

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055753.D
 Acq On : 23 May 2019 14:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:22:28 AM

Quant Time: May 24 07:05:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	379707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	528317	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	475142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	227329	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	186515	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
35) Dibromofluoromethane	7.59	113	168441	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.09	98	642257	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.40	95	225168	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	115796	45.313	ug/l 96
3) Chloromethane	2.06	50	161263	45.040	ug/l 99
4) Vinyl Chloride	2.18	62	173015	45.305	ug/l 100
5) Bromomethane	2.53	94	118942m	49.784	ug/l
6) Chloroethane	2.68	64	107880	46.920	ug/l 99
7) Trichlorofluoromethane	3.00	101	236739	47.284	ug/l 100
8) Diethyl Ether	3.40	74	102861	45.838	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	152320	48.737	ug/l 100
10) Methyl Iodide	3.94	142	221968	48.578	ug/l 100
11) Tert butyl alcohol	4.81	59	178084	237.689	ug/l 99
12) 1,1-Dichloroethene	3.72	96	149741	46.370	ug/l 98
13) Acrolein	3.60	56	116455	217.072	ug/l 99
14) Allyl chloride	4.31	41	258171	46.635	ug/l 100
15) Acrylonitrile	4.99	53	399479	232.197	ug/l 99
16) Acetone	3.82	43	409413	237.517	ug/l 98
17) Carbon Disulfide	4.04	76	415148	45.248	ug/l 99
18) Methyl Acetate	4.32	43	165522	47.163	ug/l 99
19) Methyl tert-butyl Ether	5.05	73	498709	46.304	ug/l 100
20) Methylene Chloride	4.54	84	169472	45.398	ug/l 99
21) trans-1,2-Dichloroethene	5.03	96	161626	46.587	ug/l 99
22) Diisopropyl ether	5.95	45	494979	45.971	ug/l 99
23) Vinyl Acetate	5.89	43	2171829	235.257	ug/l 100
24) 1,1-Dichloroethane	5.84	63	288666	46.046	ug/l 100
25) 2-Butanone	6.84	43	567746	235.842	ug/l 100
26) 2,2-Dichloropropane	6.82	77	255483	47.089	ug/l 100
27) cis-1,2-Dichloroethene	6.82	96	190395	47.039	ug/l 99
28) Bromochloromethane	7.19	49	141501	47.407	ug/l 97
29) Tetrahydrofuran	7.21	42	346640	227.382	ug/l 99
30) Chloroform	7.37	83	293197	46.896	ug/l 100
31) Cyclohexane	7.65	56	274690	46.670	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	262382	47.030	ug/l 99
36) 1,1-Dichloropropene	7.79	75	221726	48.159	ug/l 100
37) Ethyl Acetate	6.93	43	217867	48.961	ug/l 99
38) Carbon Tetrachloride	7.77	117	236945	49.407	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055753.D
 Acq On : 23 May 2019 14:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:22:28 AM

Quant Time: May 24 07:05:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	288551	50.611	ug/l	99
40) Benzene	8.04	78	675121	48.655	ug/l	99
41) Methacrylonitrile	7.17	41	106614	47.425	ug/l	98
42) 1,2-Dichloroethane	8.12	62	219959	48.512	ug/l	99
43) Isopropyl Acetate	8.17	43	360317	48.193	ug/l #	92
44) Trichloroethene	8.83	130	198313	51.266	ug/l	99
45) 1,2-Dichloropropane	9.12	63	177321	49.048	ug/l	100
46) Dibromomethane	9.21	93	119180	50.267	ug/l	99
47) Bromodichloromethane	9.40	83	235564	48.454	ug/l	100
48) Methyl methacrylate	9.20	41	167500	48.611	ug/l	98
49) 1,4-Dioxane	9.20	88	72370	1010.682	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1079624	244.501	ug/l	100
52) Toluene	10.16	92	434584	49.798	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	262087	50.504	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	287530	50.015	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	172711	49.401	ug/l	99
56) Ethyl methacrylate	10.43	69	271336	50.219	ug/l	99
57) 1,3-Dichloropropane	10.71	76	279649	49.210	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	528801	256.098	ug/l	99
59) 2-Hexanone	10.75	43	781290	249.416	ug/l	100
60) Dibromochloromethane	10.90	129	208327	51.152	ug/l	100
61) 1,2-Dibromoethane	11.00	107	180151	49.679	ug/l	99
64) Tetrachloroethene	10.63	164	196948	49.146	ug/l	98
65) Chlorobenzene	11.43	112	471687	49.590	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	184248	48.568	ug/l	99
67) Ethyl Benzene	11.51	91	833062	48.839	ug/l	99
68) m/p-Xylenes	11.62	106	644730	99.981	ug/l	100
69) o-Xylene	11.95	106	316217	49.426	ug/l	99
70) Styrene	11.96	104	534255	51.566	ug/l	100
71) Bromoform	12.13	173	163560	50.546	ug/l #	99
73) Isopropylbenzene	12.25	105	832449	51.562	ug/l	99
74) N-amyl acetate	12.07	43	301510	48.931	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	241676	50.494	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	197743m	50.552	ug/l	
77) Bromobenzene	12.53	156	224876	46.357	ug/l	97
78) n-propylbenzene	12.59	91	914275	46.274	ug/l	99
79) 2-Chlorotoluene	12.67	91	543885	51.164	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	699977	51.503	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	79737	47.194	ug/l	99
82) 4-Chlorotoluene	12.77	91	539566	46.457	ug/l	100
83) tert-Butylbenzene	12.99	119	613383	52.271	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	695036	51.203	ug/l	99
85) sec-Butylbenzene	13.17	105	794458	52.009	ug/l	100
86) p-Isopropyltoluene	13.29	119	742804	47.051	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	372186	48.454	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	362187	49.595	ug/l	99
89) n-Butylbenzene	13.61	91	590927	48.852	ug/l	99
90) Hexachloroethane	13.87	117	136353	45.377	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	363578	47.443	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43818	43.502	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
Data File : VN055753.D
Acq On : 23 May 2019 14:56
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

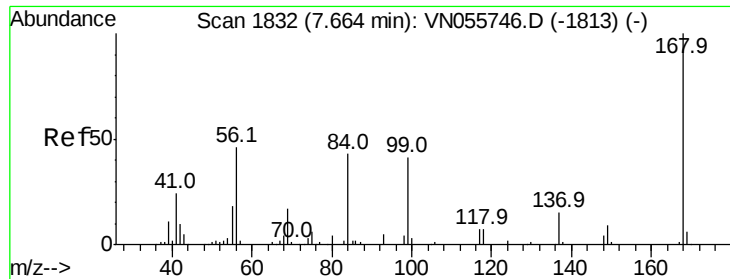
Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:28 AM

Quant Time: May 24 07:05:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	209157	47.623	ug/l	99
94) Hexachlorobutadiene	15.01	225	146531	54.495	ug/l	99
95) Naphthalene	15.13	128	535883	50.959	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	212762	52.521	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 379707

Ion Ratio Lower Upper

168 100

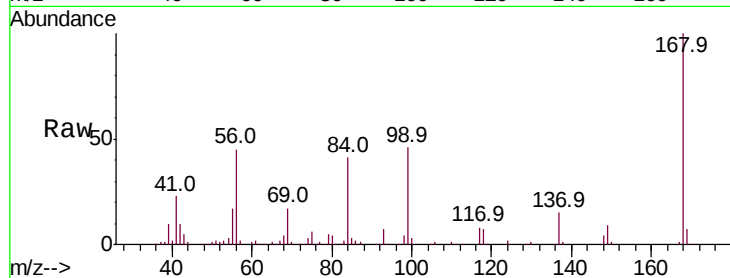
99 45.5 37.2 55.8

Manual Integrations

APPROVED

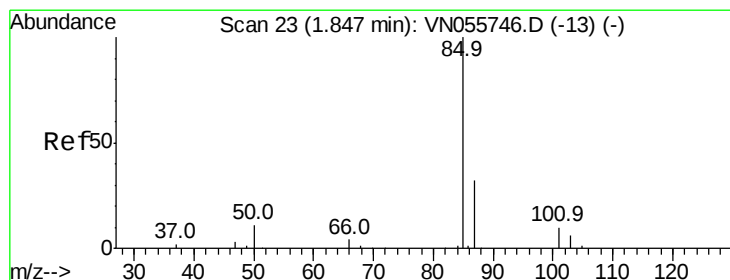
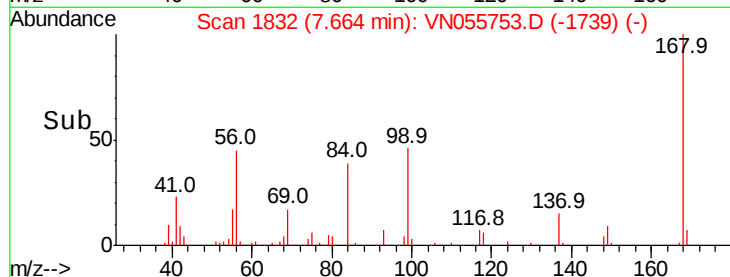
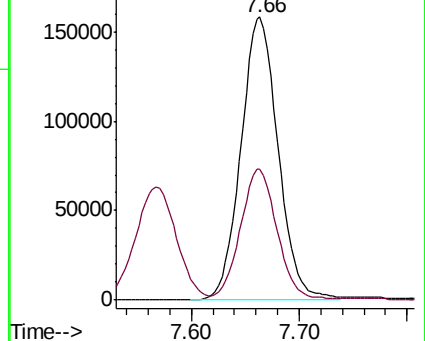
MMDadoda

5/24/2019 9:22:28 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.313 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055753.D

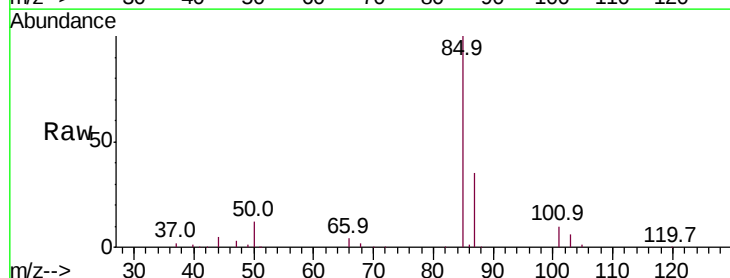
Acq: 23 May 2019 14:56

Tgt Ion: 85 Resp: 115796

Ion Ratio Lower Upper

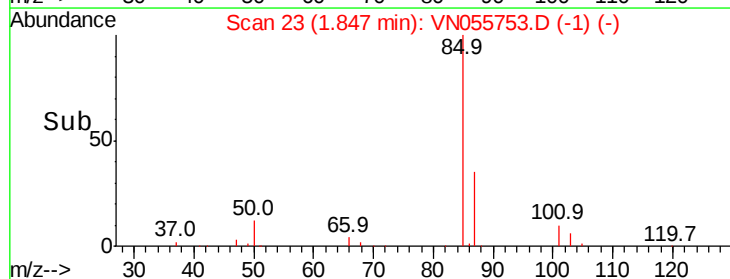
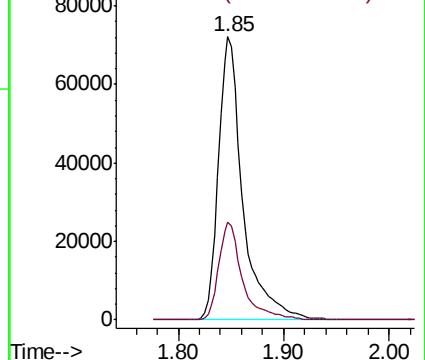
85 100

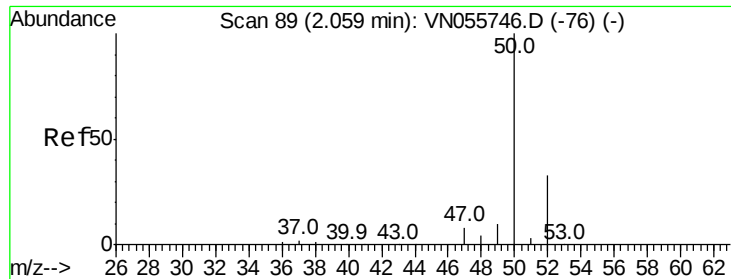
87 34.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.040 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 161263

Ion Ratio Lower Upper

50 100

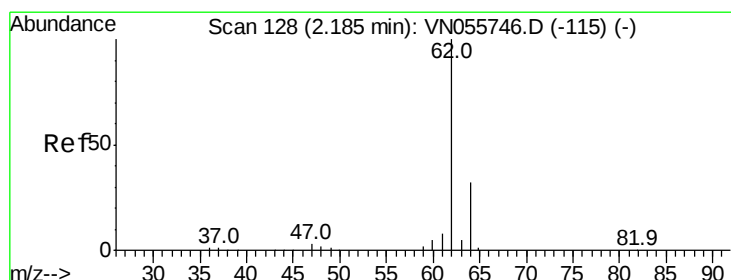
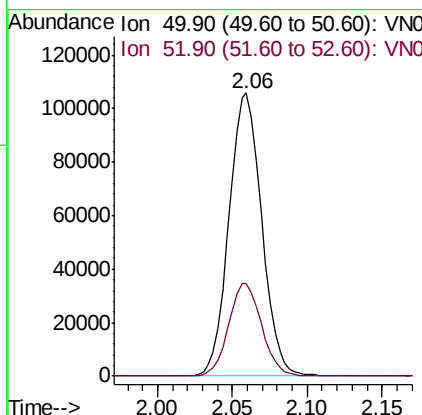
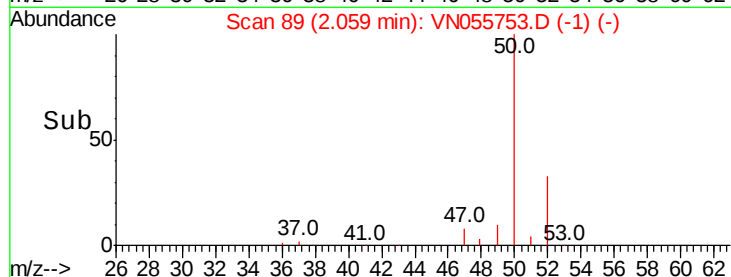
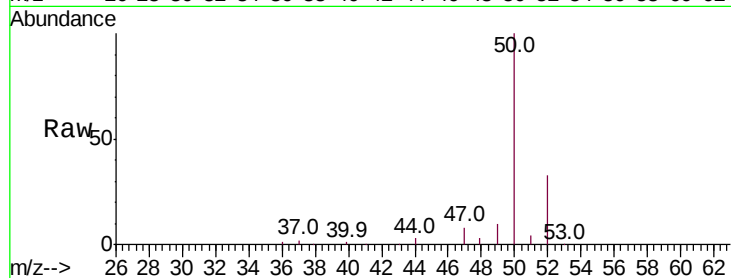
52 32.9 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

5/24/2019 9:22:28 AM



#4

Vinyl Chloride

Concen: 45.305 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055753.D

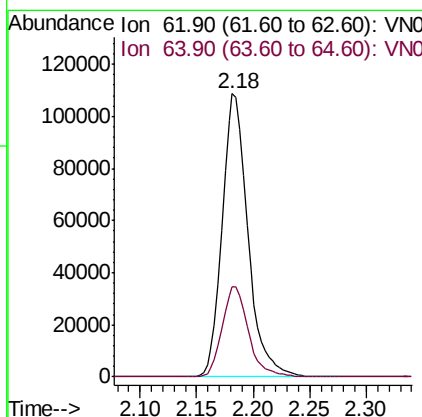
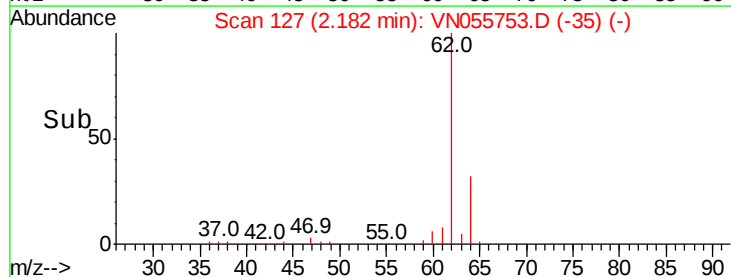
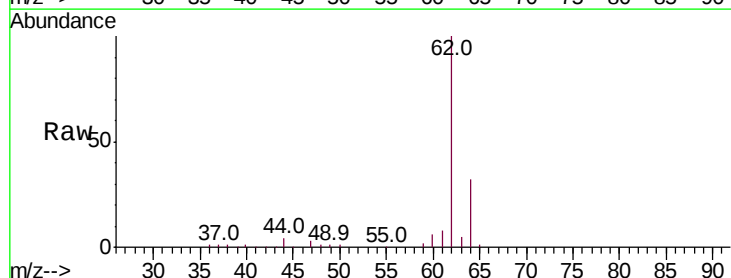
Acq: 23 May 2019 14:56

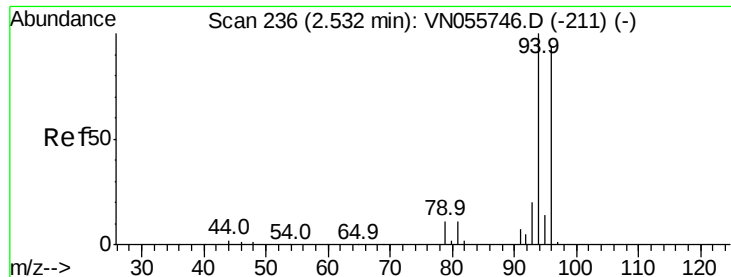
Tgt Ion: 62 Resp: 173015

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 49.784 ug/l m

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 118942

Ion Ratio Lower Upper

94 100

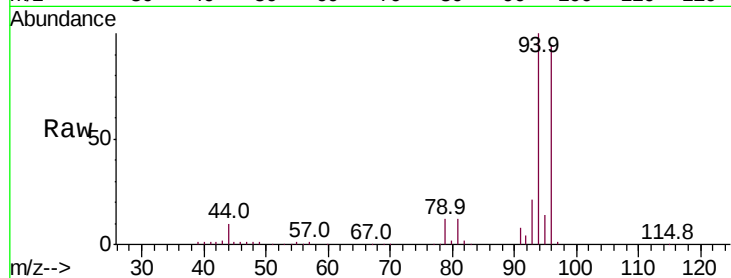
96 94.3 75.5 113.3

Manual Integrations

APPROVED

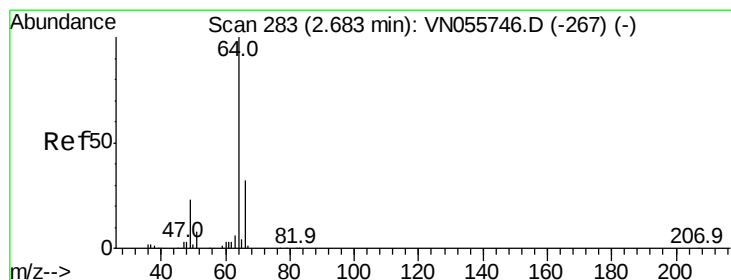
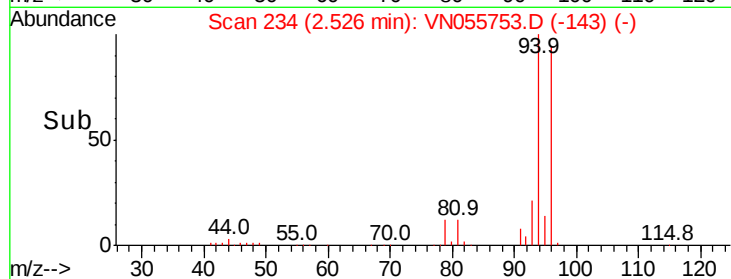
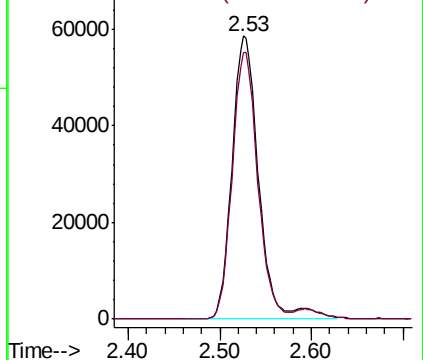
MMDadoda

5/24/2019 9:22:28 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.920 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN055753.D

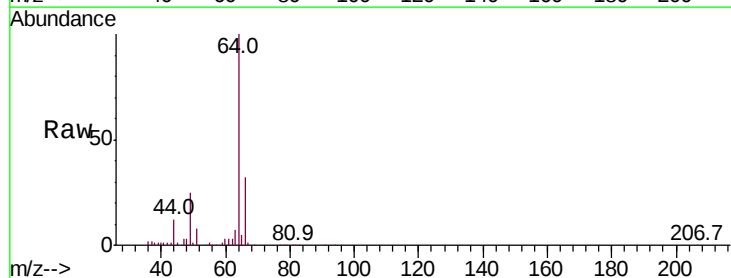
Acq: 23 May 2019 14:56

Tgt Ion: 64 Resp: 107880

Ion Ratio Lower Upper

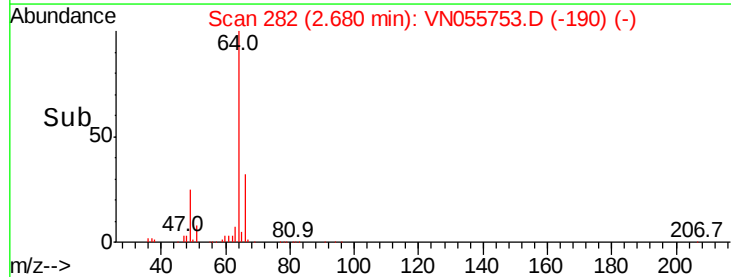
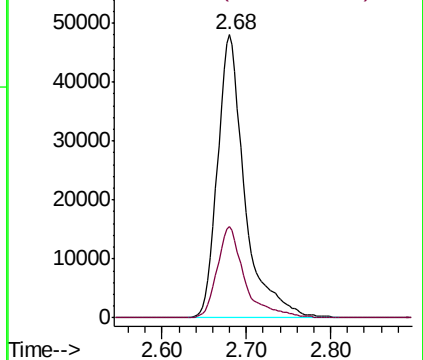
64 100

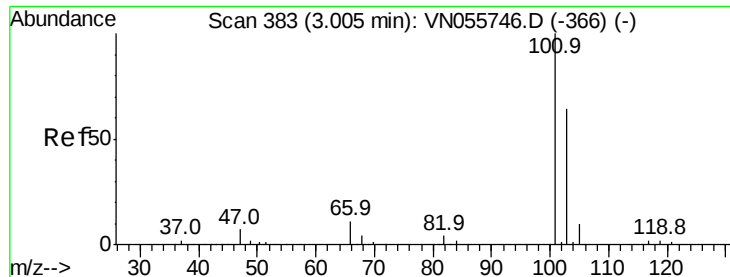
66 32.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

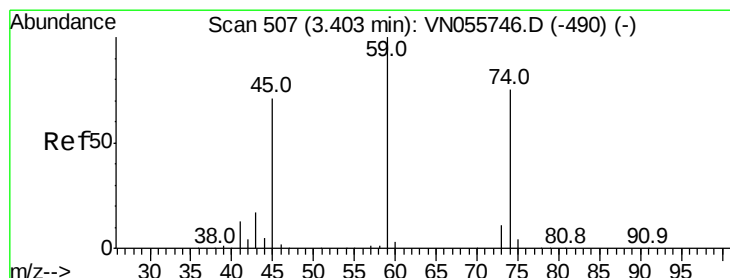
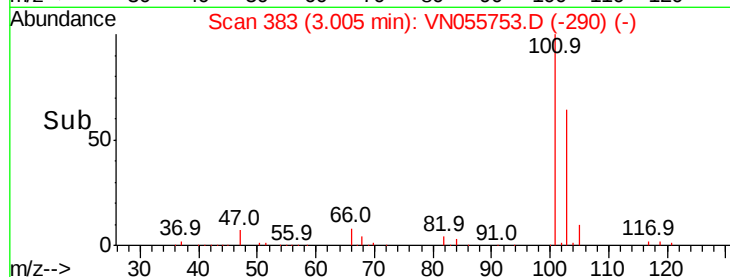
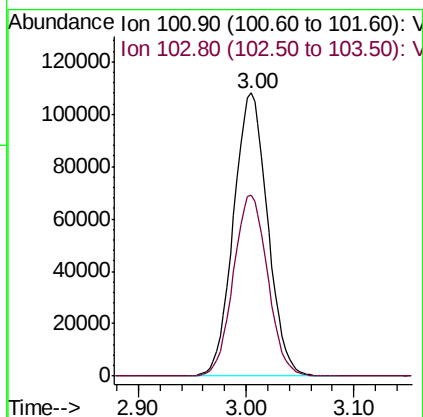
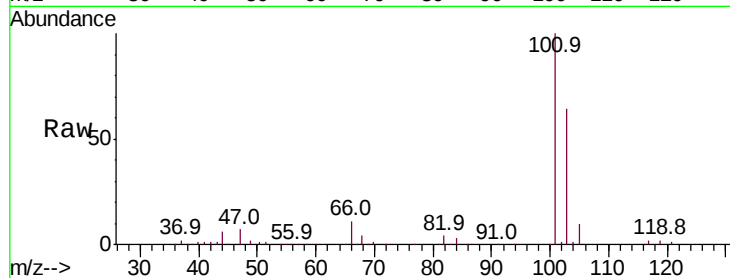
Trichlorofluoromethane
 Concen: 47.284 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.2	76.8

Manual Integrations
 APPROVED

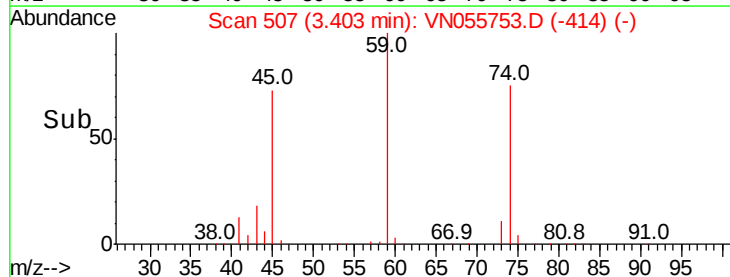
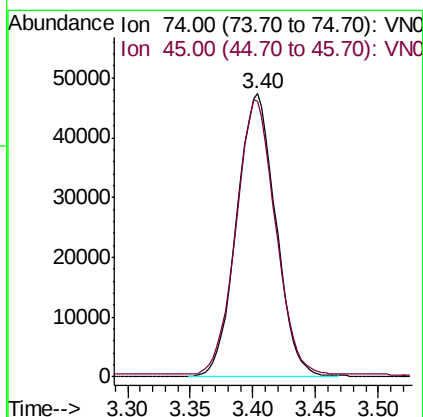
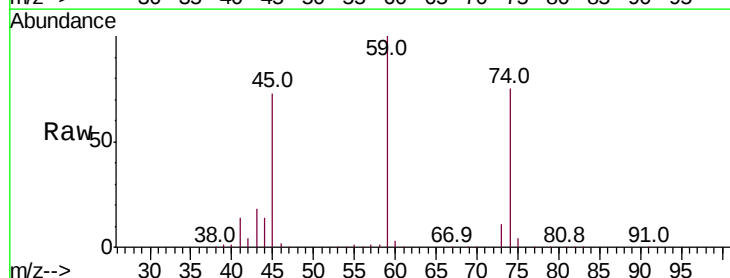
MMDadoda
 5/24/2019 9:22:28 AM

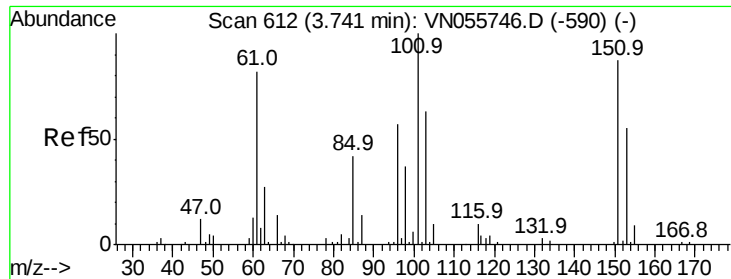


#8

Diethyl Ether
 Concen: 45.838 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.737 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

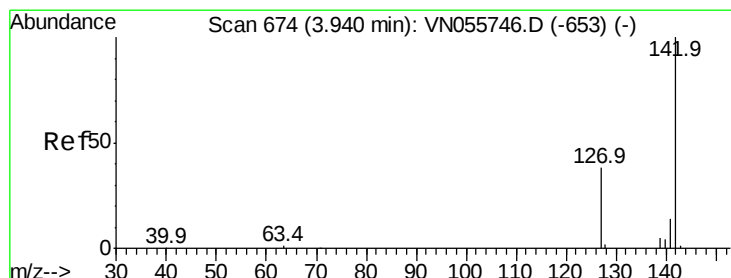
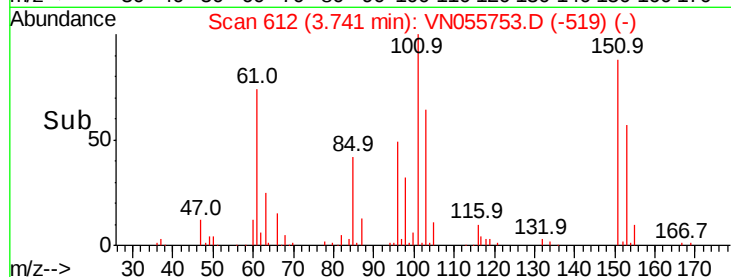
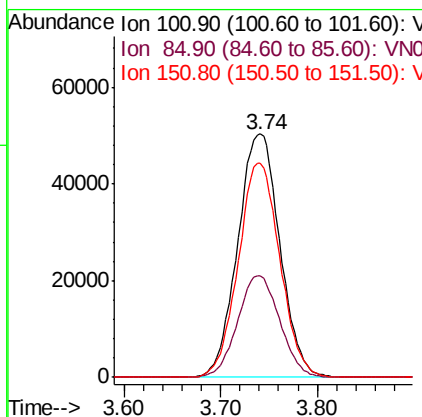
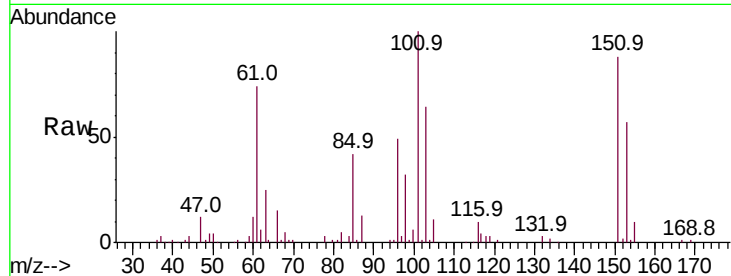
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	152320
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.4	50.2
151	87.0	69.4	104.2

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:28 AM



#10

Methyl Iodide

Concen: 48.578 ug/l

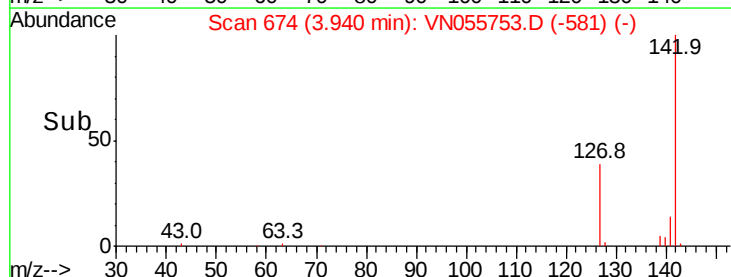
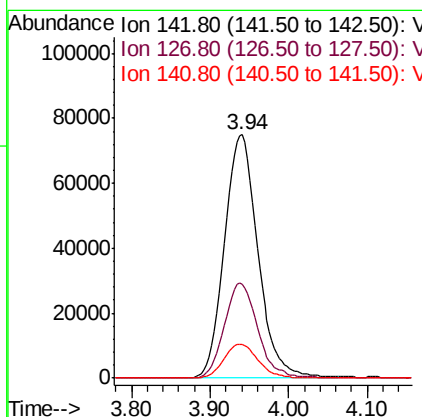
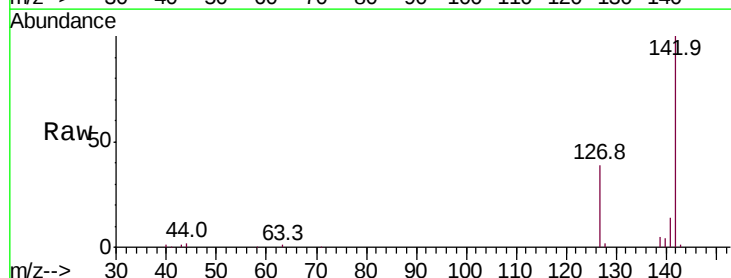
RT: 3.94 min Scan# 674

