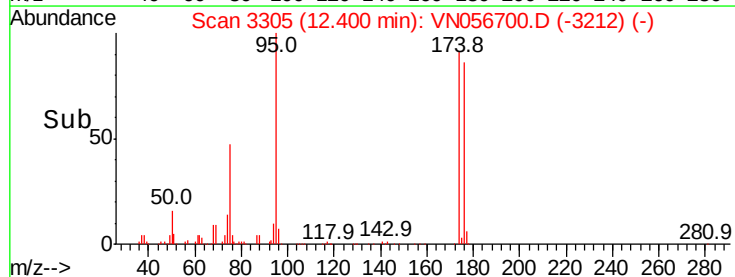
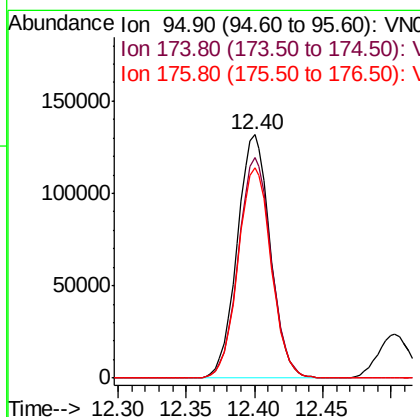
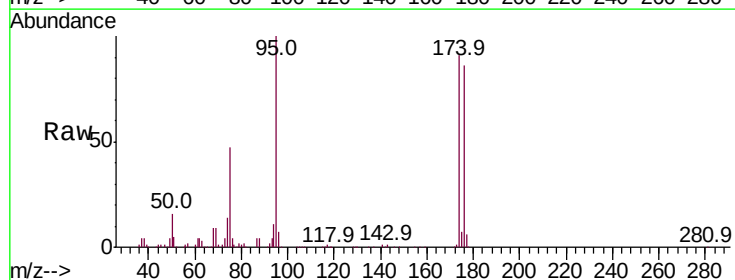
Manual Integrations
 APPROVED

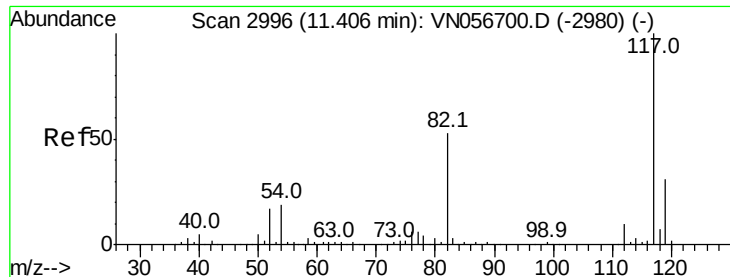
MMDadoda
 7/17/2019 1:31:19 AM



#62
 4-Bromofluorobenzene
 Concen: 51.159 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	180.0
176	86.6	0.0	173.2





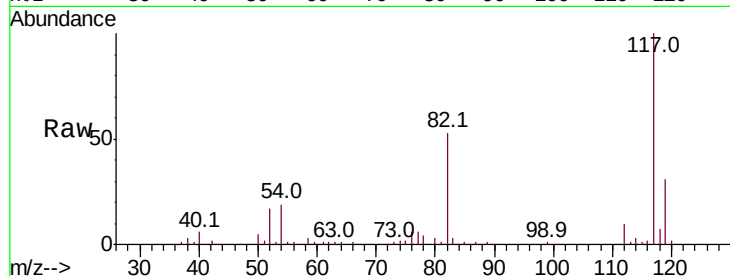
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.2	63.2
119	31.5	25.2	37.8

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:19 AM

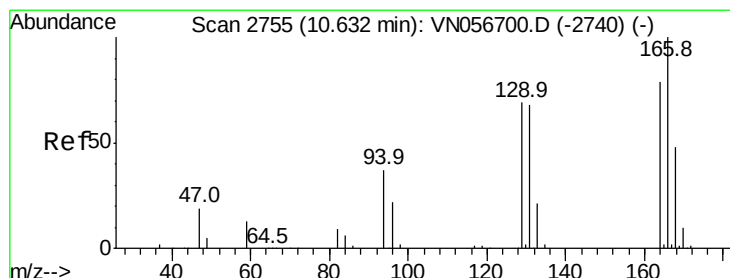
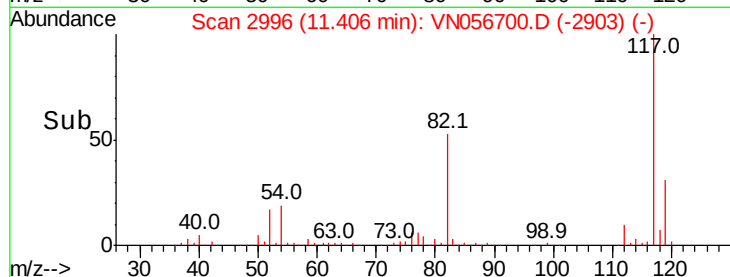
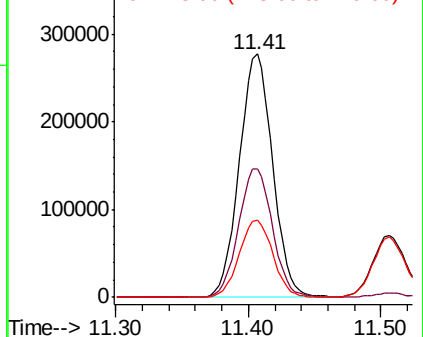


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 50.005 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.4	152.2
129	87.0	69.6	104.4
131	86.2	69.0	103.4

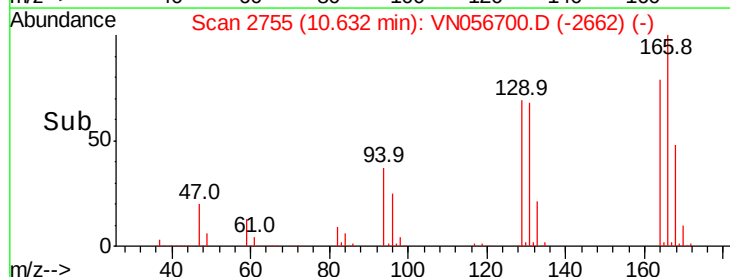
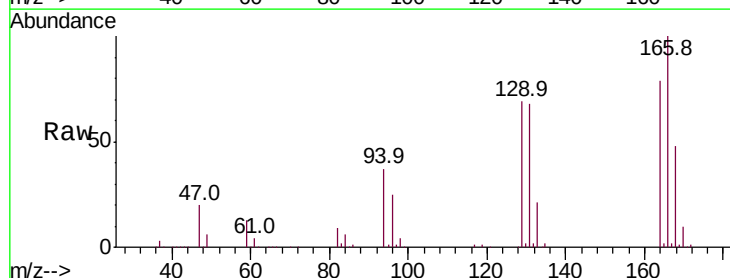
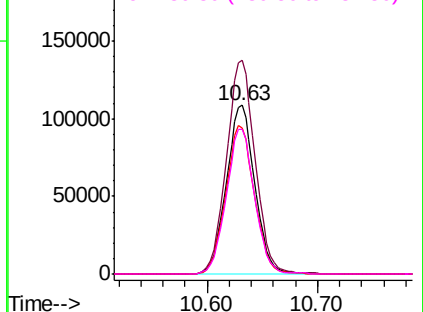
Abundance

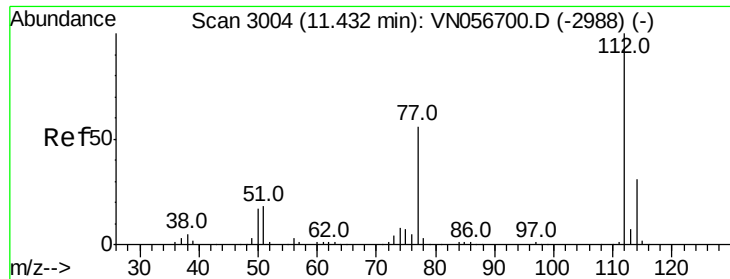
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





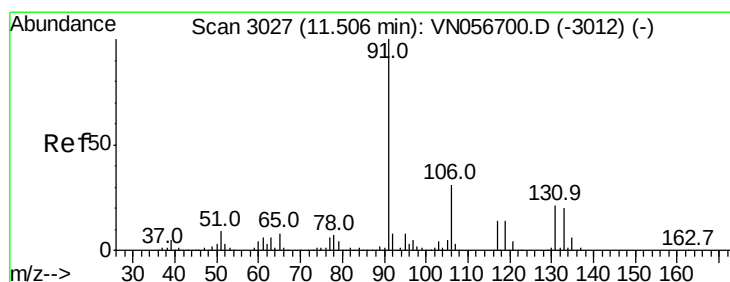
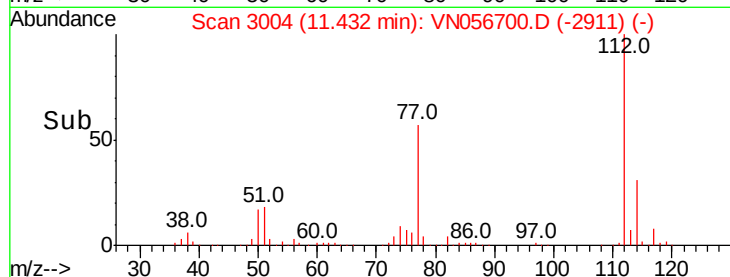
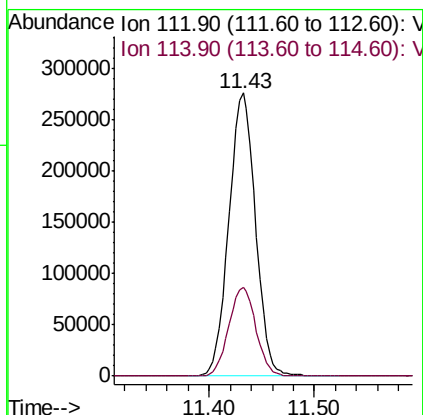
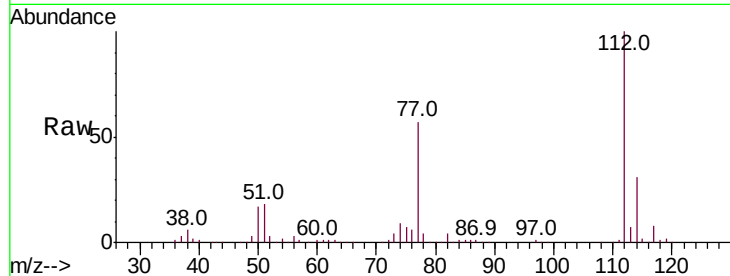
#65
Chlorobenzene
Concen: 49.378 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 482007
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8

