

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056753.D
 Acq On : 16 Jul 2019 8:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 4:57:16 PM

Quant Time: Jul 17 01:18:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	355055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	529720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	479436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	229896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	183669	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
35) Dibromofluoromethane	7.59	113	164295	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.09	98	635984	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	223452	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	146550	43.957	ug/l	98
3) Chloromethane	2.06	50	189110	42.190	ug/l	100
4) Vinyl Chloride	2.19	62	192679	44.639	ug/l	99
5) Bromomethane	2.56	94	119571	47.106	ug/l	100
6) Chloroethane	2.70	64	112754	44.828	ug/l	100
7) Trichlorofluoromethane	3.01	101	249658	45.076	ug/l	98
8) Diethyl Ether	3.41	74	97712	45.250	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	155546	46.745	ug/l	99
10) Methyl Iodide	3.95	142	191014	42.917	ug/l	100
11) Tert butyl alcohol	4.78	59	130078	198.983	ug/l	100
12) 1,1-Dichloroethene	3.73	96	152907	45.812	ug/l	99
13) Acrolein	3.60	56	48641	219.223	ug/l	100
14) Allyl chloride	4.32	41	261627	45.326	ug/l	100
15) Acrylonitrile	4.98	53	412510	218.510	ug/l	99
16) Acetone	3.81	43	461870	255.199	ug/l	99
17) Carbon Disulfide	4.05	76	406551	46.094	ug/l	99
18) Methyl Acetate	4.32	43	167629	41.065	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	477654	44.915	ug/l	98
20) Methylene Chloride	4.55	84	174817	44.201	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	166933	47.315	ug/l	99
22) Diisopropyl ether	5.95	45	530680	46.578	ug/l	96
23) Vinyl Acetate	5.89	43	2202980	238.609	ug/l	100
24) 1,1-Dichloroethane	5.85	63	302176	45.745	ug/l	99
25) 2-Butanone	6.83	43	604006	228.271	ug/l	100
26) 2,2-Dichloropropane	6.82	77	228386	47.951	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	190988	47.044	ug/l	99
28) Bromochloromethane	7.19	49	132441	42.643	ug/l	100
29) Tetrahydrofuran	7.21	42	373510	216.427	ug/l	99
30) Chloroform	7.37	83	296200	44.810	ug/l	99
31) Cyclohexane	7.65	56	292886	46.650	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	244761	46.820	ug/l	100
36) 1,1-Dichloropropene	7.79	75	230749	47.074	ug/l	99
37) Ethyl Acetate	6.92	43	221277	45.802	ug/l	99
38) Carbon Tetrachloride	7.77	117	216696	47.139	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056753.D
 Acq On : 16 Jul 2019 8:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 4:57:16 PM

Quant Time: Jul 17 01:18:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	302196	49.929	ug/l	99
40) Benzene	8.04	78	704298	46.892	ug/l	99
41) Methacrylonitrile	7.17	41	93131	43.885	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	221404	46.642	ug/l	100
43) Isopropyl Acetate	8.16	43	361284	47.568	ug/l	99
44) Trichloroethene	8.83	130	197145	48.336	ug/l	96
45) 1,2-Dichloropropane	9.12	63	188662	47.273	ug/l	100
46) Dibromomethane	9.21	93	119303	48.239	ug/l	99
47) Bromodichloromethane	9.40	83	228151	48.546	ug/l	97
48) Methyl methacrylate	9.20	41	174395	47.479	ug/l	100
49) 1,4-Dioxane	9.20	88	55961	742.506	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1112694	226.193	ug/l	100
52) Toluene	10.15	92	437002	48.993	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	250062	50.999	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	284432	49.989	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	173243	46.307	ug/l	99
56) Ethyl methacrylate	10.43	69	266441	49.496	ug/l	99
57) 1,3-Dichloropropane	10.71	76	290317	47.512	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	582614	225.071	ug/l	98
59) 2-Hexanone	10.75	43	846723	239.884	ug/l	100
60) Dibromochloromethane	10.90	129	181027	49.200	ug/l	98
61) 1,2-Dibromoethane	11.00	107	180885	48.650	ug/l	100
64) Tetrachloroethene	10.63	164	194313	46.979	ug/l	99
65) Chlorobenzene	11.43	112	470420	47.987	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	171500	47.514	ug/l	98
67) Ethyl Benzene	11.51	91	842726	48.915	ug/l	99
68) m/p-Xylenes	11.62	106	635152	98.647	ug/l	100
69) o-Xylene	11.95	106	300249	47.433	ug/l	98
70) Styrene	11.96	104	523003	51.106	ug/l	99
71) Bromoform	12.12	173	134639	49.025	ug/l #	98
73) Isopropylbenzene	12.25	105	811356	43.770	ug/l	100
74) N-amyl acetate	12.07	43	293946	42.579	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	243367	45.150	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	210010m	41.767	ug/l	
77) Bromobenzene	12.52	156	212125	43.751	ug/l	98
78) n-propylbenzene	12.59	91	937607	45.561	ug/l	100
79) 2-Chlorotoluene	12.67	91	544369	47.797	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	694864	44.229	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	72422	44.482	ug/l	99
82) 4-Chlorotoluene	12.77	91	553365	45.820	ug/l	100
83) tert-Butylbenzene	12.99	119	582467	47.487	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	693936	45.213	ug/l	100
85) sec-Butylbenzene	13.17	105	789885	45.247	ug/l	99
86) p-Isopropyltoluene	13.29	119	731554	46.258	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	366805	46.163	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	358616	46.399	ug/l	99
89) n-Butylbenzene	13.61	91	648030	50.871	ug/l	100
90) Hexachloroethane	13.87	117	112572	44.018	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	357913	44.042	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41841	42.094	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
Data File : VN056753.D
Acq On : 16 Jul 2019 8:56
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

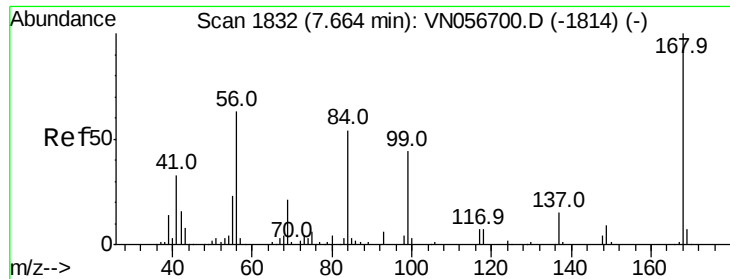
Manual Integrations
APPROVED

MMDadoda
7/17/2019 4:57:16 PM

Quant Time: Jul 17 01:18:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	201880	45.338	ug/l	99
94) Hexachlorobutadiene	15.01	225	125208	49.014	ug/l	99
95) Naphthalene	15.13	128	497091	41.230	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	200894	45.397	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: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 355055

Ion Ratio Lower Upper

168 100

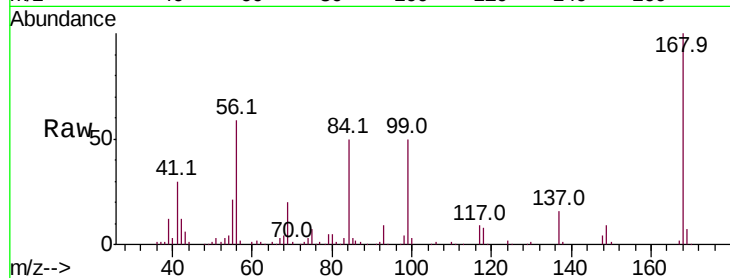
99 50.3 39.4 59.2

Manual Integrations

APPROVED

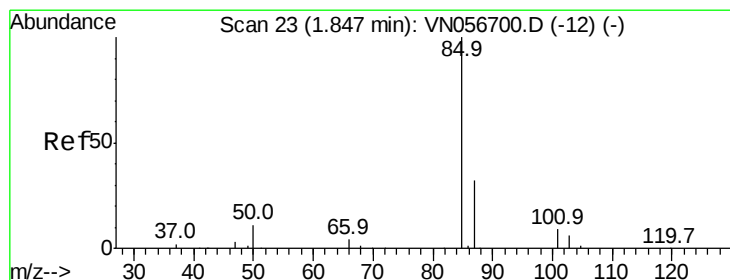
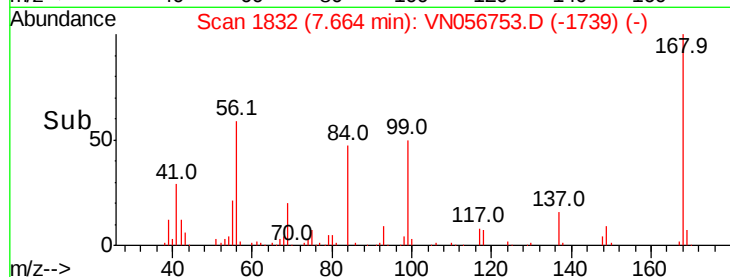
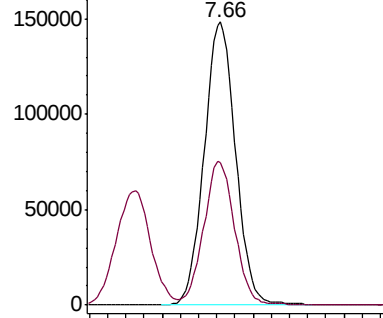
MMDadoda

7/17/2019 4:57:16 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.957 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056753.D

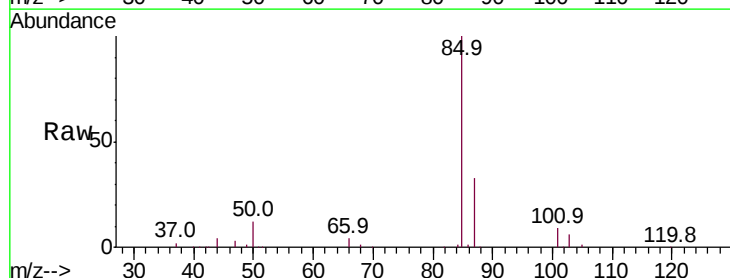
Acq: 16 Jul 2019 8:56

Tgt Ion: 85 Resp: 146550

Ion Ratio Lower Upper

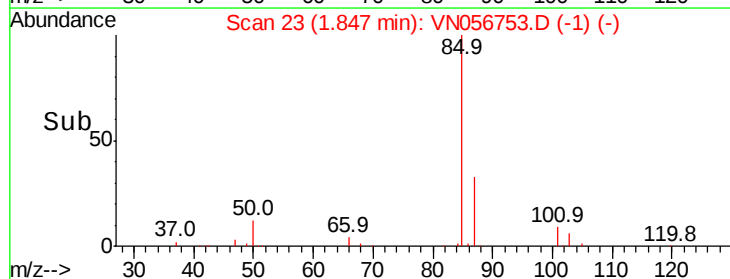
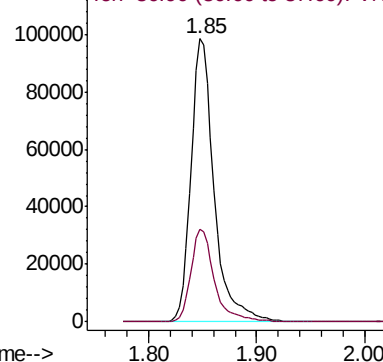
85 100