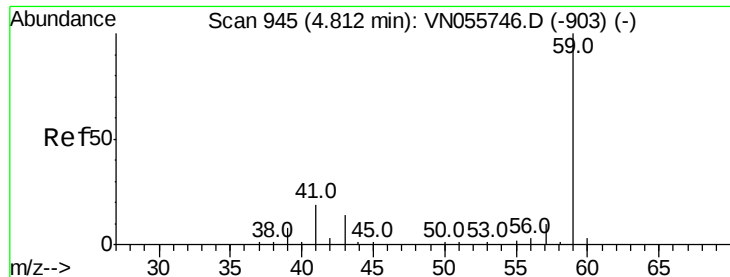
Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Tgt Ion:	142	Resp:	221968
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.0	46.4
141	14.2	11.4	17.0





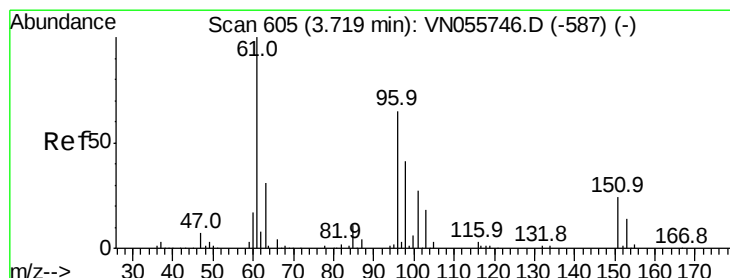
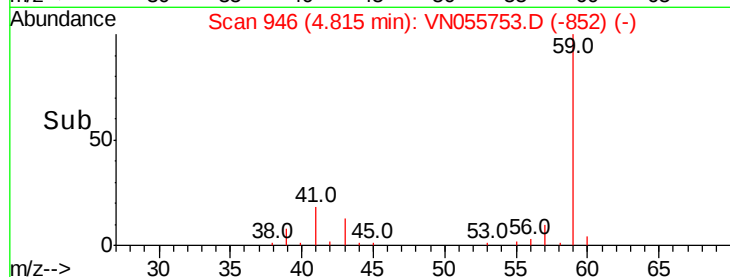
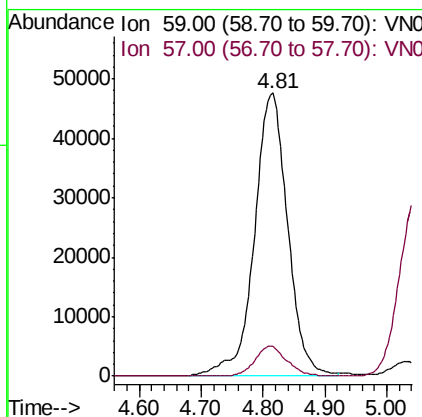
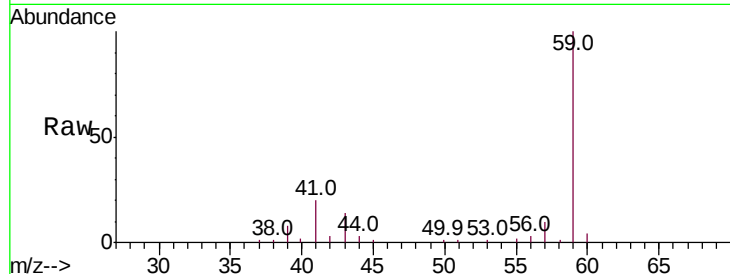
#11
Tert butyl alcohol
Concen: 237.689 ug/l
RT: 4.81 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 59 Resp: 178084
Ion Ratio Lower Upper
59 100
57 10.1 7.8 11.6

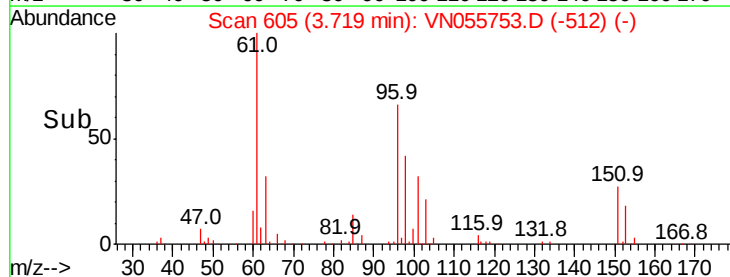
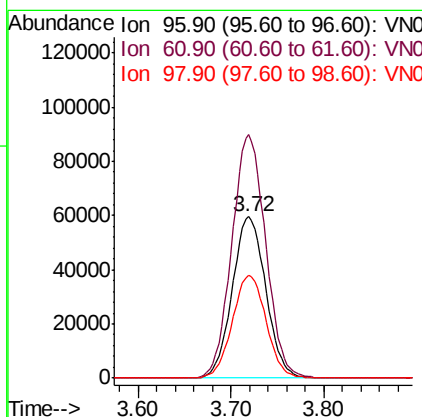
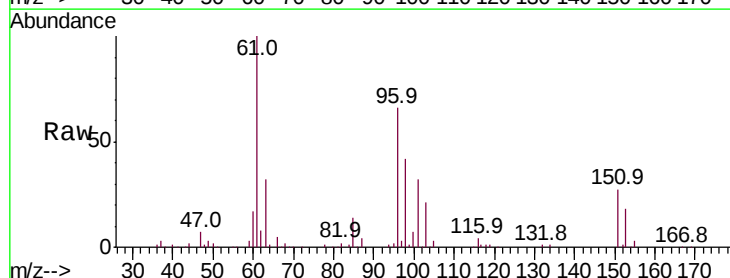
Manual Integrations
APPROVED

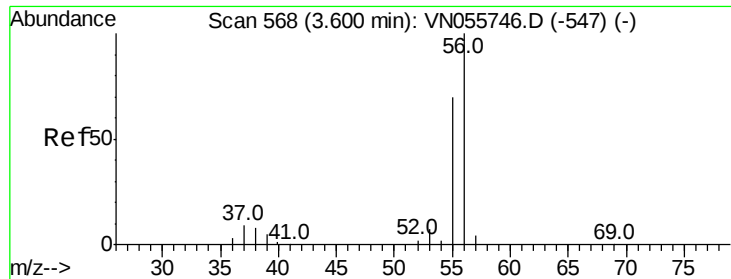
MMDadoda
5/24/2019 9:22:28 AM



#12
1,1-Dichloroethene
Concen: 46.370 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 96 Resp: 149741
Ion Ratio Lower Upper
96 100
61 150.7 123.2 184.8
98 63.4 50.4 75.6





#13

Acrolein

Concen: 217.072 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 116455

Ion Ratio Lower Upper

56 100

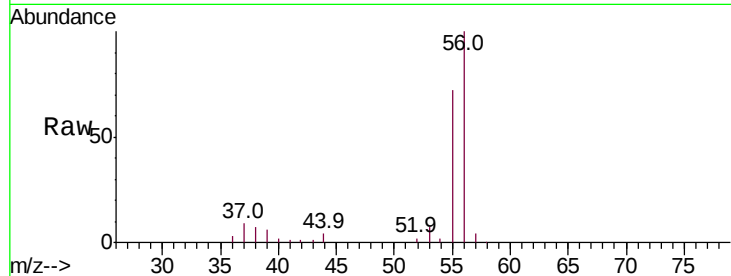
55 69.8 55.4 83.2

Manual Integrations

APPROVED

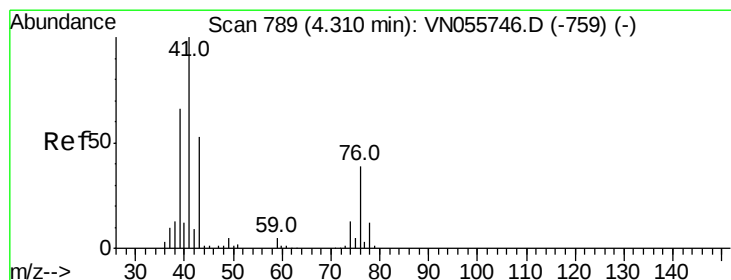
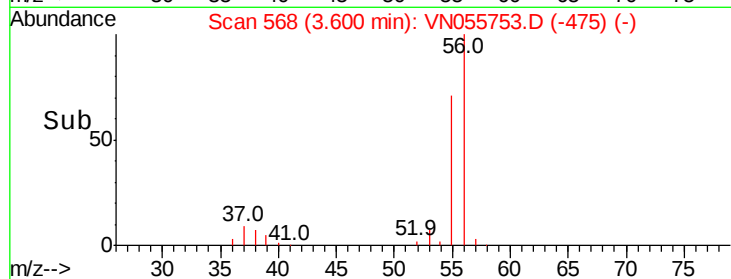
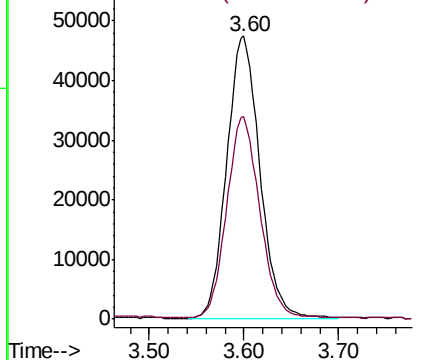
MMDadoda

5/24/2019 9:22:28 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.635 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

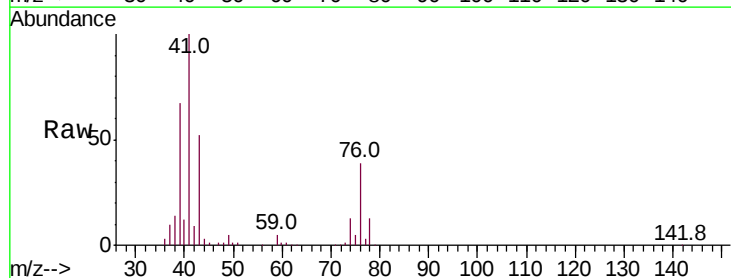
Tgt Ion: 41 Resp: 258171

Ion Ratio Lower Upper

41 100

39 62.5 50.0 75.0

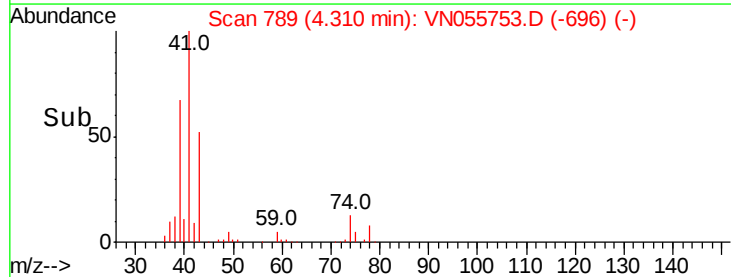
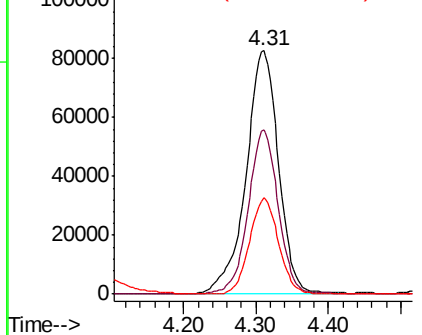
76 35.2 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 232.197 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

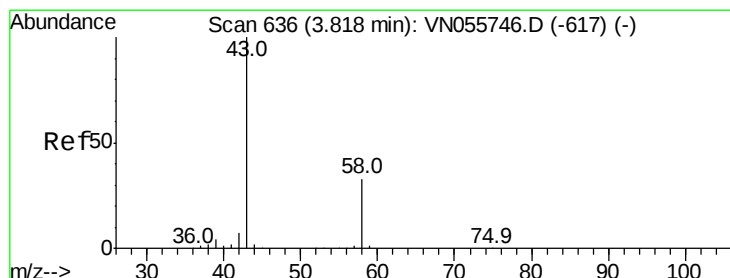
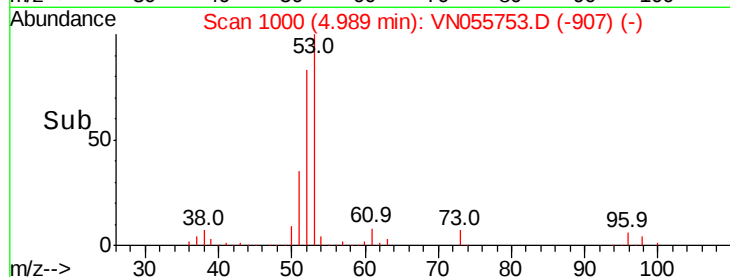
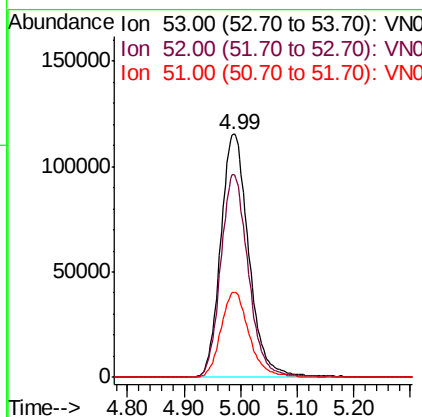
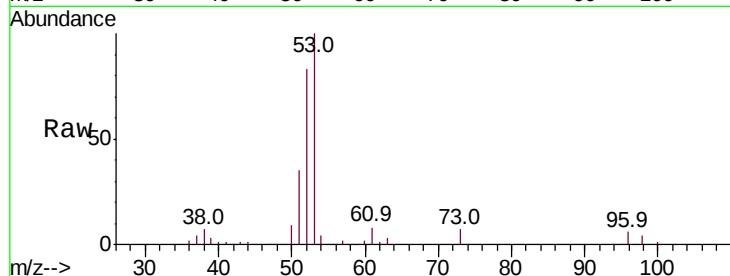
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	399479
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.8	98.8
51	35.2	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:28 AM



#16

Acetone

Concen: 237.517 ug/l

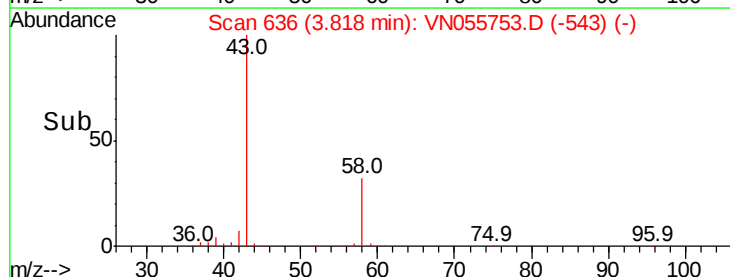
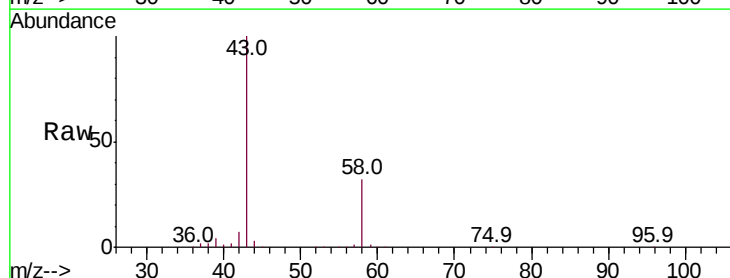
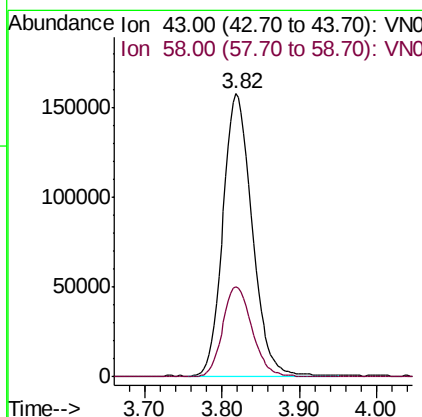
RT: 3.82 min Scan# 636

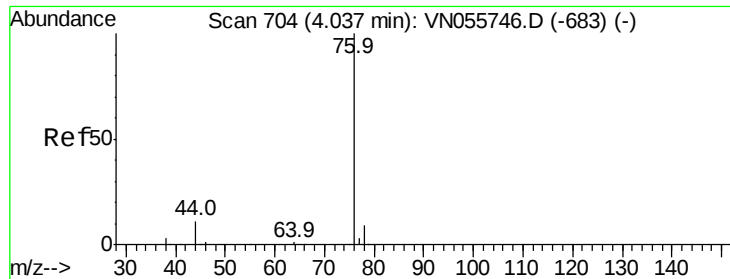
Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Tgt Ion:	43	Resp:	409413
Ion	Ratio	Lower	Upper
43	100		
58	32.1	26.6	39.8





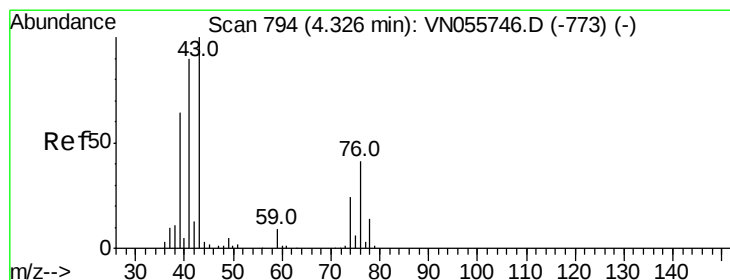
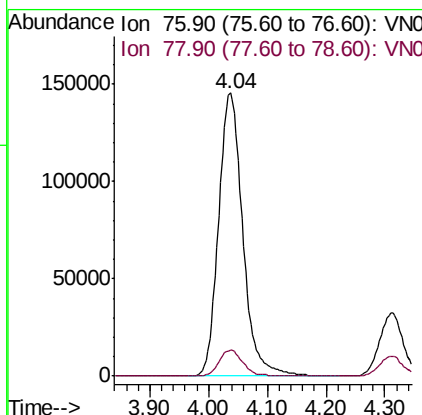
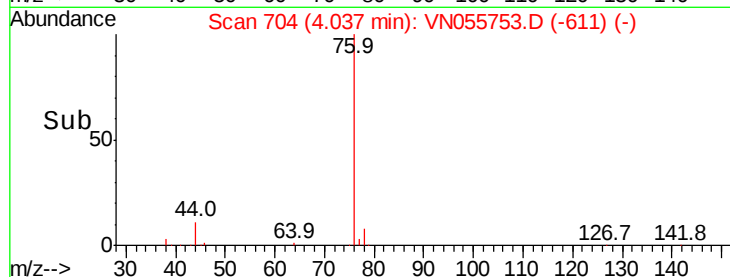
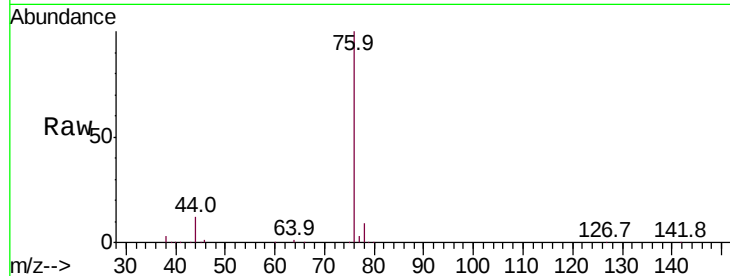
#17
Carbon Disulfide
Concen: 45.248 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 415148
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

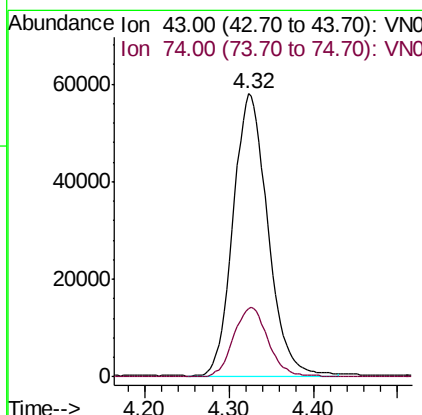
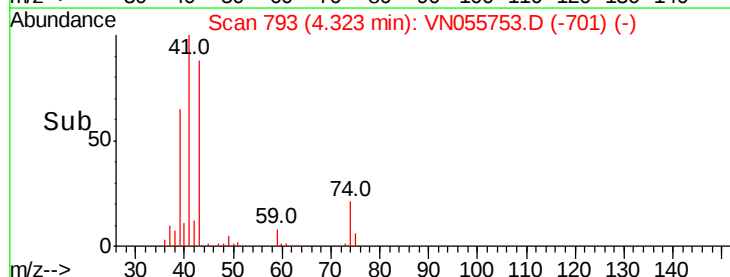
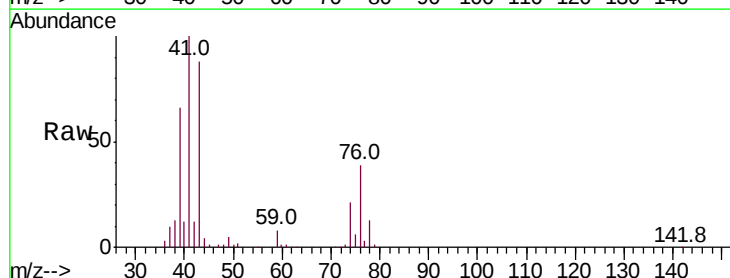
Manual Integrations
APPROVED

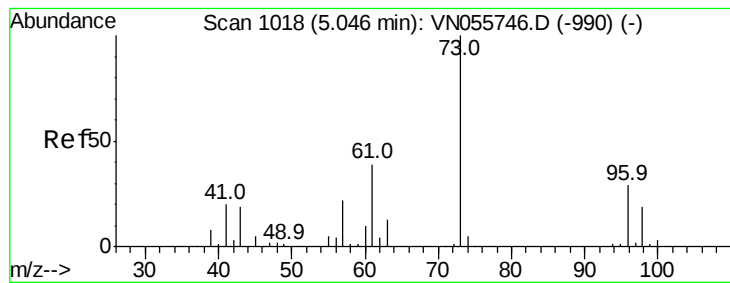
MMDadoda
5/24/2019 9:22:28 AM



#18
Methyl Acetate
Concen: 47.163 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 43 Resp: 165522
Ion Ratio Lower Upper
43 100
74 24.6 19.3 28.9





#19

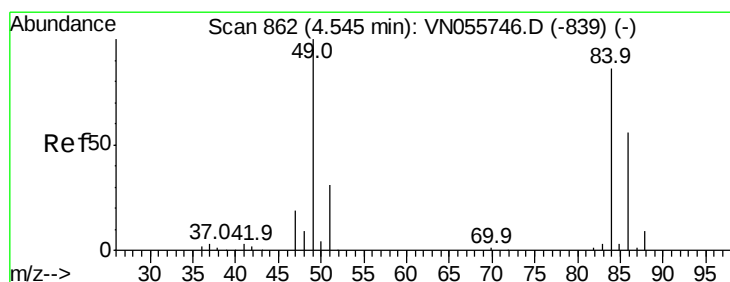
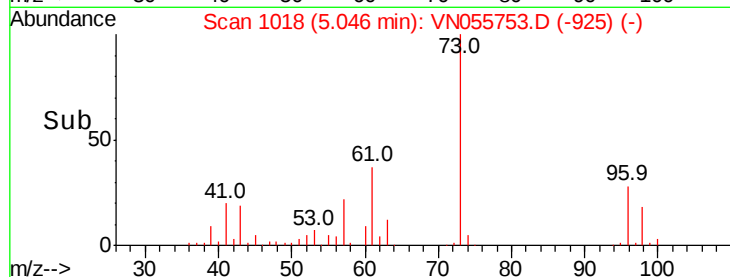
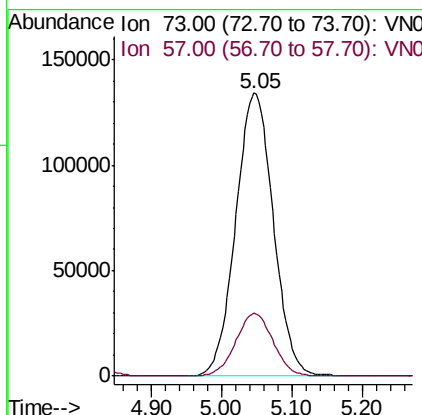
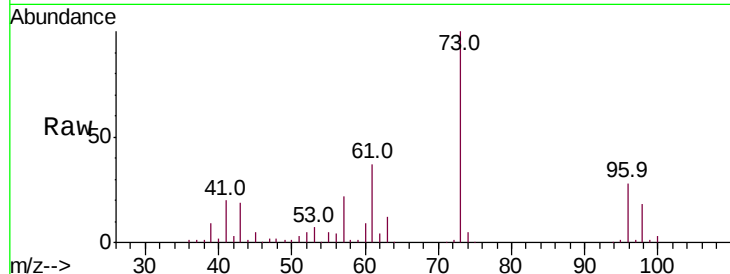
Methyl tert-butyl Ether
 Concen: 46.304 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.8	26.8

Manual Integrations
 APPROVED

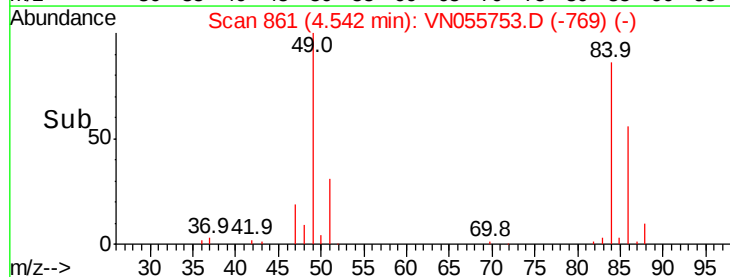
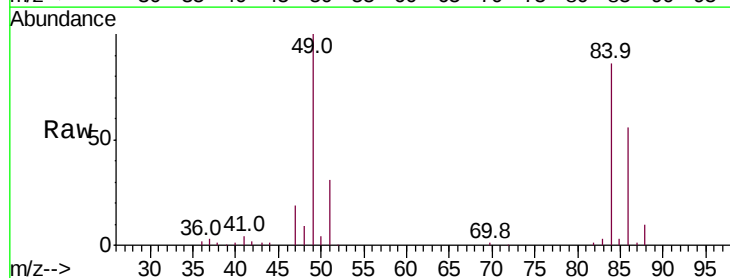
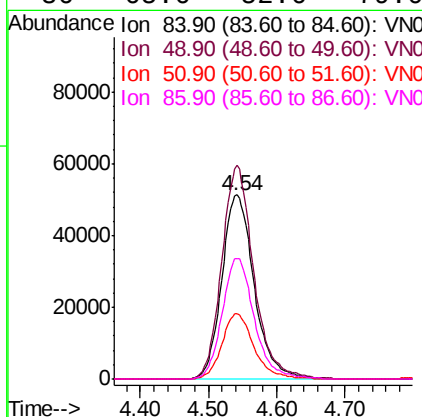
MMDadoda
 5/24/2019 9:22:28 AM

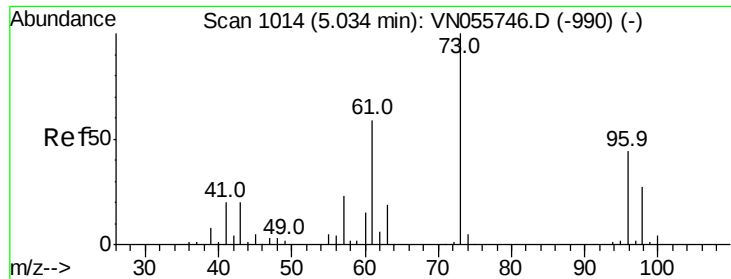


#20

Methylene Chloride
 Concen: 45.398 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.1	93.5	140.3
51	35.5	28.6	43.0
86	65.6	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 46.587 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 161626

Ion Ratio Lower Upper

96 100

61 134.6 107.8 161.8

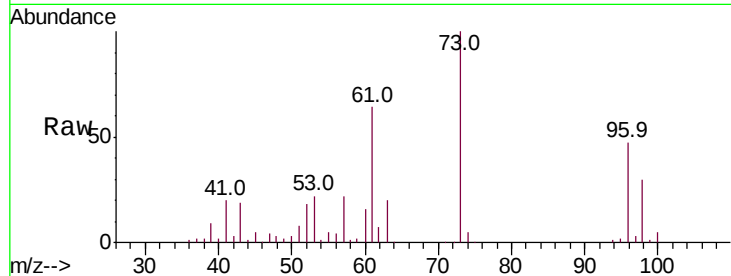
98 63.2 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

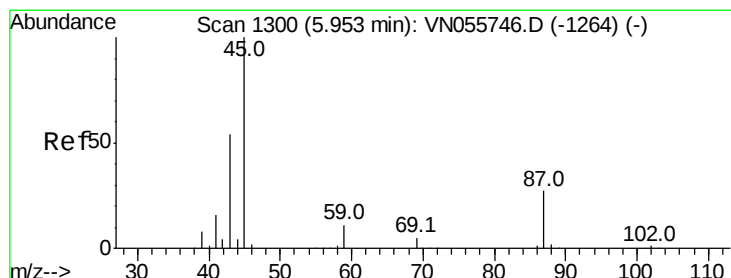
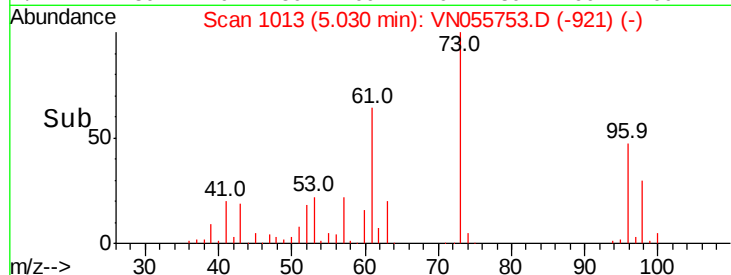
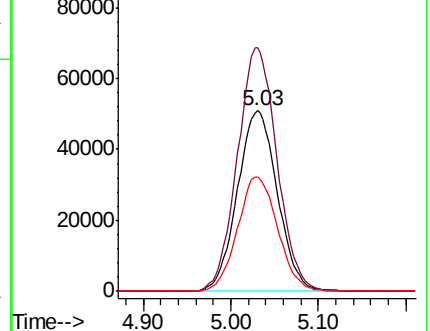
5/24/2019 9:22:28 AM



Abundance Ion 95.90 (95.60 to 96.60): VN055746.D (-990) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-990) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-990) (-)



#22

Diisopropyl ether

Concen: 45.971 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Tgt Ion: 45 Resp: 494979

Ion Ratio Lower Upper

45 100

43 56.1 45.0 67.6

87 29.2 22.2 33.4

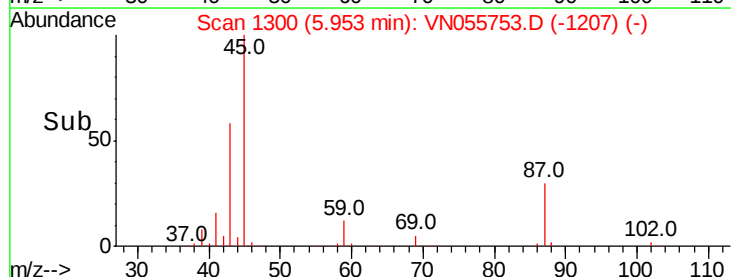
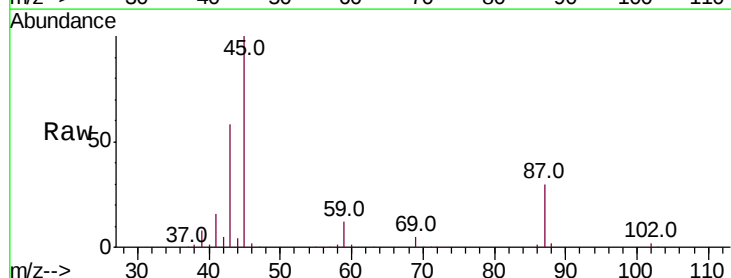
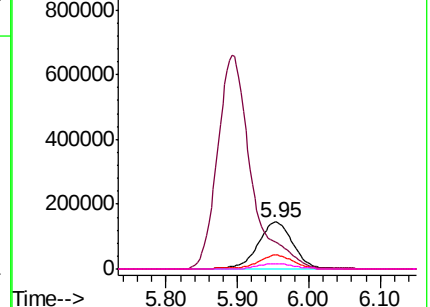
59 11.6 9.1 13.7

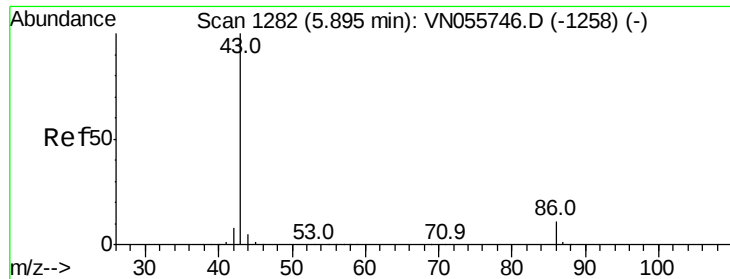
Abundance Ion 45.00 (44.70 to 45.70): VN055746.D (-1264) (-)