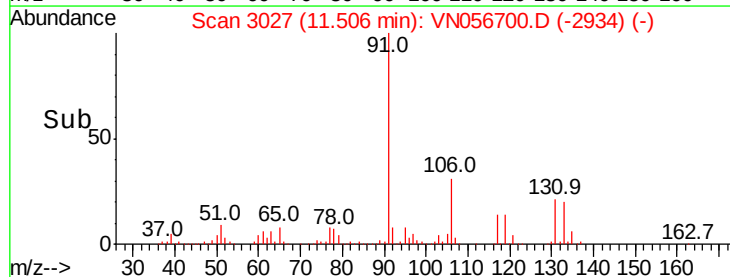
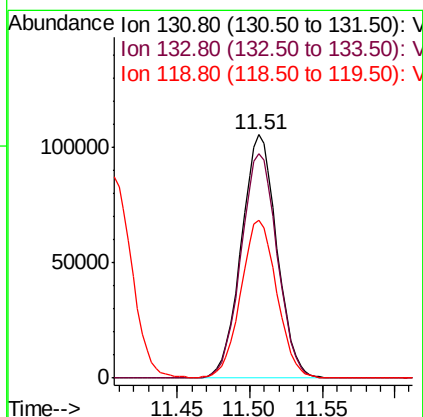
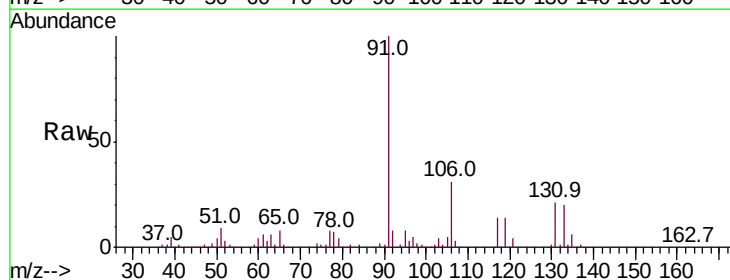
Manual Integrations
APPROVED

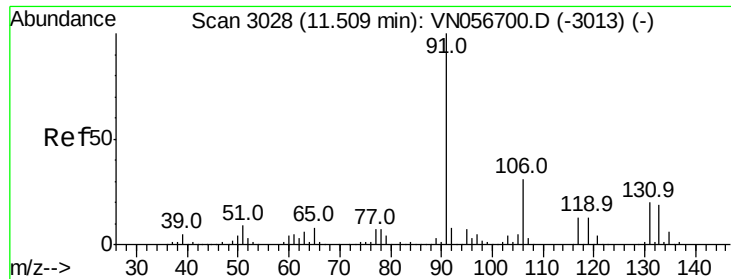
MMDadoda
7/17/2019 1:31:19 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.041 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion:131 Resp: 180139
Ion Ratio Lower Upper
131 100
133 93.8 46.9 140.7
119 65.5 32.8 98.3





#67

Ethyl Benzene

Concen: 50.098 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 860648

Ion Ratio Lower Upper

91 100

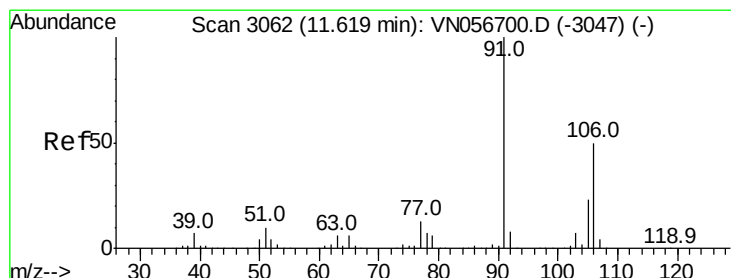
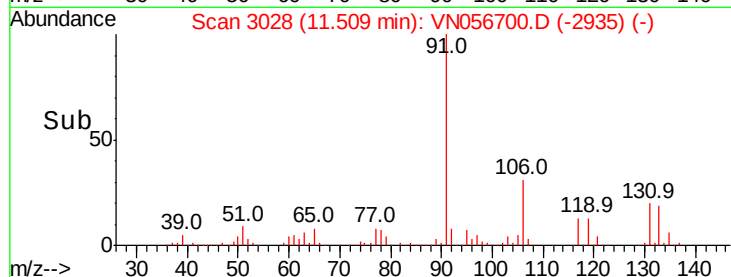
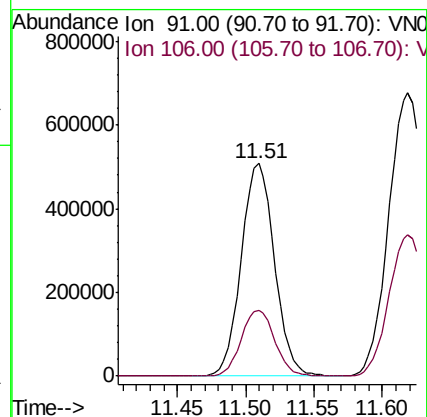
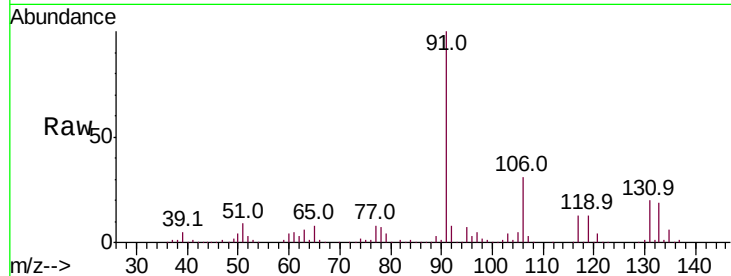
106 31.0 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

7/17/2019 1:31:19 AM



#68

m/p-Xylenes

Concen: 103.313 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN056700.D

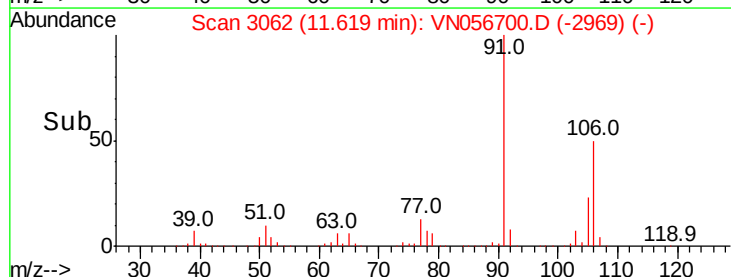
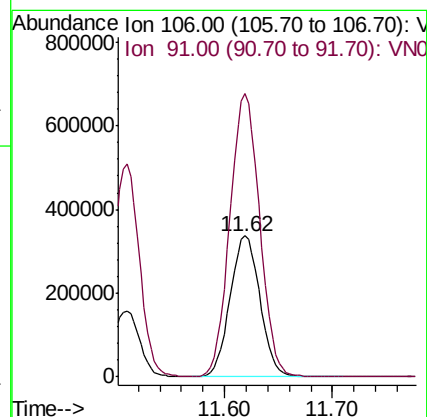
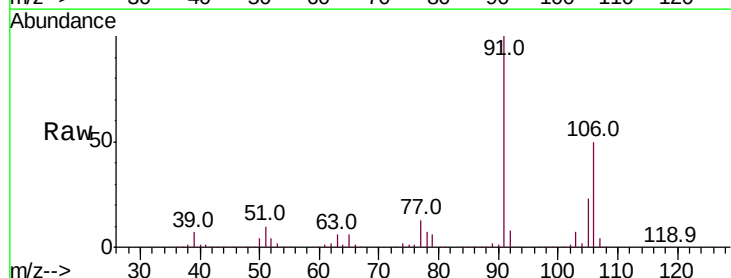
Acq: 15 Jul 2019 9:56

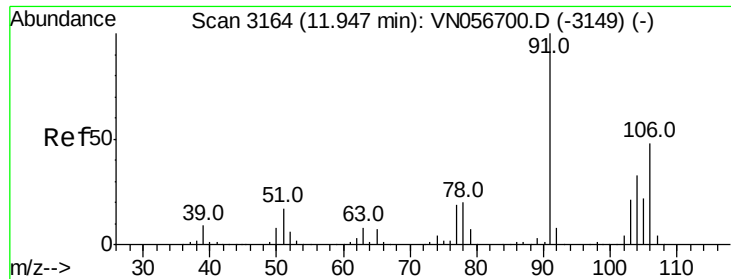
Tgt Ion: 106 Resp: 650882

Ion Ratio Lower Upper

106 100

91 200.6 160.5 240.7





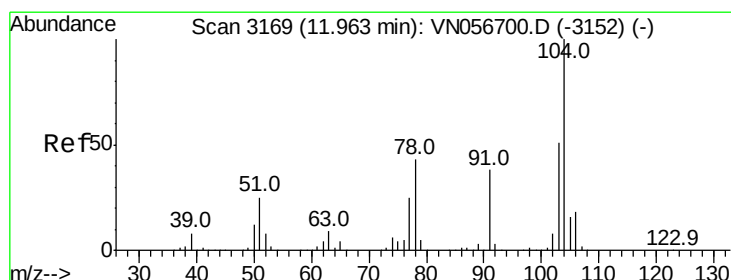
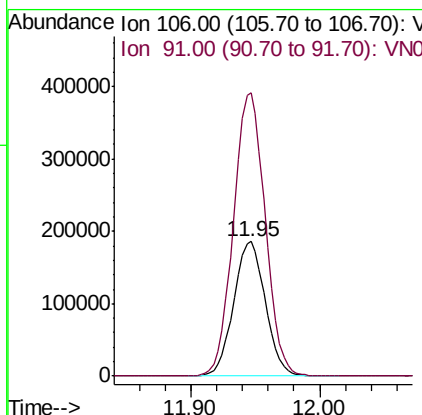
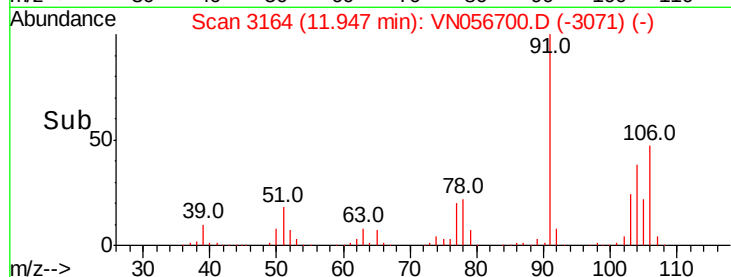
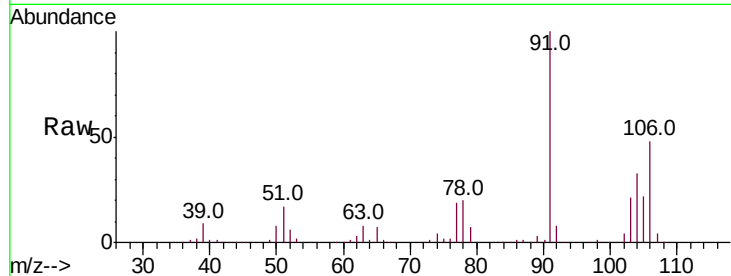
#69
o-Xylene
Concen: 50.837 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 316800
Ion Ratio Lower Upper
106 100
91 211.2 105.6 316.8

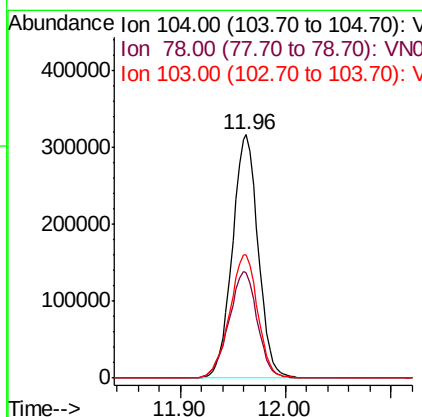
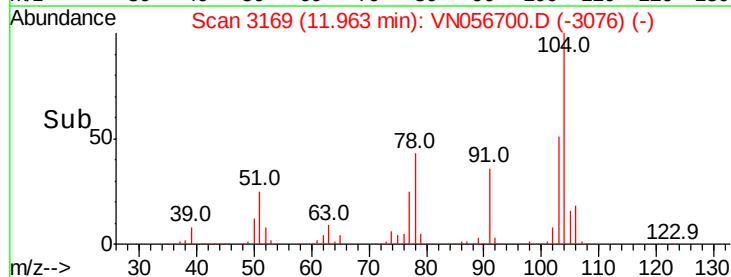
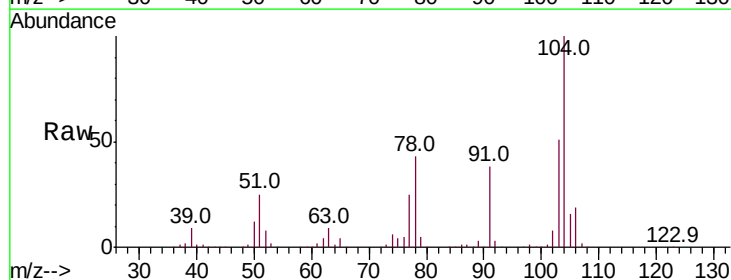
Manual Integrations
APPROVED