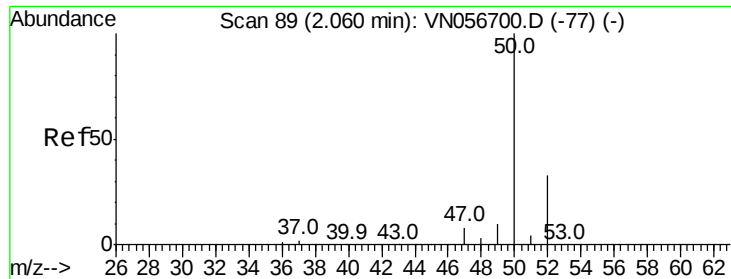
87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.190 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 189110

Ion Ratio Lower Upper

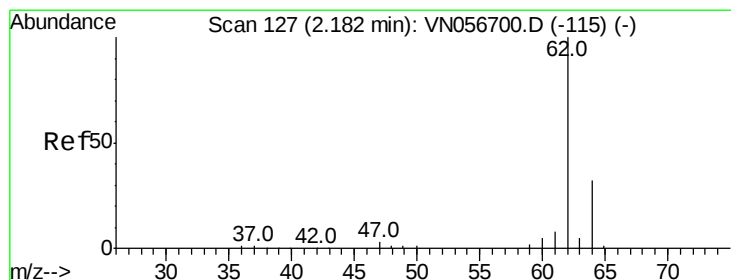
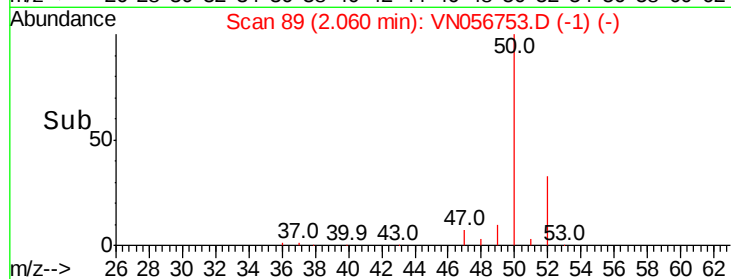
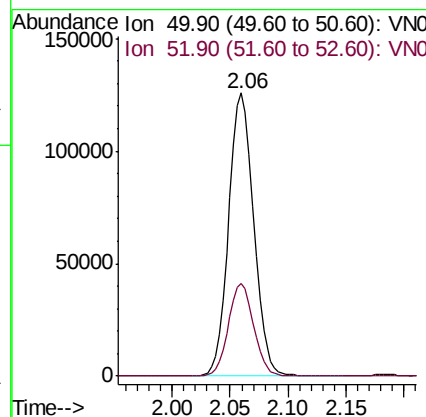
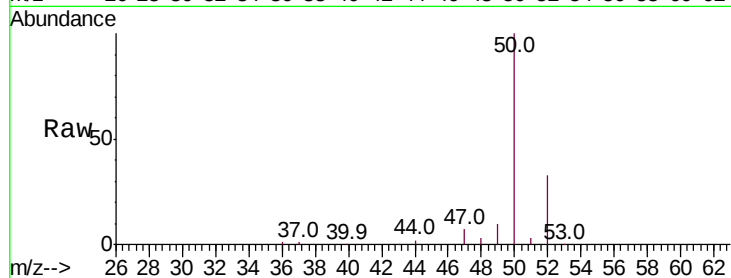
50 100

52 32.9 26.5 39.7

Manual Integrations
APPROVED

MMDadoda

7/17/2019 4:57:16 PM



#4

Vinyl Chloride

Concen: 44.639 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056753.D

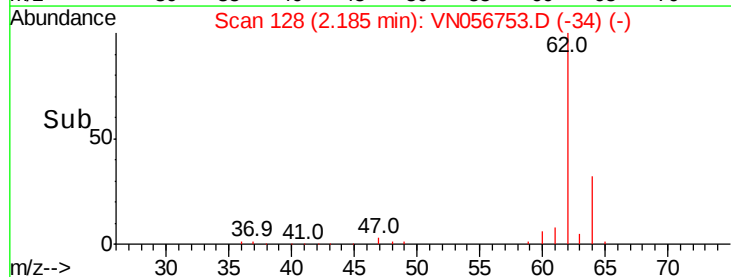
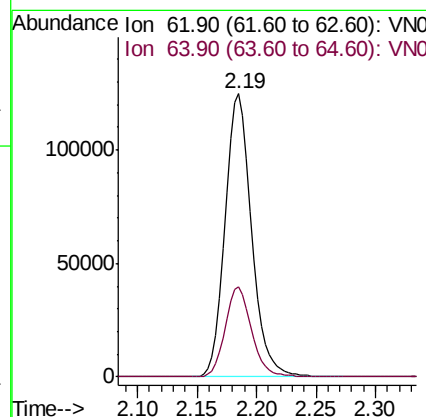
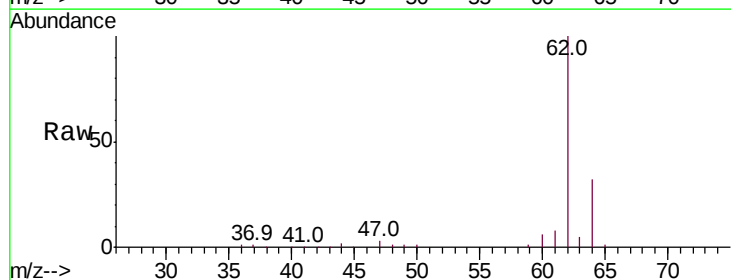
Acq: 16 Jul 2019 8:56

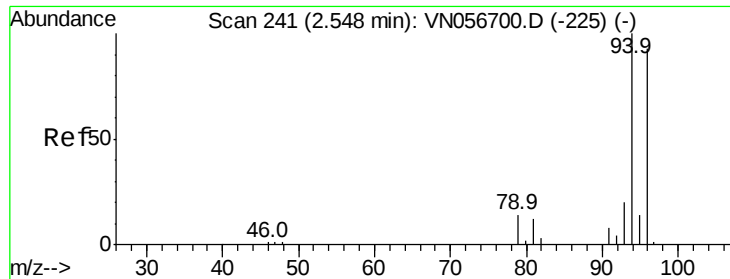
Tgt Ion: 62 Resp: 192679

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 47.106 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.01 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 119571

Ion Ratio Lower Upper

94 100

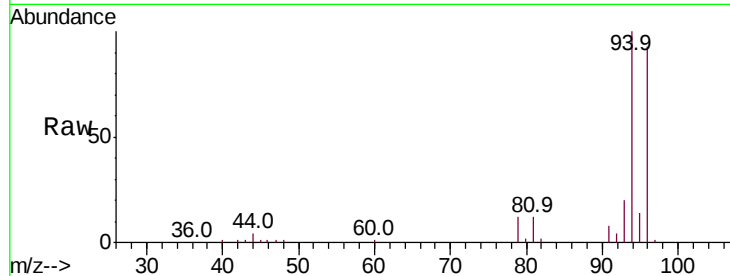
96 92.5 74.0 111.0

Manual Integrations

APPROVED

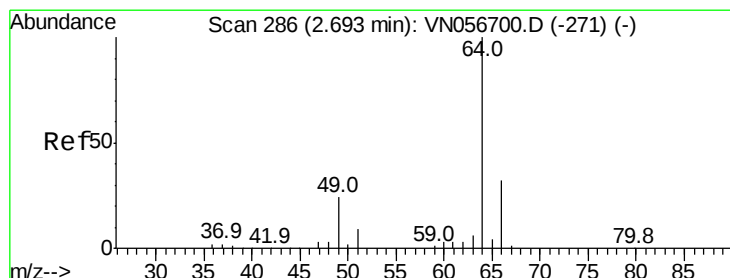
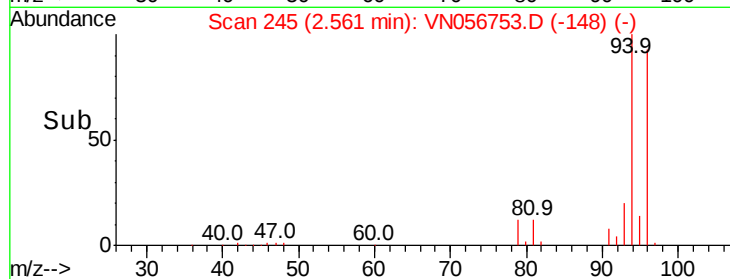
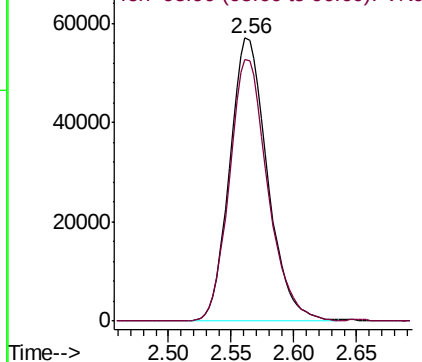
MMDadoda

7/17/2019 4:57:16 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.828 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN056753.D

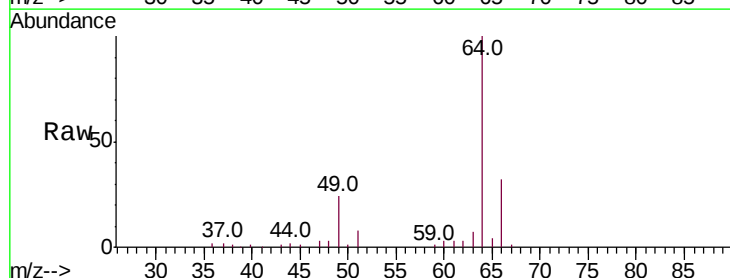
Acq: 16 Jul 2019 8:56

Tgt Ion: 64 Resp: 112754

Ion Ratio Lower Upper

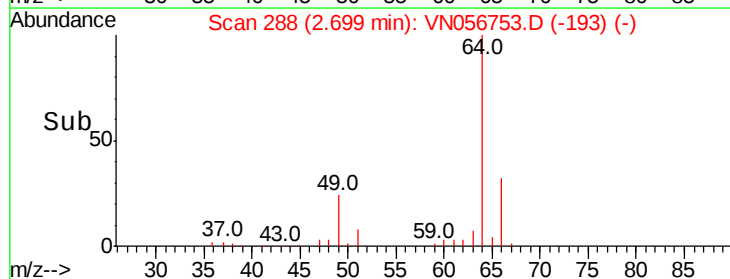
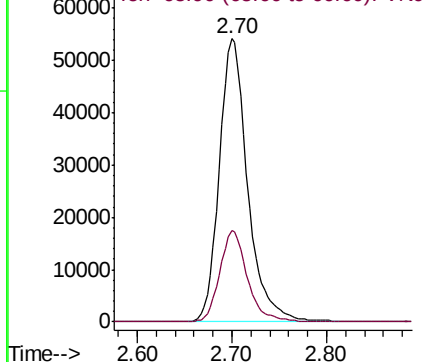
64 100