Ion 43.00 (42.70 to 43.70): VN055746.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN055746.D (-1264) (-)





#23

Vinyl Acetate

Concen: 235.257 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

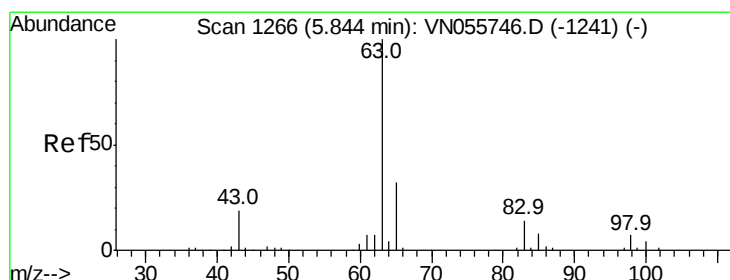
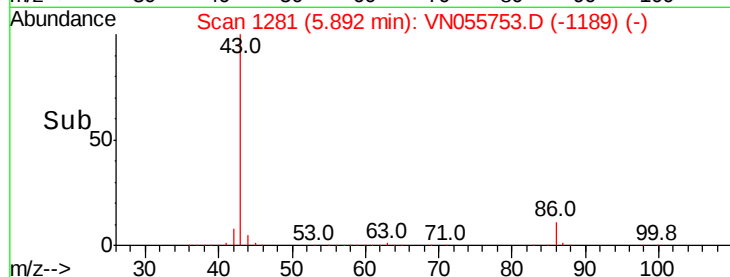
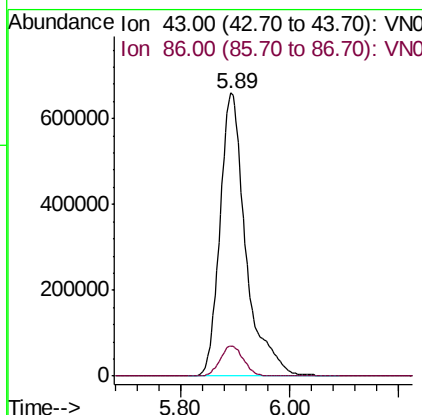
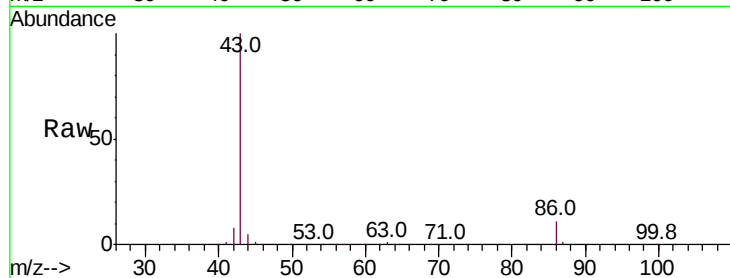
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2171829

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:28 AM



#24

1,1-Dichloroethane

Concen: 46.046 ug/l

RT: 5.84 min Scan# 1266

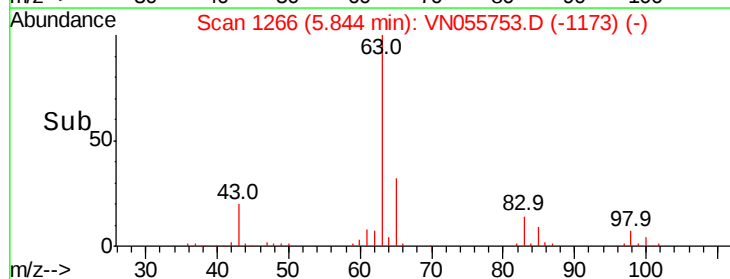
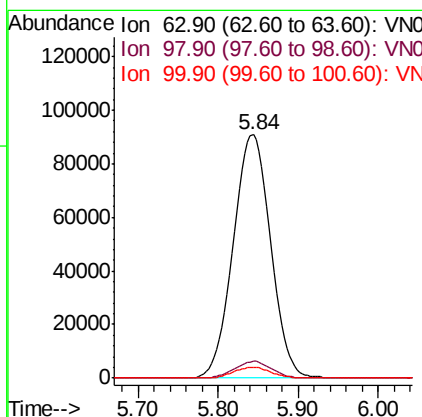
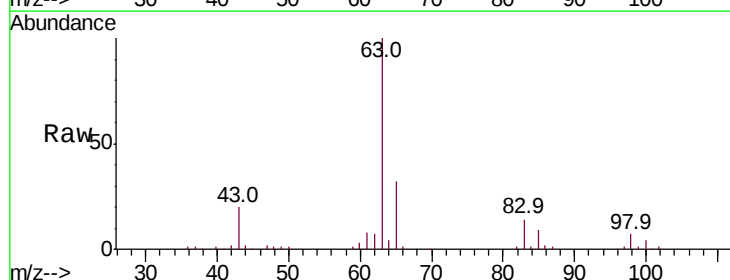
Delta R.T. 0.00 min

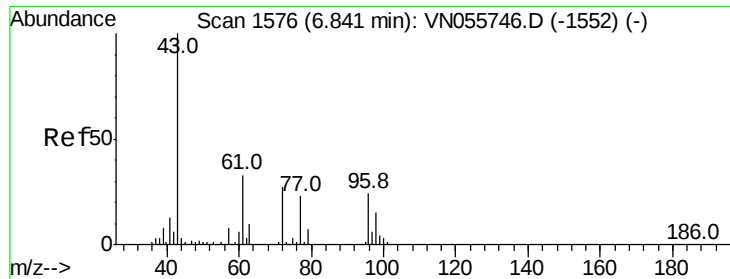
Lab File: VN055753.D

Acq: 23 May 2019 14:56

Tgt Ion: 63 Resp: 288666

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.1
100	4.3	2.2	6.6





#25

2-Butanone

Concen: 235.842 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 567746

Ion Ratio Lower Upper

43 100

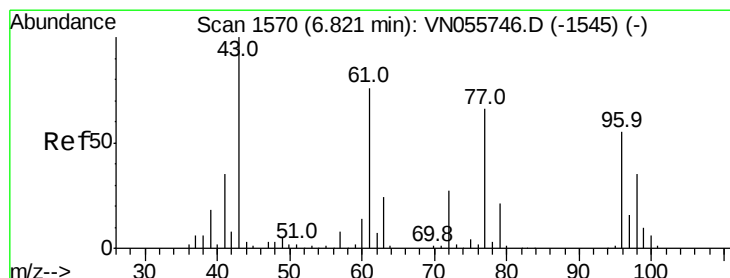
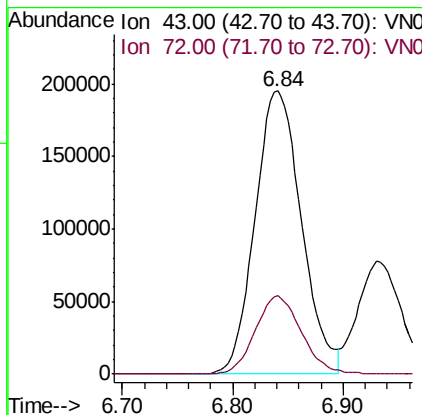
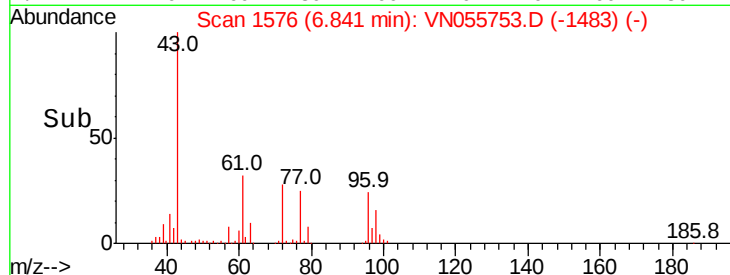
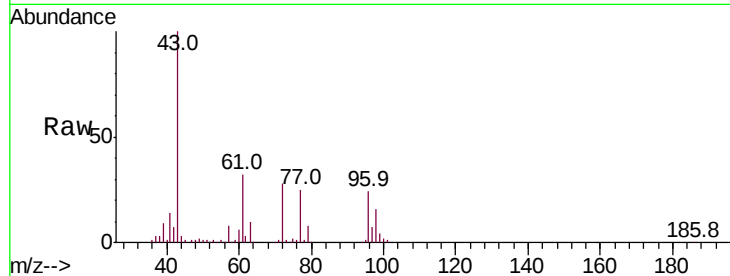
72 27.6 21.9 32.9

Manual Integrations

APPROVED

MMDadoda

5/24/2019 9:22:28 AM



#26

2,2-Dichloropropane

Concen: 47.089 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN055753.D

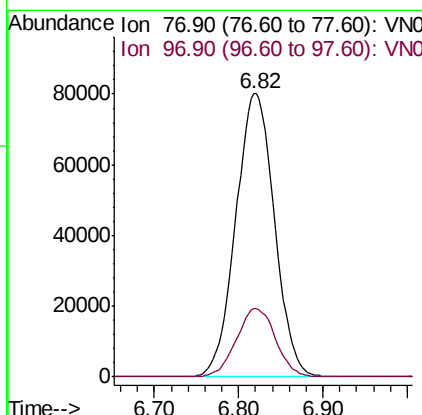
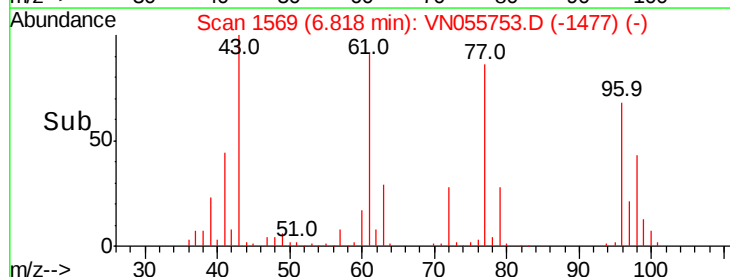
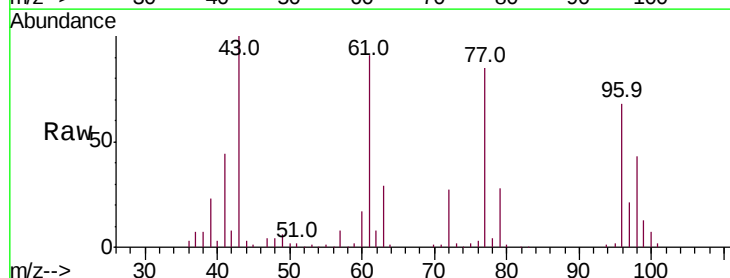
Acq: 23 May 2019 14:56

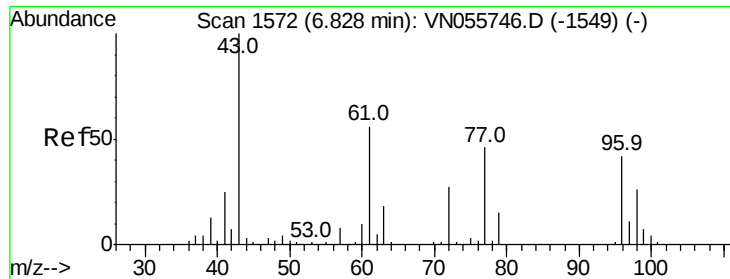
Tgt Ion: 77 Resp: 255483

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





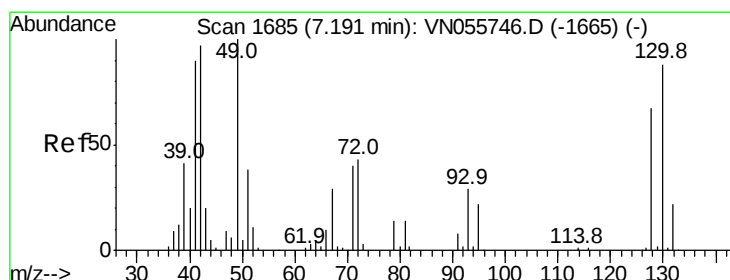
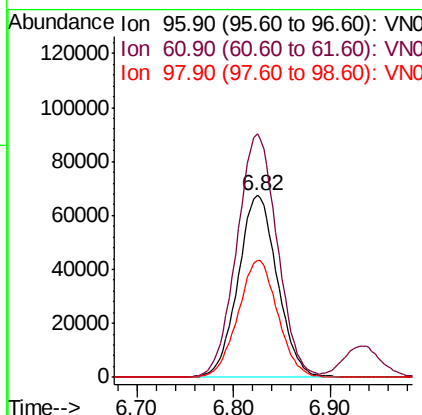
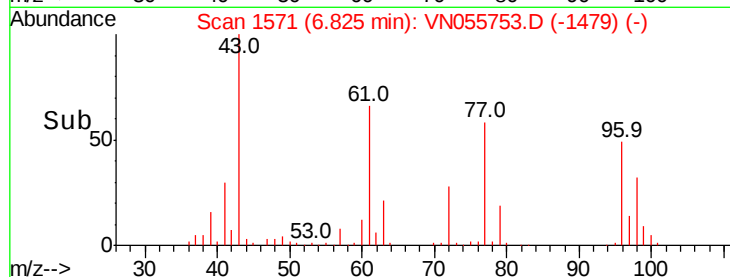
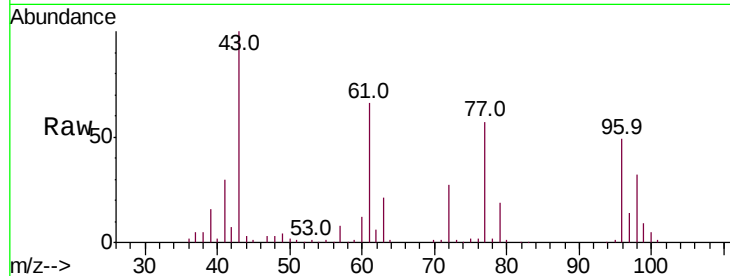
#27
 cis-1,2-Dichloroethene
 Concen: 47.039 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	190395		
61	137.6	0.0	275.8	
98	65.0	0.0	128.4	

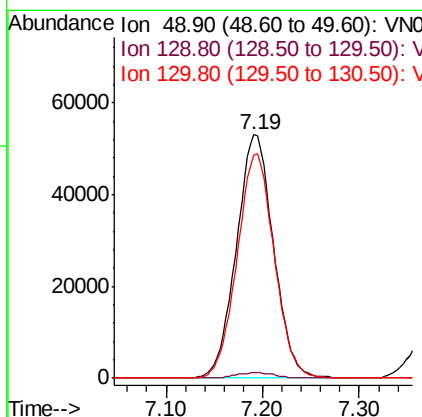
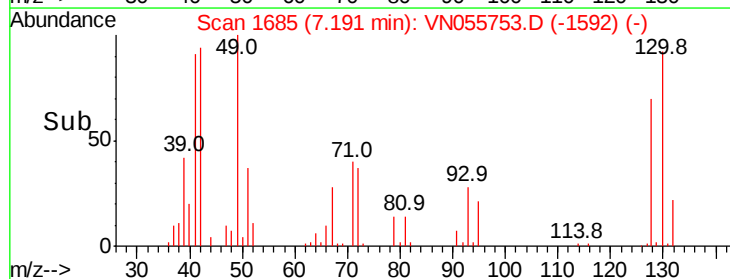
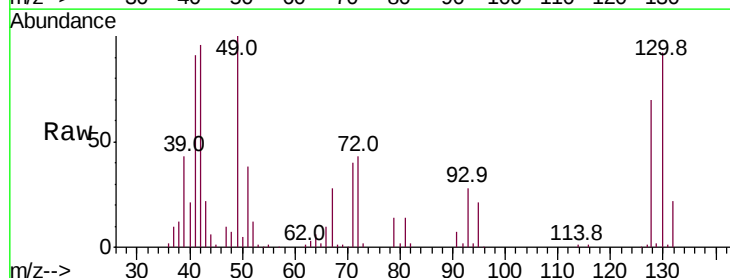
Manual Integrations
 APPROVED

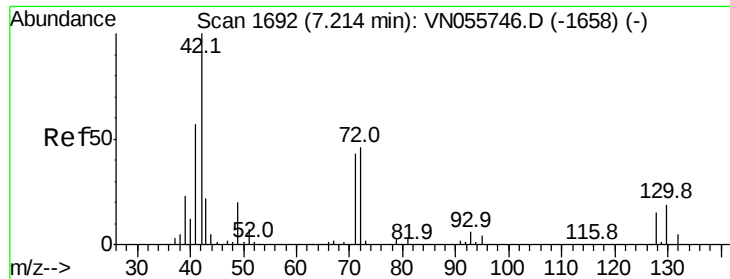
MMDadoda
 5/24/2019 9:22:28 AM



#28
 Bromochloromethane
 Concen: 47.407 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	141501		
129	2.2	0.0	4.4	
130	92.0	71.2	106.8	





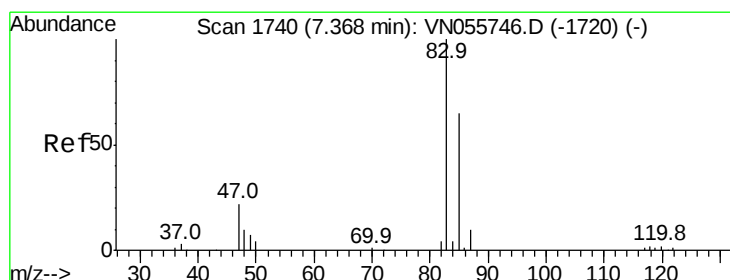
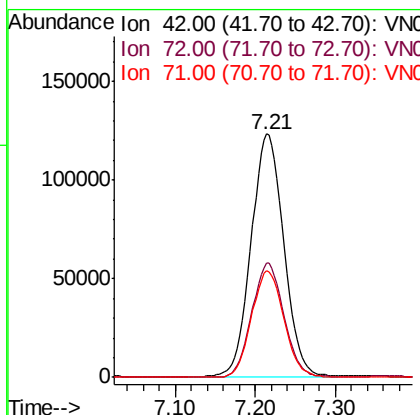
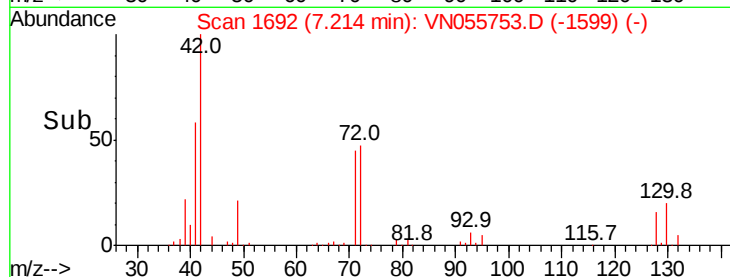
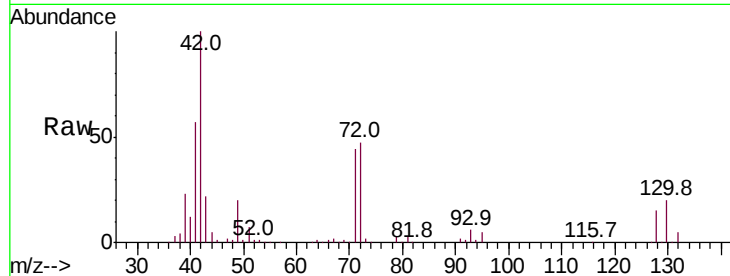
#29
Tetrahydrofuran
Concen: 227.382 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	35.9	53.9
71	43.0	34.0	51.0

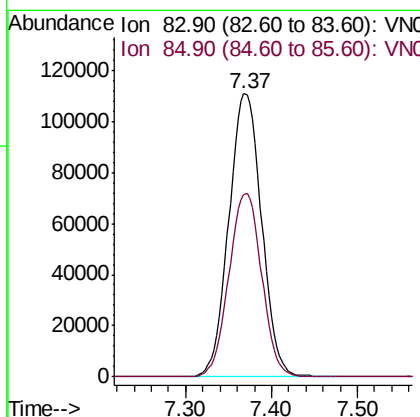
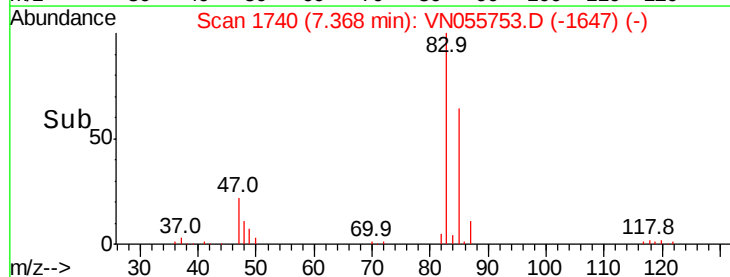
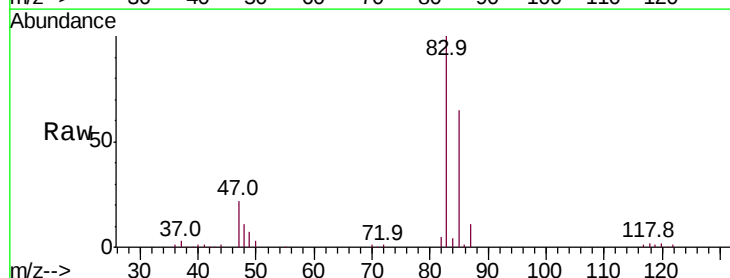
Manual Integrations
APPROVED

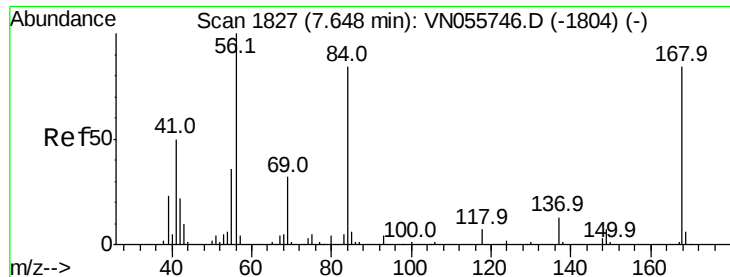
MMDadoda
5/24/2019 9:22:28 AM



#30
Chloroform
Concen: 46.896 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.8





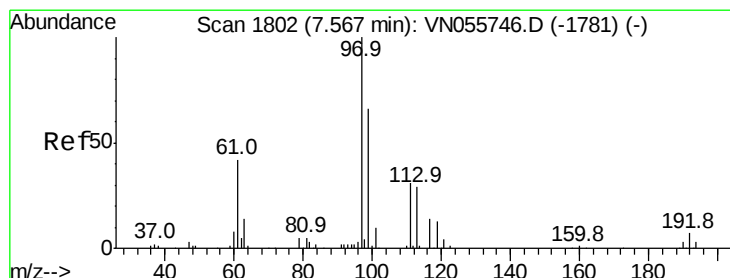
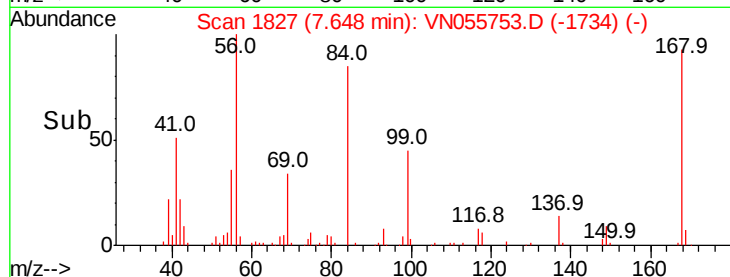
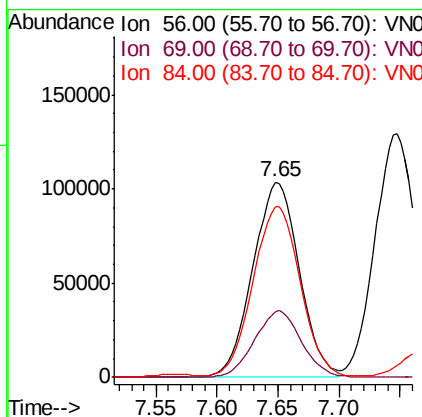
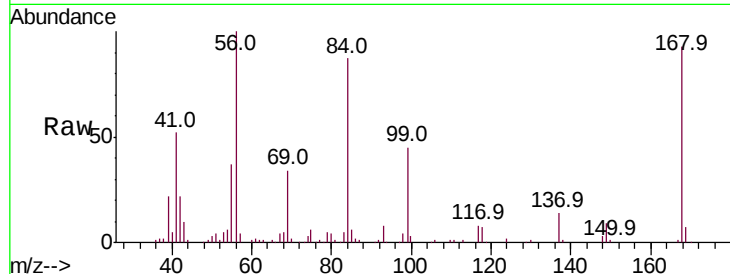
#31
Cyclohexane
Concen: 46.670 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	25.6	38.4
84	86.1	67.4	101.0

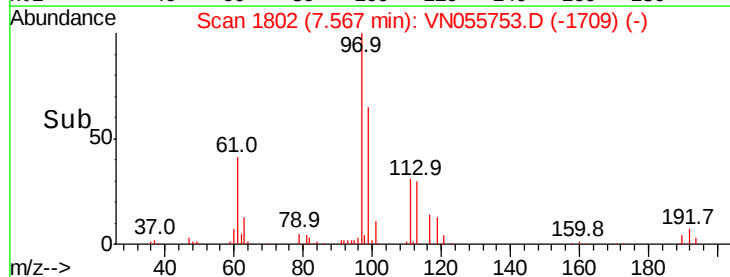
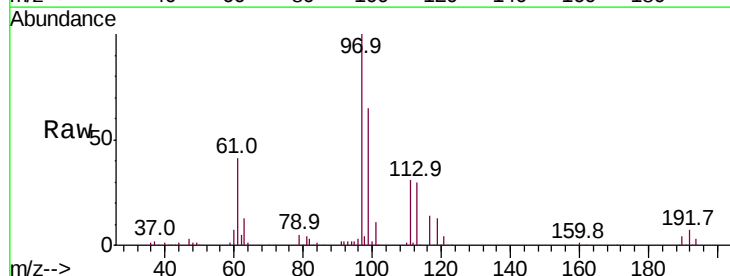
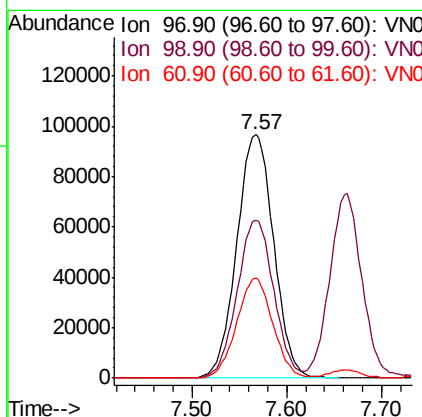
Manual Integrations
APPROVED

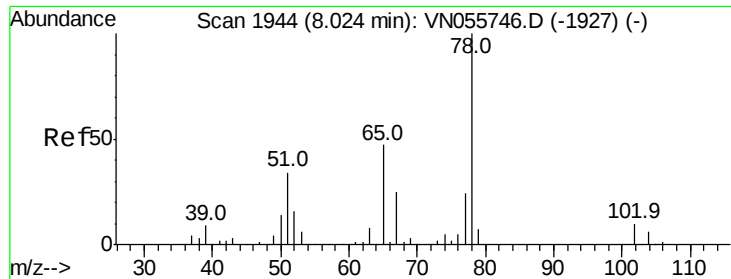
MMDadoda
5/24/2019 9:22:28 AM



#32
1,1,1-Trichloroethane
Concen: 47.030 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	40.2	32.9	49.3





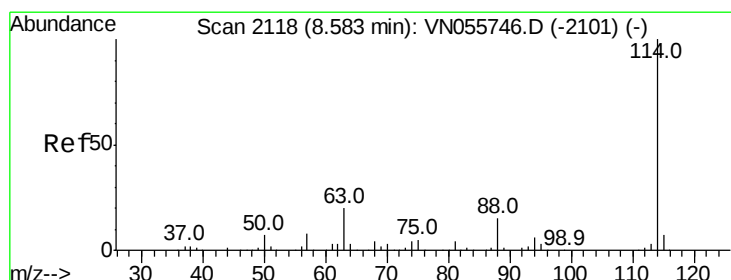
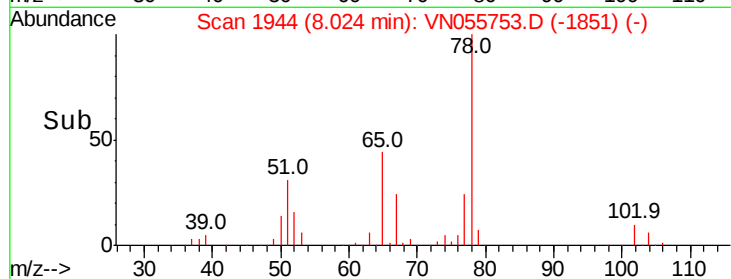
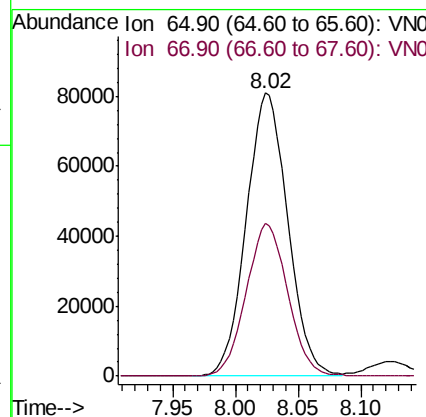
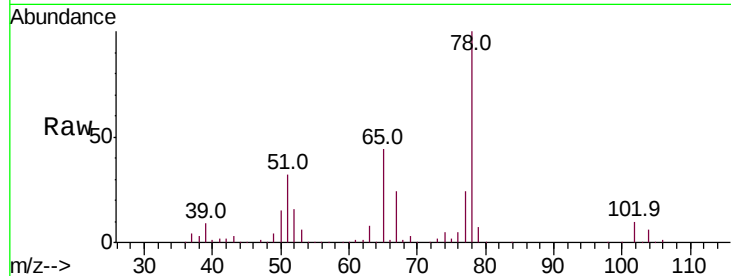
#33
 1,2-Dichloroethane-d4
 Concen: 47.564 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	186515		
67	53.9	0.0	109.2	

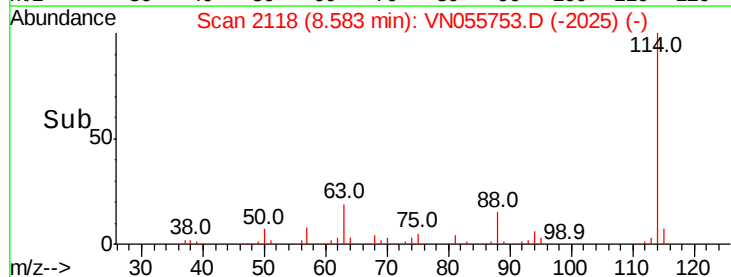
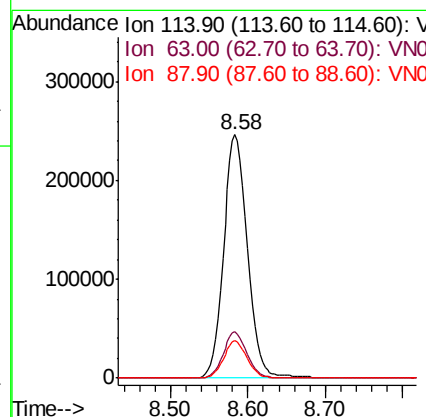
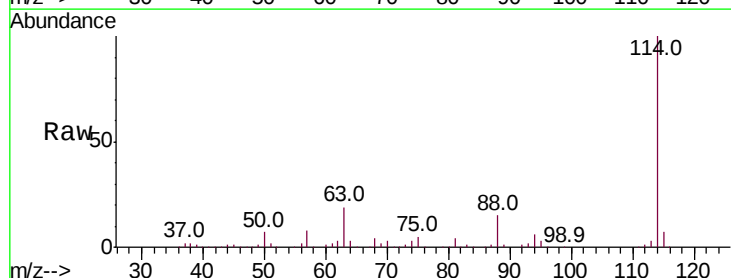
Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:22:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	528317		
63	19.0	0.0	39.2	
88	15.4	0.0	31.0	