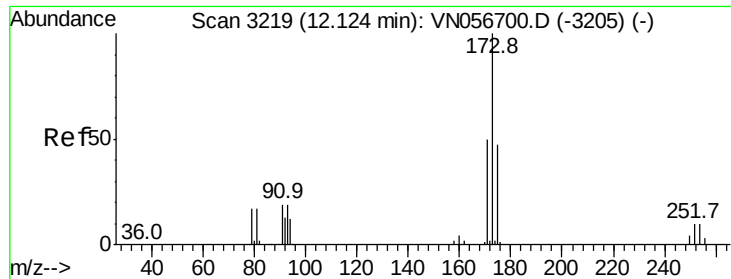
MMDadoda
7/17/2019 1:31:19 AM



#70
Styrene
Concen: 53.679 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion:104 Resp: 535153
Ion Ratio Lower Upper
104 100
78 48.2 38.6 57.8
103 55.3 44.2 66.4





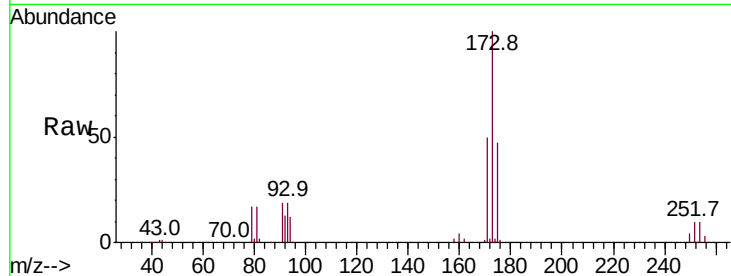
#71
Bromoform
Concen: 61.495 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:19 AM

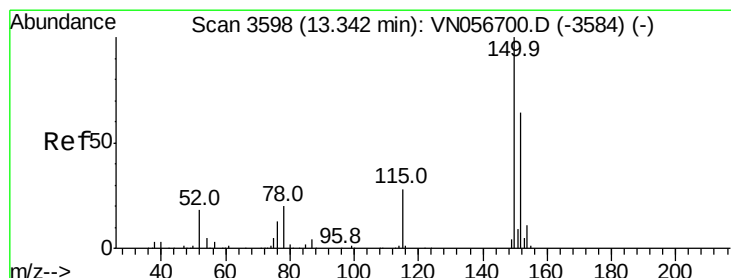
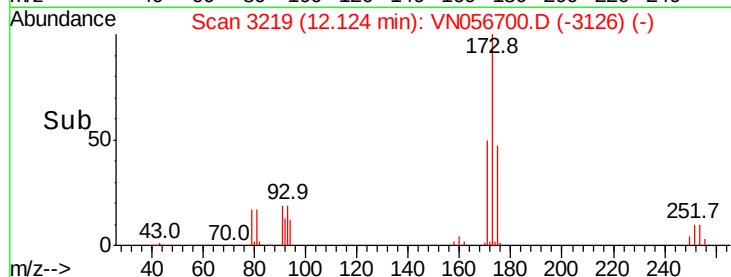
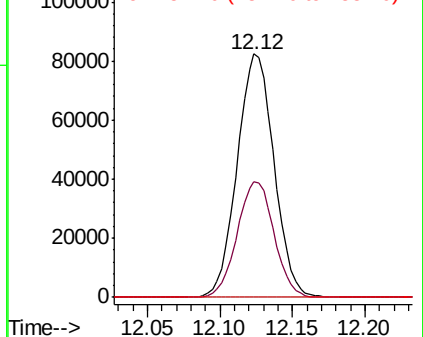


Abundance

Ion 172.70 (172.40 to 173.40): V

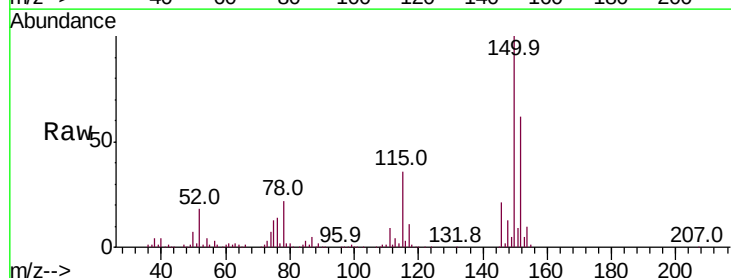
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.2	84.7
150	172.9	0.0	345.8

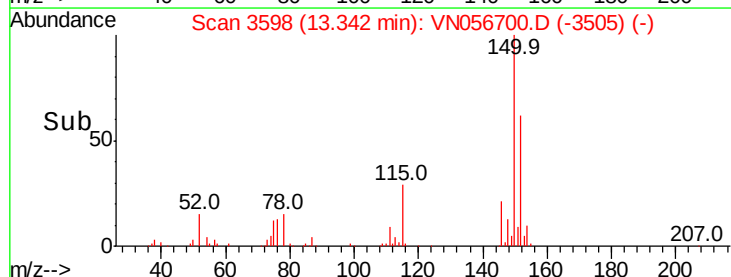
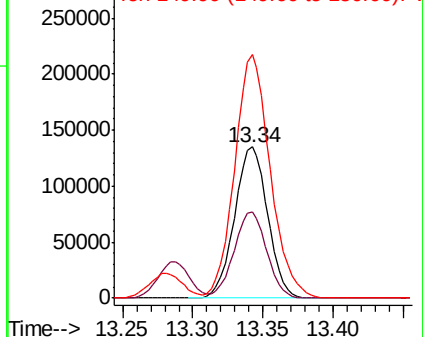


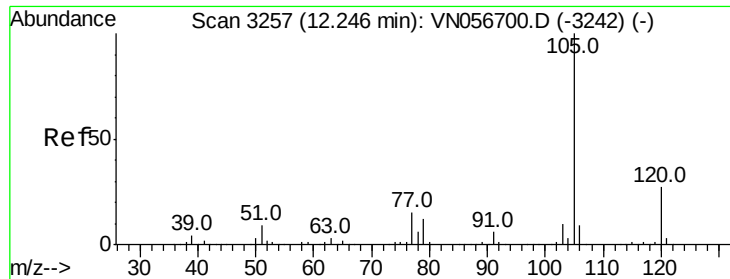
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





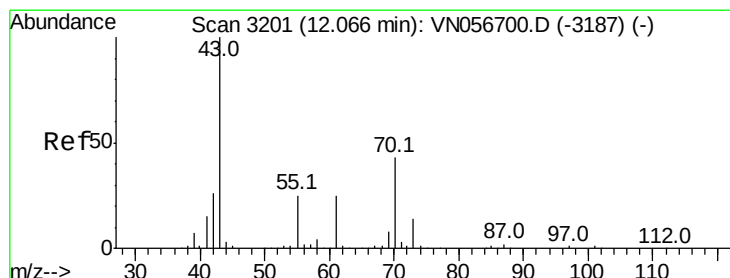
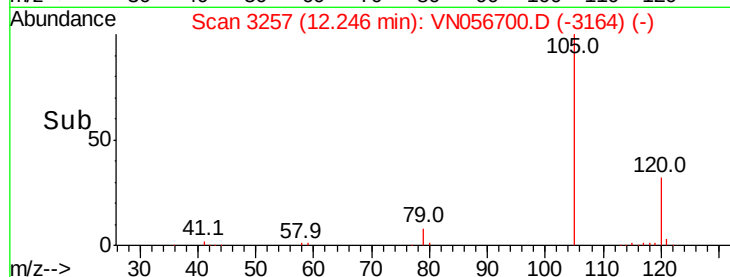
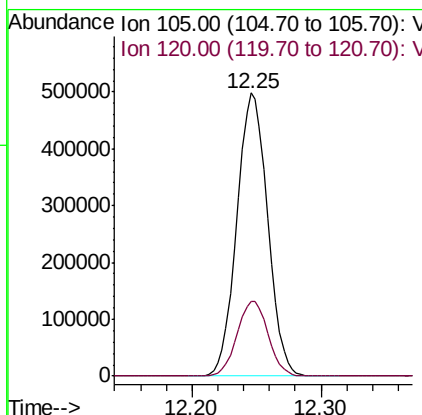
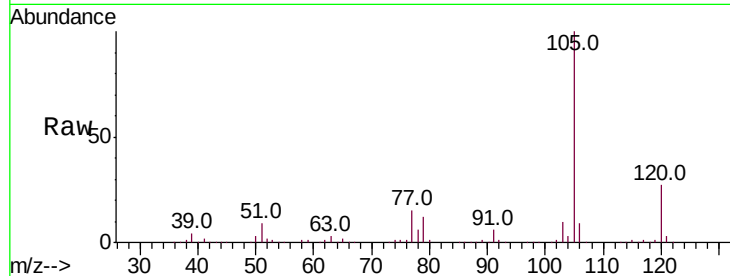
#73
Isopropylbenzene
Concen: 42.552 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.2

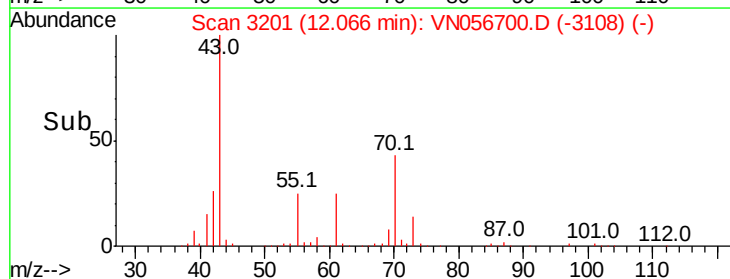
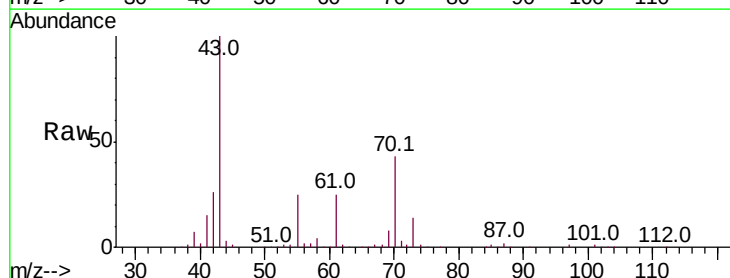
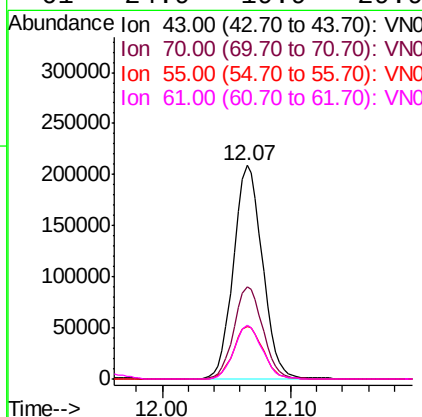
Manual Integrations
APPROVED