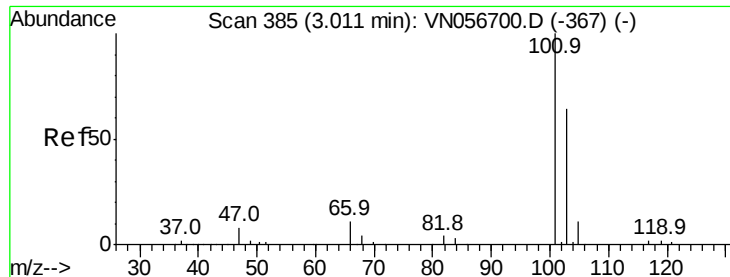
66 32.1 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

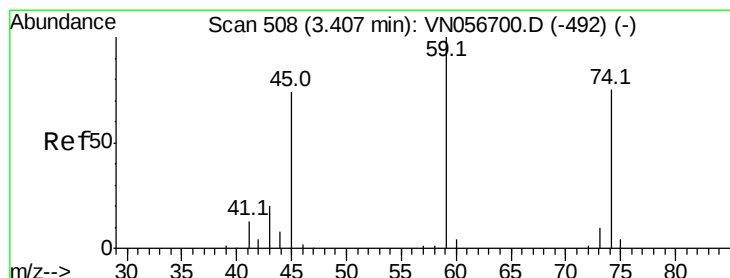
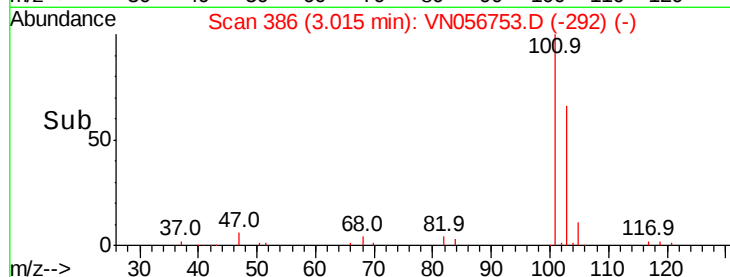
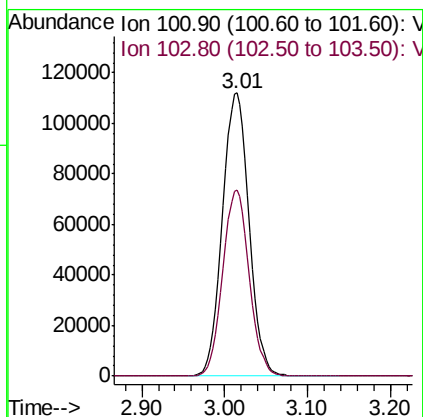
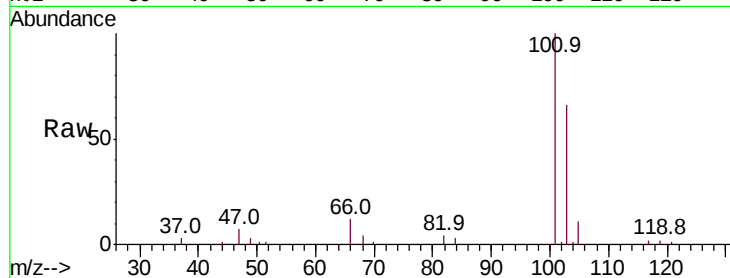
Trichlorofluoromethane
Concen: 45.076 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 249658
Ion Ratio Lower Upper
101 100
103 65.9 51.5 77.3

Manual Integrations
APPROVED

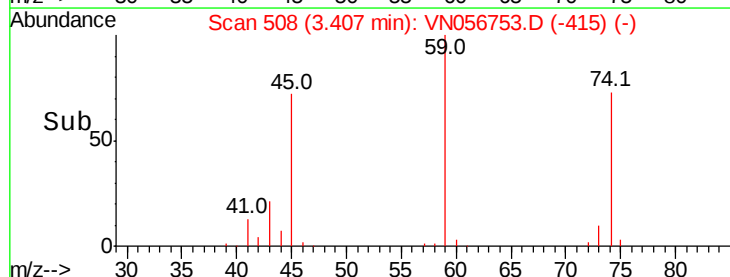
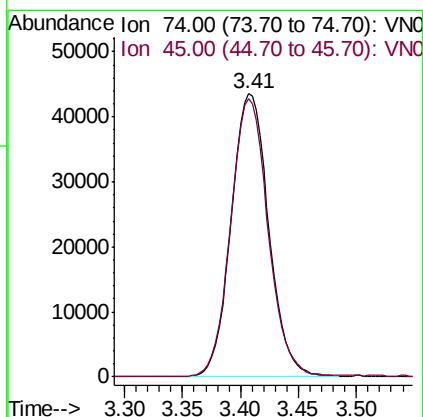
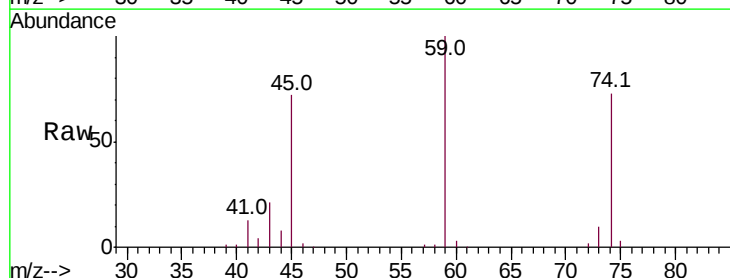
MMDadoda
7/17/2019 4:57:16 PM

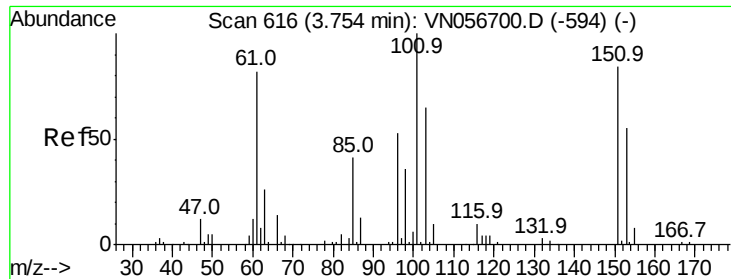


#8

Diethyl Ether
Concen: 45.250 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion: 74 Resp: 97712
Ion Ratio Lower Upper
74 100
45 98.5 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.745 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

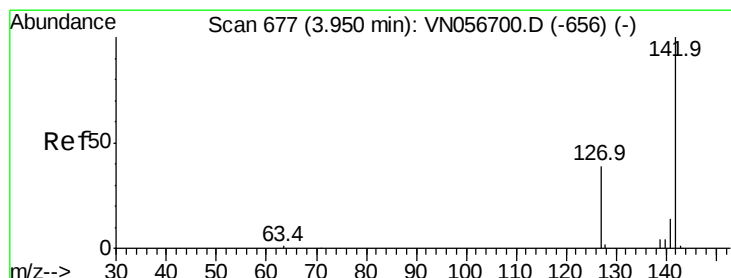
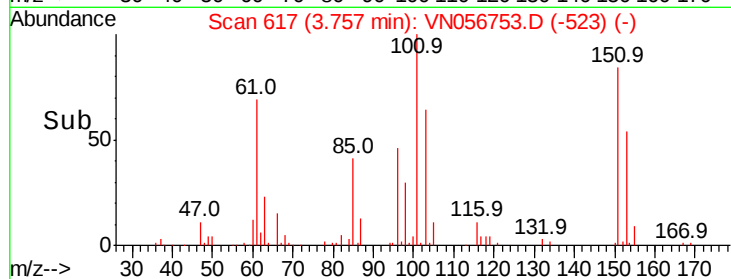
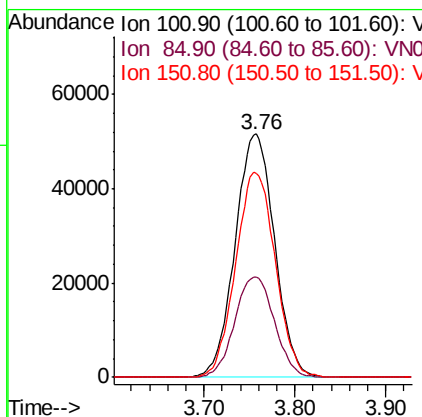
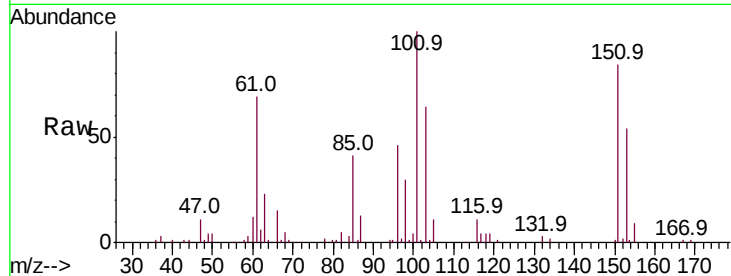
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	155546
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.3	49.9
151	84.7	67.0	100.6

Manual Integrations
APPROVED

MMDadoda
7/17/2019 4:57:16 PM



#10

Methyl Iodide

Concen: 42.917 ug/l

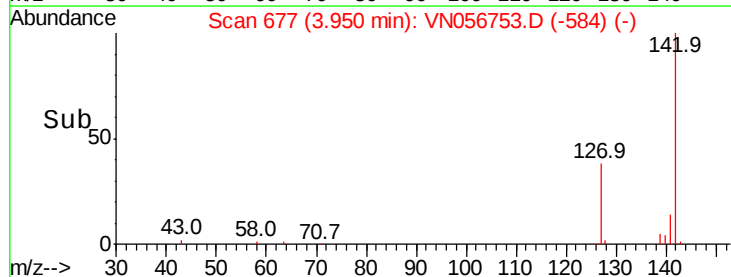
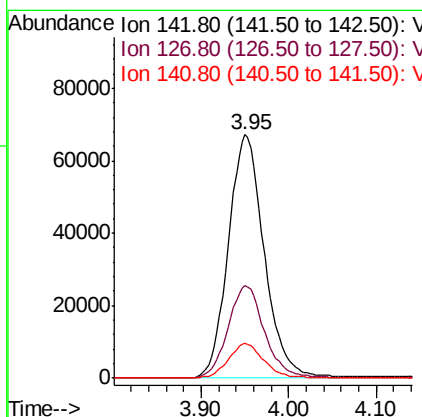
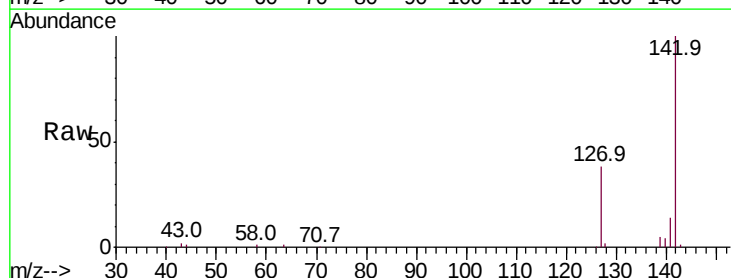
RT: 3.95 min Scan# 677