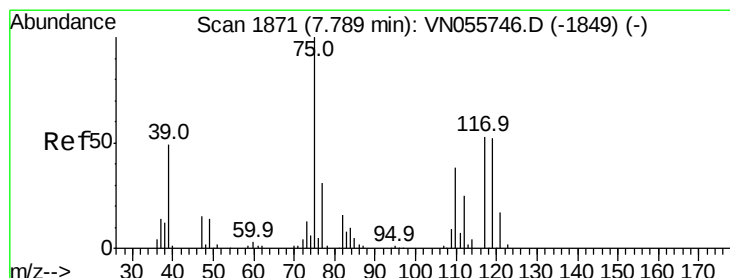
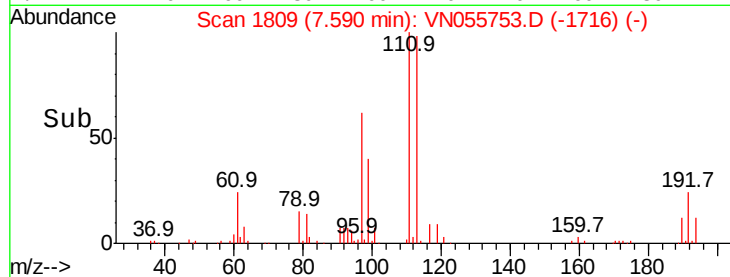
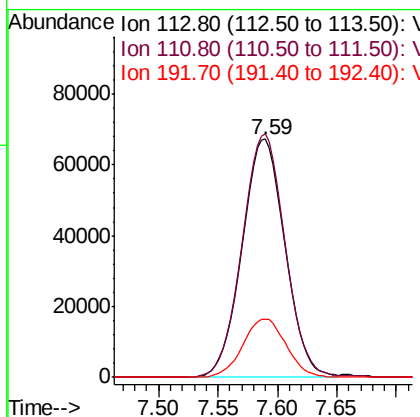
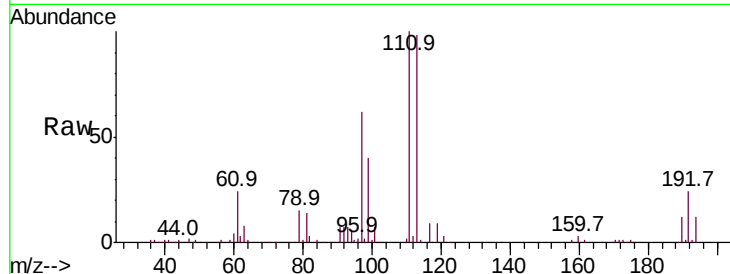
#35
 Dibromofluoromethane
 Concen: 50.428 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.9	122.9
192	24.7	19.5	29.3

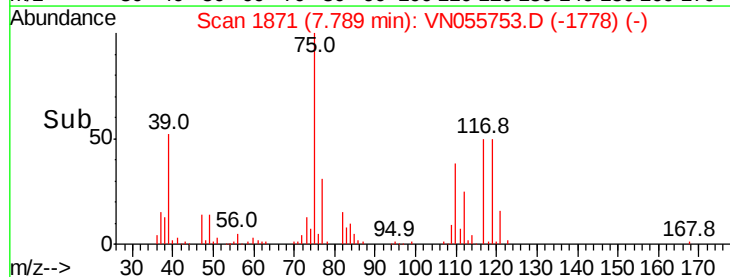
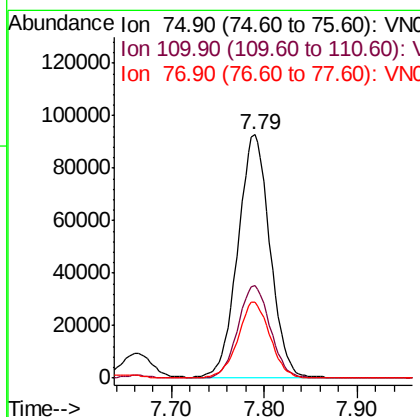
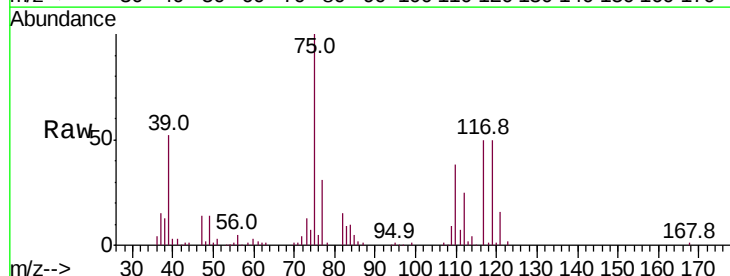
Manual Integrations
 APPROVED

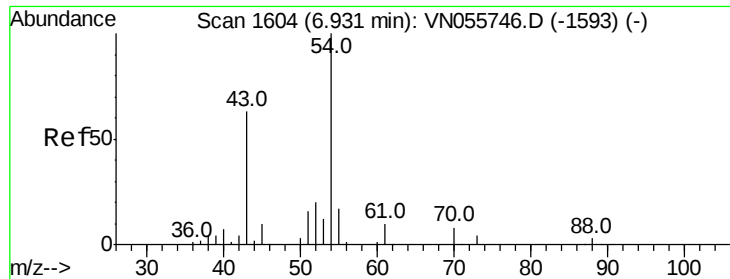
MMDadoda
 5/24/2019 9:22:28 AM



#36
 1,1-Dichloropropene
 Concen: 48.159 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	19.0	57.0
77	31.6	25.1	37.7





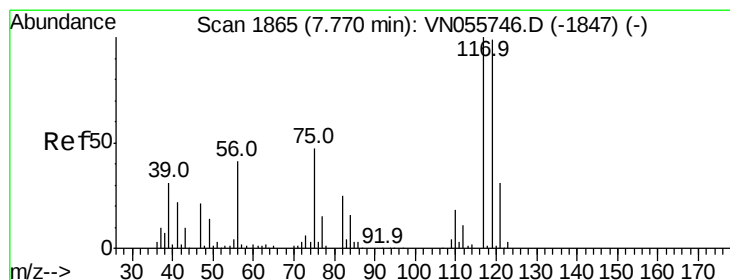
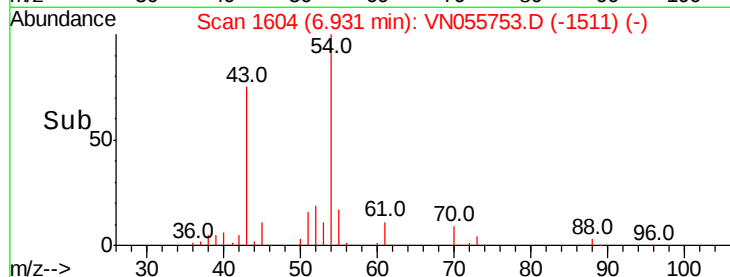
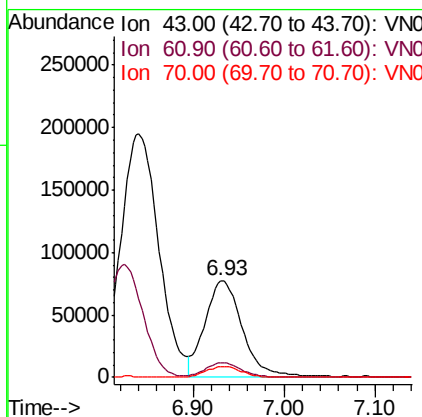
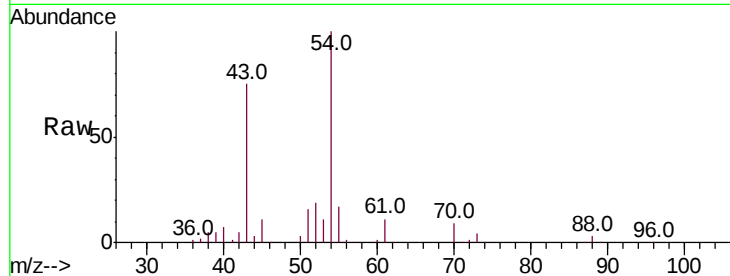
#37
Ethyl Acetate
Concen: 48.961 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Ion	43	61	70
Ratio	100	14.6	11.0
Lower		12.2	8.9
Upper		18.2	13.3

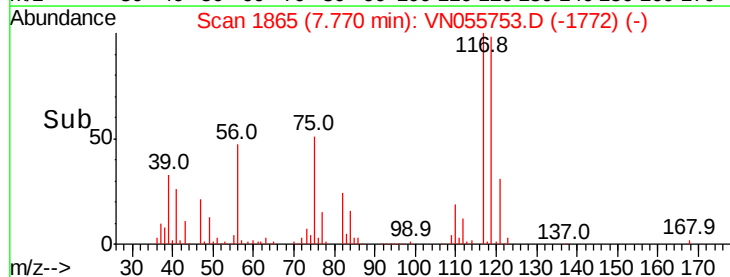
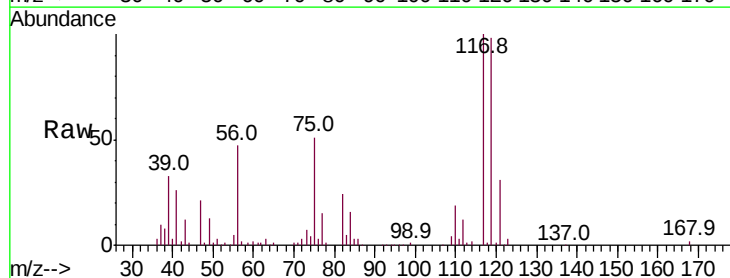
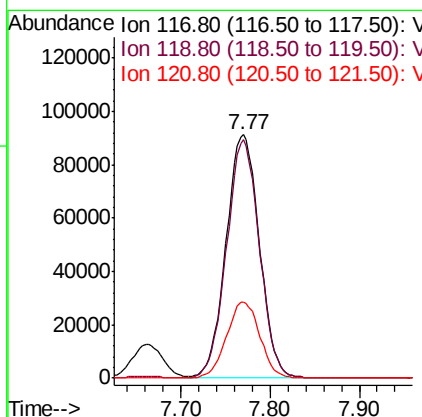
Manual Integrations
APPROVED

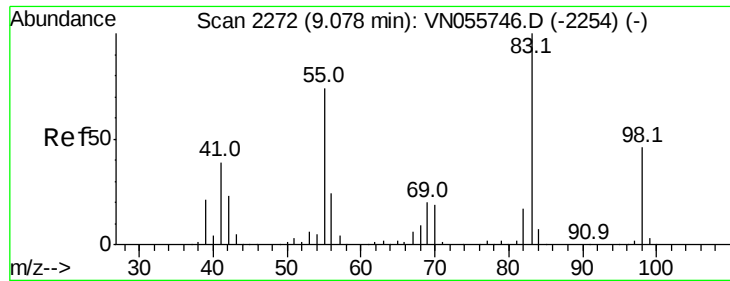
MMDadoda
5/24/2019 9:22:28 AM



#38
Carbon Tetrachloride
Concen: 49.407 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion	117	119	121
Ion	117	119	121
Ratio	100	97.8	31.3
Lower		79.0	24.7
Upper		118.6	37.1





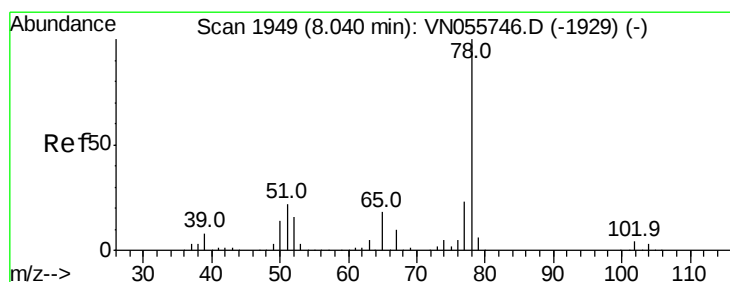
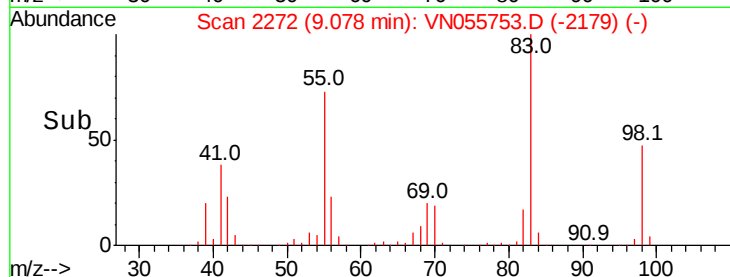
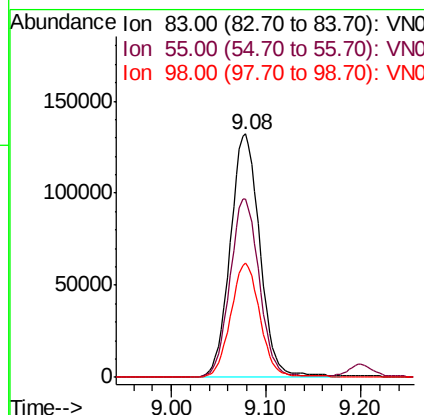
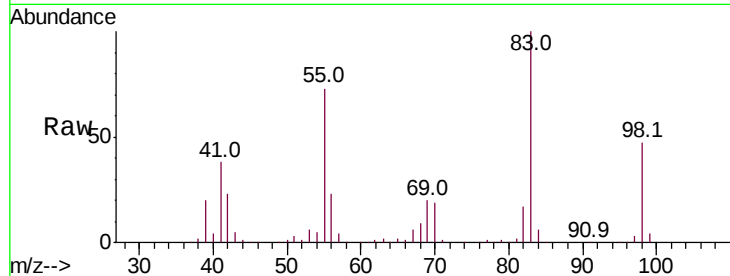
#39
Methvlcvclohexane
Concen: 50.611 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	288551		
55	73.1		59.3	88.9
98	46.8		36.6	54.8

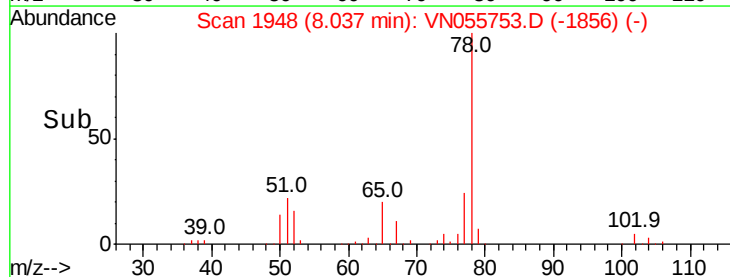
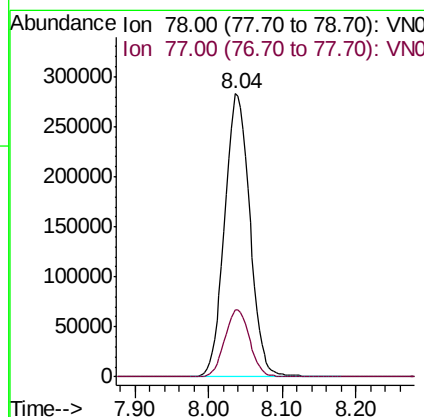
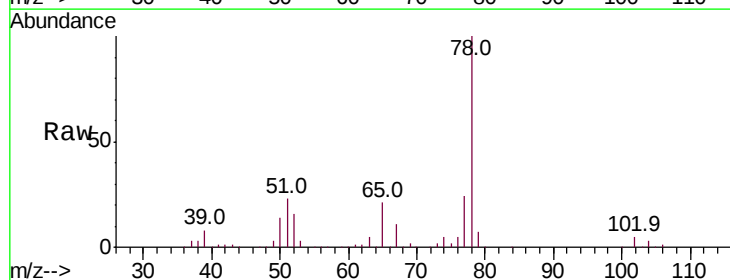
Manual Integrations
APPROVED

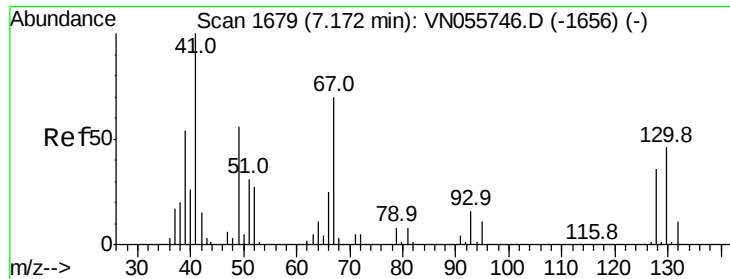
MMDadoda
5/24/2019 9:22:28 AM



#40
Benzene
Concen: 48.655 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	675121		
77	23.9		18.8	28.2





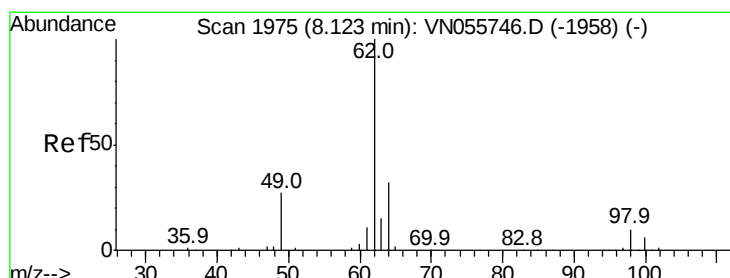
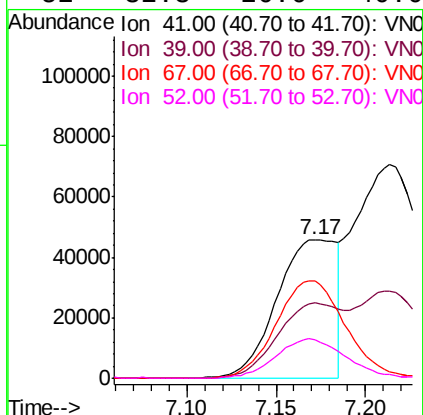
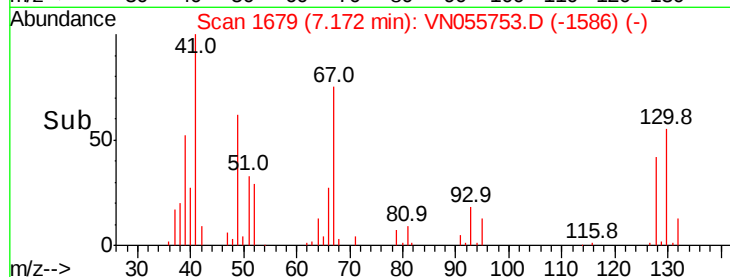
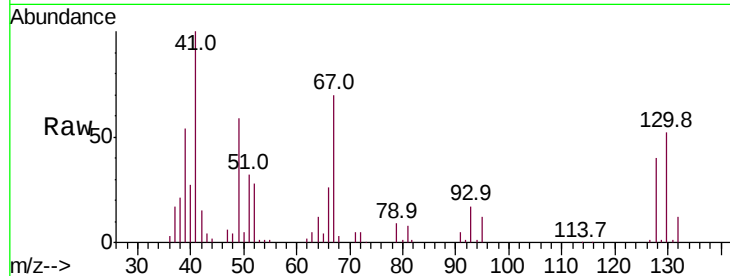
#41
Methacrylonitrile
Concen: 47.425 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	106614
Ion	Ratio	Lower	Upper
41	100		
39	56.5	45.6	68.4
67	81.9	67.7	101.5
52	32.3	26.6	40.0

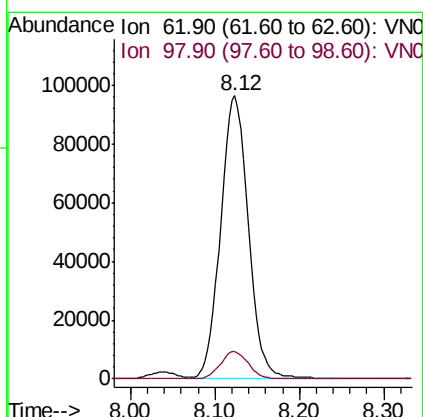
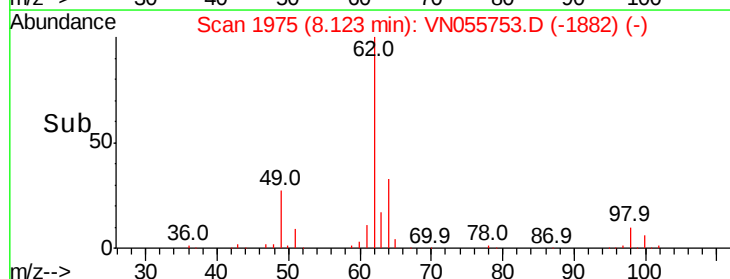
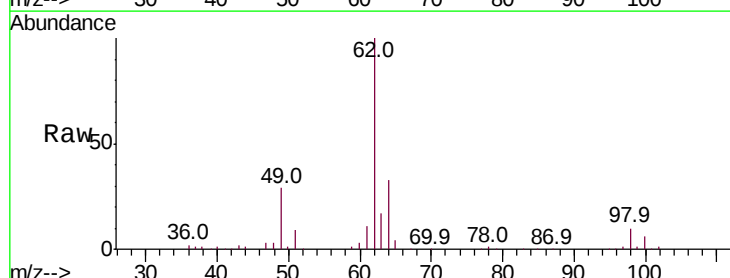
Manual Integrations
APPROVED

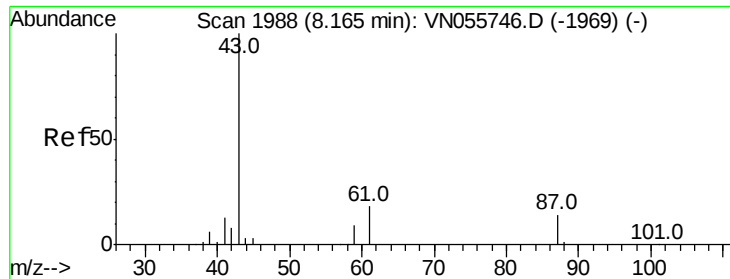
MMDadoda
5/24/2019 9:22:28 AM



#42
1,2-Dichloroethane
Concen: 48.512 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion	62	Resp	219959
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.2





#43

Isopropyl Acetate

Concen: 48.193 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

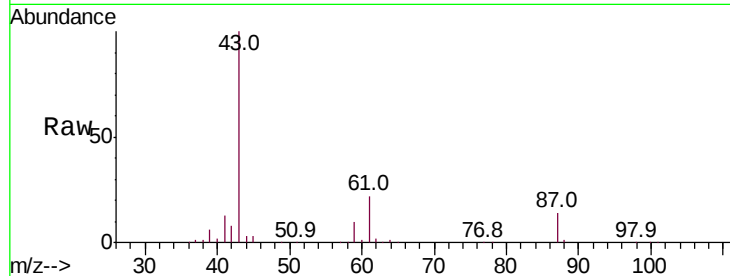
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	360317
Ion Ratio	Lower	Upper	
43	100		
61	21.5	22.2	33.4#
87	14.2	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)

8.17

200000

150000

100000

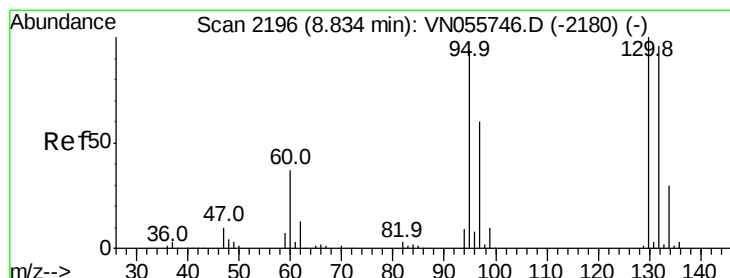
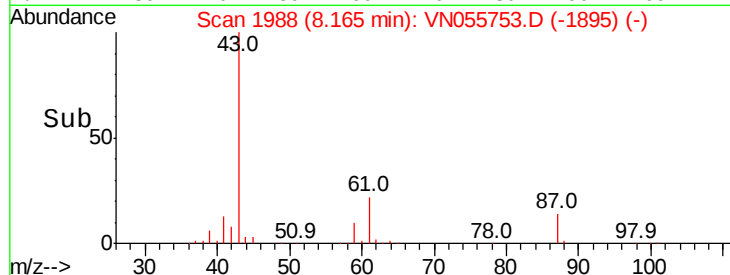
50000

0

8.10

8.20

Time-->



#44

Trichloroethene

Concen: 51.266 ug/l

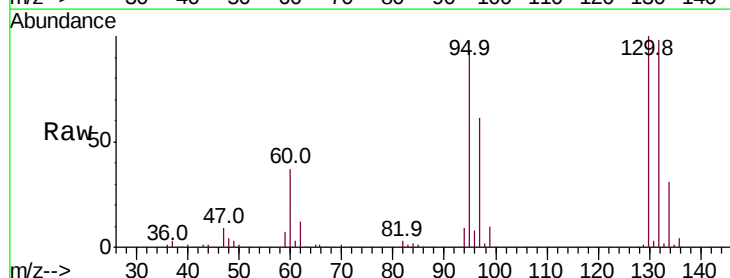
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Tgt Ion:	130	Resp:	198313
Ion Ratio	Lower	Upper	
130	100		
95	93.0	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)

8.83

100000

80000

60000

40000

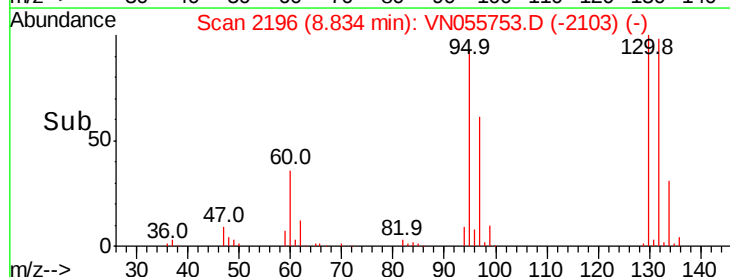
20000

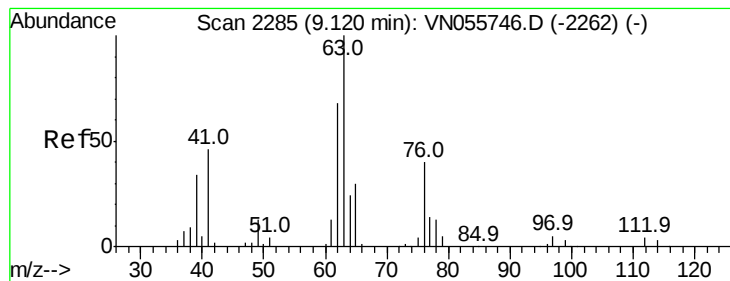
0

8.80

8.90

Time-->





#45

1,2-Dichloropropane

Concen: 49.048 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 177321

Ion Ratio Lower Upper

63 100

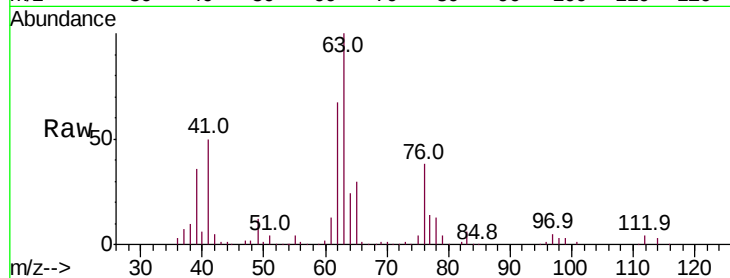
65 30.5 24.6 36.8

Manual Integrations

APPROVED

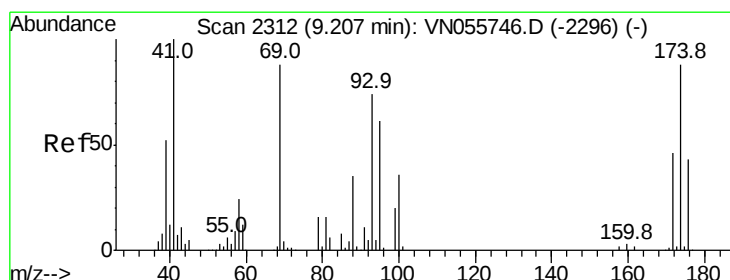
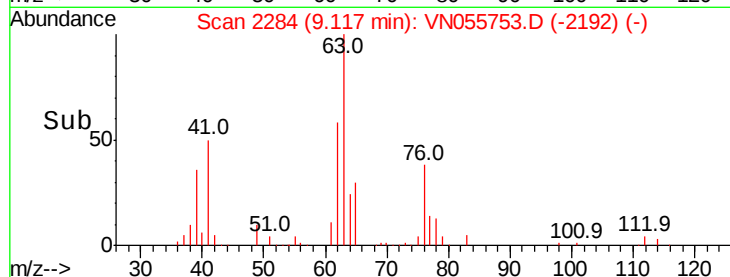
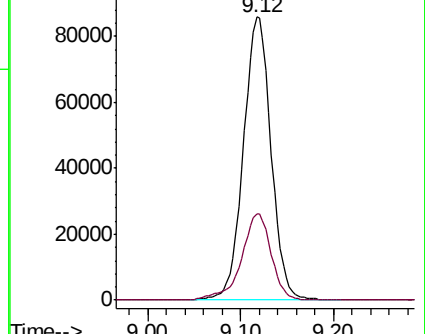
MMDadoda

5/24/2019 9:22:28 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 50.267 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

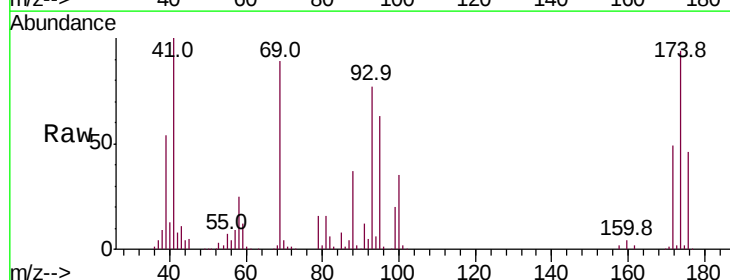
Tgt Ion: 93 Resp: 119180

Ion Ratio Lower Upper

93 100

95 82.9 66.7 100.1

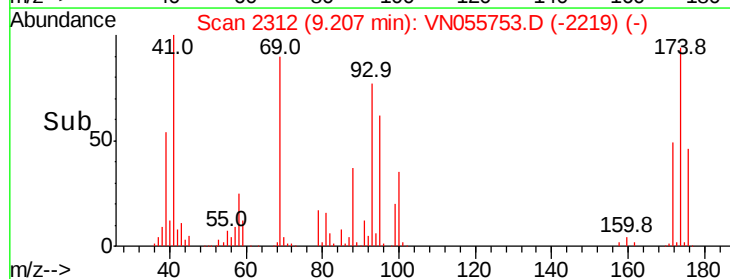
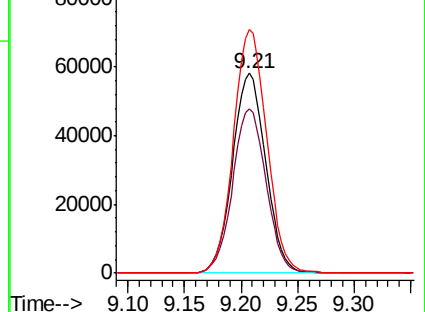
174 122.1 96.4 144.6

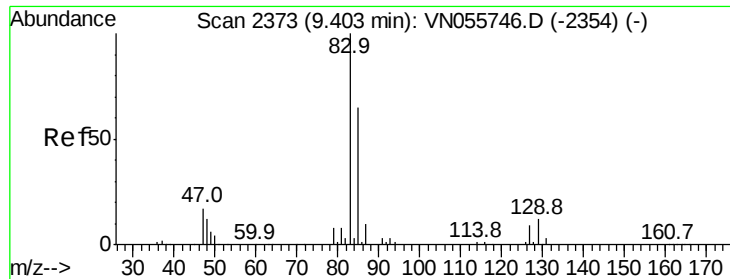


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.454 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