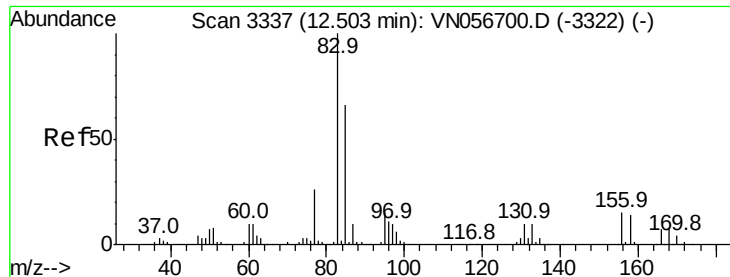
MMDadoda
7/17/2019 1:31:19 AM



#74
N-ethyl acetate
Concen: 46.088 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.5	51.7
55	25.2	20.2	30.2
61	24.9	19.9	29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 43.241 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 263115
Ion Ratio Lower Upper

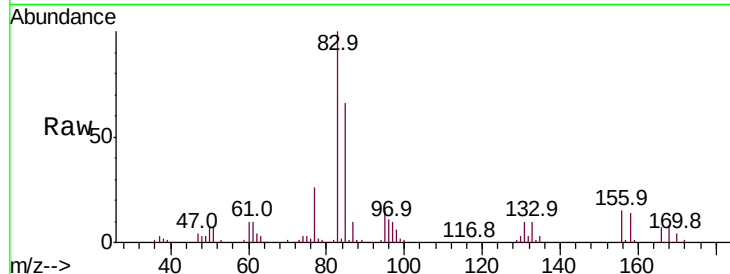
83 100

131 10.5 5.3 15.8

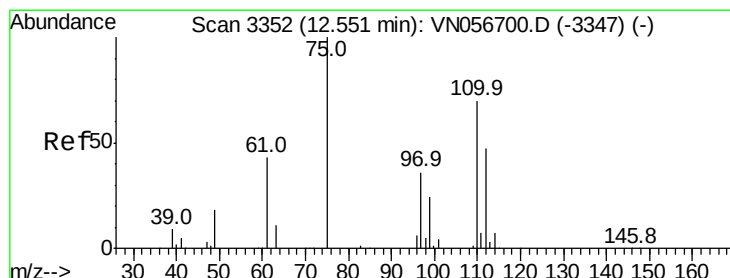
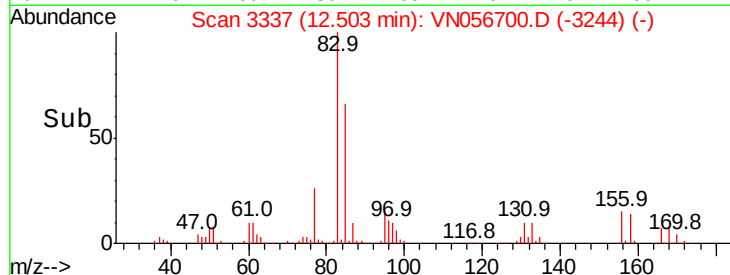
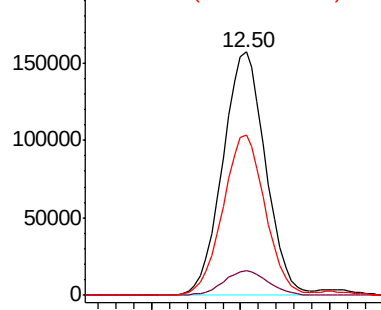
85 65.2 32.6 97.8

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:19 AM



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



#76

1,2,3-Trichloropropane

Concen: 49.664 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

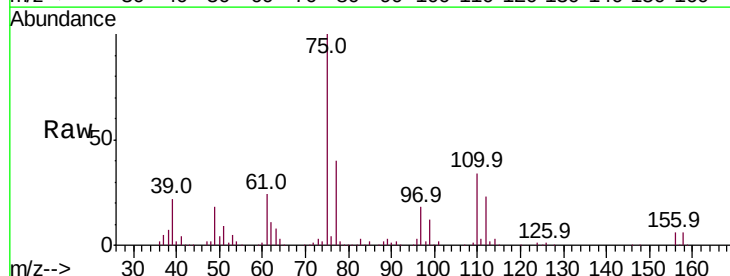
Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

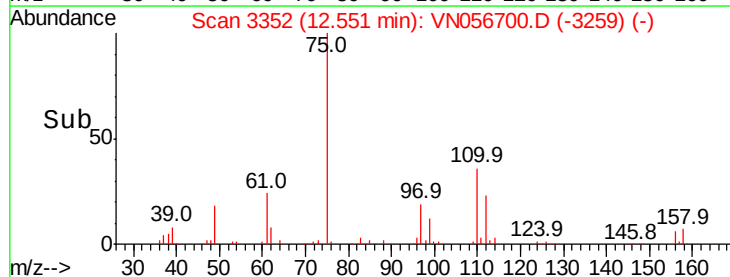
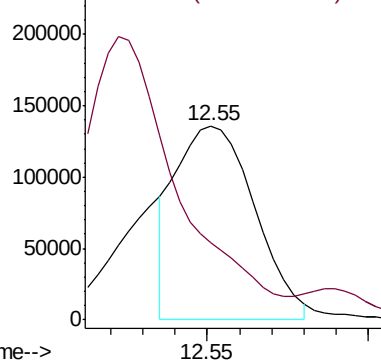
Tgt Ion: 75 Resp: 231688
Ion Ratio Lower Upper

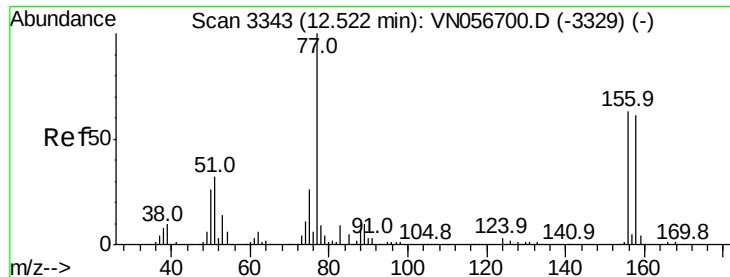
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 44.064 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

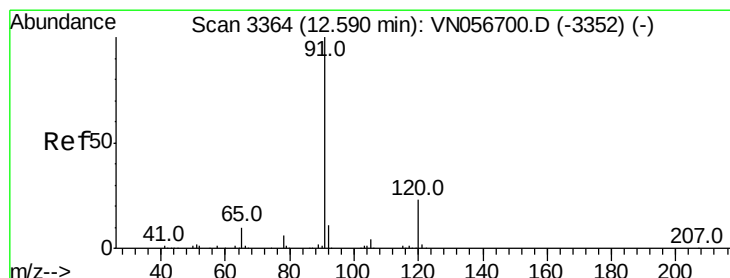
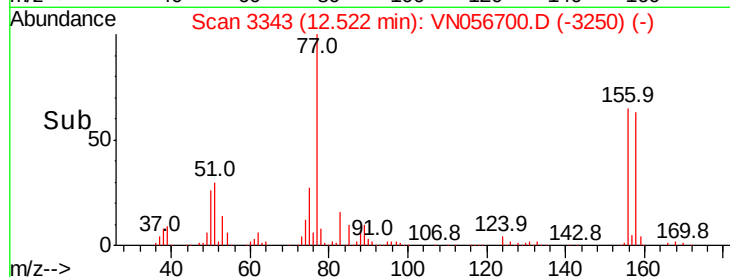
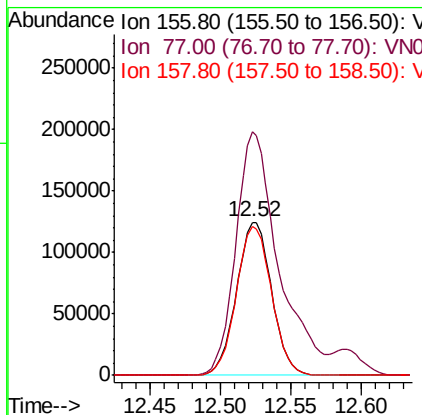
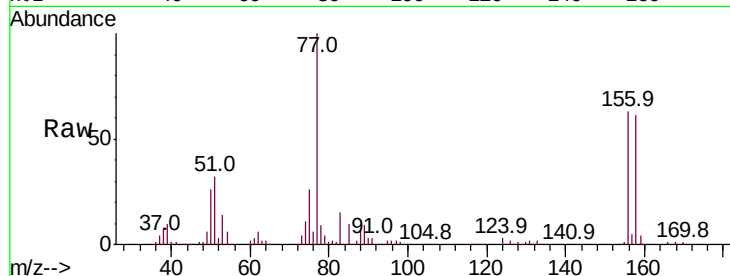
ClientSampled :

VSTDICCC050

Tot Ion:	156	Resp:	217251
Ion Ratio	Lower	Upper	
156	100		
77	194.4	97.2	291.6
158	97.9	48.9	146.8

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:19 AM



#78

n-propylbenzene

Concen: 46.252 ug/l

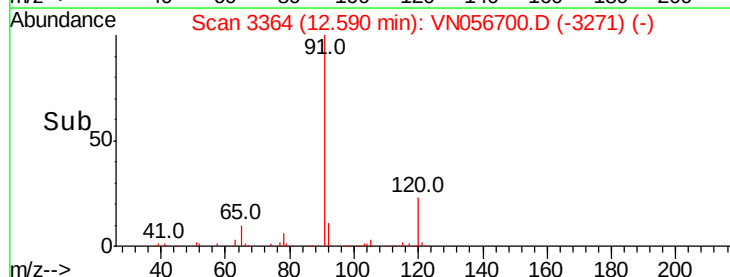
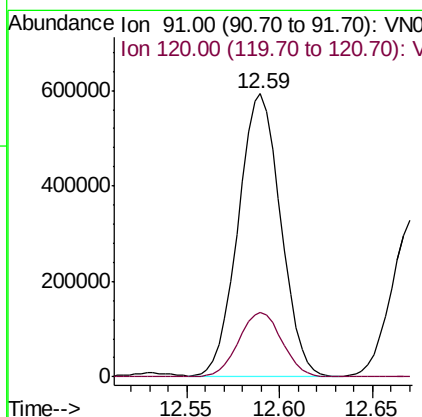
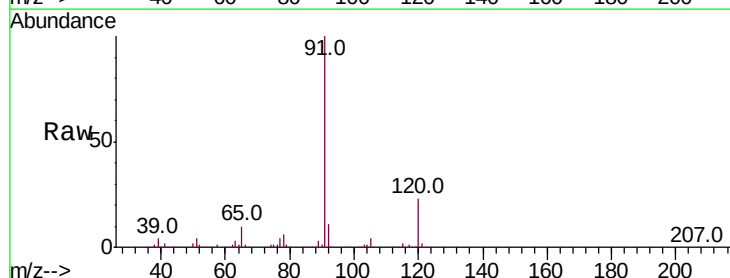
RT: 12.59 min Scan# 3364

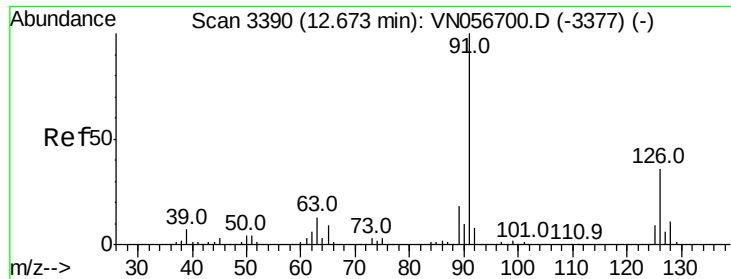
Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Tgt Ion:	91	Resp:	939015
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.8	35.3