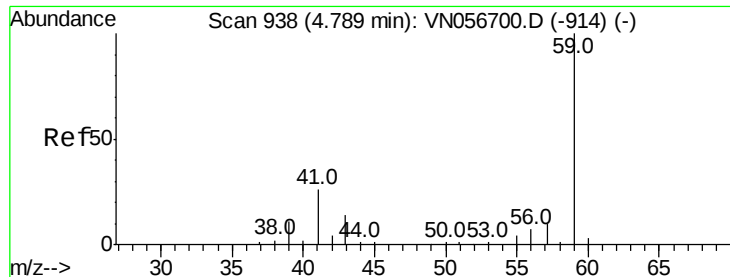
Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Tgt Ion:	142	Resp:	191014
Ion Ratio	Lower	Upper	
142	100		
127	38.8	30.7	46.1
141	14.1	11.3	16.9





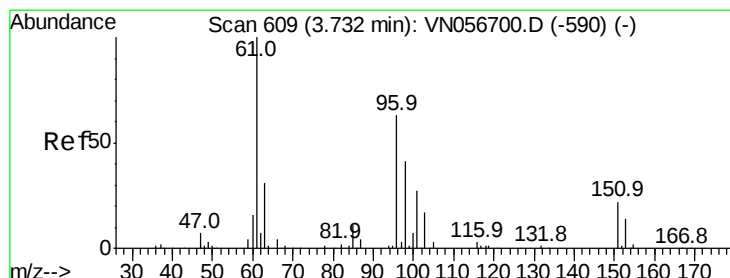
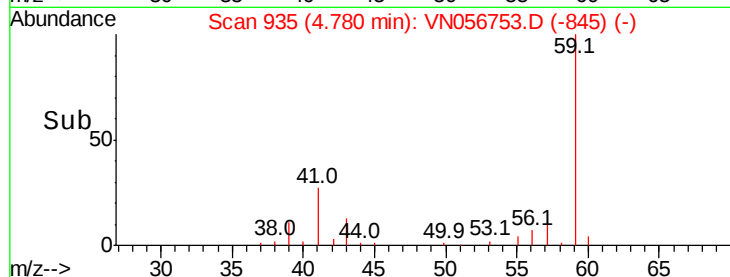
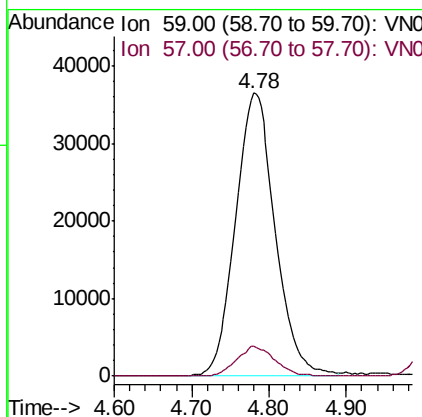
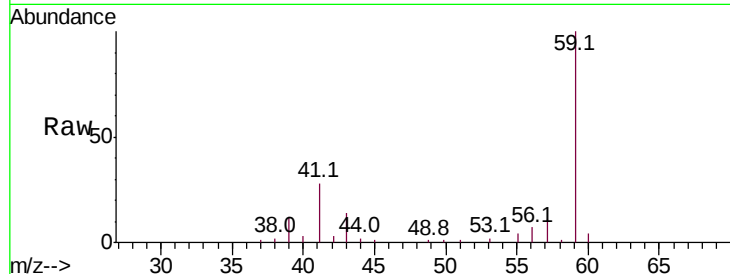
#11
Tert butyl alcohol
Concen: 198.983 ug/l
RT: 4.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

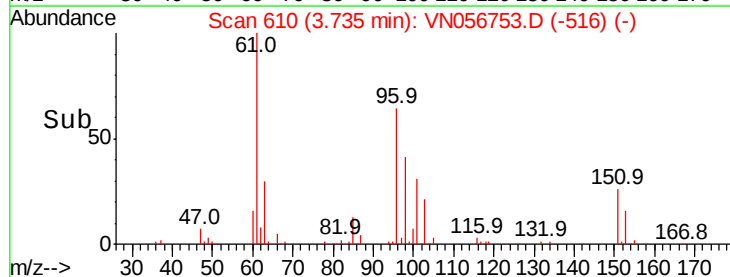
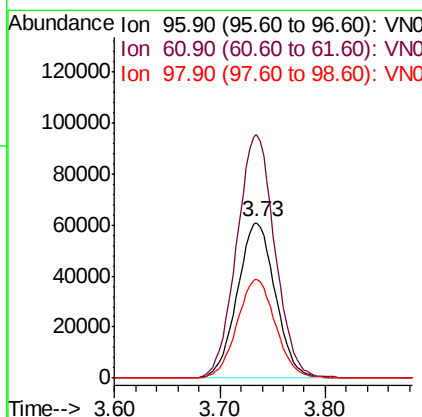
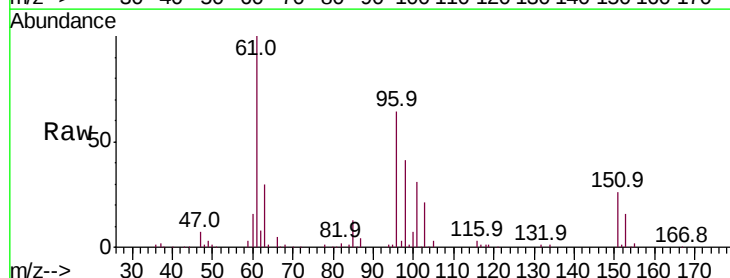
Manual Integrations
APPROVED

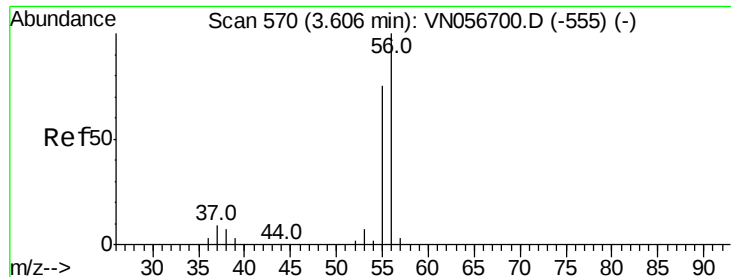
MMDadoda
7/17/2019 4:57:16 PM



#12
1,1-Dichloroethene
Concen: 45.812 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.3	126.6	189.8
98	63.7	51.4	77.2





#13

Acrolein

Concen: 219.223 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 48641

Ion Ratio Lower Upper

56 100

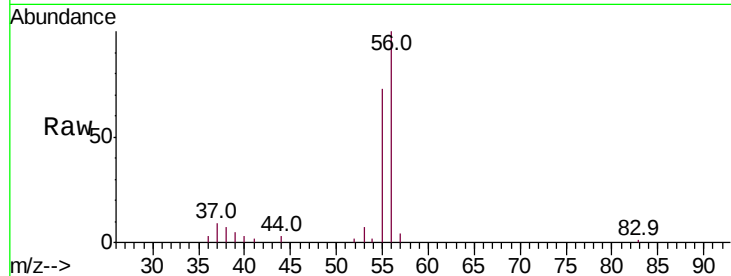
55 72.3 58.0 87.0

Manual Integrations

APPROVED

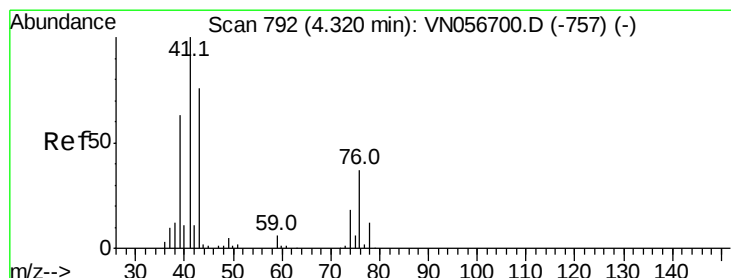
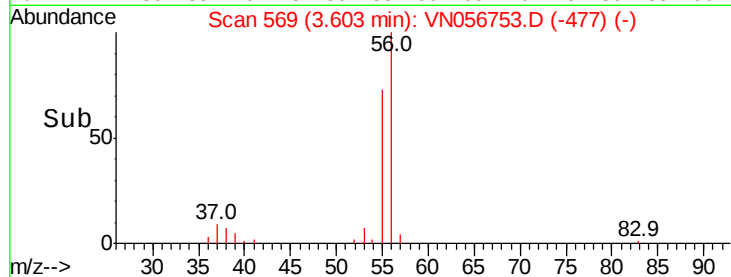
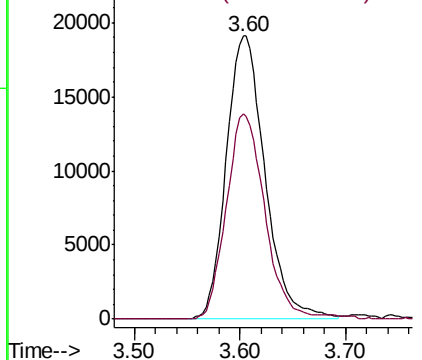
MMDadoda

7/17/2019 4:57:16 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.326 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

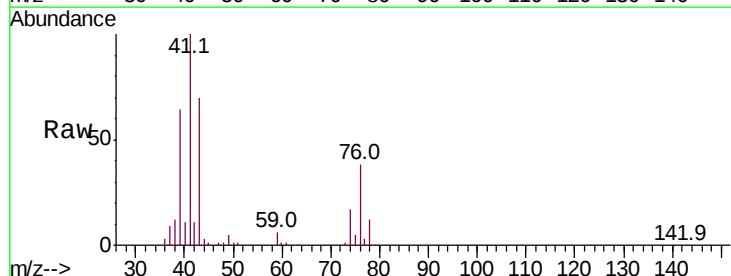
Tgt Ion: 41 Resp: 261627

Ion Ratio Lower Upper

41 100

39 58.7 46.9 70.3

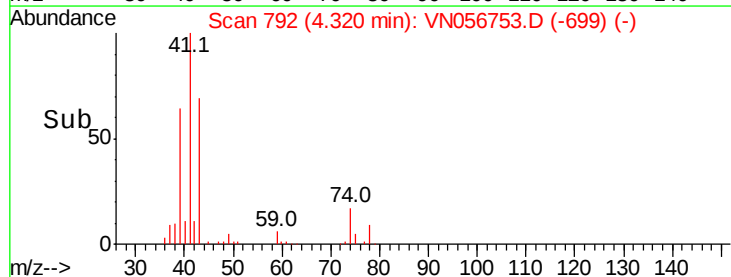
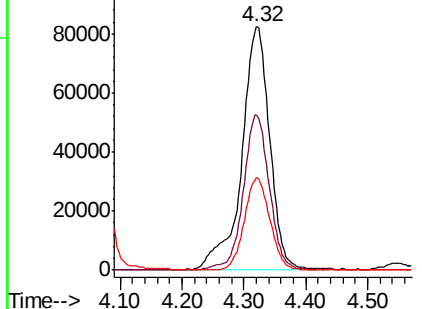
76 33.4 26.5 39.7