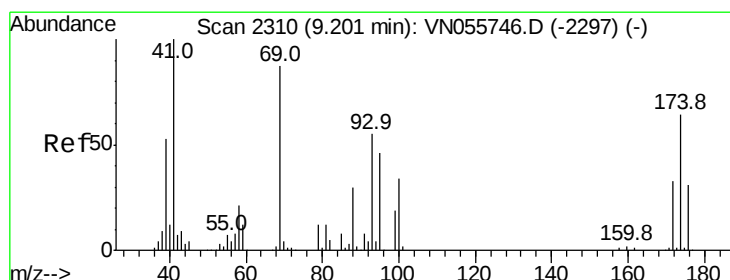
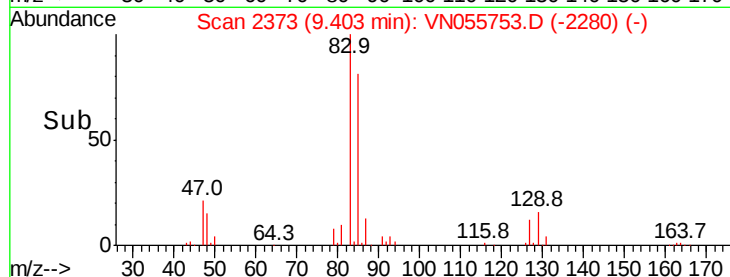
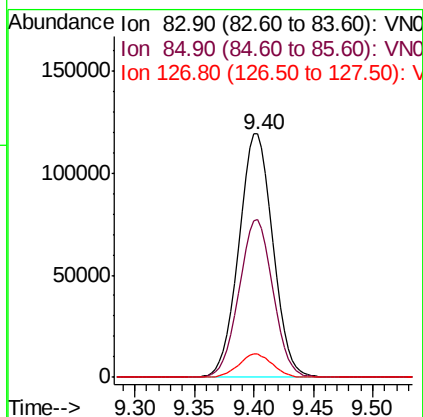
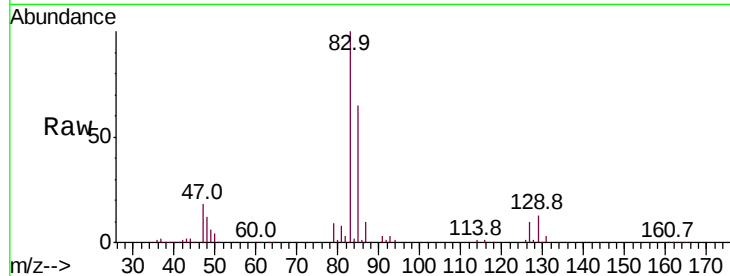
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	235564
Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.2
127	9.5	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:28 AM



#48

Methyl methacrylate

Concen: 48.611 ug/l

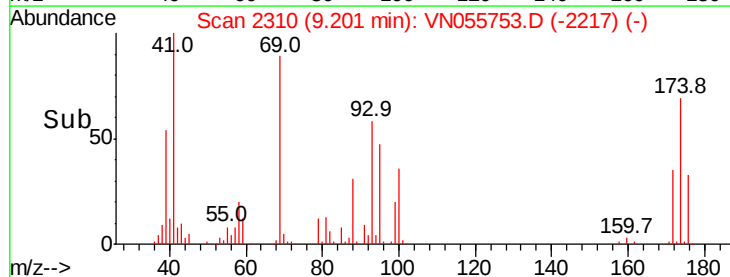
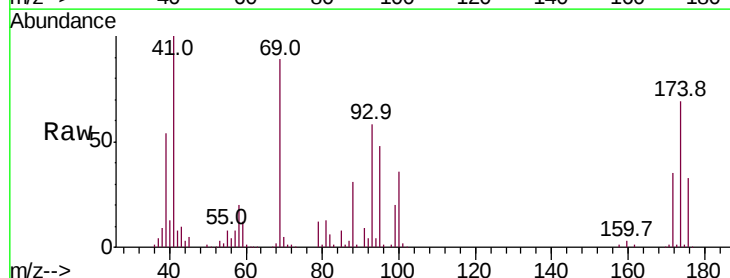
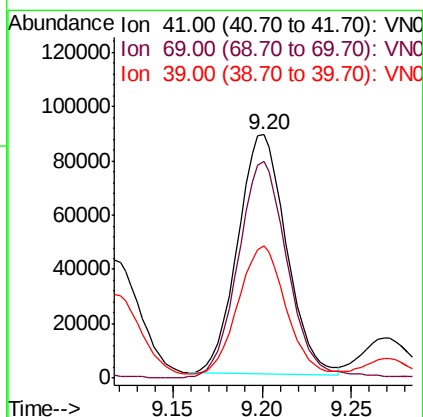
RT: 9.20 min Scan# 2310

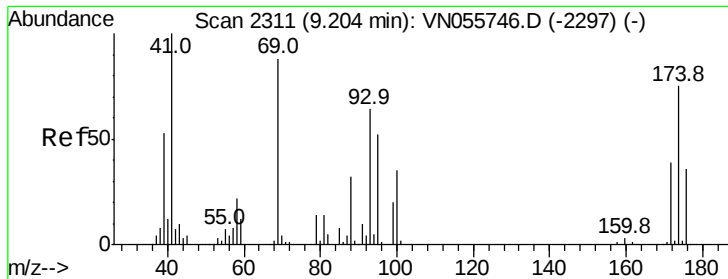
Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Tgt Ion:	41	Resp:	167500
Ion	Ratio	Lower	Upper
41	100		
69	91.6	71.0	106.6
39	56.2	44.2	66.2





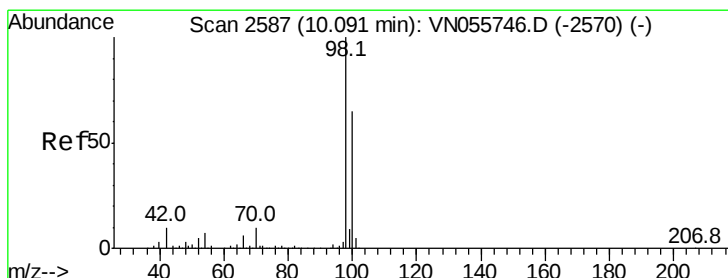
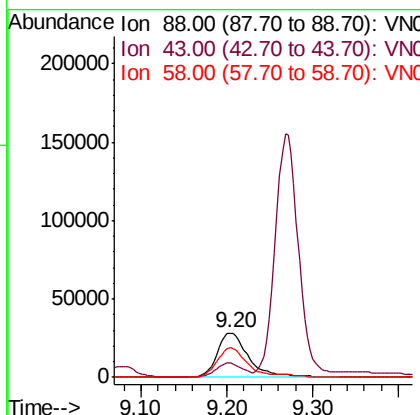
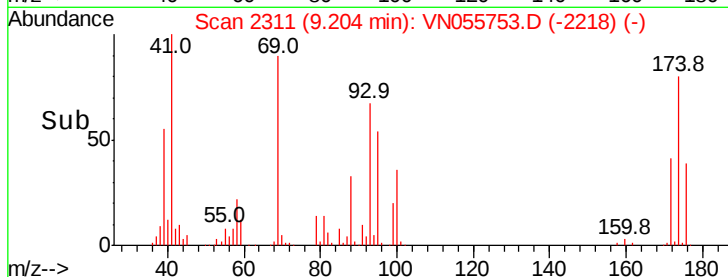
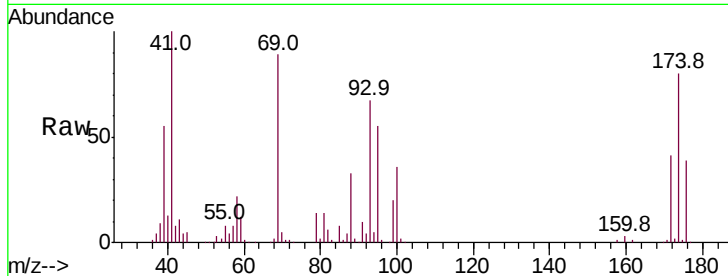
#49
 1,4-Dioxane
 Concen: 1010.682 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	72370
Ion	Ratio	Lower	Upper
88	100		
43	25.1	20.5	30.7
58	67.3	55.8	83.6

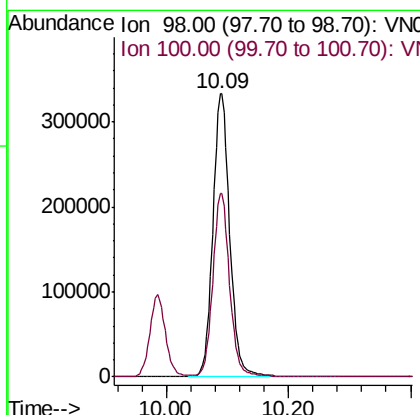
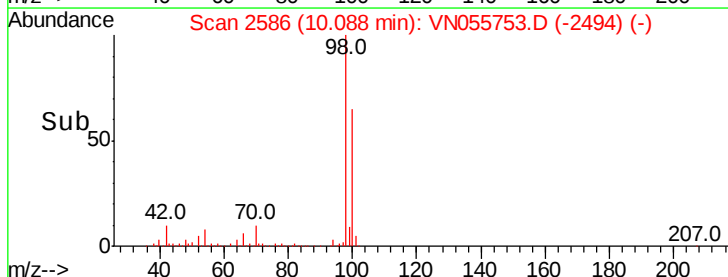
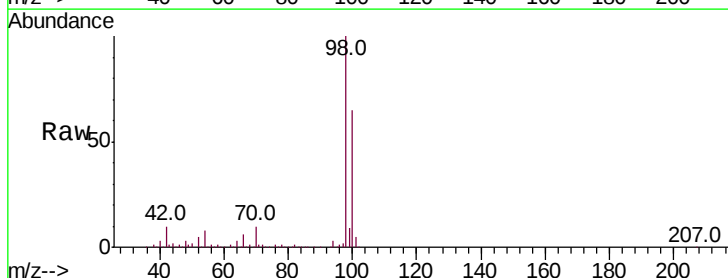
Manual Integrations
 APPROVED

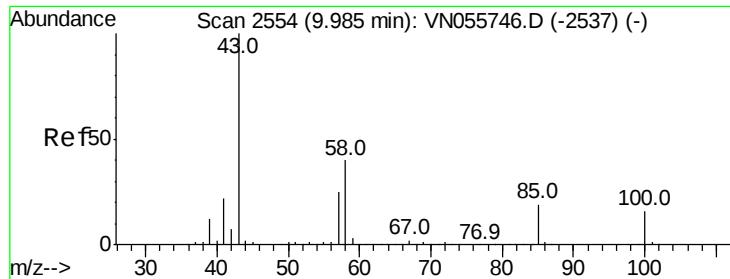
MMDadoda
 5/24/2019 9:22:28 AM



#50
 Toluene-d8
 Concen: 50.127 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion	98	Resp	642257
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 244.501 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1079624

Ion Ratio Lower Upper

43 100

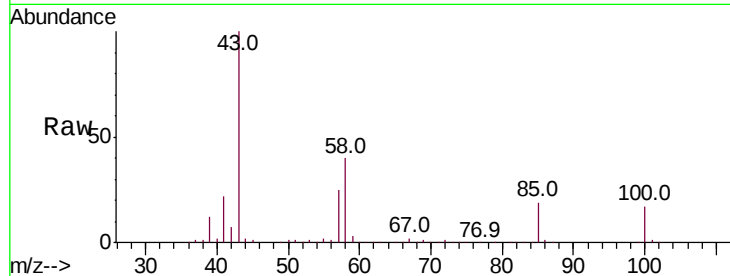
58 40.1 32.1 48.1

Manual Integrations

APPROVED

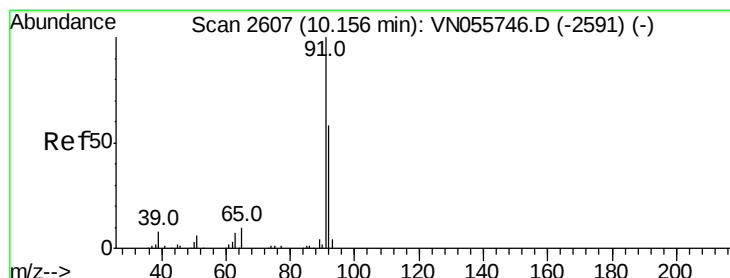
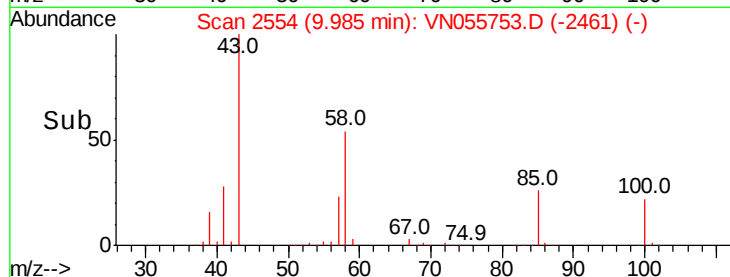
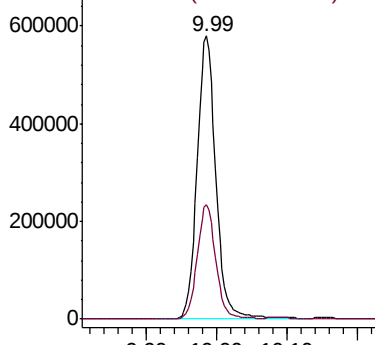
MMDadoda

5/24/2019 9:22:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.798 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055753.D

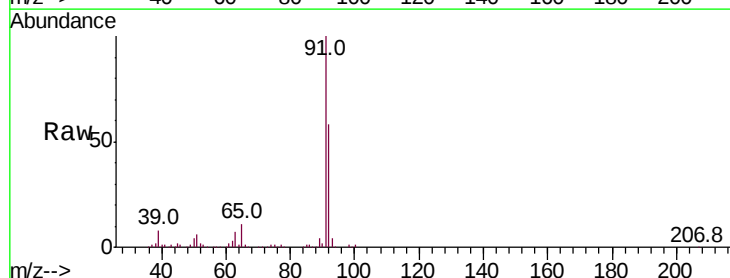
Acq: 23 May 2019 14:56

Tgt Ion: 92 Resp: 434584

Ion Ratio Lower Upper

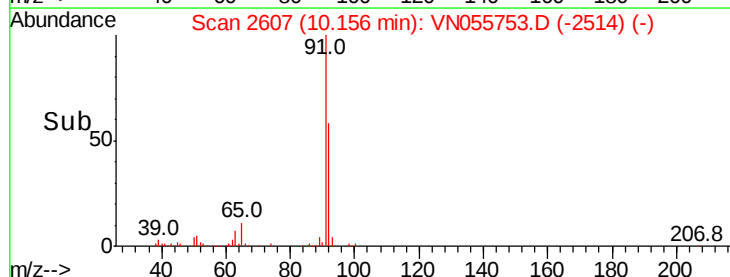
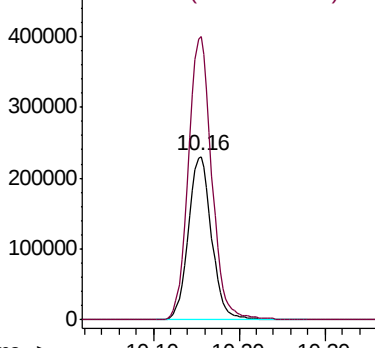
92 100

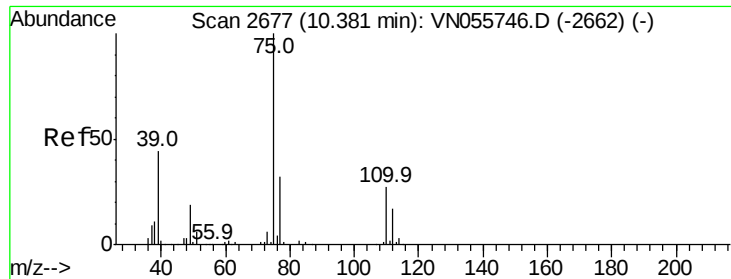
91 174.8 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





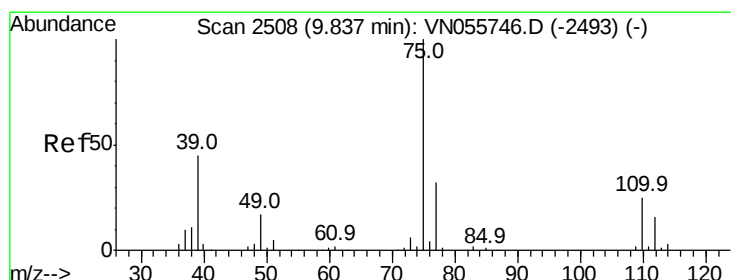
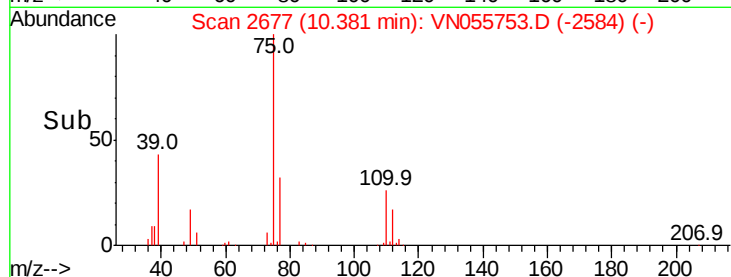
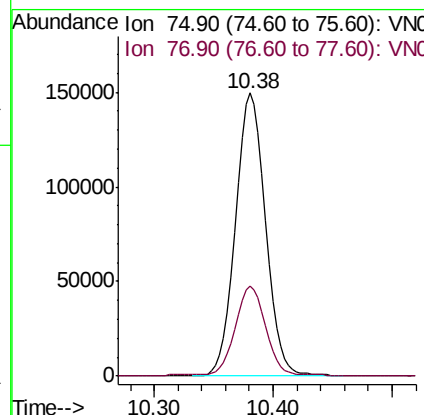
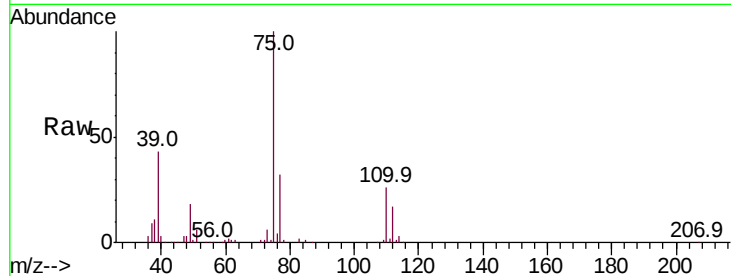
#53
t-1,3-Dichloropropene
Concen: 50.504 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.6

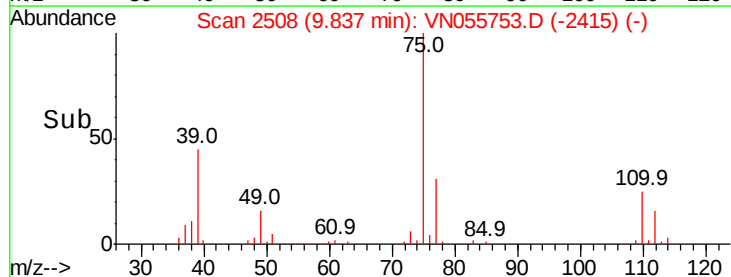
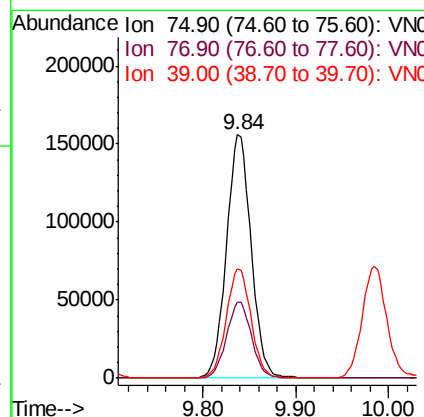
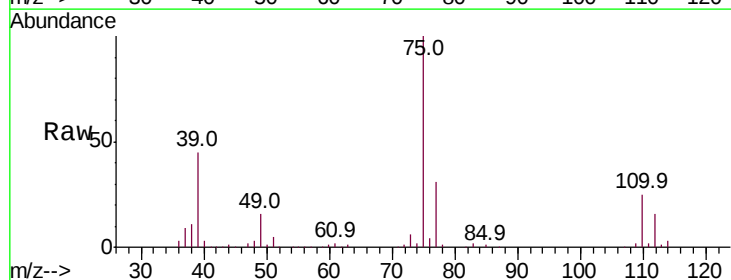
Manual Integrations
APPROVED

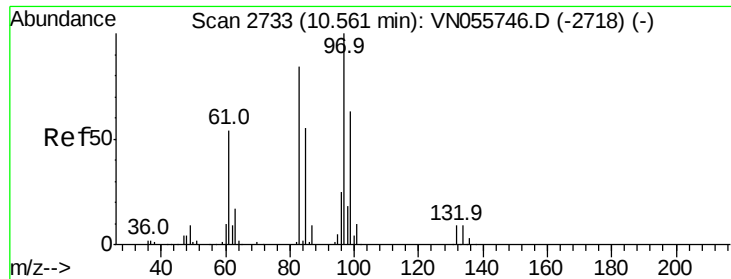
MMDadoda
5/24/2019 9:22:28 AM



#54
cis-1,3-Dichloropropene
Concen: 50.015 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	44.9	36.3	54.5





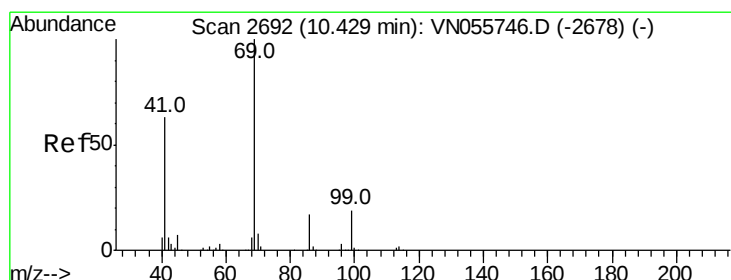
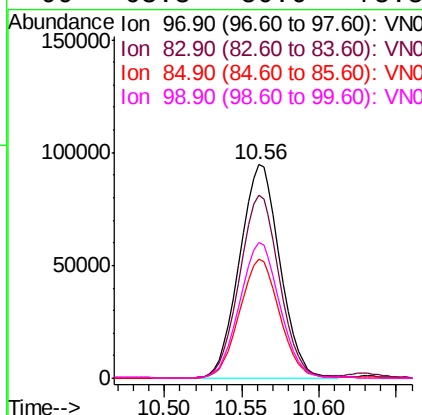
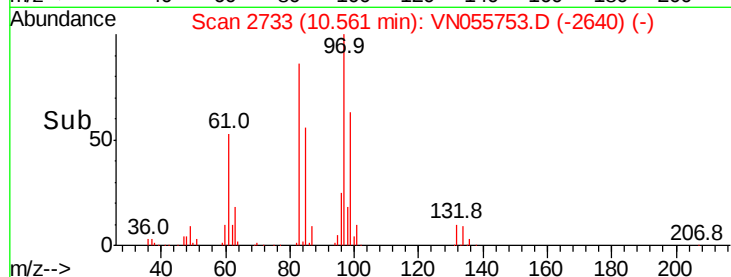
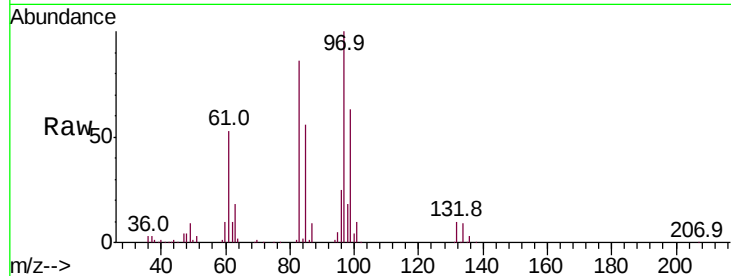
#55
 1,1,2-Trichloroethane
 Concen: 49.401 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	172711
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.0	100.6
85	55.7	44.0	66.0
99	63.3	50.6	75.8

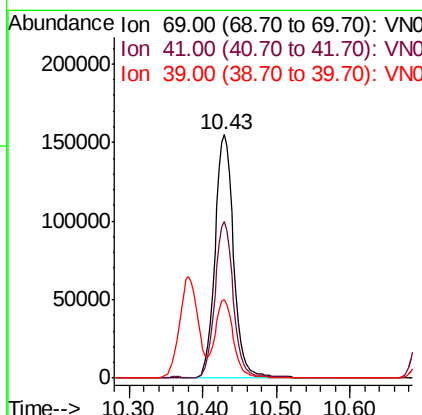
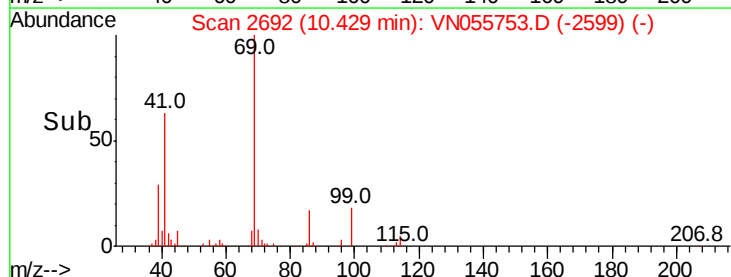
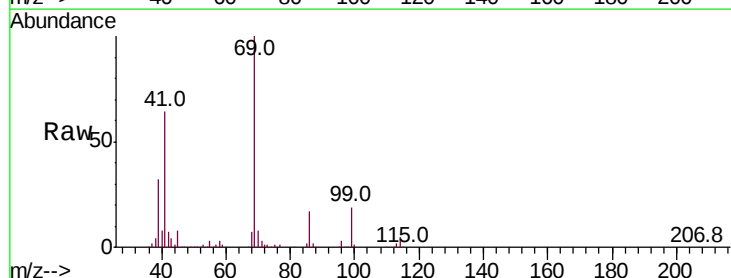
Manual Integrations
 APPROVED

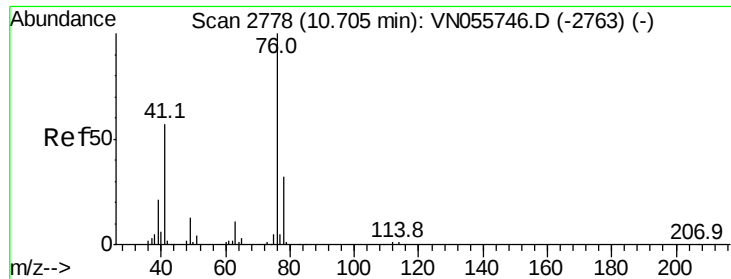
MMDadoda
 5/24/2019 9:22:28 AM



#56
 Ethyl methacrylate
 Concen: 50.219 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion:	69	Resp:	271336
Ion	Ratio	Lower	Upper
69	100		
41	63.5	49.7	74.5
39	31.1	24.7	37.1





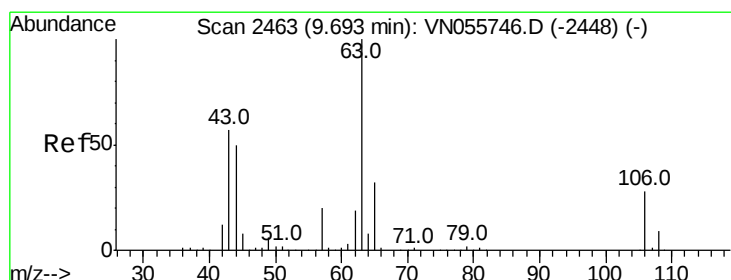
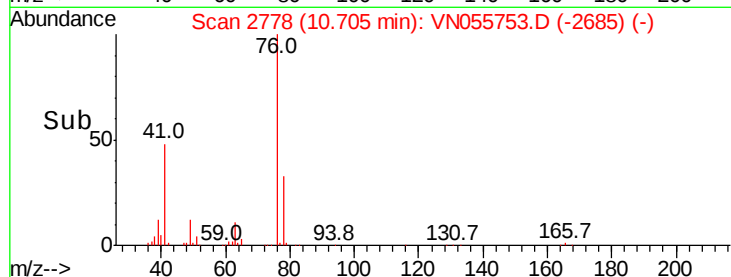
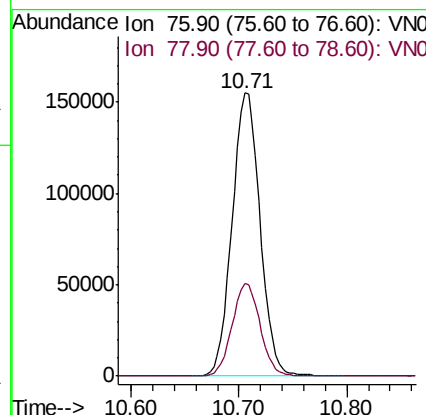
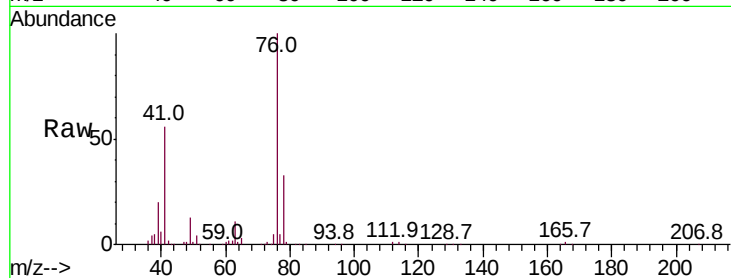
#57
 1,3-Dichloropropane
 Concen: 49.210 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 279649
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.6

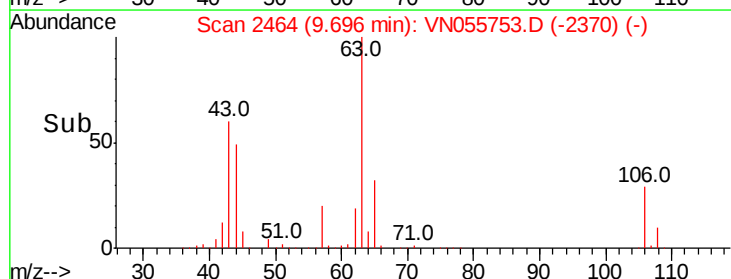
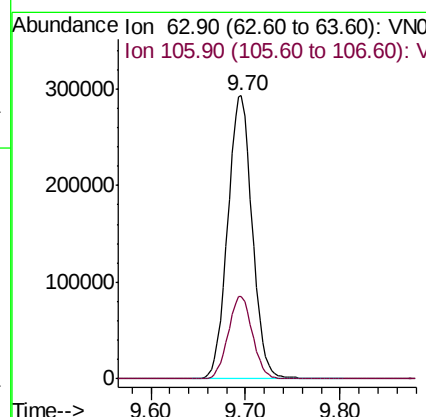
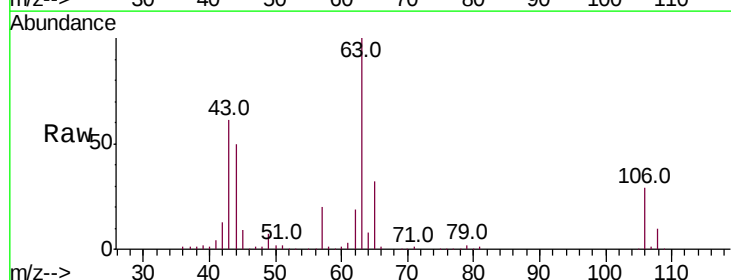
Manual Integrations
 APPROVED

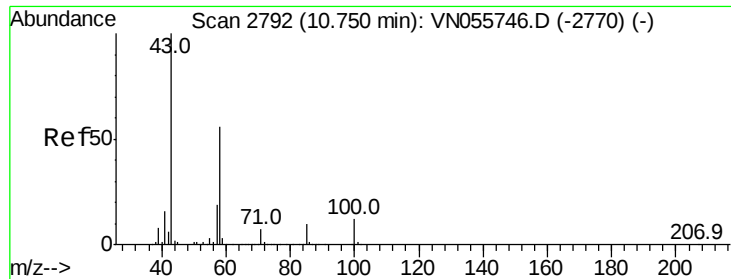
MMDadoda
 5/24/2019 9:22:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.098 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion: 63 Resp: 528801
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.7 34.1





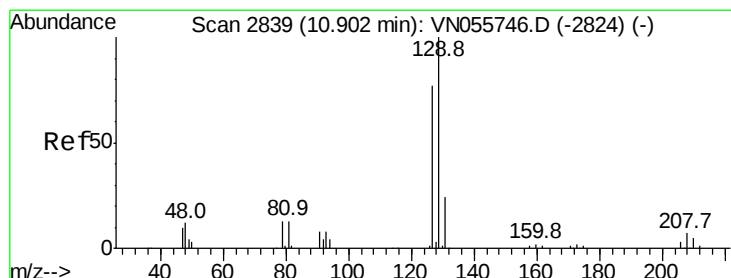
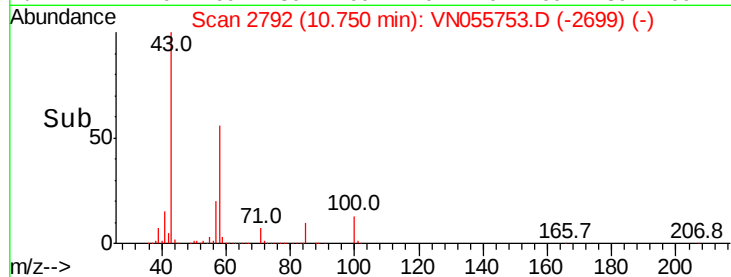
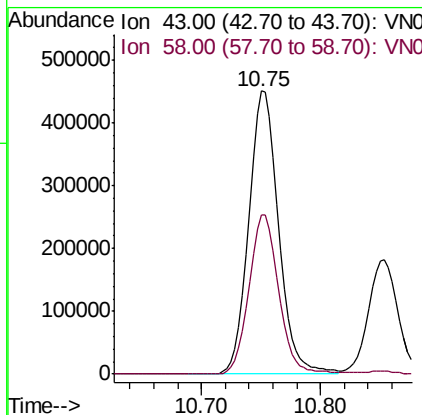
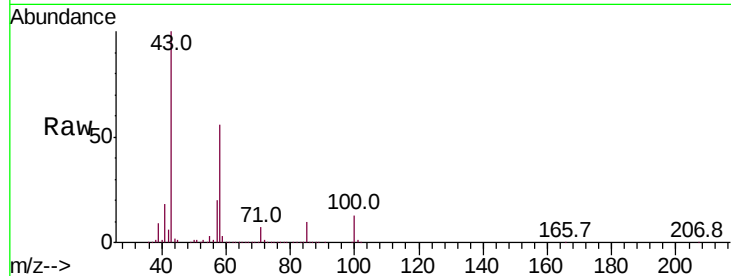
#59
2-Hexanone
Concen: 249.416 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 781290
Ion Ratio Lower Upper
43 100
58 56.6 28.2 84.7