#79

2-Chlorotoluene

Concen: 43.619 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 556834

Ion Ratio Lower Upper

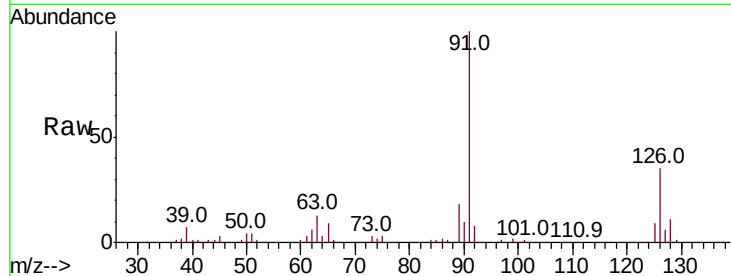
91 100

126 35.8 17.9 53.7

Manual Integrations
APPROVED

MMDadoda

7/17/2019 1:31:19 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056700.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN056700.D (-3377) (-)

600000

500000

400000

300000

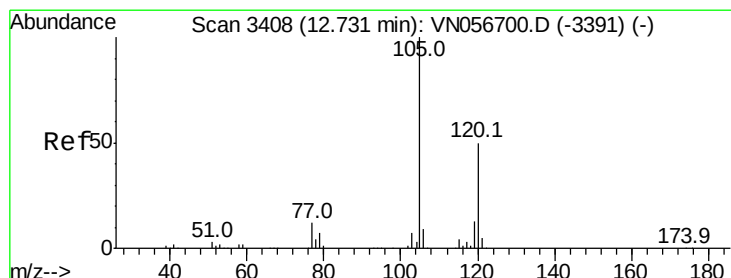
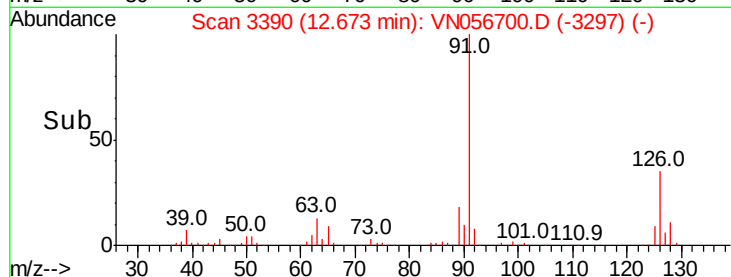
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 44.370 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056700.D

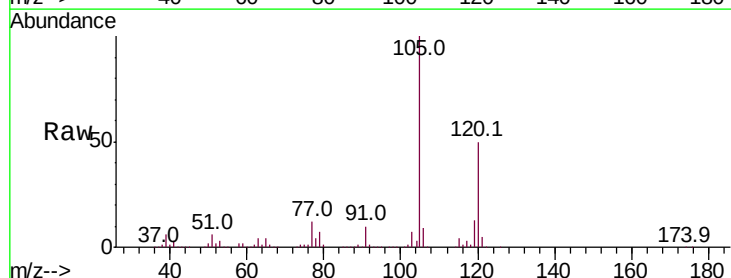
Acq: 15 Jul 2019 9:56

Tgt Ion: 105 Resp: 704827

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056700.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056700.D (-3391) (-)

500000

400000

300000

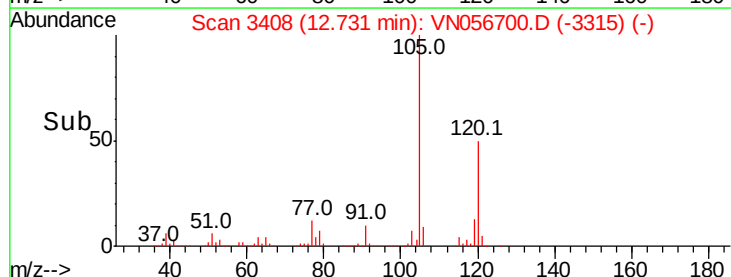
200000

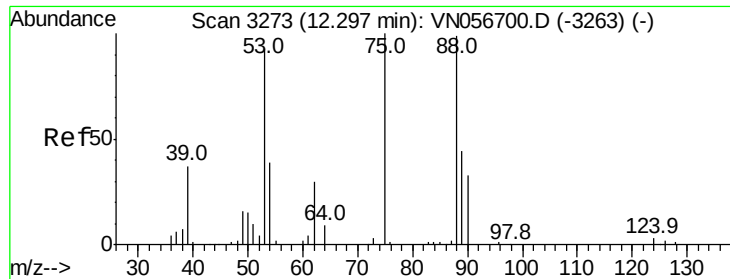
100000

0

12.70 12.80

Time-->





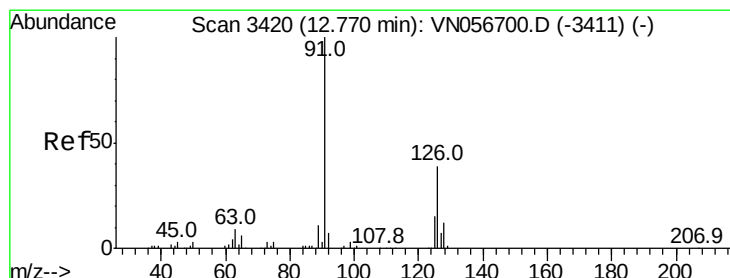
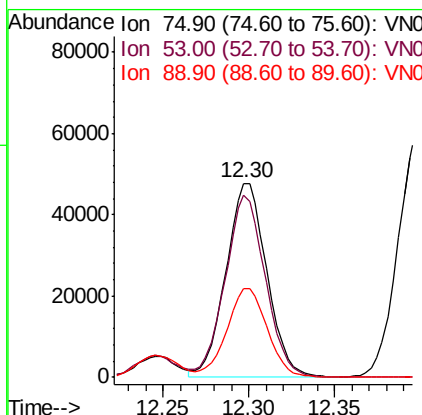
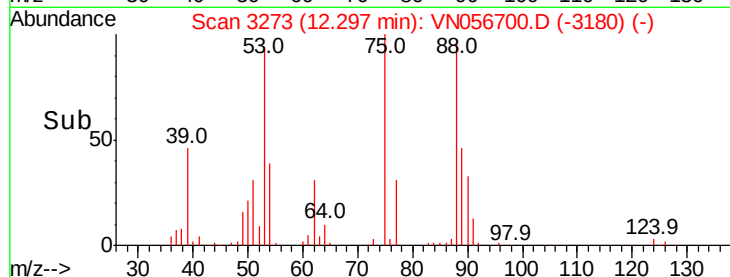
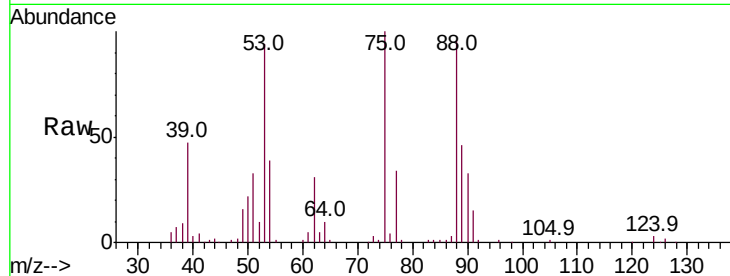
#81
trans-1,4-Dichloro-2-butene
Concen: 58.364 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.1	73.7	110.5
89	45.2	36.2	54.2

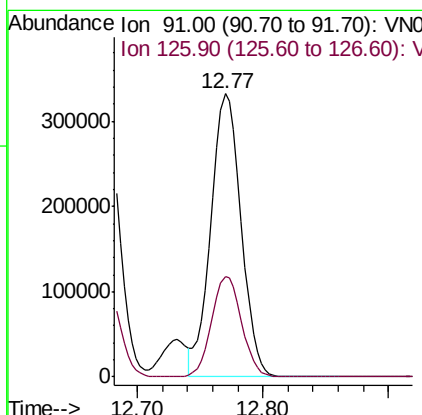
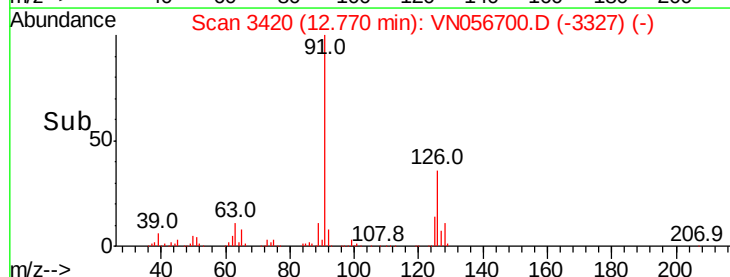
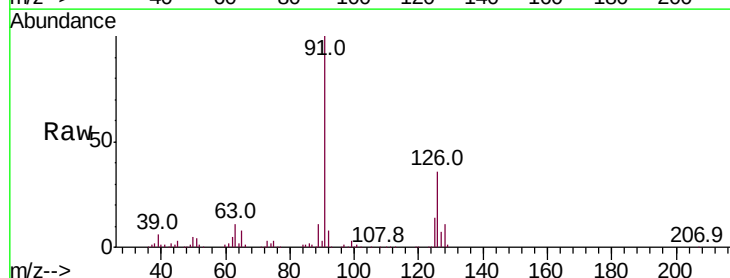
Manual Integrations
APPROVED

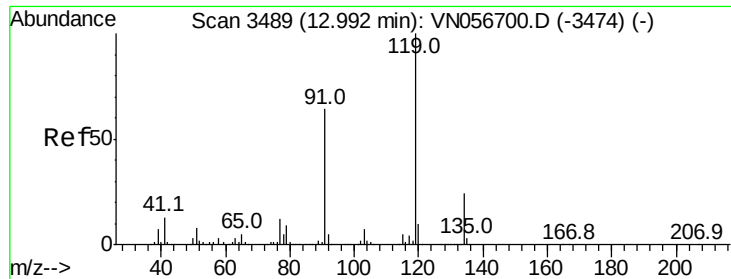
MMDadoda
7/17/2019 1:31:19 AM



#82
4-Chlorotoluene
Concen: 46.347 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8





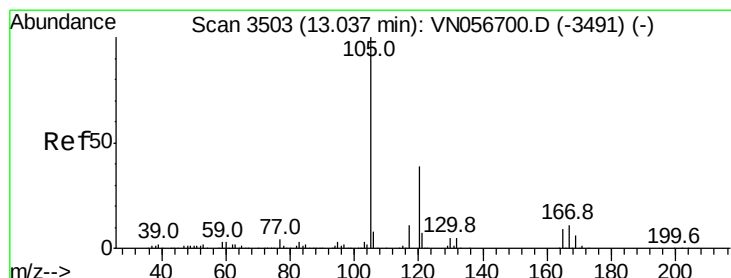
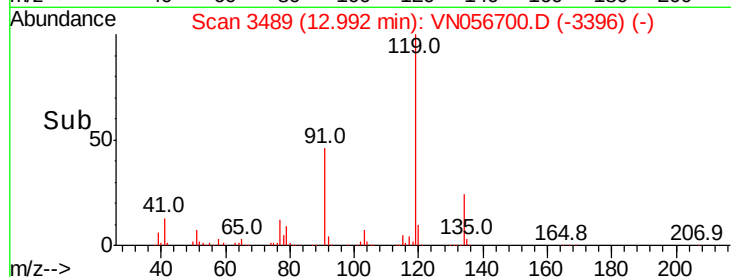
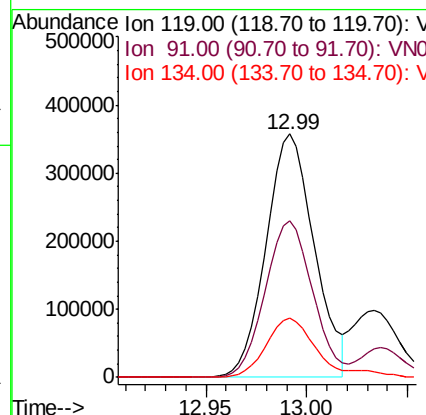
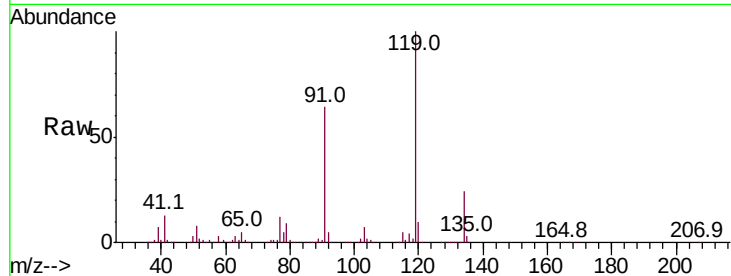
#83
 tert-Butylbenzene
 Concen: 41.266 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	596062		
91	63.6	31.8	95.4	
134	25.9	13.0	38.9	