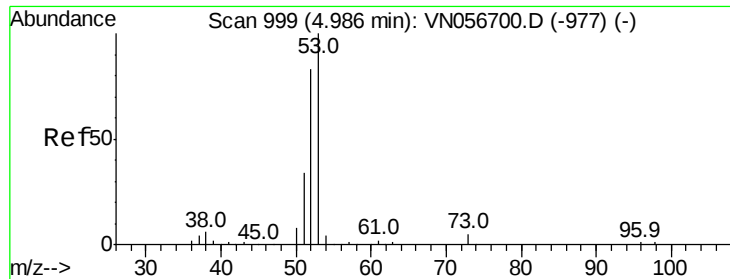


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 218.510 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

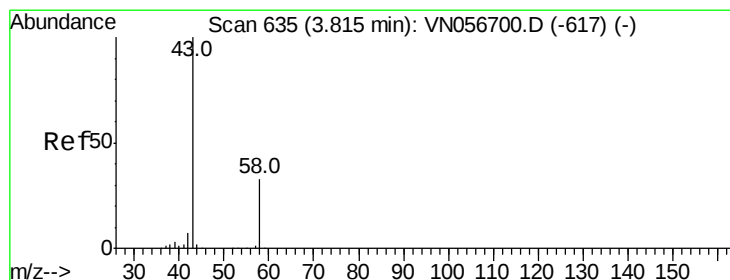
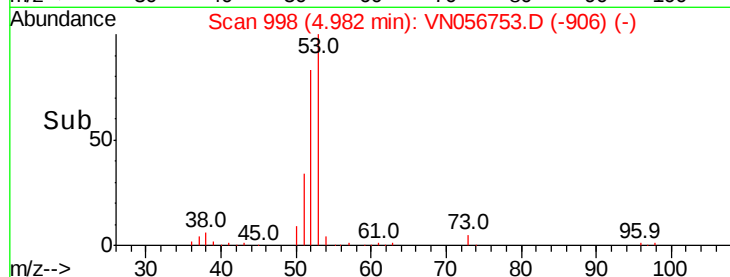
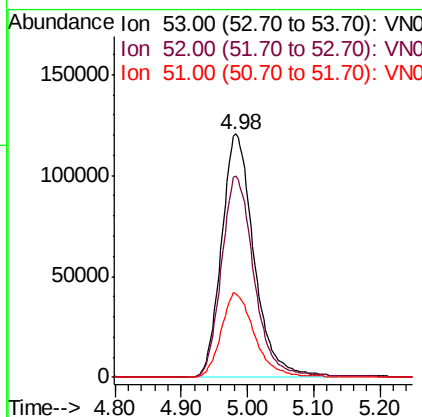
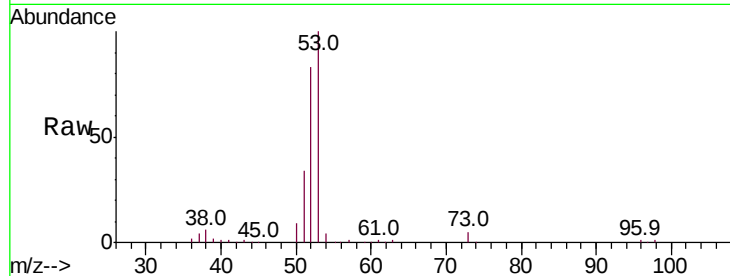
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	412510
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.6	99.8
51	35.6	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
7/17/2019 4:57:16 PM



#16

Acetone

Concen: 255.199 ug/l

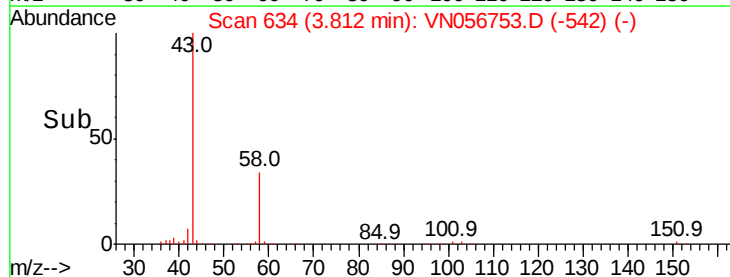
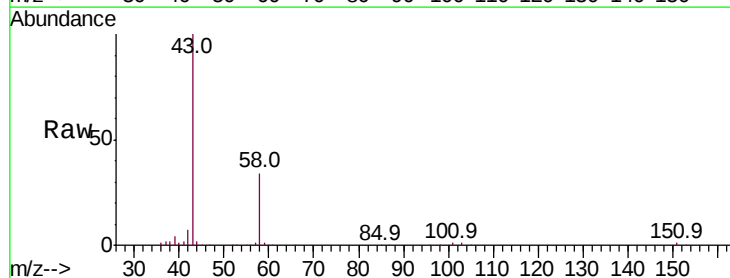
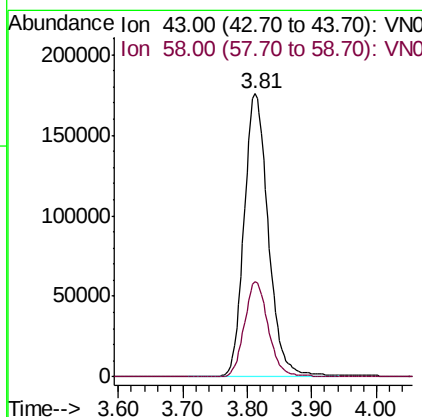
RT: 3.81 min Scan# 634

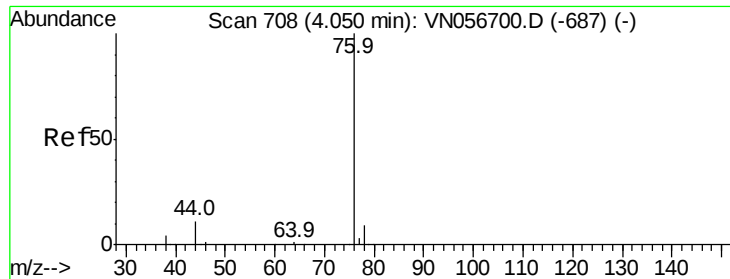
Delta R.T. -0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Tgt Ion:	43	Resp:	461870
Ion Ratio	Lower	Upper	
43	100		
58	33.7	26.7	40.1





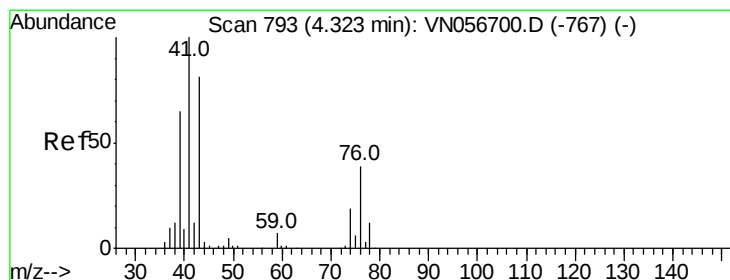
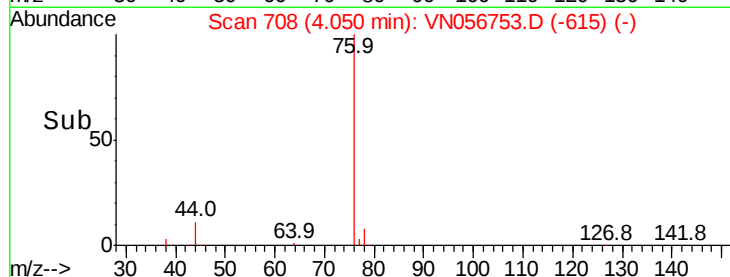
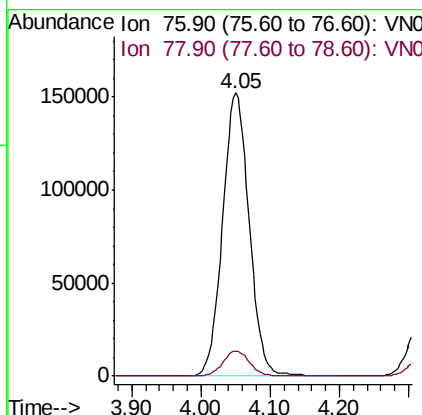
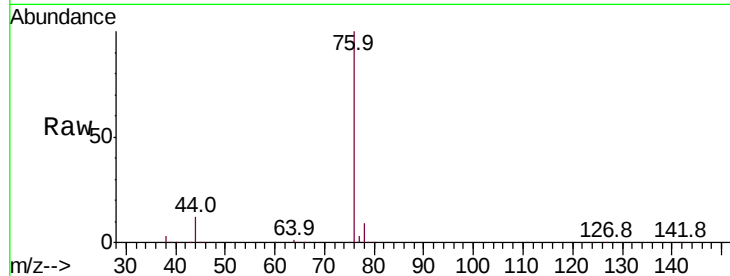
#17
Carbon Disulfide
Concen: 46.094 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 406551
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0

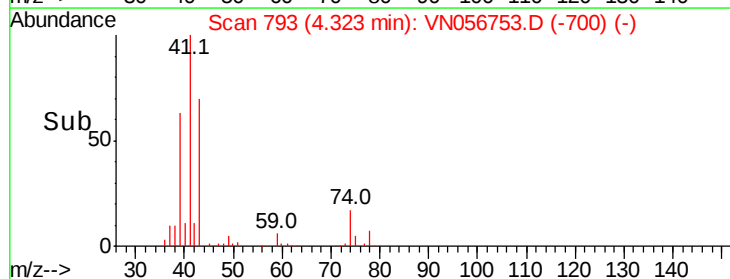
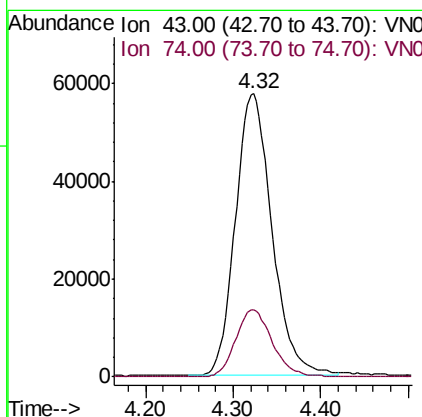
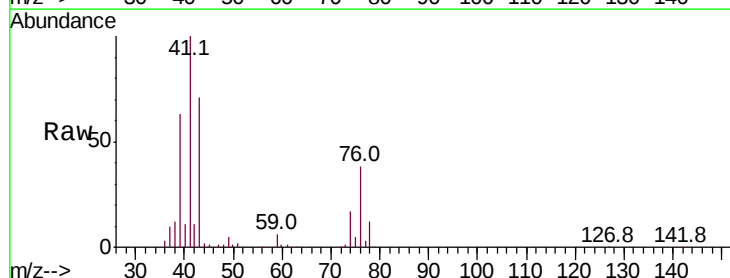
Manual Integrations
APPROVED