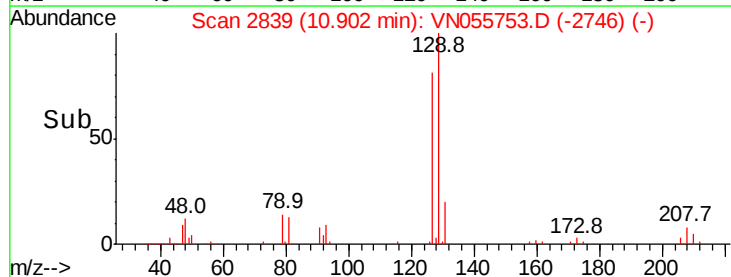
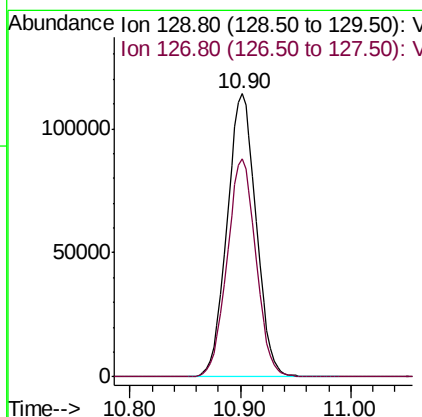
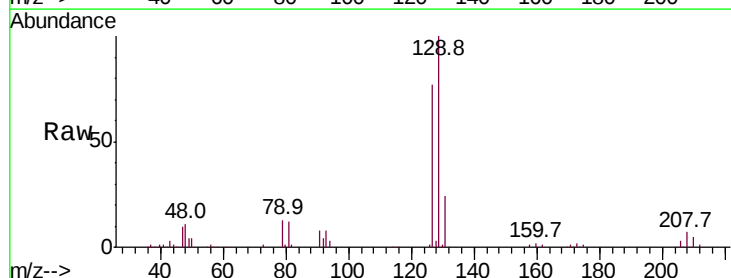
Manual Integrations
APPROVED

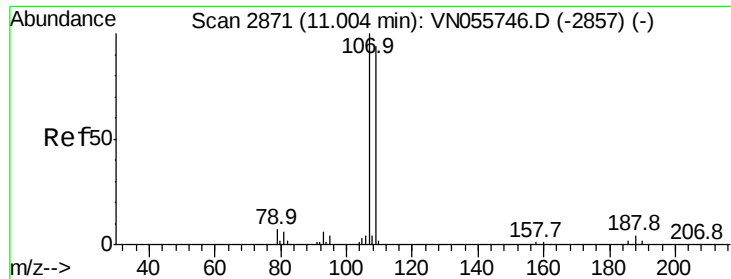
MMDadoda
5/24/2019 9:22:28 AM



#60
Dibromochloromethane
Concen: 51.152 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 129 Resp: 208327
Ion Ratio Lower Upper
129 100
127 76.4 38.1 114.3





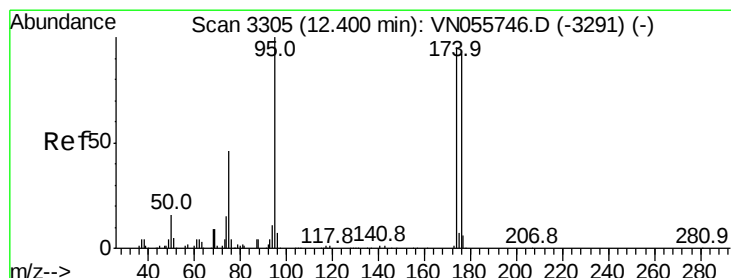
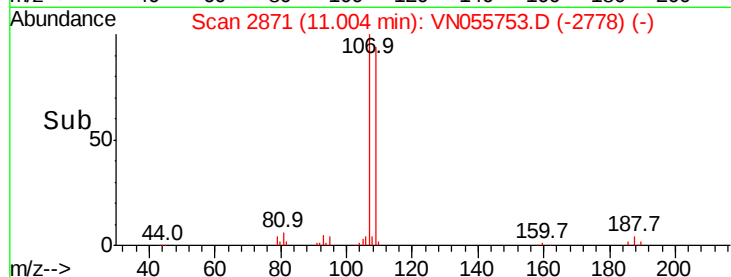
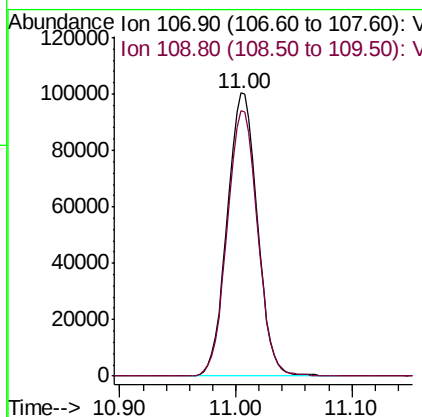
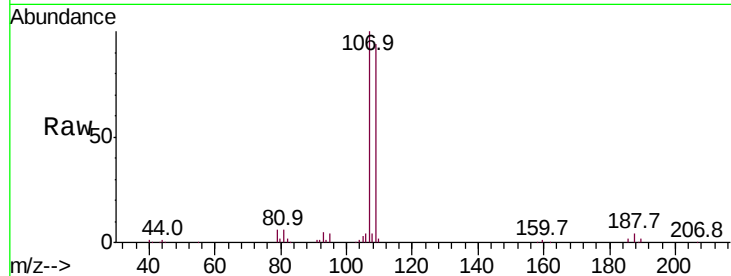
#61
 1,2-Dibromoethane
 Concen: 49.679 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	180151		
109	94.9	74.8	112.2	

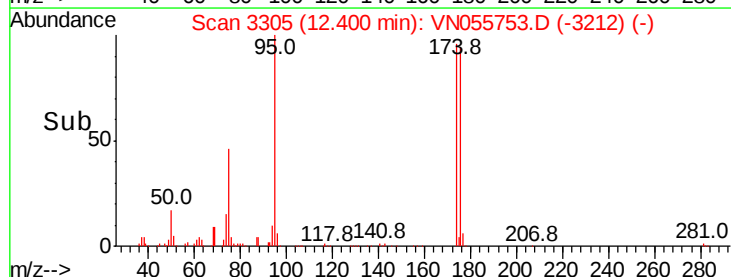
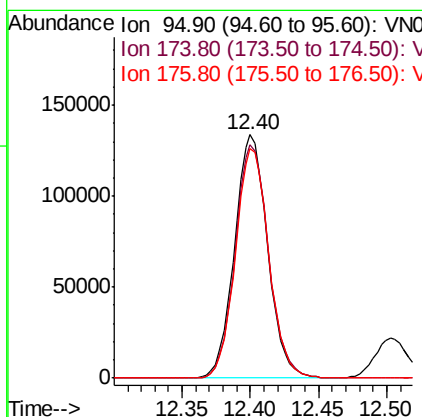
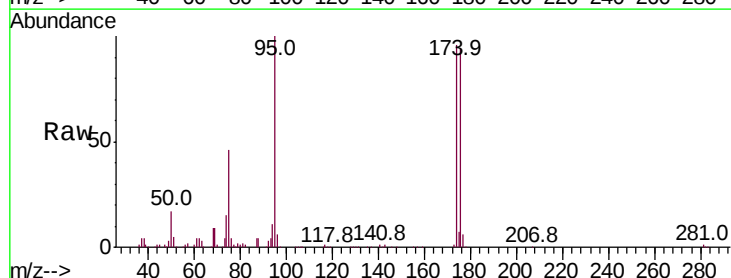
Manual Integrations
 APPROVED

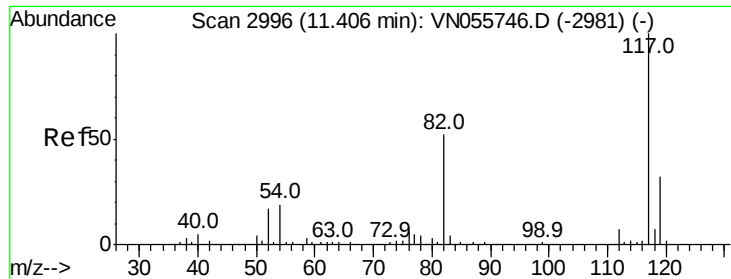
MMDadoda
 5/24/2019 9:22:28 AM



#62
 4-Bromofluorobenzene
 Concen: 51.252 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	225168		
174	96.9	0.0	191.0	
176	95.0	0.0	185.2	





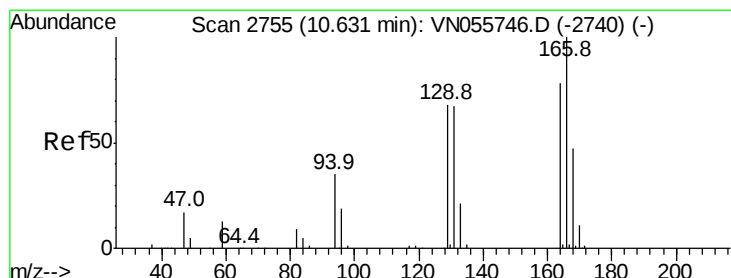
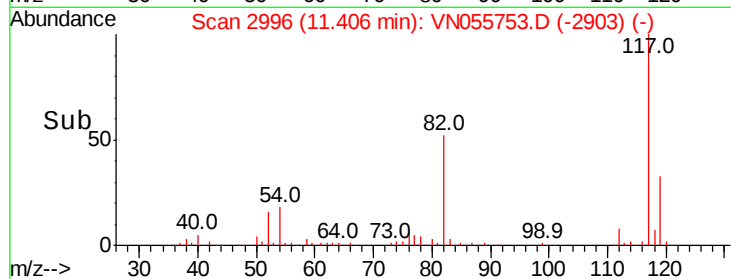
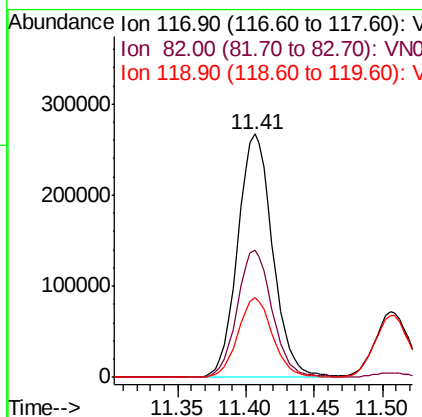
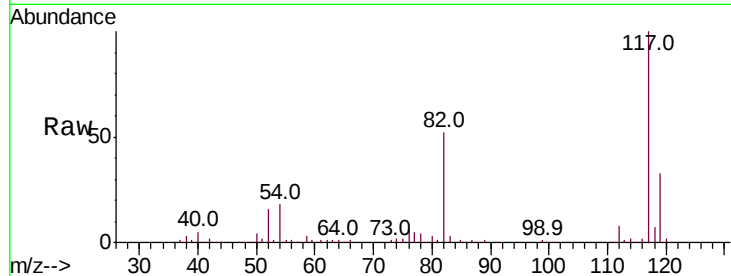
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.8
119	32.7	25.4	38.0

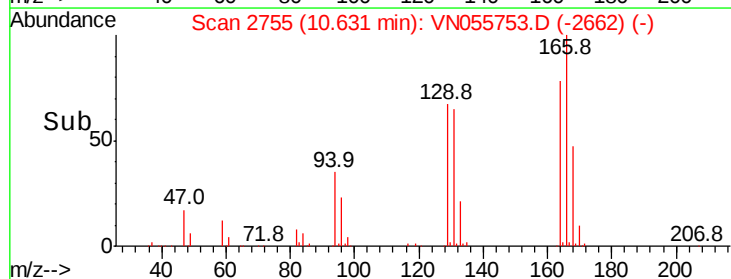
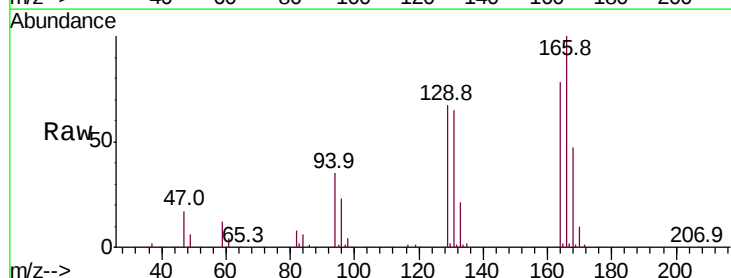
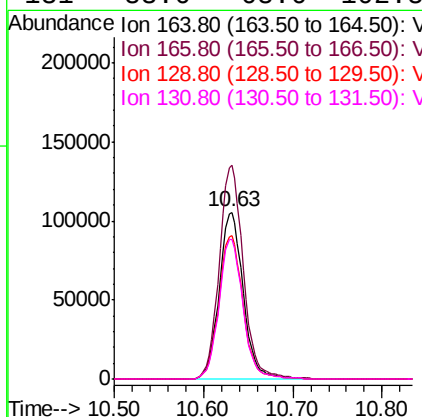
Manual Integrations
APPROVED

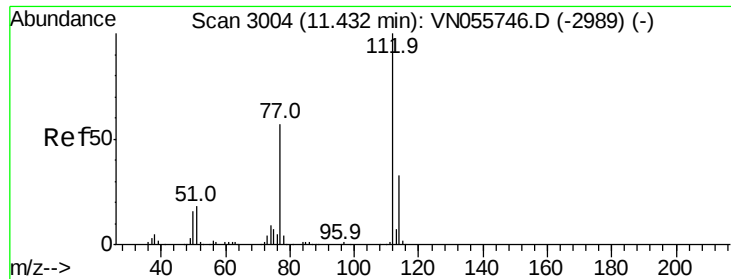
MMDadoda
5/24/2019 9:22:28 AM



#64
Tetrachloroethene
Concen: 49.146 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	103.0	154.6
129	85.9	70.6	105.8
131	83.6	68.6	102.8





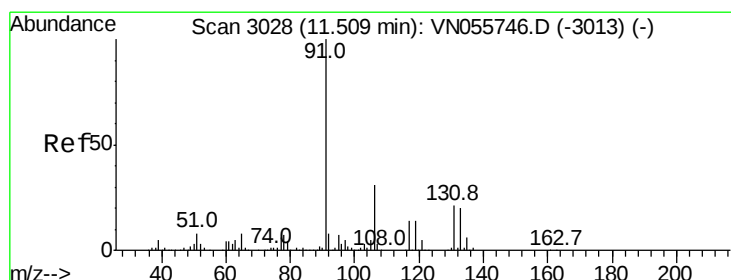
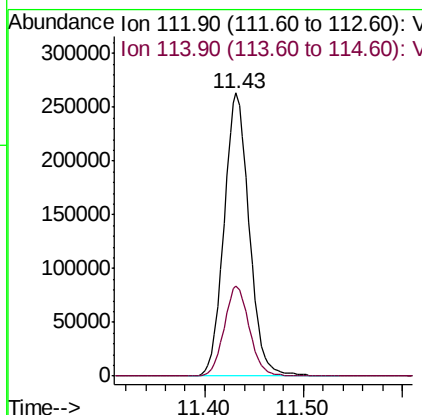
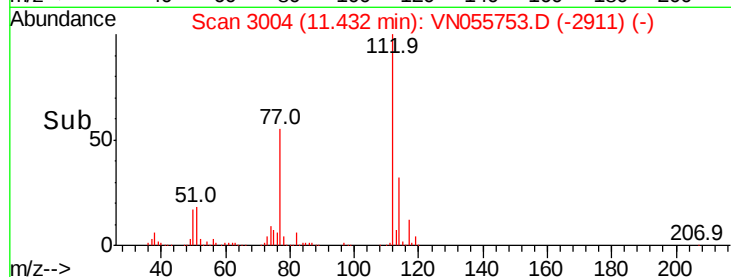
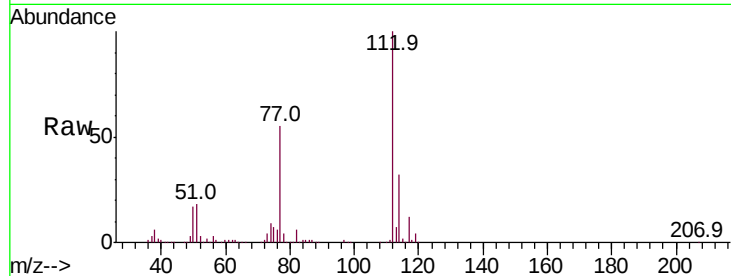
#65
Chlorobenzene
Concen: 49.590 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 471687
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4

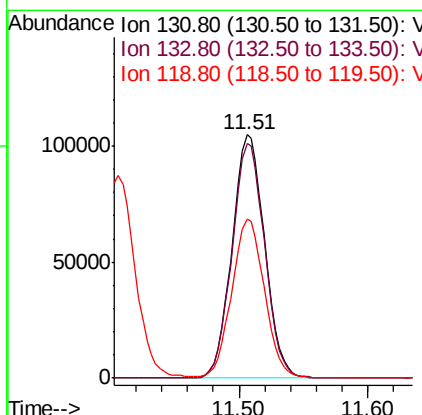
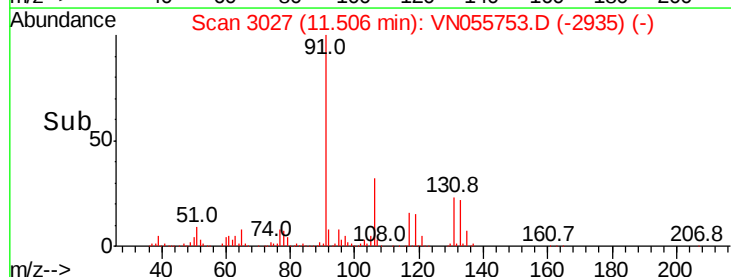
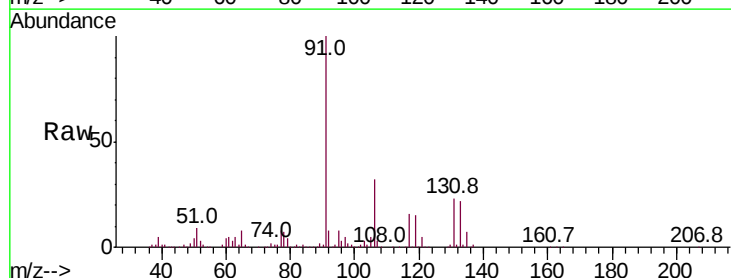
Manual Integrations
APPROVED

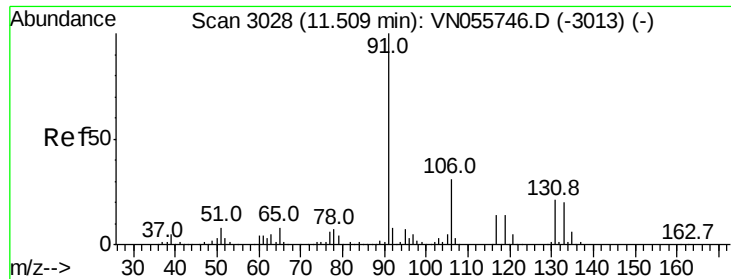
MMDadoda
5/24/2019 9:22:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.568 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion:131 Resp: 184248
Ion Ratio Lower Upper
131 100
133 96.3 48.0 144.0
119 65.7 33.1 99.5





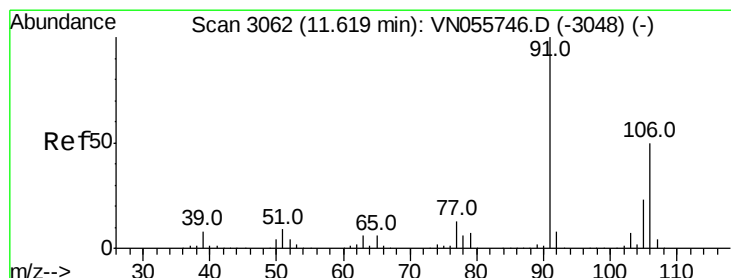
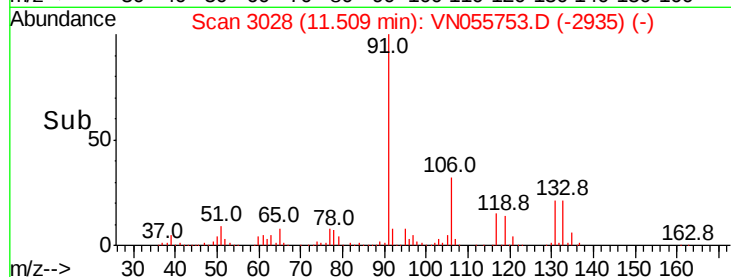
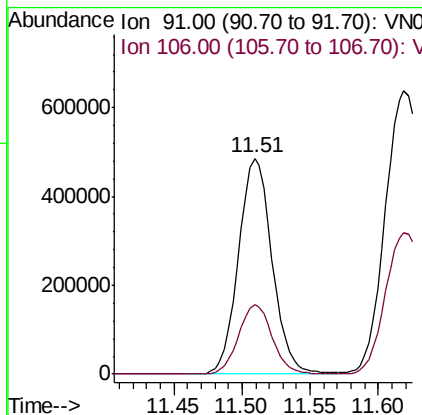
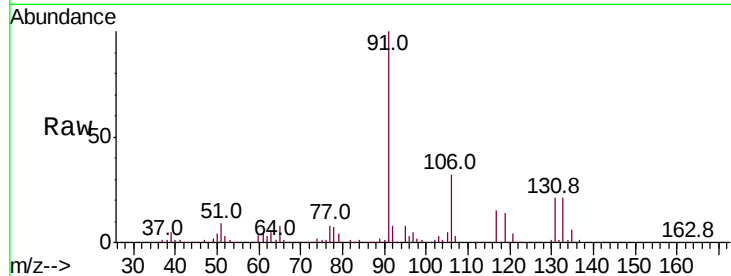
#67
Ethyl Benzene
Concen: 48.839 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 833062
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7

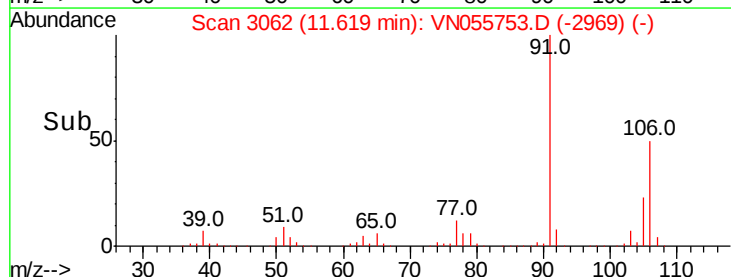
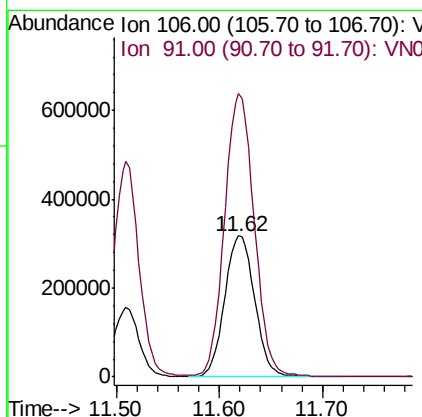
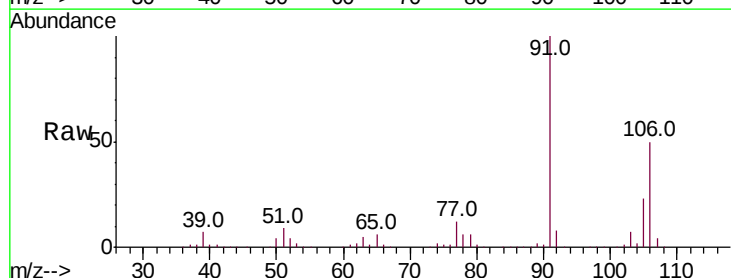
Manual Integrations
APPROVED

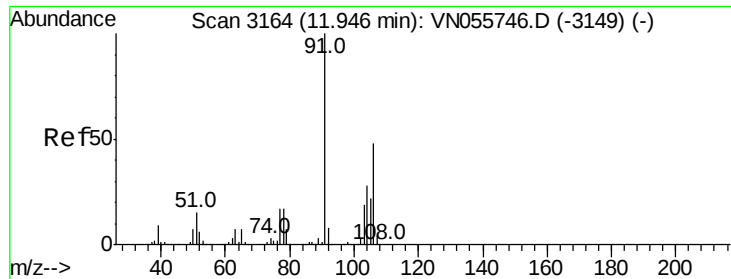
MMDadoda
5/24/2019 9:22:28 AM



#68
m/p-Xylenes
Concen: 99.981 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 106 Resp: 644730
Ion Ratio Lower Upper
106 100
91 198.9 159.3 238.9





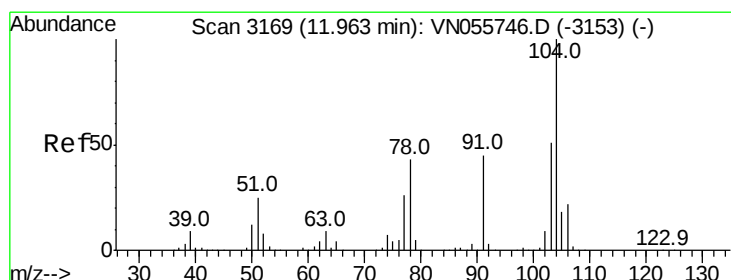
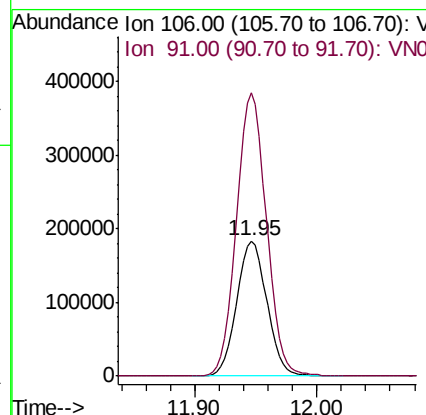
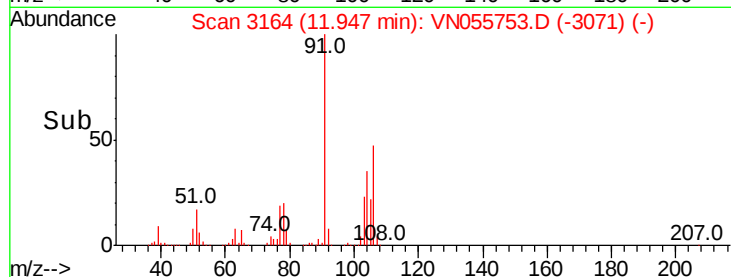
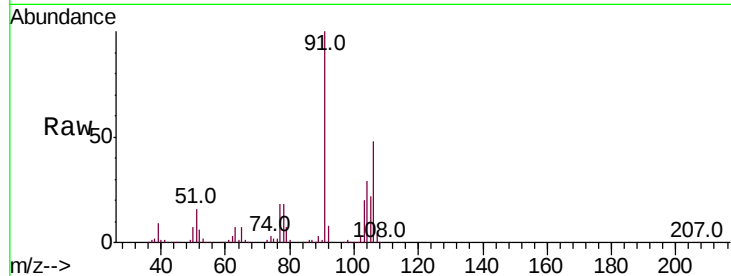
#69
o-Xylene
Concen: 49.426 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 316217
Ion Ratio Lower Upper
106 100
91 207.7 104.7 314.1

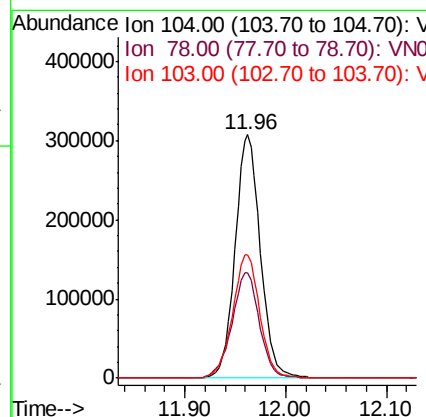
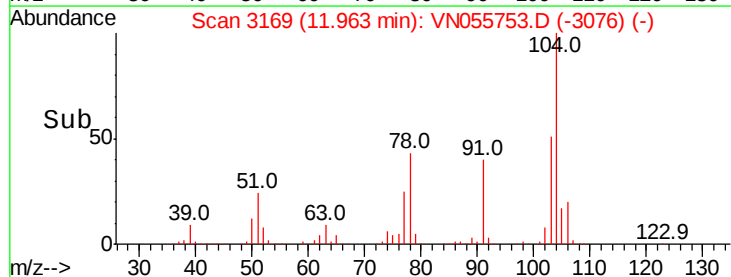
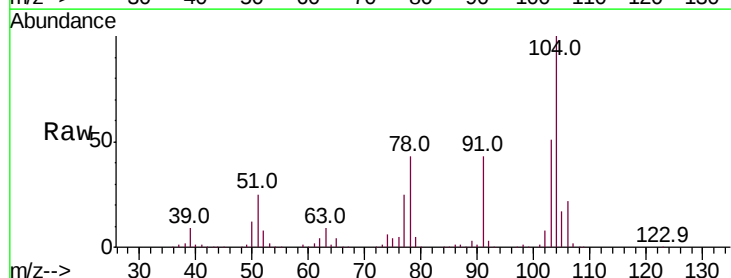
Manual Integrations
APPROVED

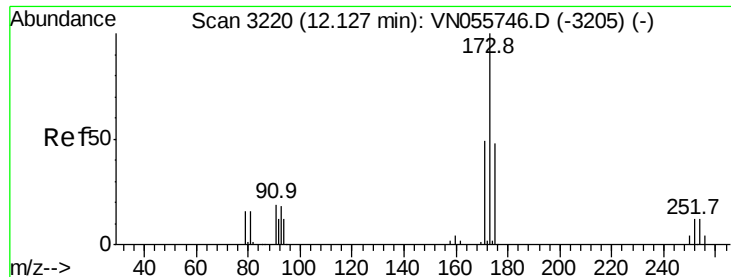
MMDadoda
5/24/2019 9:22:28 AM



#70
Styrene
Concen: 51.566 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion:104 Resp: 534255
Ion Ratio Lower Upper
104 100
78 47.3 37.8 56.6
103 54.9 44.2 66.2





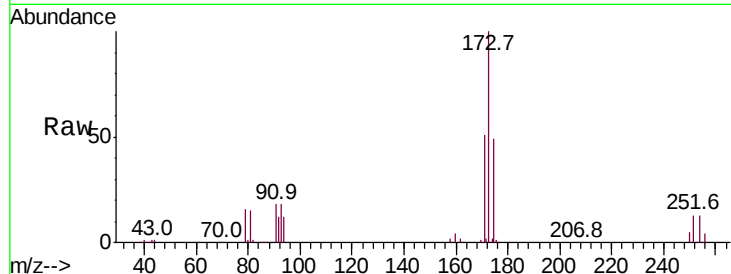
#71
Bromoform
Concen: 50.546 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.8
254	0.0	0.0	0.0#