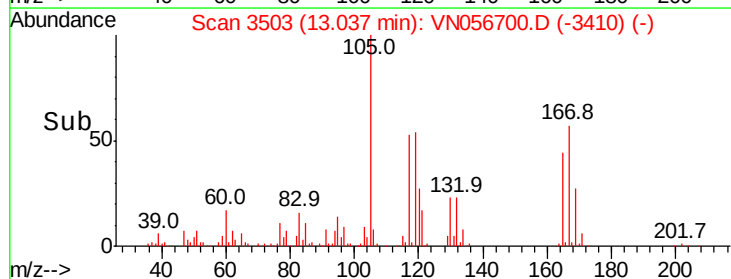
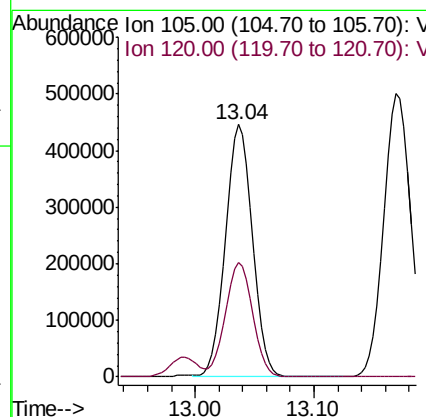
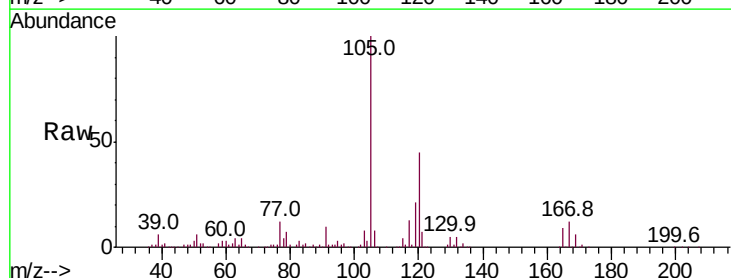
Manual Integrations
 APPROVED

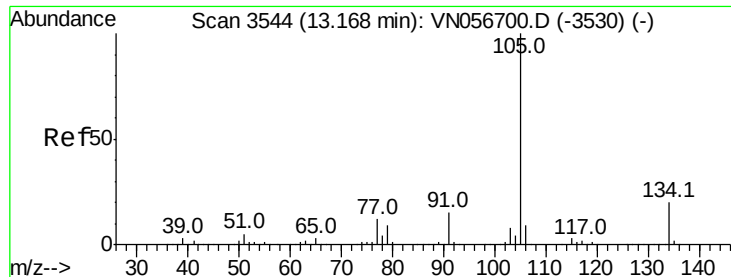
MMDadoda
 7/17/2019 1:31:19 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.011 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	702465		
120	45.9	22.9	68.8	





#85

sec-Butylbenzene

Concen: 44.696 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 794455

Ion Ratio Lower Upper

105 100

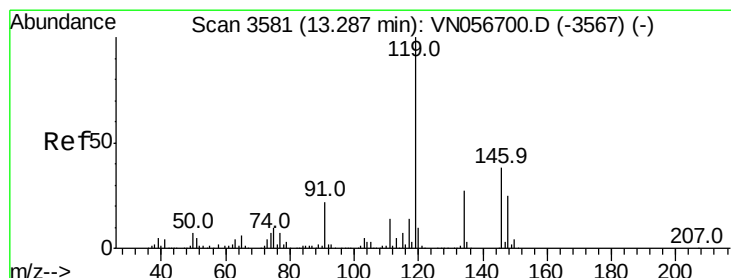
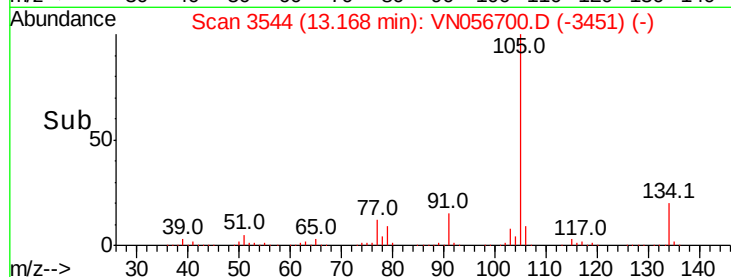
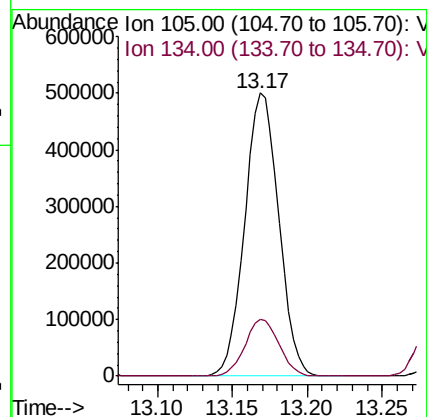
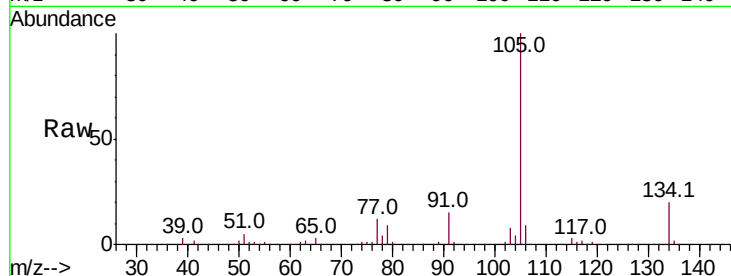
134 20.1 10.1 30.1

Manual Integrations

APPROVED

MMDadoda

7/17/2019 1:31:19 AM



#86

p-Isopropyltoluene

Concen: 47.198 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

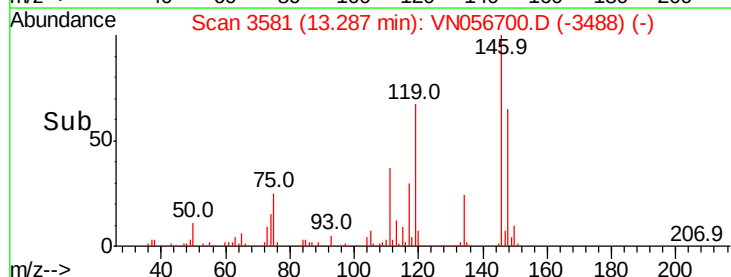
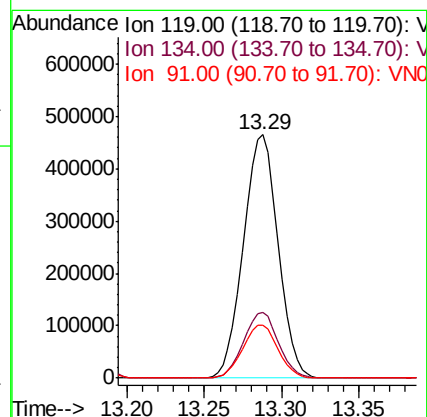
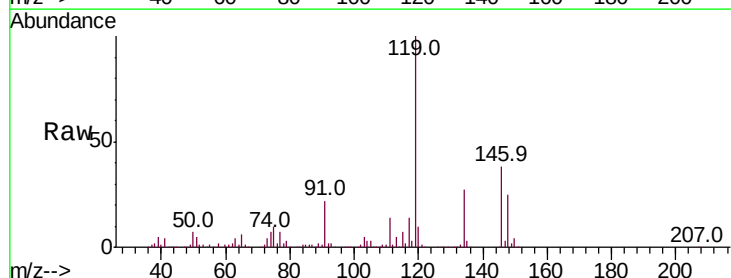
Tgt Ion:119 Resp: 722651

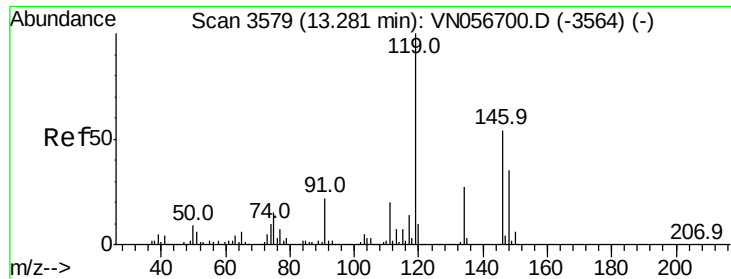
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 22.3 11.2 33.5





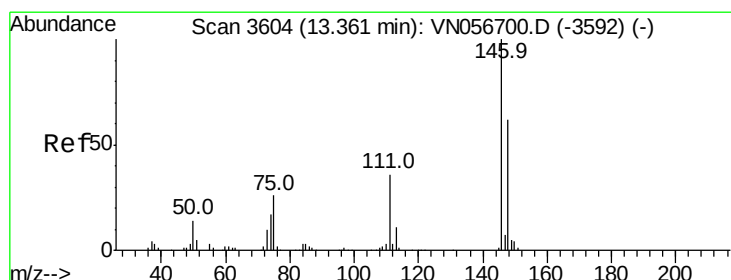
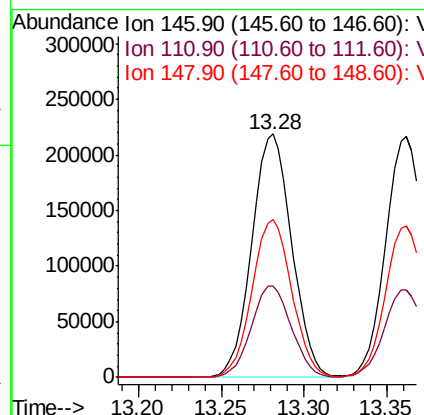
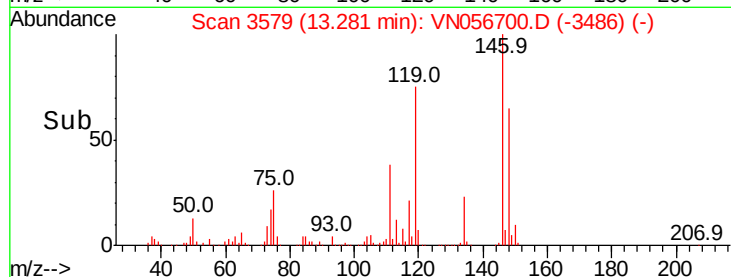
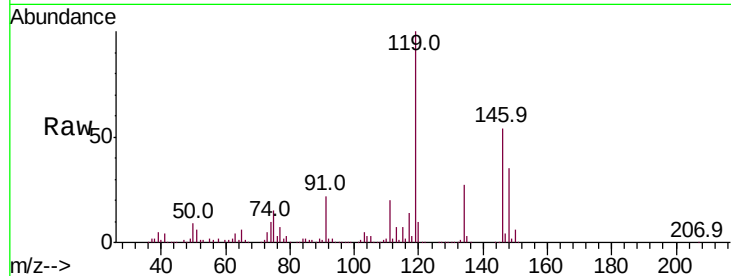
#87
 1,3-Dichlorobenzene
 Concen: 48.742 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	64.5	32.3	96.8