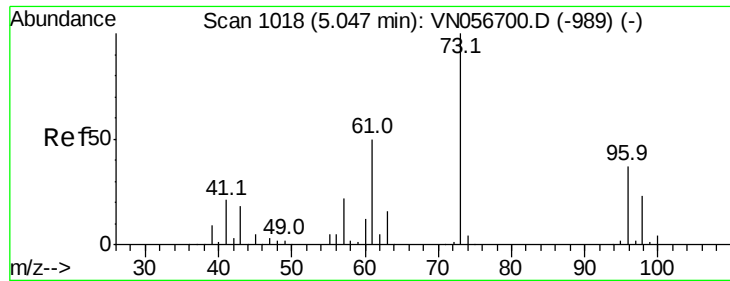
MMDadoda
7/17/2019 4:57:16 PM



#18
Methyl Acetate
Concen: 41.065 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion: 43 Resp: 167629
Ion Ratio Lower Upper
43 100
74 23.9 18.9 28.3





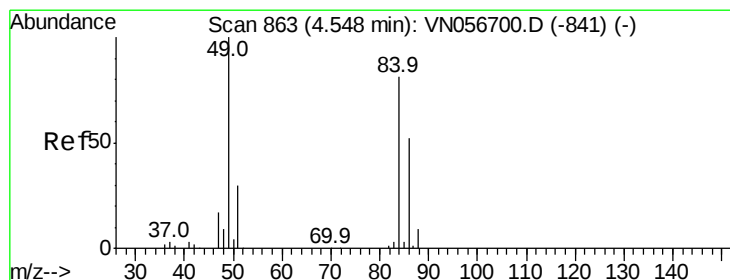
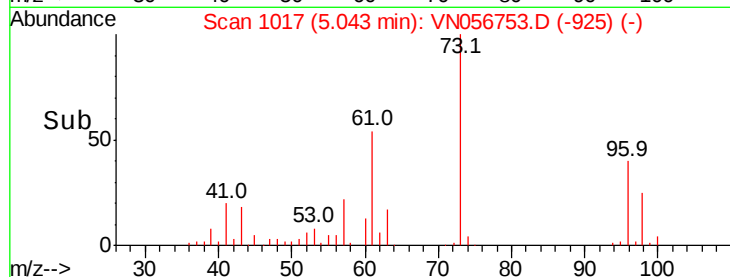
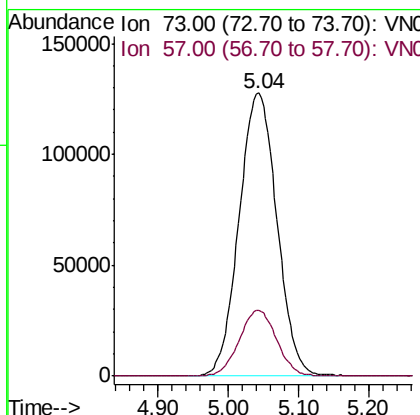
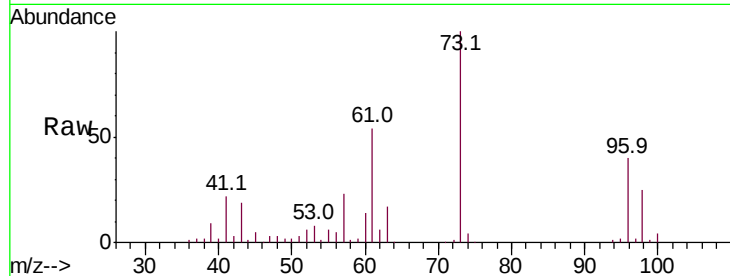
#19
Methyl tert-butyl Ether
Concen: 44.915 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 477654
Ion Ratio Lower Upper
73 100
57 23.3 17.9 26.9

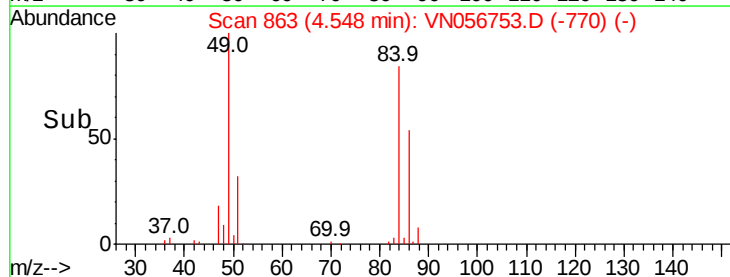
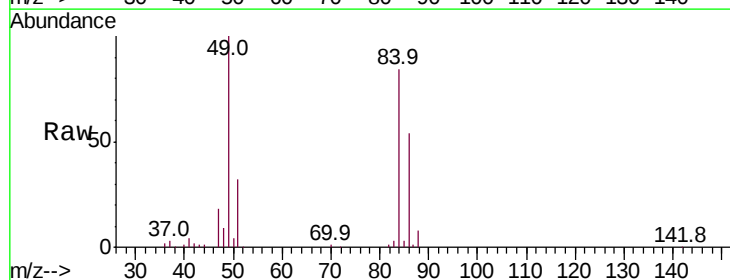
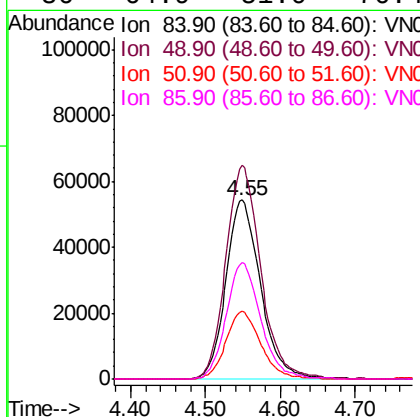
Manual Integrations
APPROVED

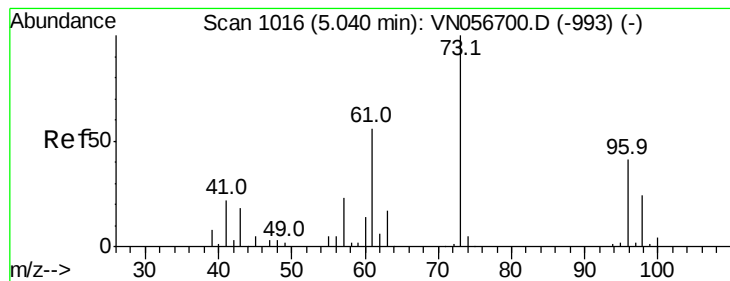
MMDadoda
7/17/2019 4:57:16 PM



#20
Methylene Chloride
Concen: 44.201 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion: 84 Resp: 174817
Ion Ratio Lower Upper
84 100
49 119.5 98.2 147.4
51 37.7 29.6 44.4
86 64.9 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 47.315 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 166933

Ion Ratio Lower Upper

96 100

61 135.6 109.4 164.2

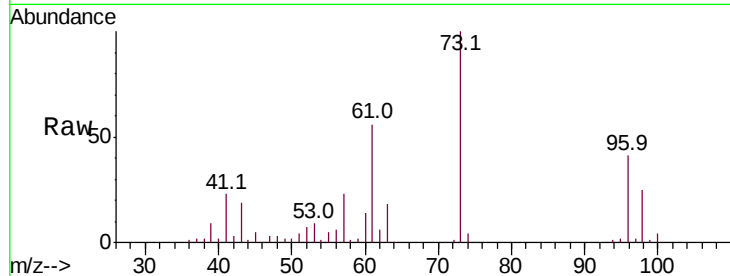
98 61.0 48.0 72.0

Manual Integrations

APPROVED

MMDadoda

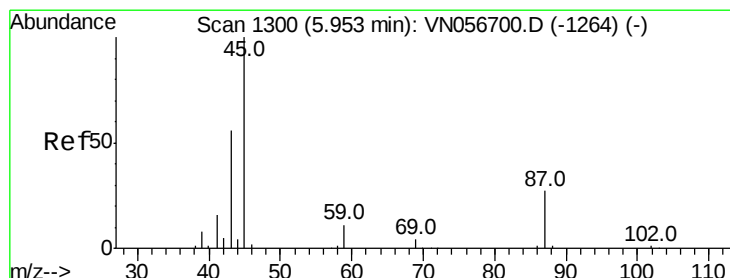
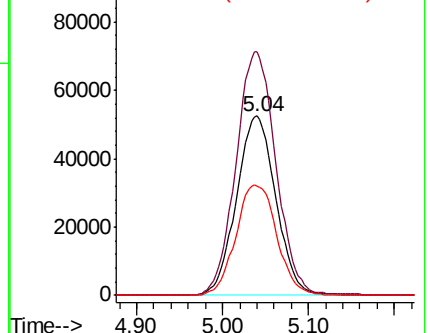
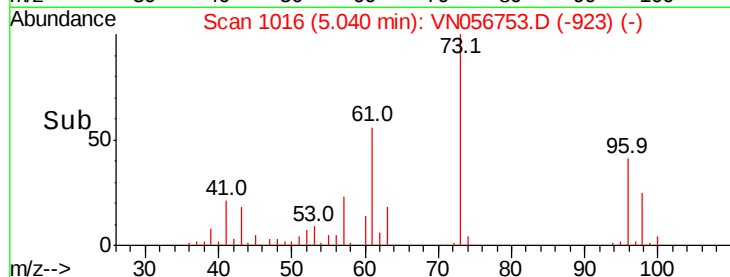
7/17/2019 4:57:16 PM



Abundance Ion 95.90 (95.60 to 96.60): VN056753.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN056753.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN056753.D (-1207) (-)



#22

Diisopropyl ether

Concen: 46.578 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Tgt Ion: 45 Resp: 530680

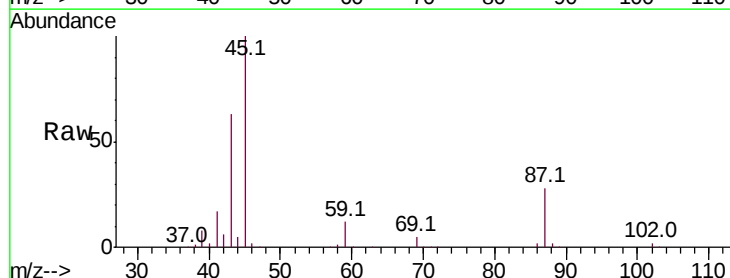
Ion Ratio Lower Upper

45 100

43 61.8 45.6 68.4

87 27.8 22.0 33.0

59 11.4 9.3 13.9

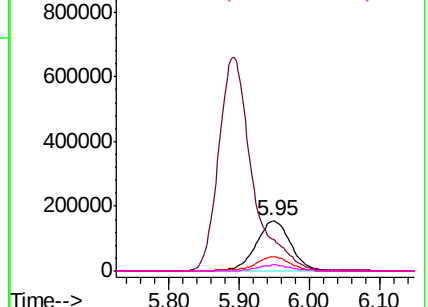
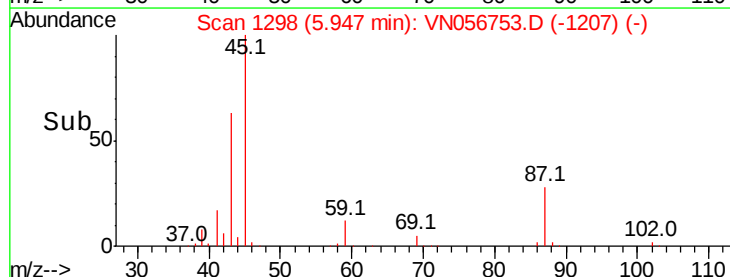