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:28 AM

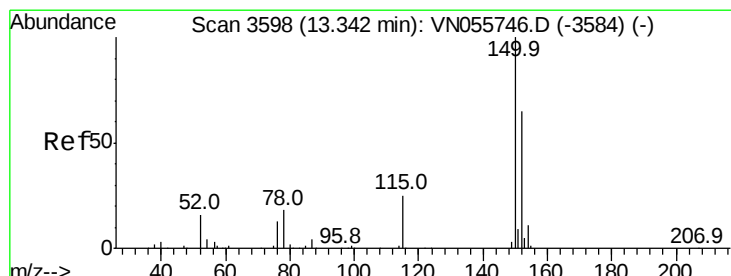
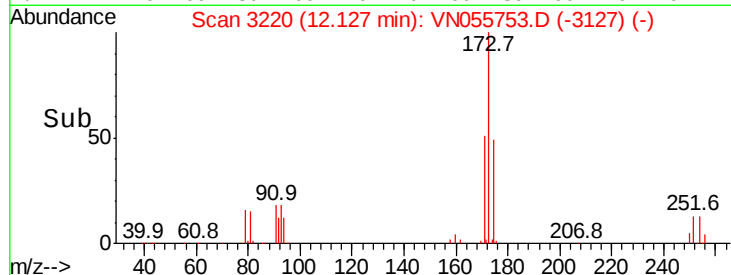
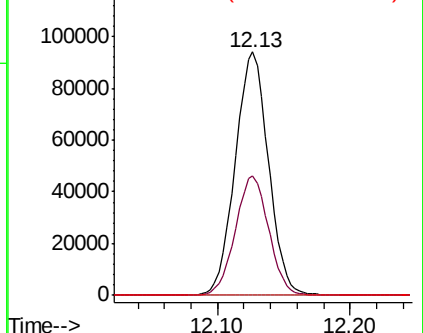


Abundance

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: VN055753.D
Acq: 23 May 2019 14:56

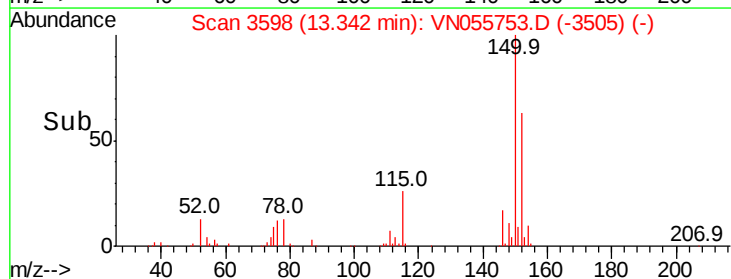
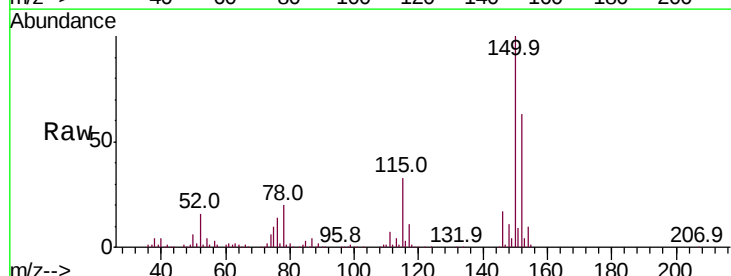
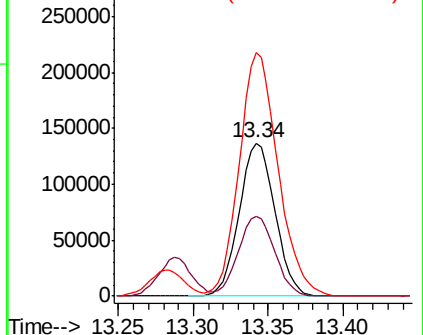
Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.2	27.0	81.0
150	172.9	0.0	343.2

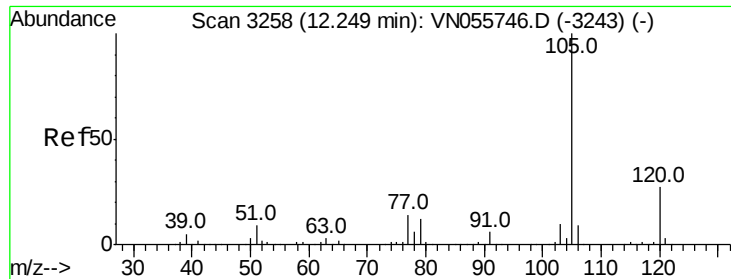
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.562 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 832449

Ion Ratio Lower Upper

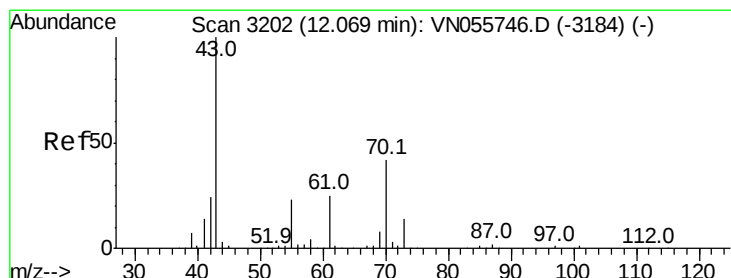
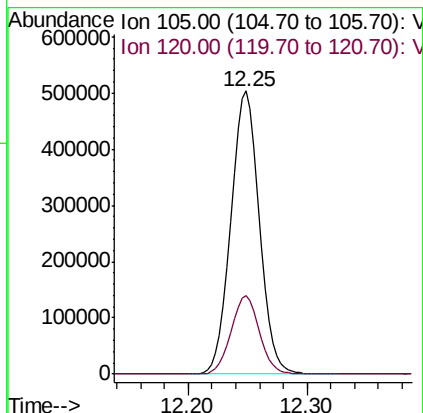
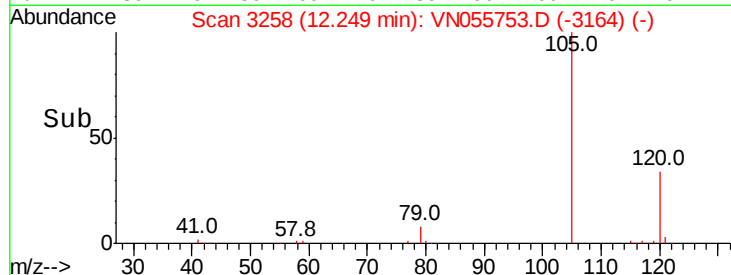
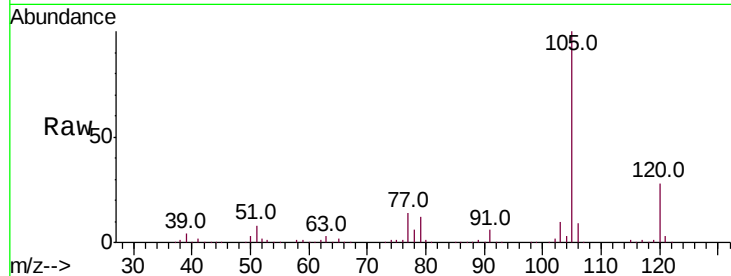
105 100

120 27.6 13.6 40.7

Manual Integrations
APPROVED

MMDadoda

5/24/2019 9:22:28 AM



#74

N-ethyl acetate

Concen: 48.931 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Tgt Ion: 43 Resp: 301510

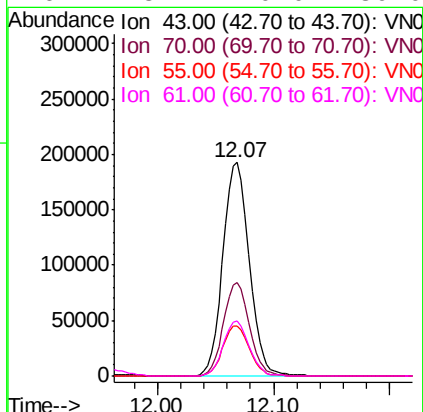
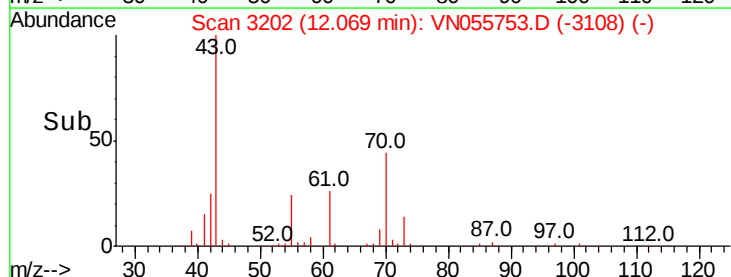
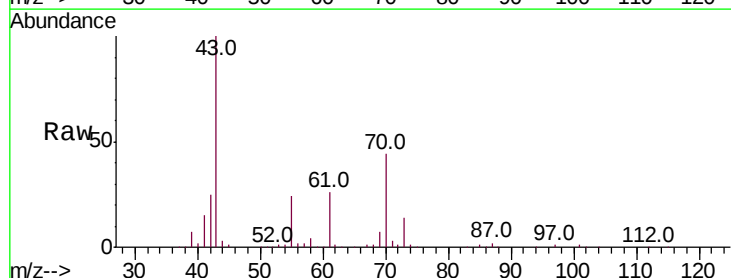
Ion Ratio Lower Upper

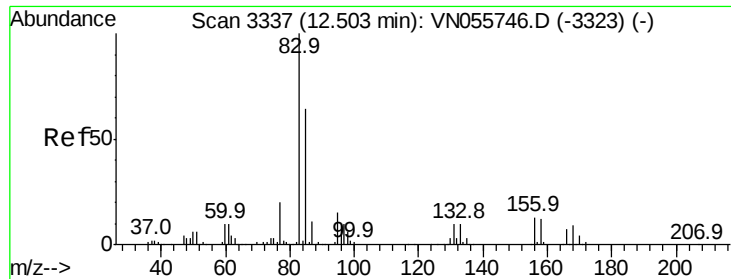
43 100

70 43.4 34.0 51.0

55 23.8 18.6 28.0

61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.494 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

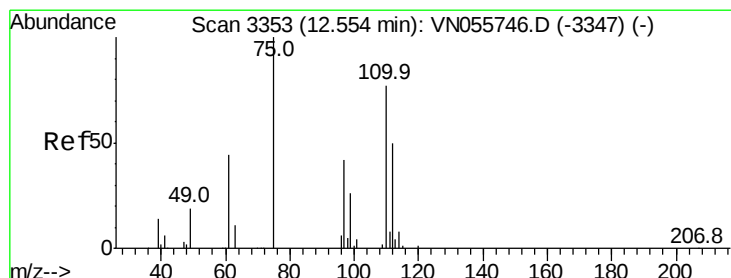
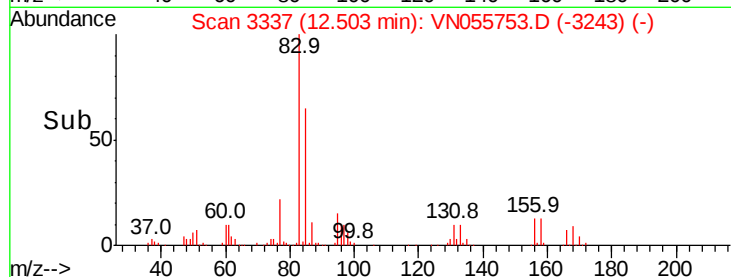
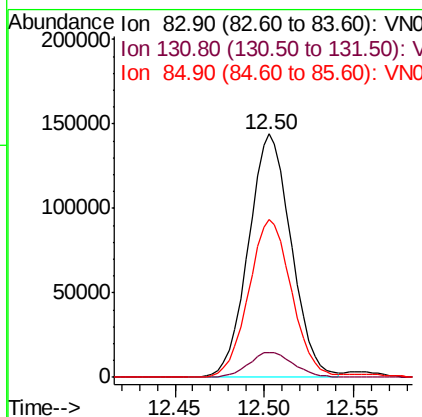
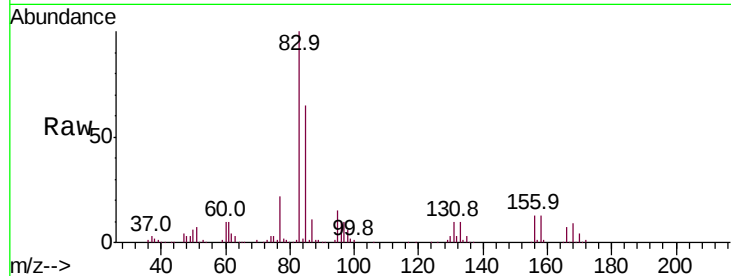
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	241676
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	65.1	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:28 AM



#76

1,2,3-Trichloropropane

Concen: 50.552 ug/l m

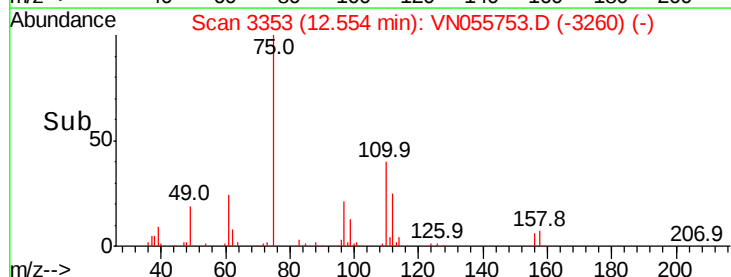
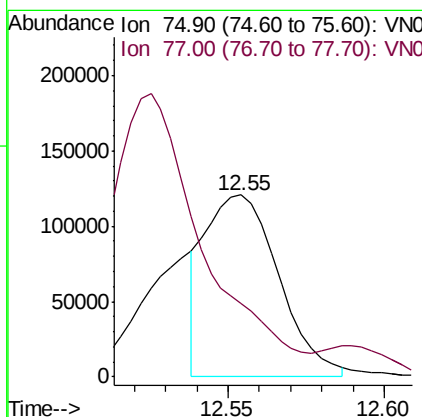
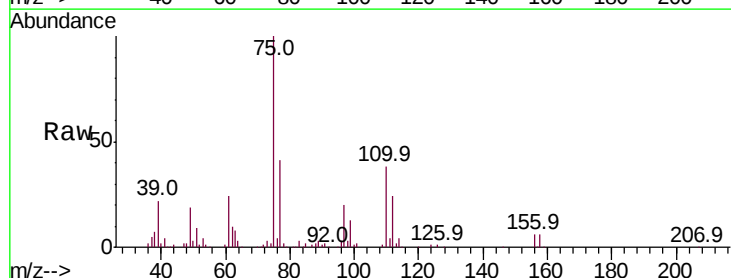
RT: 12.55 min Scan# 3353

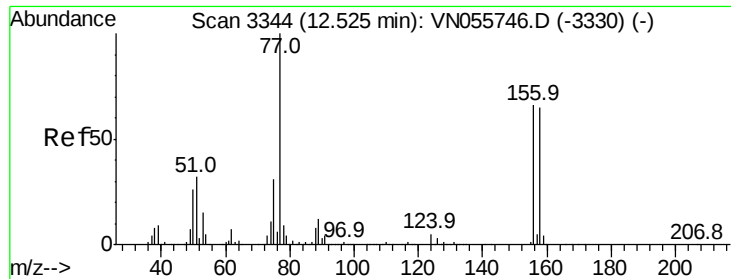
Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Tgt Ion:	75	Resp:	197743
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





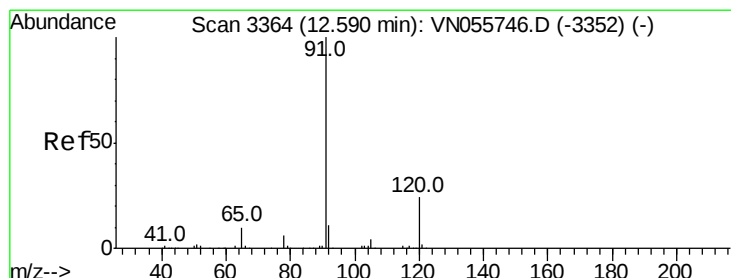
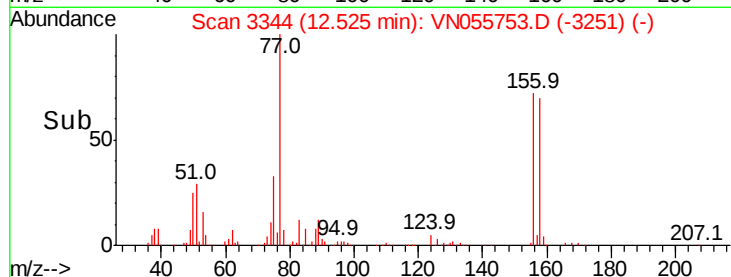
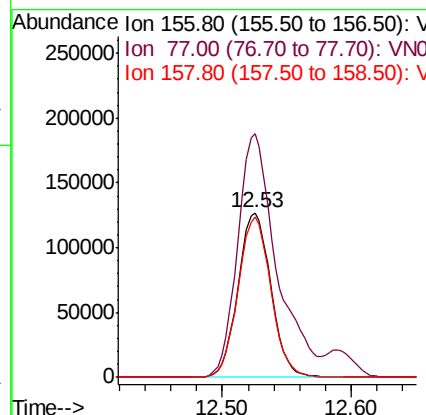
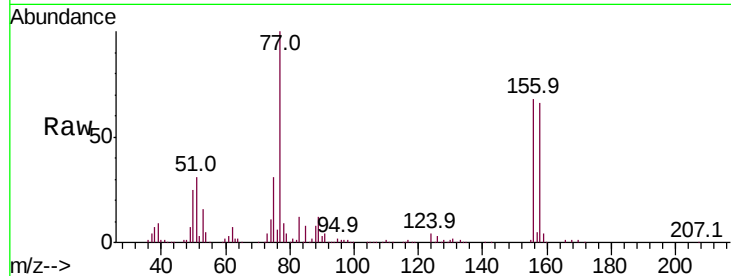
#77
Bromobenzene
Concen: 46.357 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	177.0	90.8	272.5
158	97.1	49.3	147.8

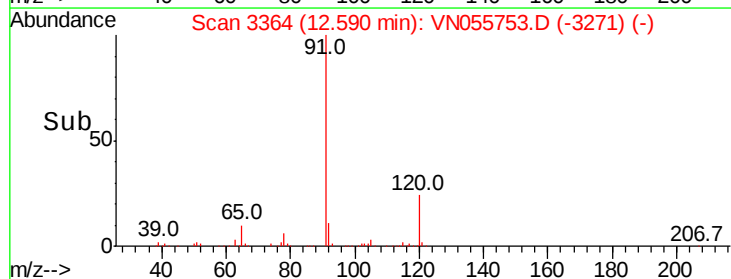
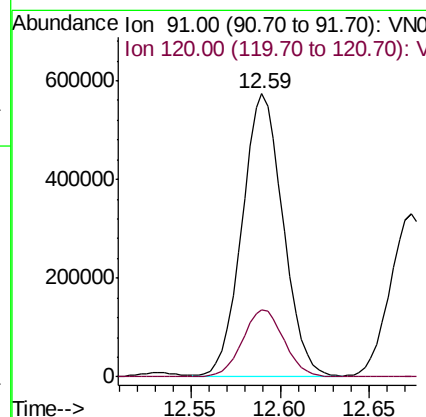
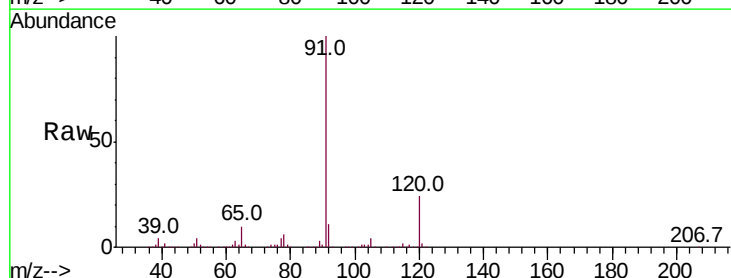
Manual Integrations
APPROVED

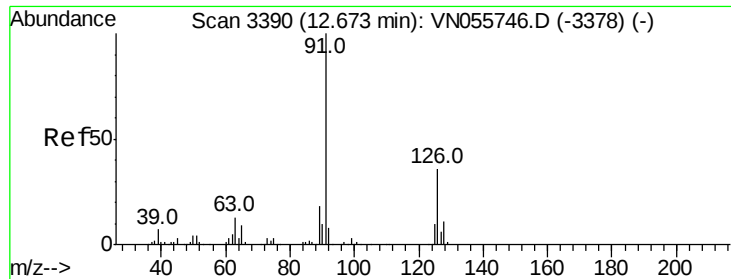
MMDadoda
5/24/2019 9:22:28 AM



#78
n-propylbenzene
Concen: 46.274 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.0	36.0





#79

2-Chlorotoluene

Concen: 51.164 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 543885

Ion Ratio Lower Upper

91 100

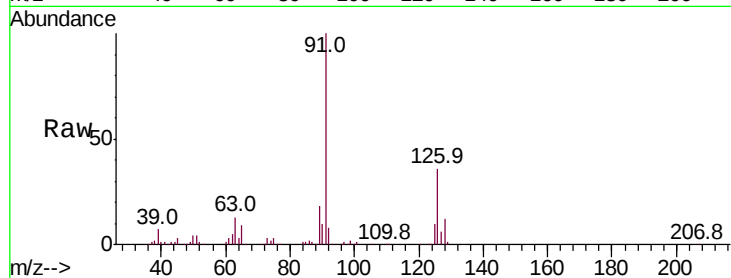
126 36.3 18.1 54.4

Manual Integrations

APPROVED

MMDadoda

5/24/2019 9:22:28 AM



Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)

12.67

400000

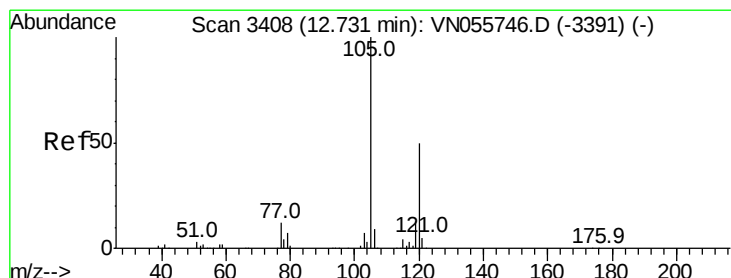
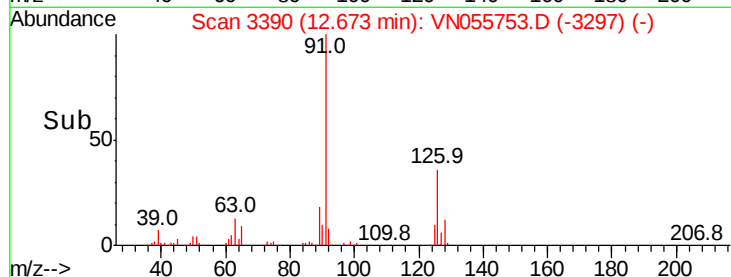
300000

200000

100000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 51.503 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055753.D

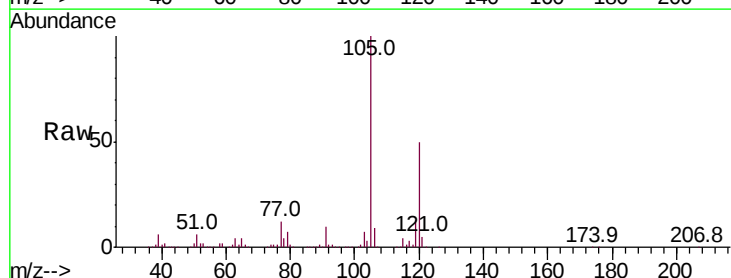
Acq: 23 May 2019 14:56

Tgt Ion:105 Resp: 699977

Ion Ratio Lower Upper

105 100

120 50.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)

12.73

500000

400000

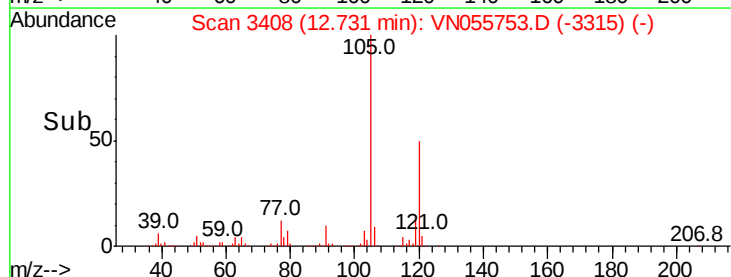
300000

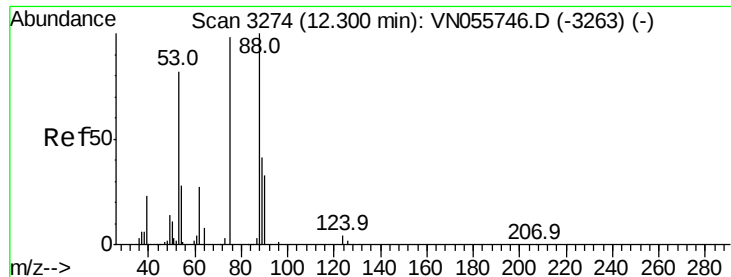
200000

100000

0

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 47.194 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

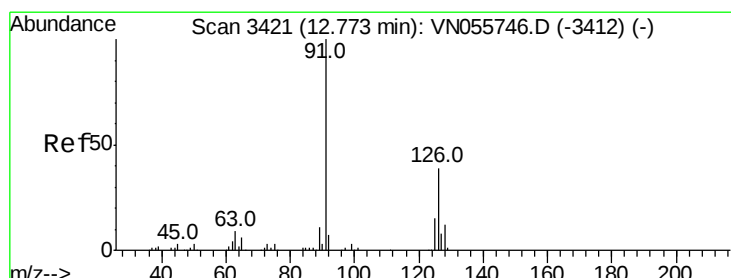
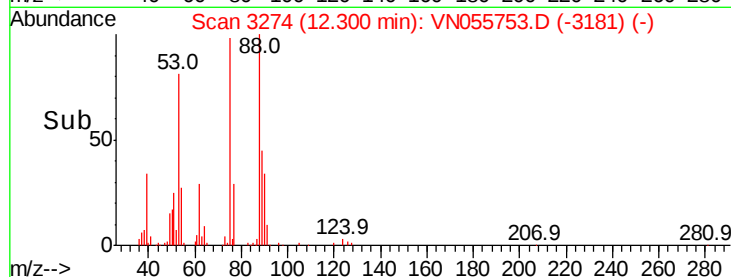
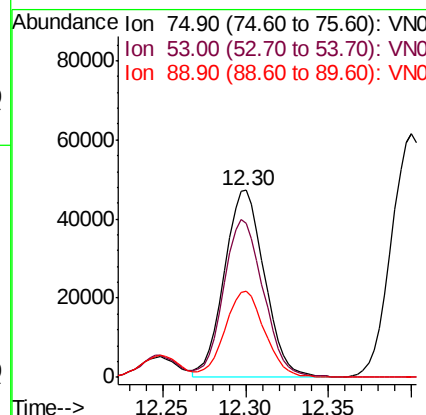
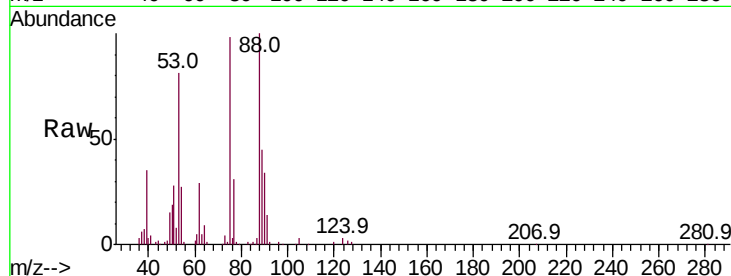
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	79737
Ion	Ratio	Lower	Upper
75	100		
53	83.7	68.1	102.1
89	45.8	36.9	55.3

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:28 AM



#82

4-Chlorotoluene

Concen: 46.457 ug/l

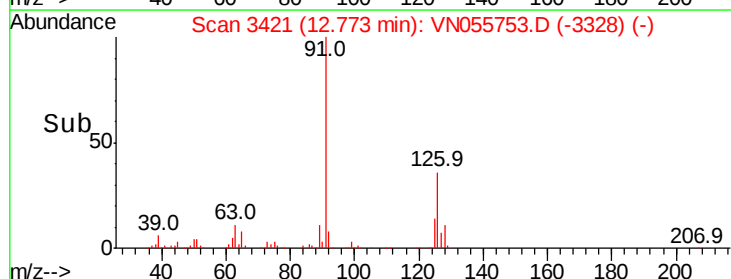
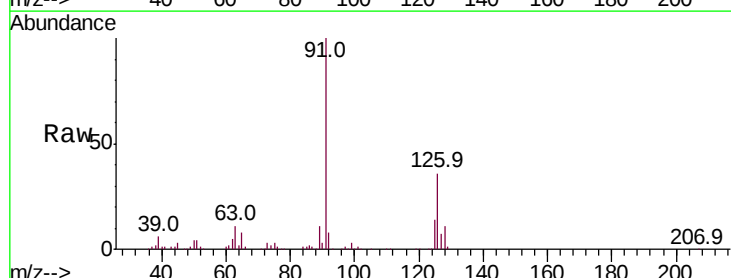
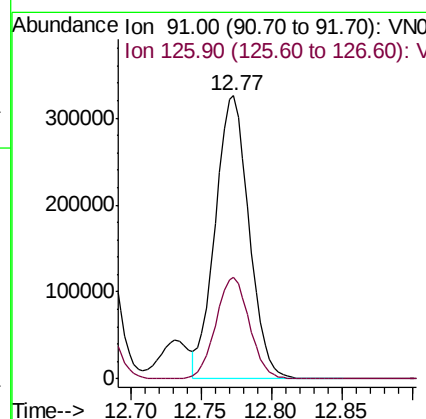
RT: 12.77 min Scan# 3421

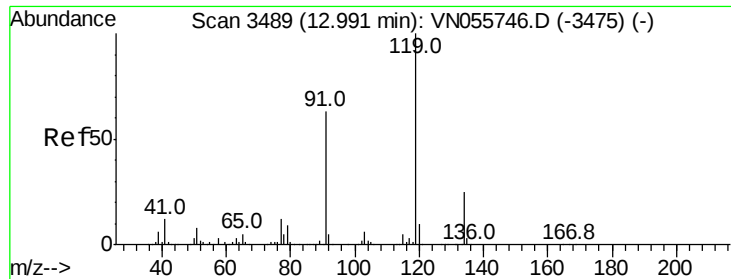
Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Tgt Ion:	91	Resp:	539566
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.3





#83

tert-Butylbenzene

Concen: 52.271 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

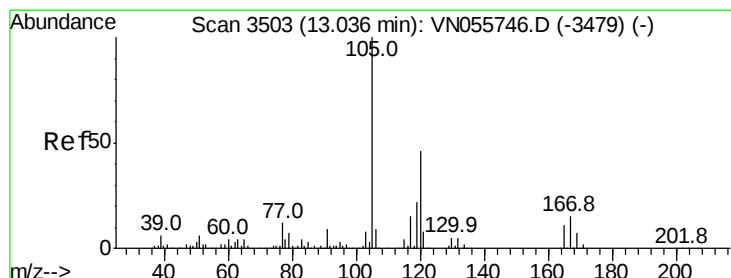
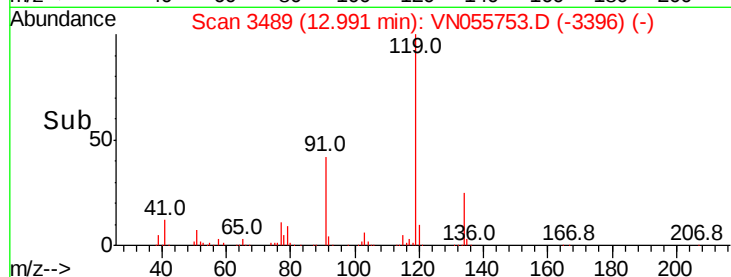
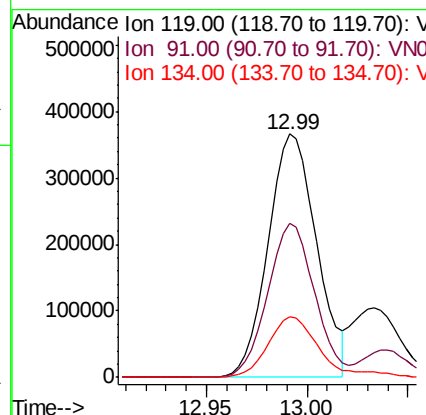
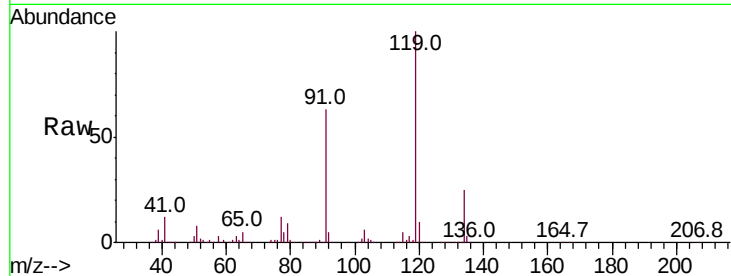
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	613383
Ion Ratio	Lower	Upper	
119	100		
91	61.3	30.9	92.8
134	26.4	13.3	39.8