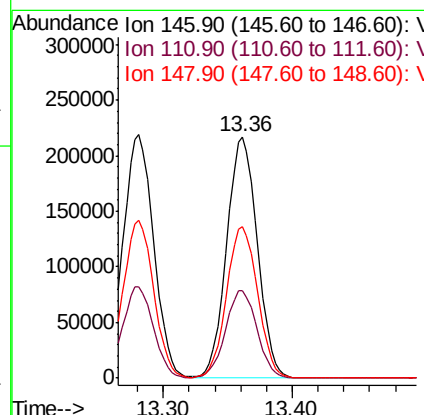
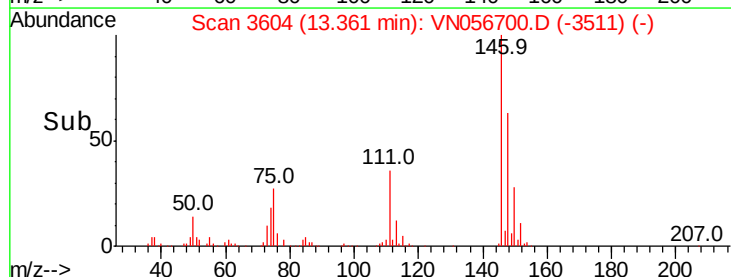
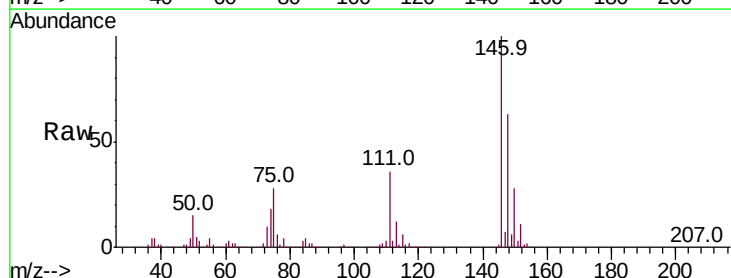
Manual Integrations
 APPROVED

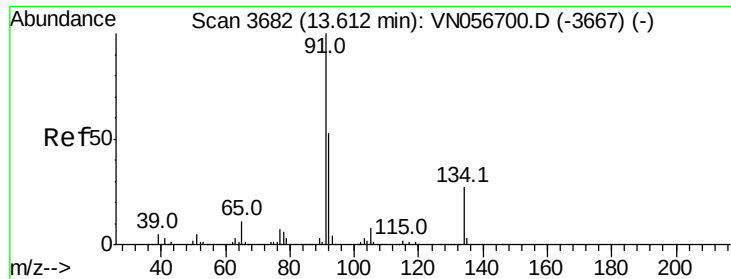
MMDadoda
 7/17/2019 1:31:19 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.817 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	63.8	31.9	95.7





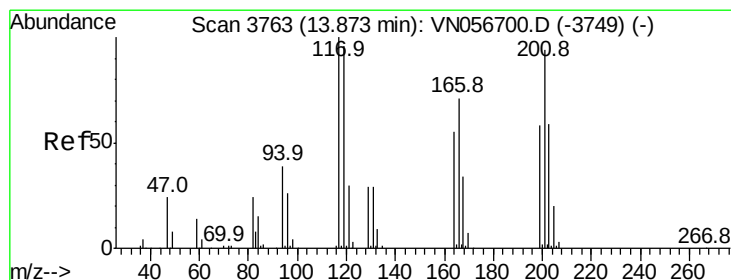
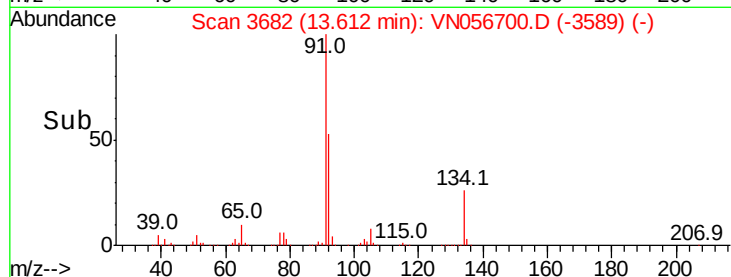
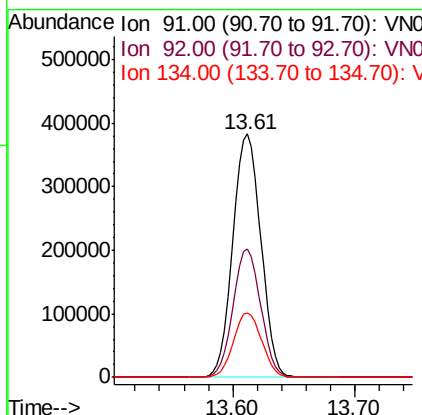
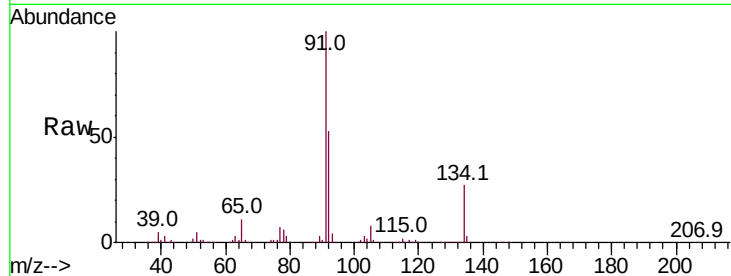
#89
n-Butylbenzene
Concen: 52.087 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	26.8	13.4	40.2

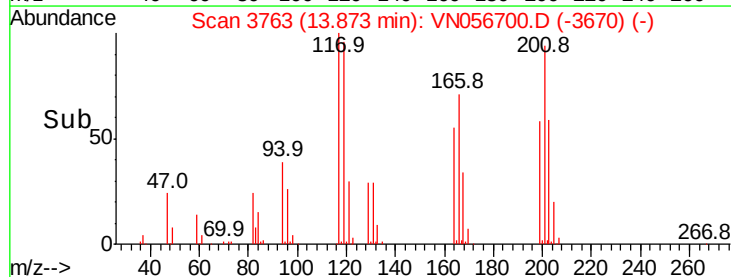
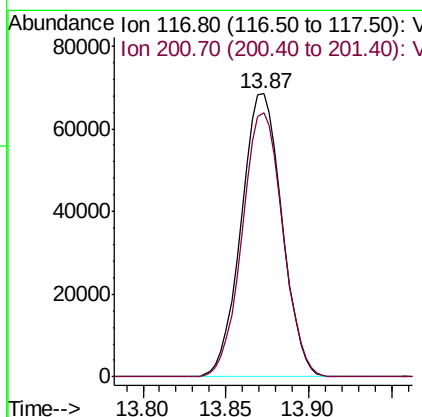
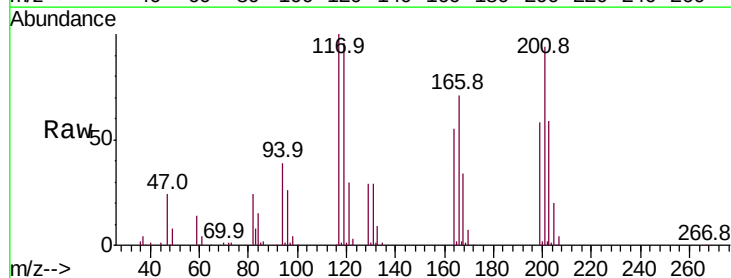
Manual Integrations
APPROVED

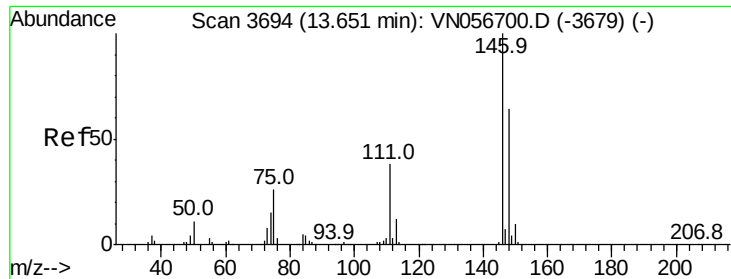
MMDadoda
7/17/2019 1:31:19 AM



#90
Hexachloroethane
Concen: 48.714 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056700.D
Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.0	46.5	139.5





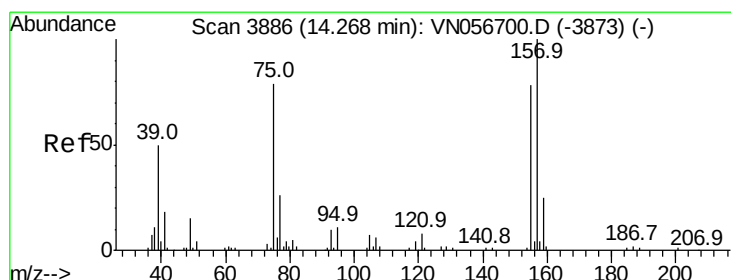
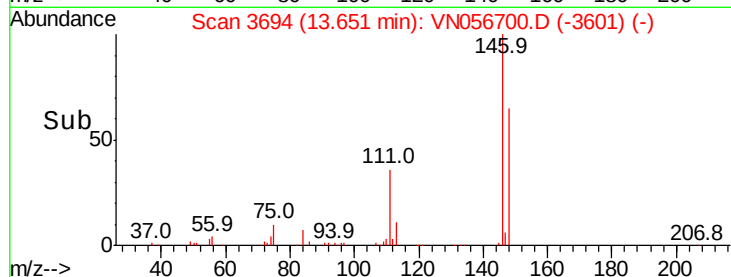
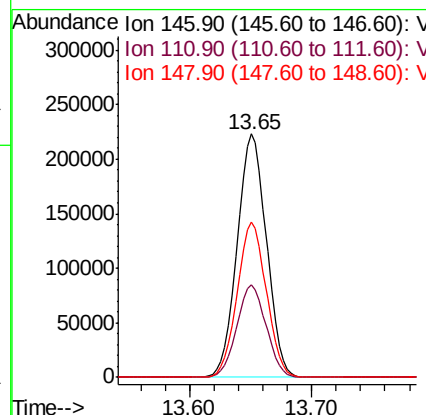
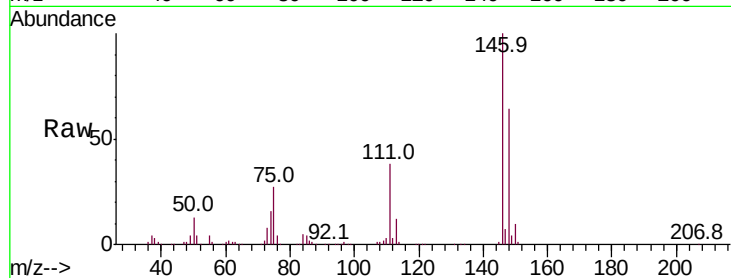
#91
 1,2-Dichlorobenzene
 Concen: 49.592 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	63.4	31.7	95.1