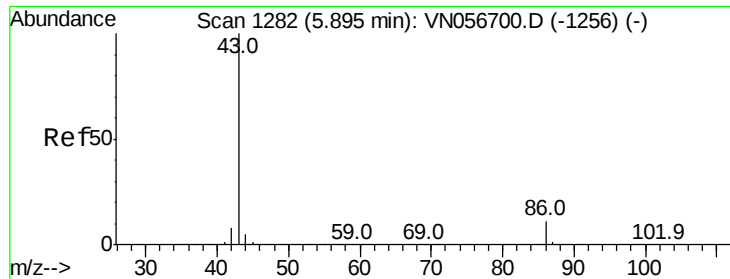
Abundance Ion 45.00 (44.70 to 45.70): VN056753.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN056753.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN056753.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN056753.D (-1207) (-)





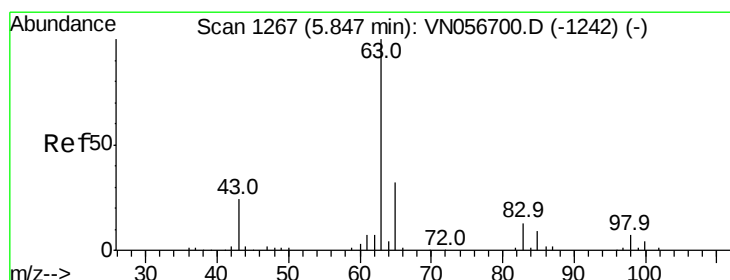
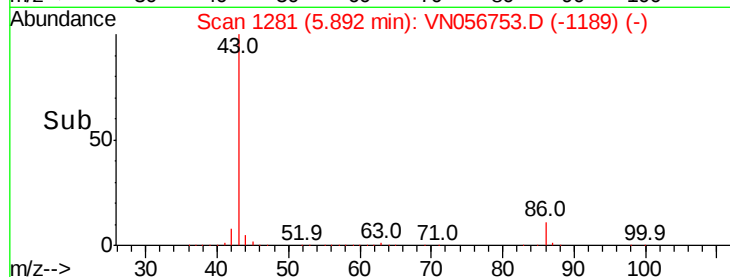
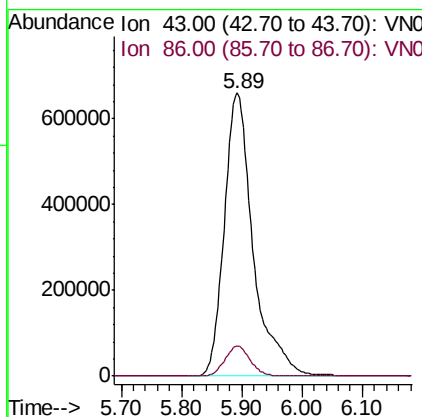
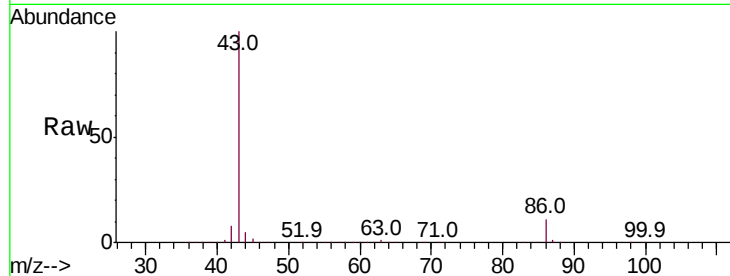
#23
 Vinyl Acetate
 Concen: 238.609 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN056753.D
 Acq: 16 Jul 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2202980
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.5 12.7

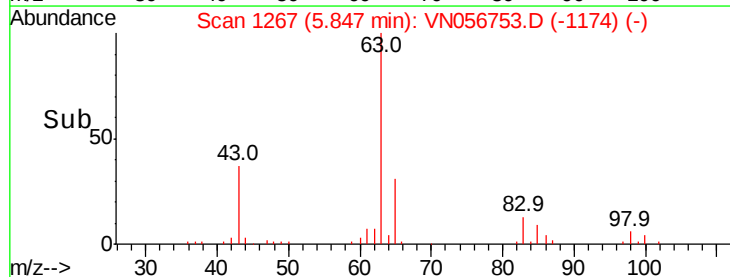
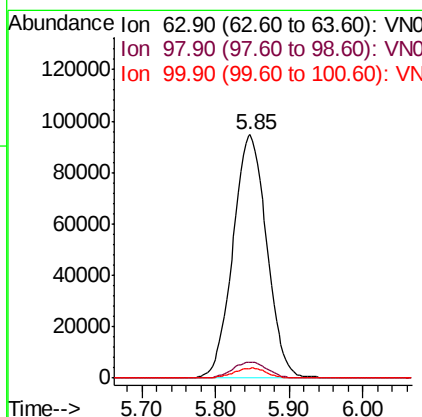
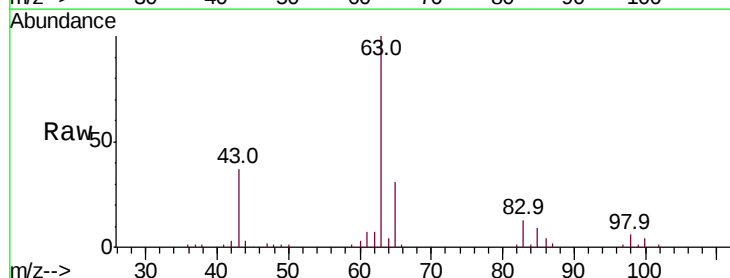
Manual Integrations
 APPROVED

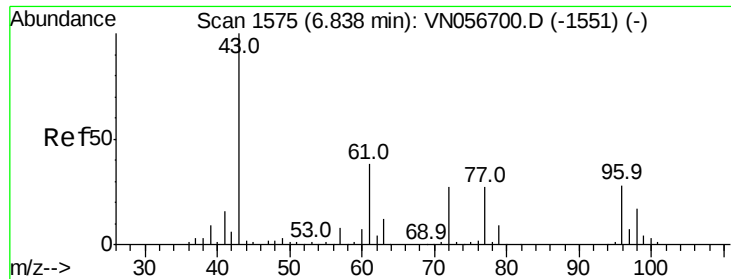
MMDadoda
 7/17/2019 4:57:16 PM



#24
 1,1-Dichloroethane
 Concen: 45.745 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056753.D
 Acq: 16 Jul 2019 8:56

Tgt Ion: 63 Resp: 302176
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.9
 100 4.1 2.0 5.8





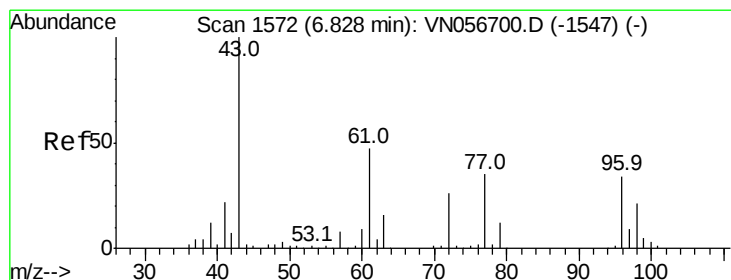
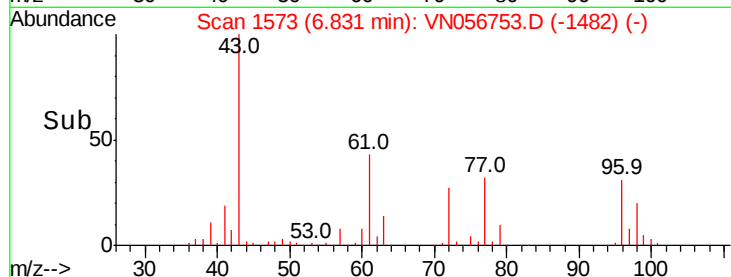
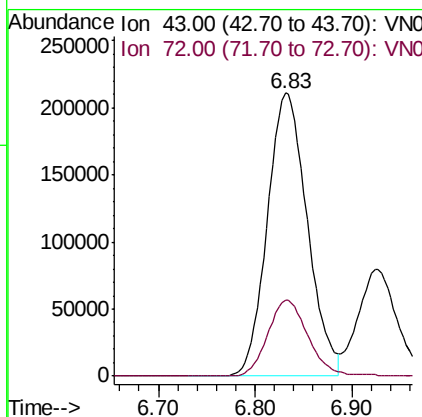
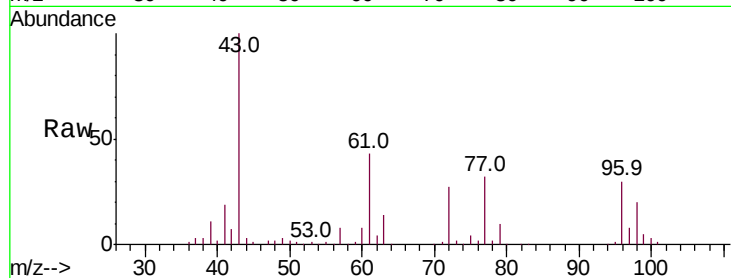
#25
2-Butanone
Concen: 228.271 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 604006
Ion Ratio Lower Upper
43 100
72 26.7 21.2 31.8

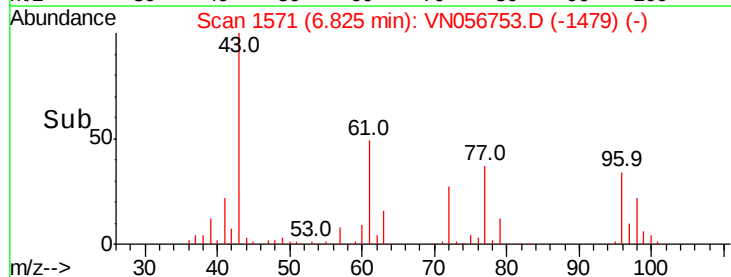
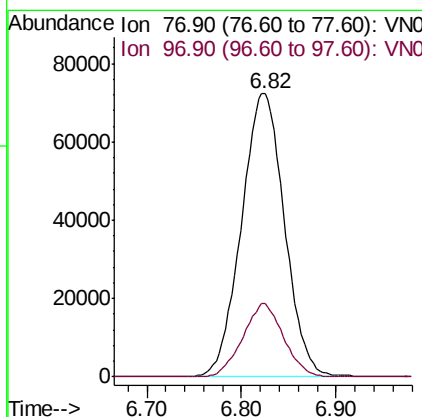
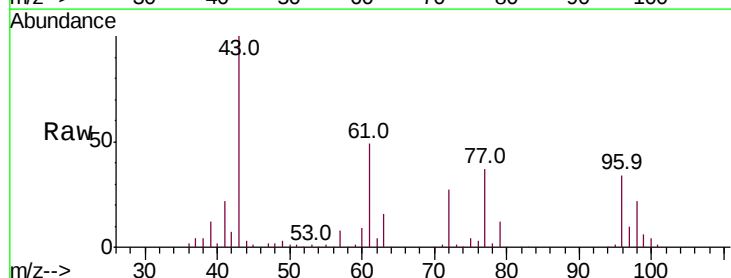
Manual Integrations
APPROVED