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:28 AM



#84

1,2,4-Trimethylbenzene

Concen: 51.203 ug/l

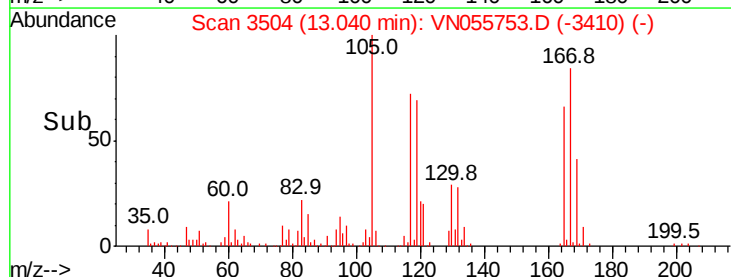
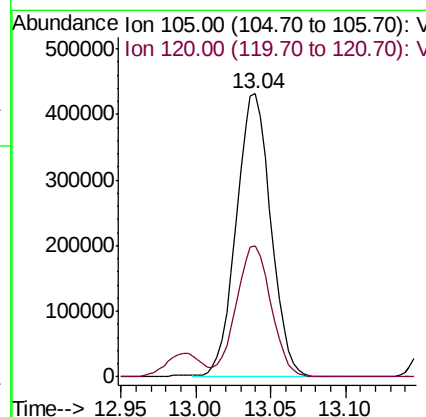
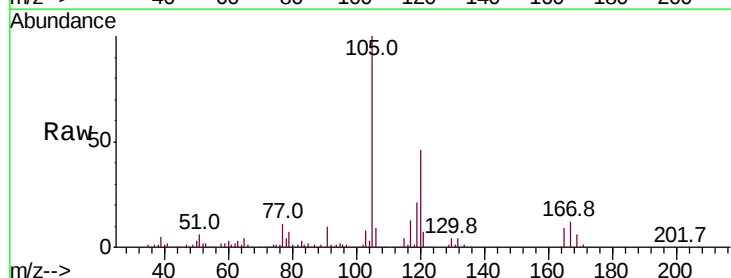
RT: 13.04 min Scan# 3504

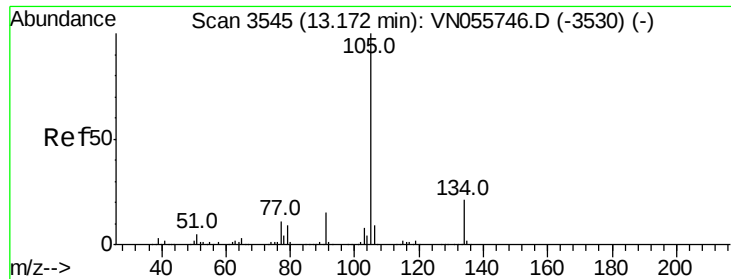
Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Tgt Ion:	105	Resp:	695036
Ion Ratio	Lower	Upper	
105	100		
120	46.7	23.0	69.0





#85

sec-Butylbenzene

Concen: 52.009 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 794458

Ion Ratio Lower Upper

105 100

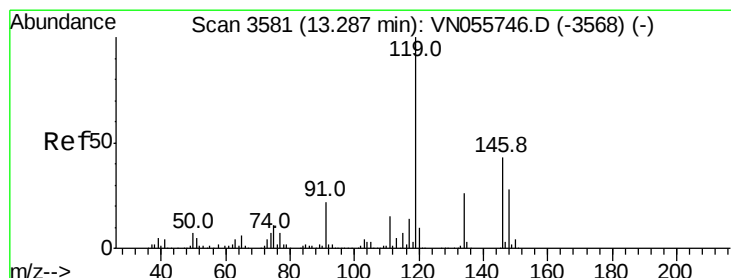
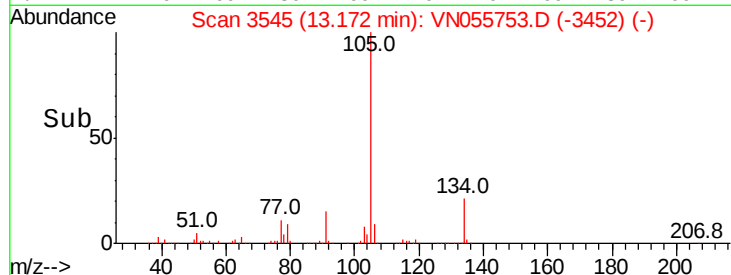
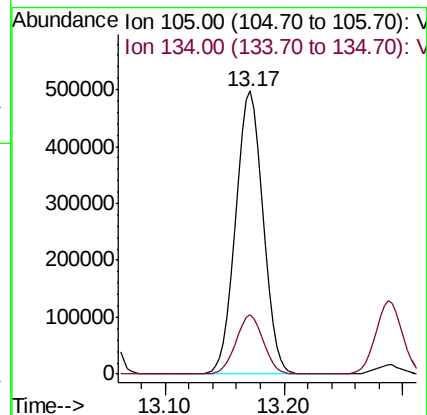
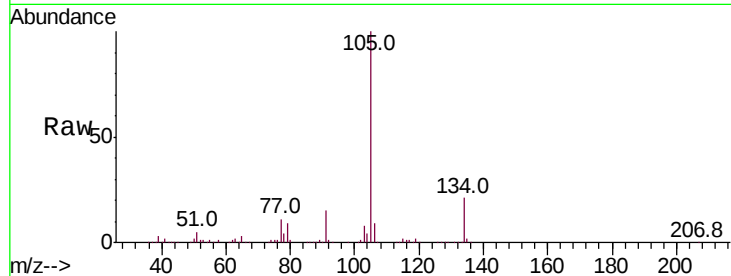
134 20.8 10.4 31.2

Manual Integrations

APPROVED

MMDadoda

5/24/2019 9:22:28 AM



#86

p-Isopropyltoluene

Concen: 47.051 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

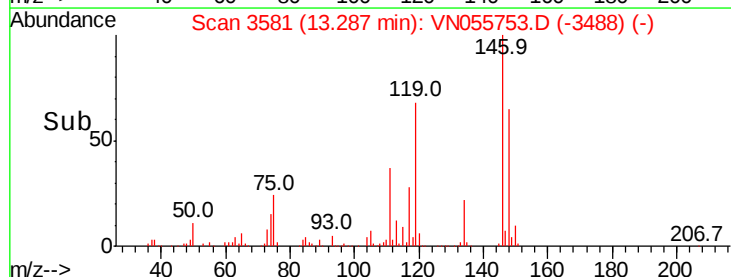
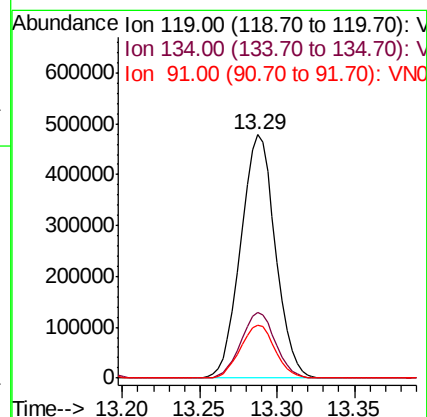
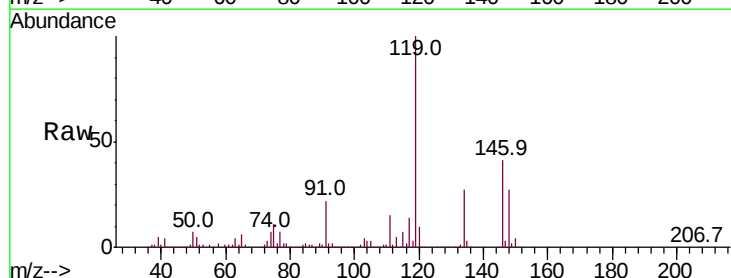
Tgt Ion:119 Resp: 742804

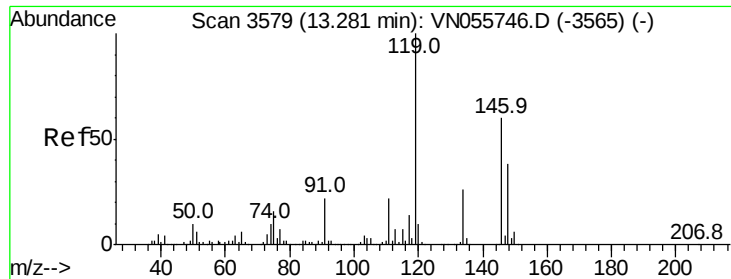
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.8 10.9 32.9





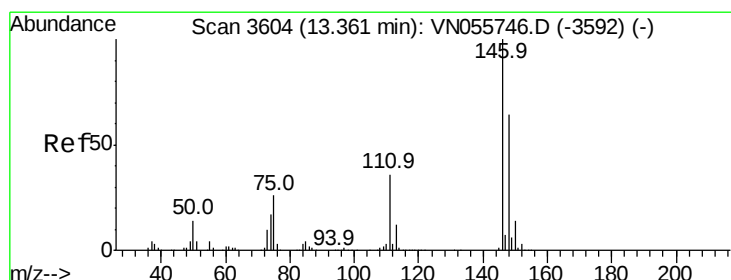
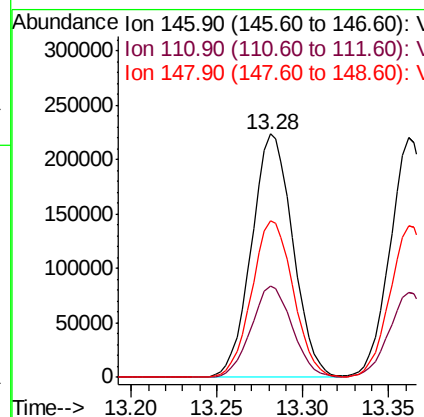
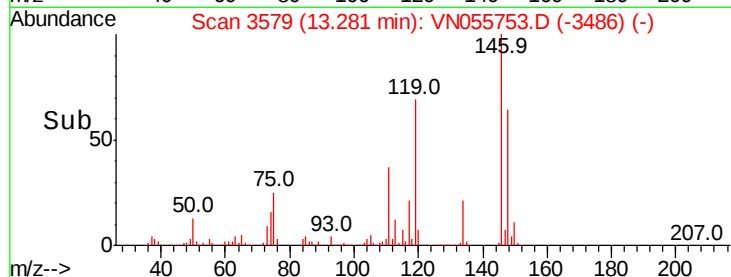
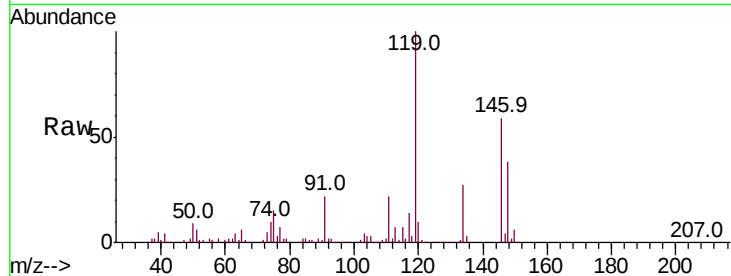
#87
 1,3-Dichlorobenzene
 Concen: 48.454 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.5	55.5
148	64.6	32.0	96.2

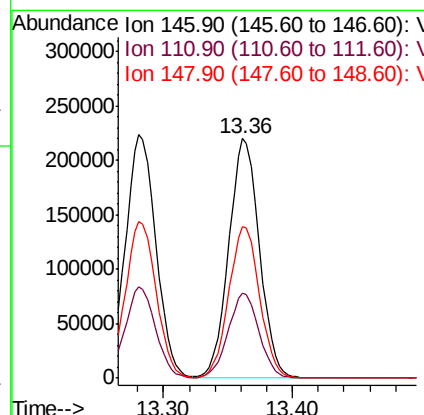
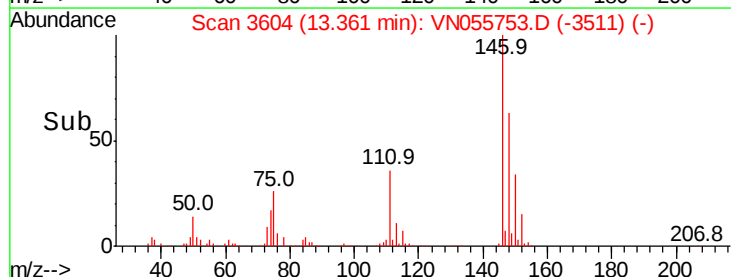
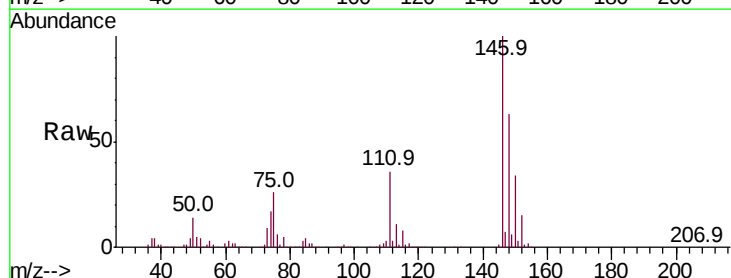
Manual Integrations
 APPROVED

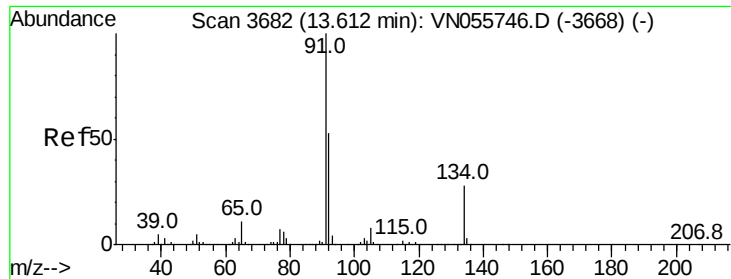
MMDadoda
 5/24/2019 9:22:28 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.595 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.1	54.4
148	63.8	32.1	96.5





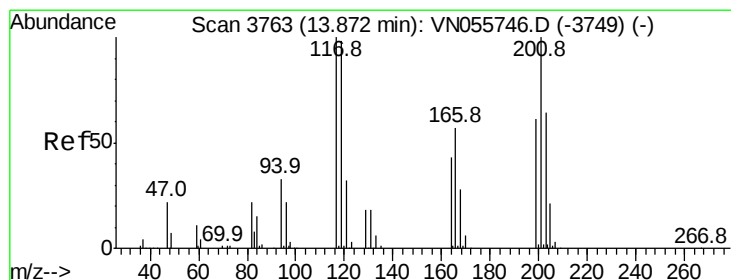
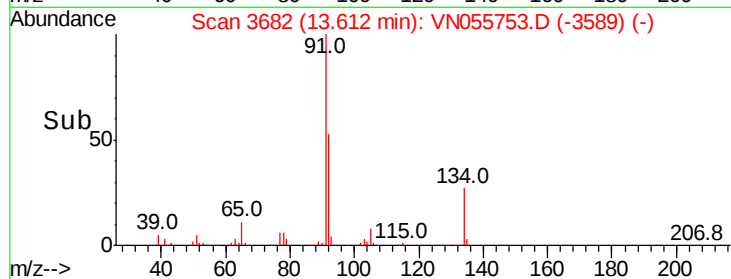
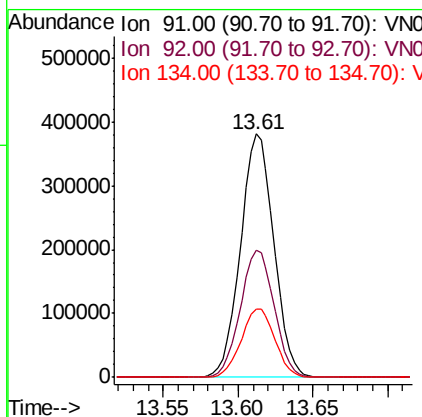
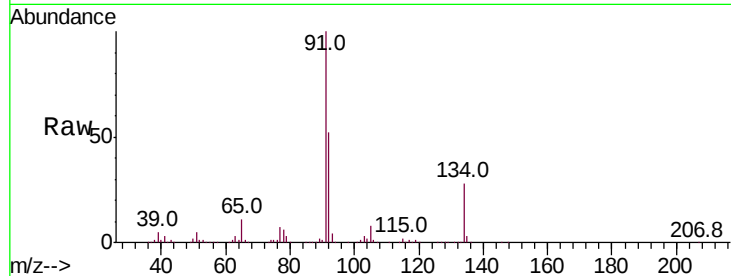
#89
n-Butylbenzene
Concen: 48.852 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.8	26.4	79.0	
134	28.4	13.9	41.7	

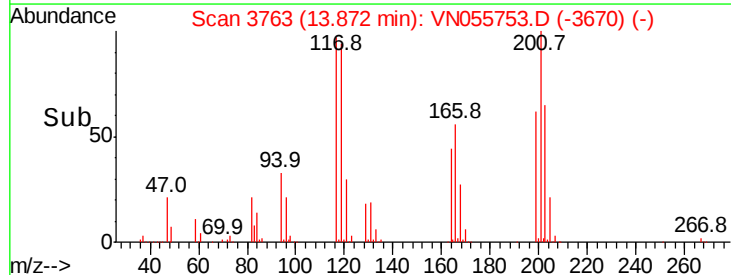
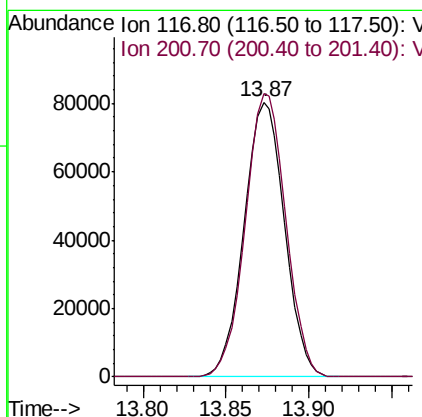
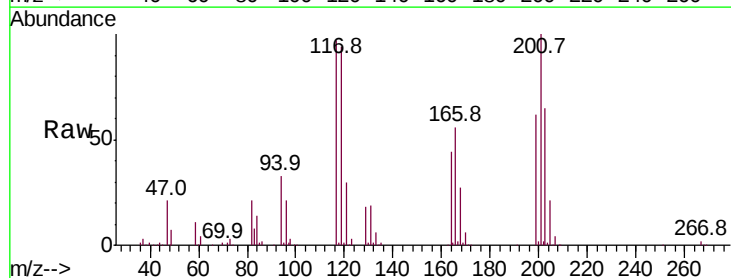
Manual Integrations
APPROVED

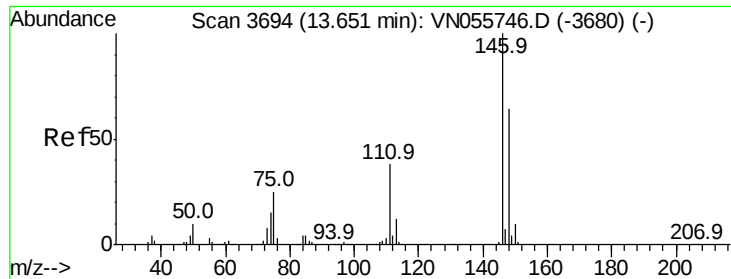
MMDadoda
5/24/2019 9:22:28 AM



#90
Hexachloroethane
Concen: 45.377 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	103.1	50.0	150.0	





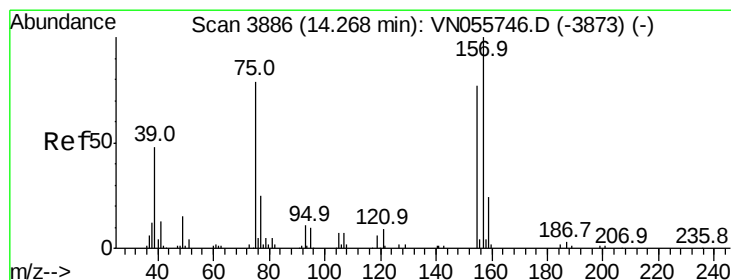
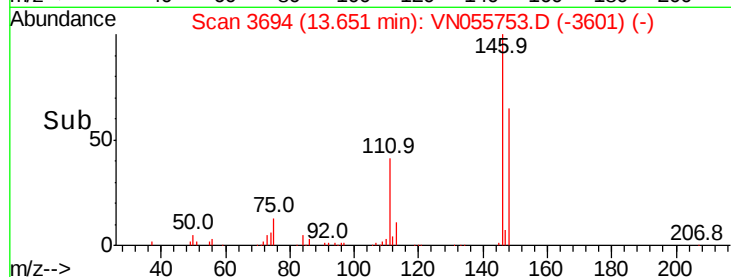
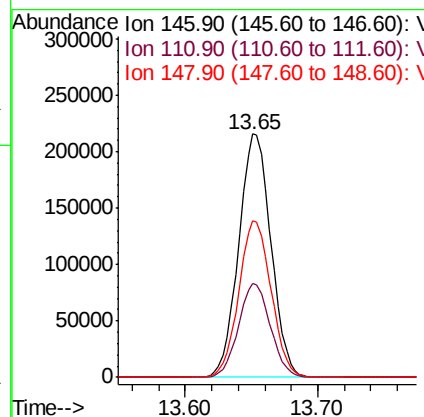
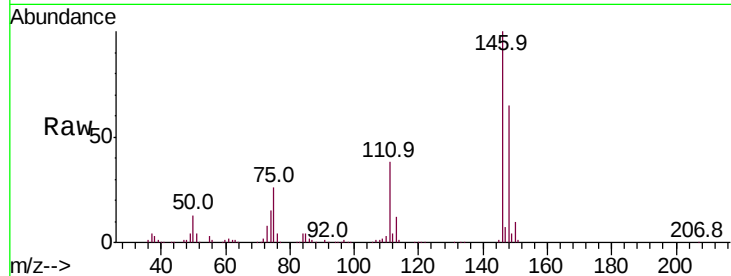
#91
 1,2-Dichlorobenzene
 Concen: 47.443 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.1	19.1	57.5	
148	64.5	31.9	95.9	

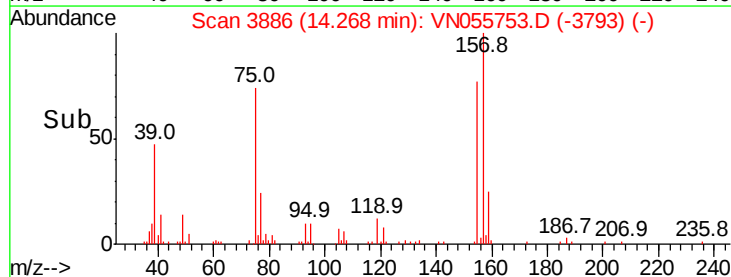
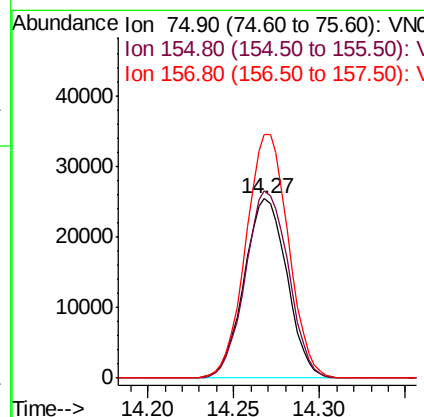
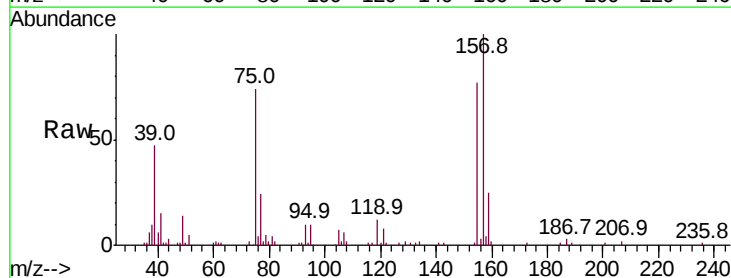
Manual Integrations
 APPROVED

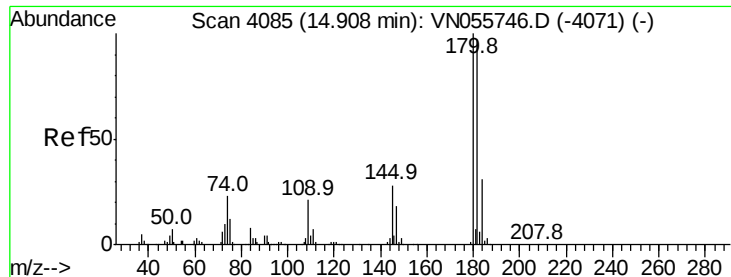
MMDadoda
 5/24/2019 9:22:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.502 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	104.9	50.0	150.1	
157	135.4	64.8	194.3	





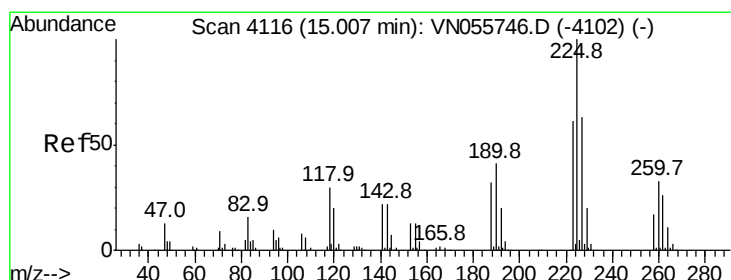
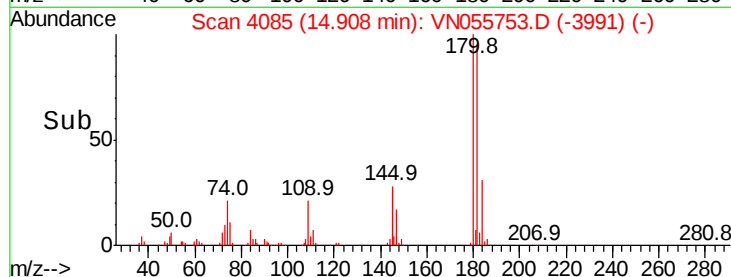
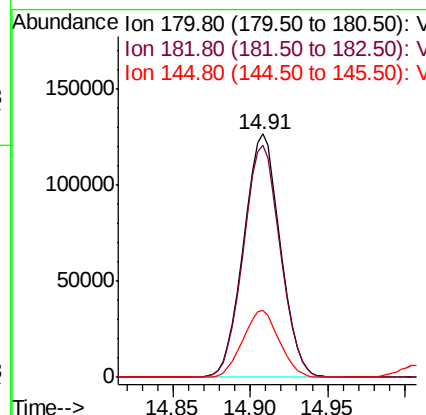
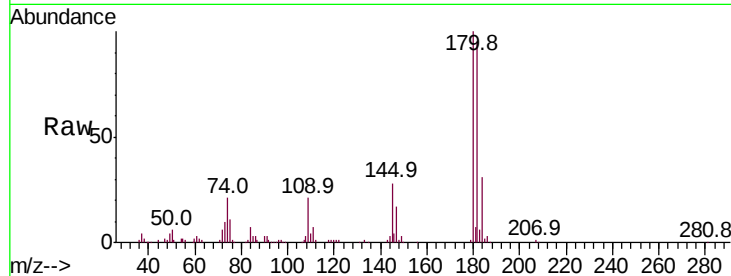
#93
 1,2,4-Trichlorobenzene
 Concen: 47.623 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	209157
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.3	144.9
145	27.4	14.0	41.9

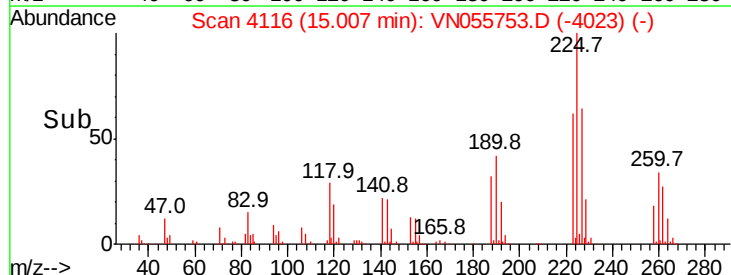
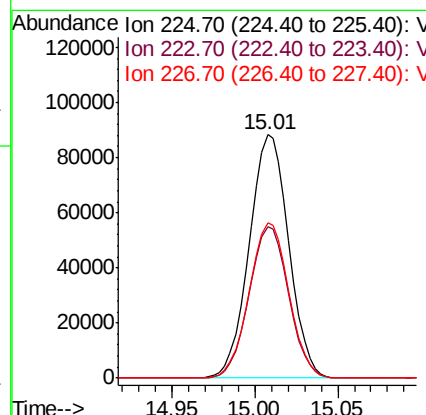
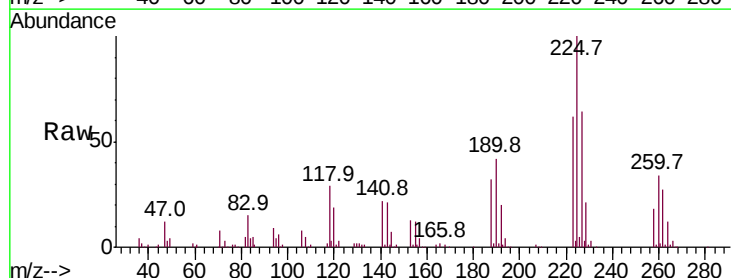
Manual Integrations
 APPROVED

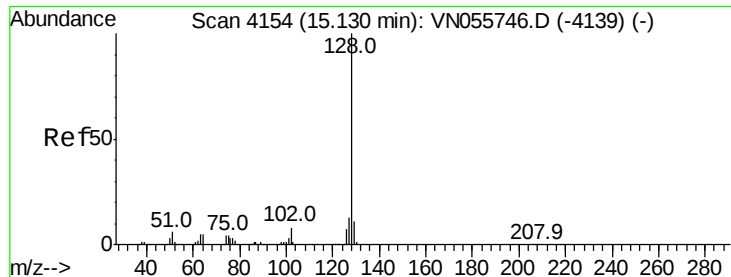
MMDadoda
 5/24/2019 9:22:28 AM



#94
 Hexachlorobutadiene
 Concen: 54.495 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion:	225	Resp:	146531
Ion Ratio	Lower	Upper	
225	100		
223	62.3	30.9	92.7
227	64.0	31.6	94.7





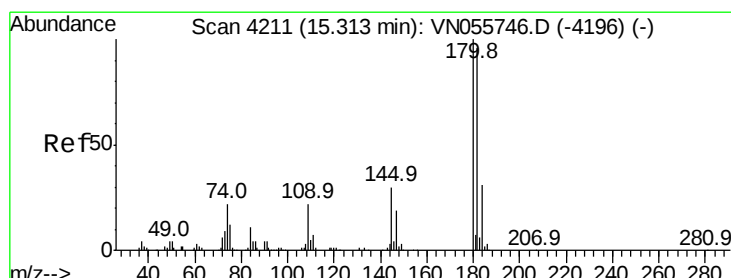
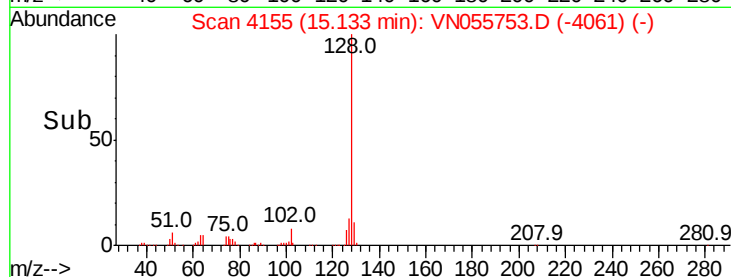
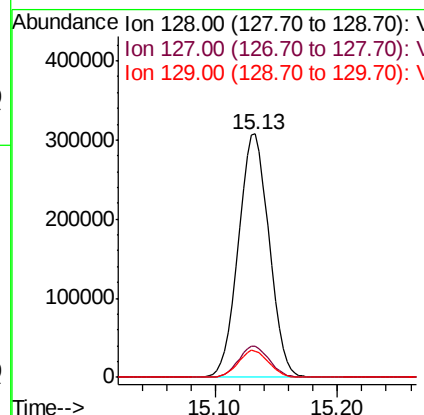
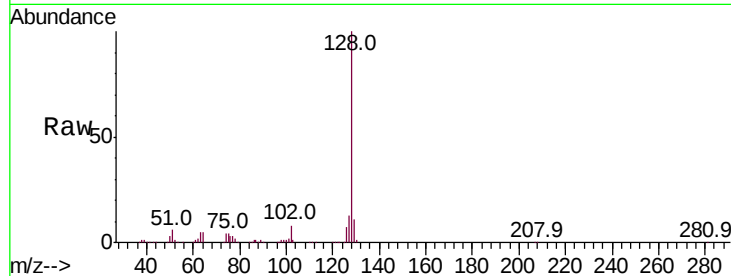
#95
Naphthalene
Concen: 50.959 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	12.8	10.3	15.5	
129	11.0	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.521 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	47.9	143.7	
145	29.2	14.9	44.7	