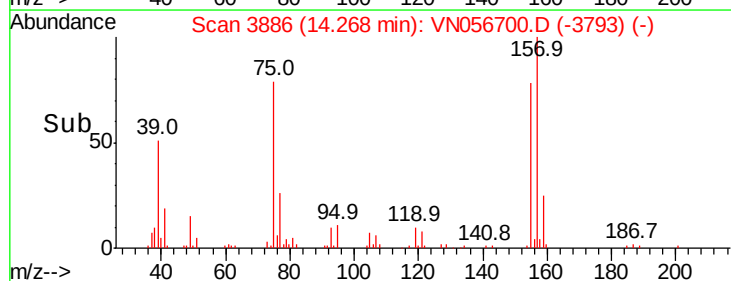
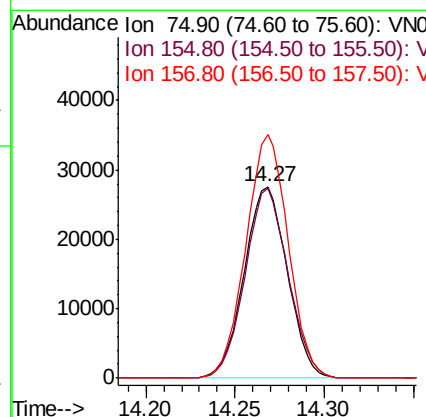
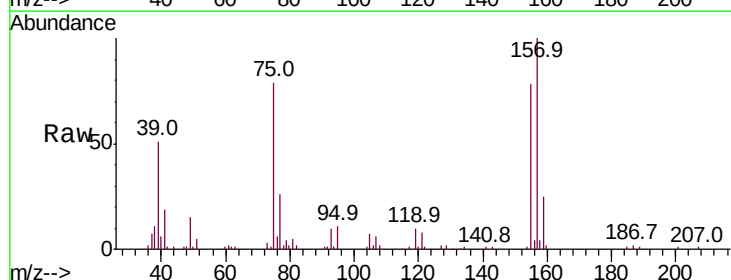
Manual Integrations
 APPROVED

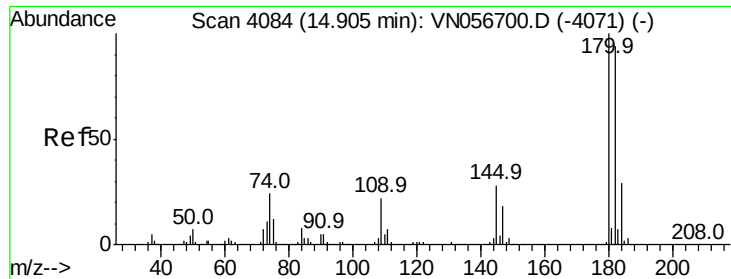
MMDadoda
 7/17/2019 1:31:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.797 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	49.3	147.9
157	124.7	62.4	187.1





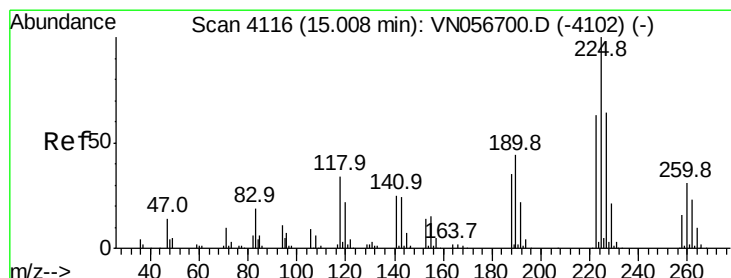
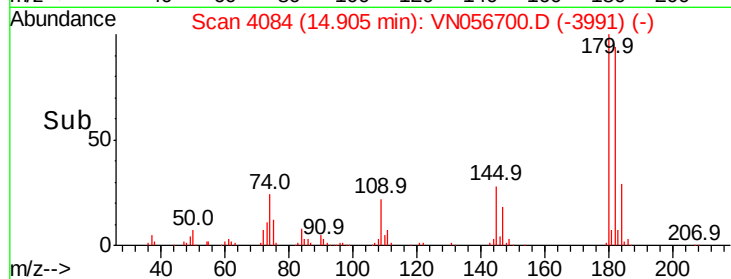
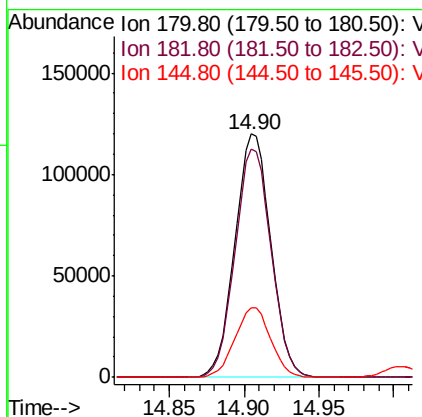
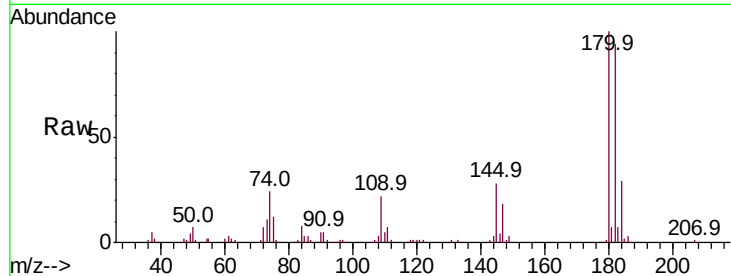
#93
 1,2,4-Trichlorobenzene
 Concen: 62.026 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.4	47.2	141.6	
145	28.5	14.2	42.8	

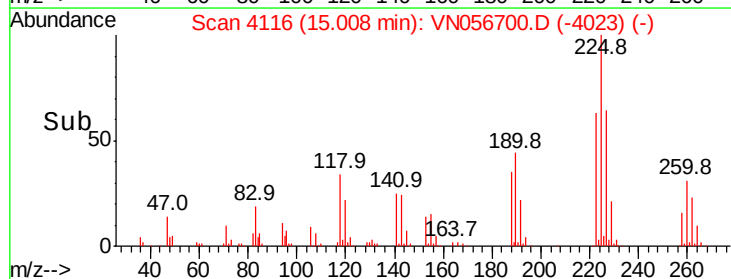
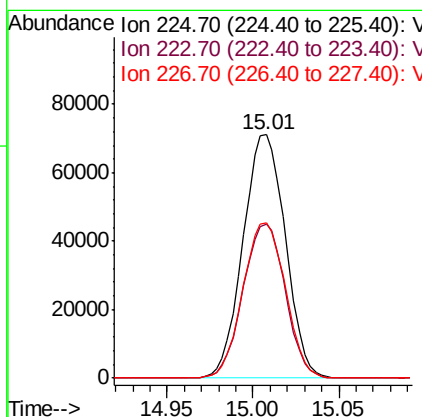
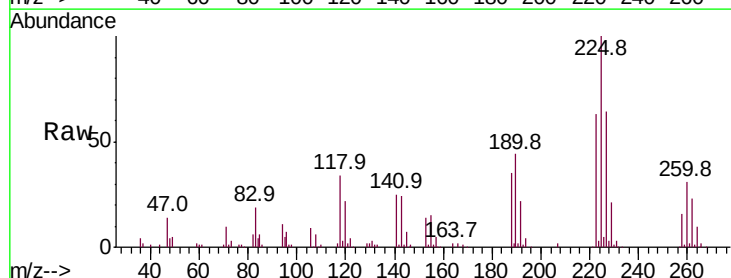
Manual Integrations
 APPROVED

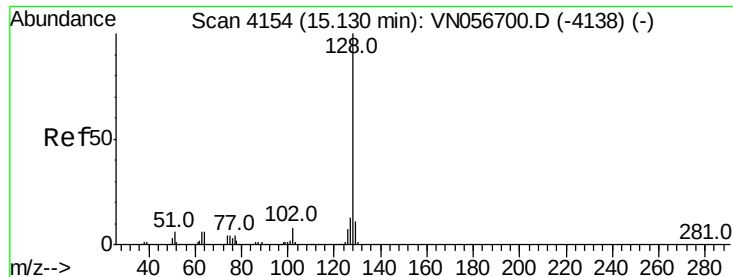
MMDadoda
 7/17/2019 1:31:19 AM



#94
 Hexachlorobutadiene
 Concen: 42.869 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056700.D
 Acq: 15 Jul 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	31.5	94.5	
227	64.1	32.0	96.2	





#95

Naphthalene

Concen: 62.749 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Instrument :

MSVOA_N

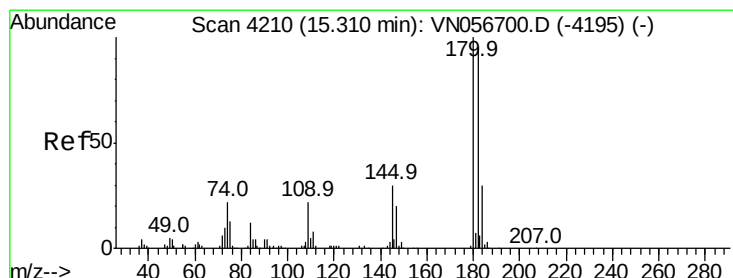
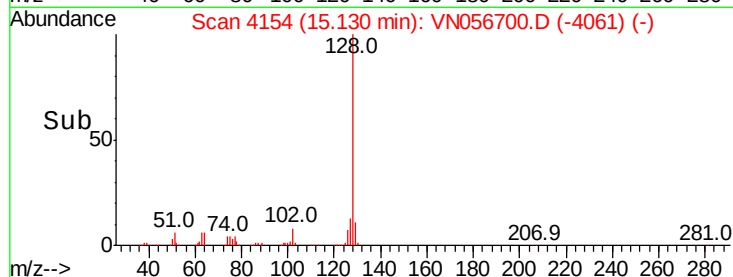
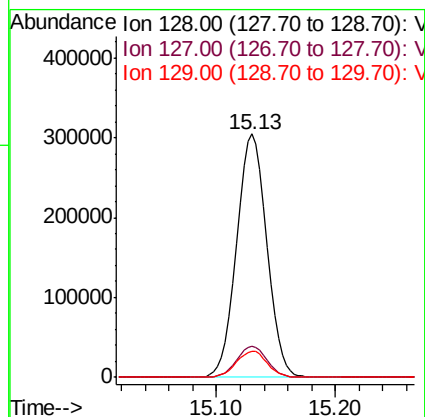
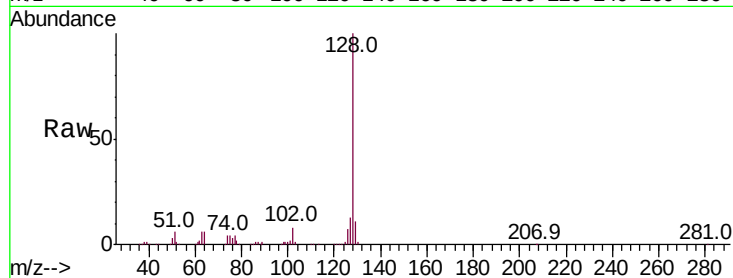
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	534515
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:19 AM



#96

1,2,3-Trichlorobenzene

Concen: 57.844 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056700.D

Acq: 15 Jul 2019 9:56

Tgt Ion:	180	Resp:	198799
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.1	141.3
145	30.1	15.0	45.1