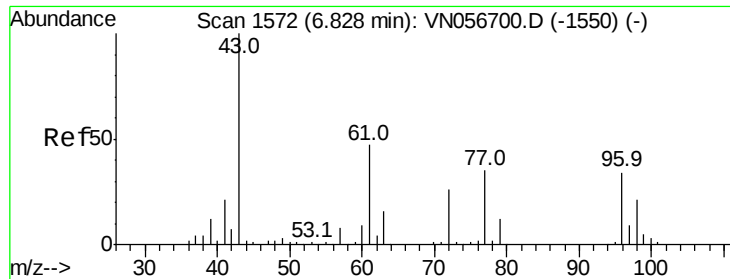
MMDadoda
7/17/2019 4:57:16 PM



#26
2,2-Dichloropropane
Concen: 47.951 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion: 77 Resp: 228386
Ion Ratio Lower Upper
77 100
97 24.5 12.2 36.6





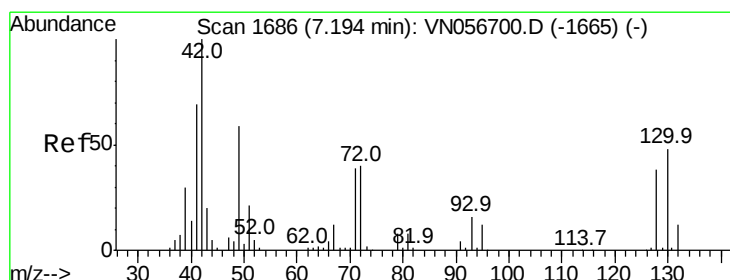
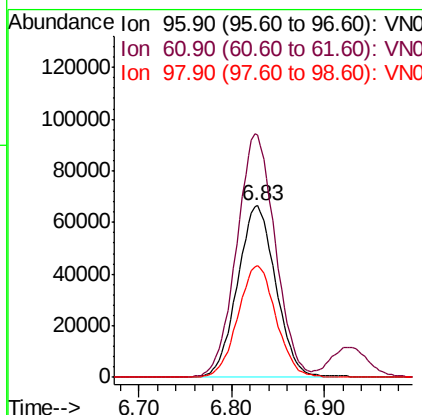
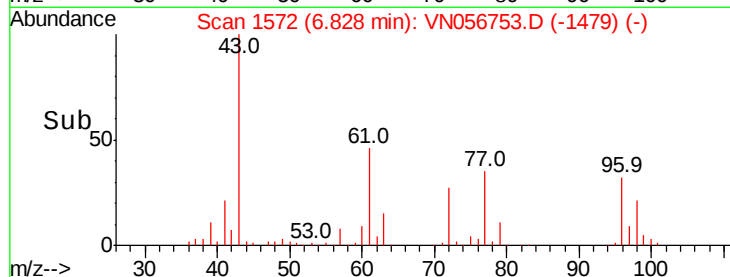
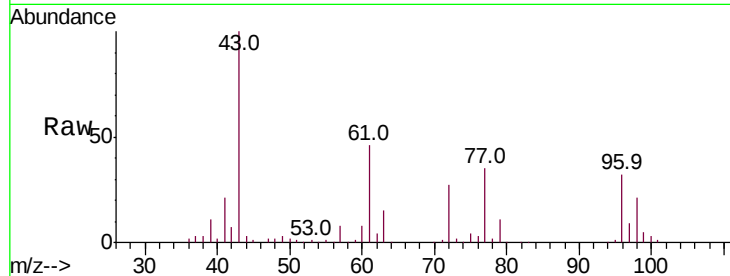
#27
 cis-1,2-Dichloroethene
 Concen: 47.044 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056753.D
 Acq: 16 Jul 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.5	0.0	281.4	
98	64.9	0.0	127.8	

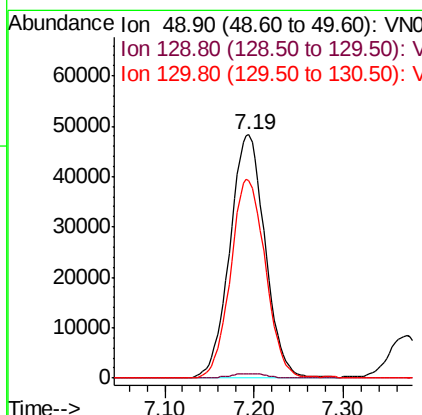
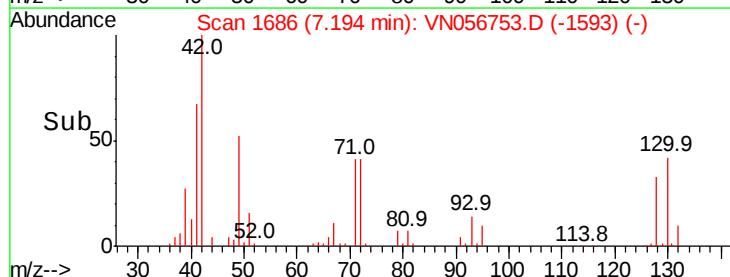
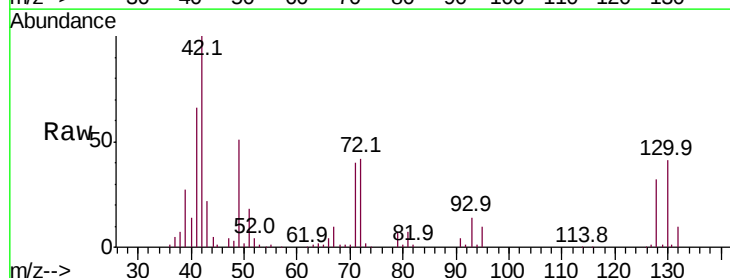
Manual Integrations
 APPROVED

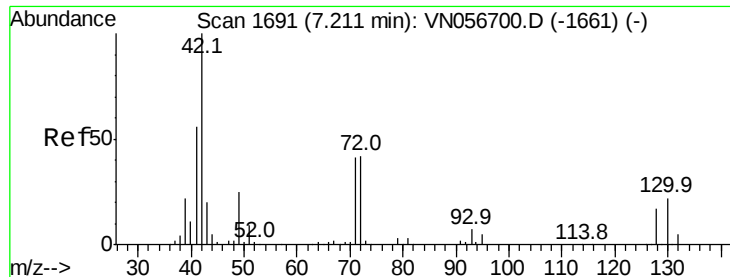
MMDadoda
 7/17/2019 4:57:16 PM



#28
 Bromochloromethane
 Concen: 42.643 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056753.D
 Acq: 16 Jul 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.0	
130	80.7	64.7	97.1	





#29

Tetrahydrofuran

Concen: 216.427 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

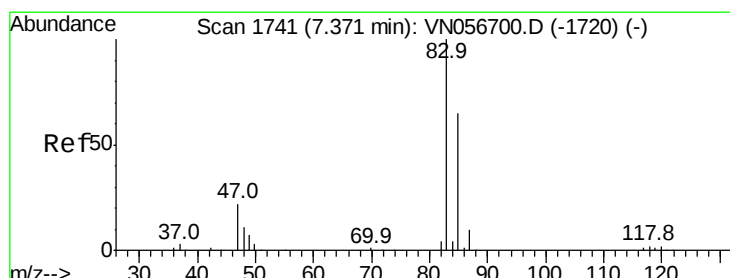
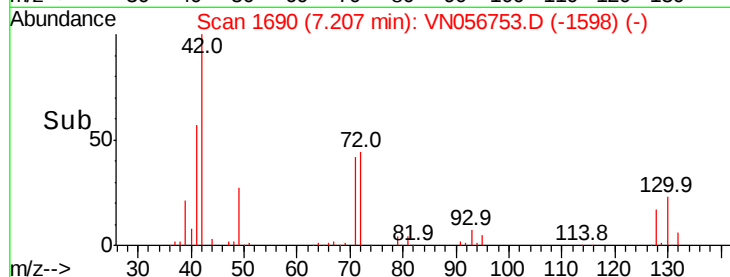
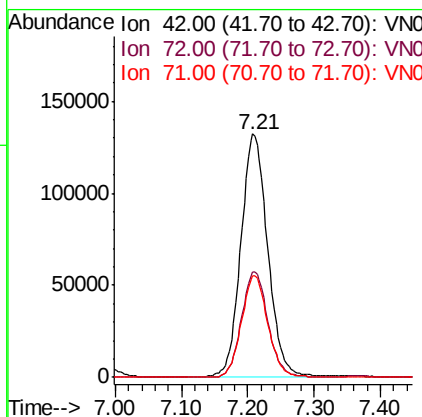
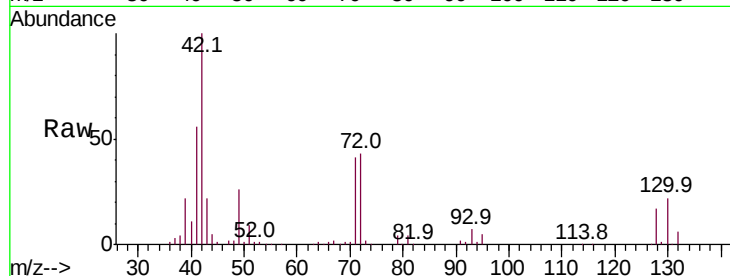
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	373510
Ion Ratio	Lower	Upper	
42	100		
72	42.6	33.5	50.3
71	40.9	31.8	47.8

Manual Integrations
APPROVED

MMDadoda
7/17/2019 4:57:16 PM



#30

Chloroform

Concen: 44.810 ug/l

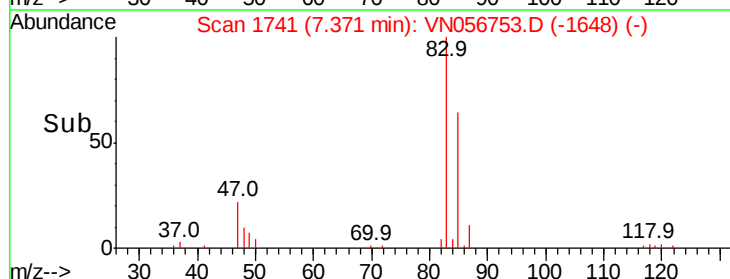
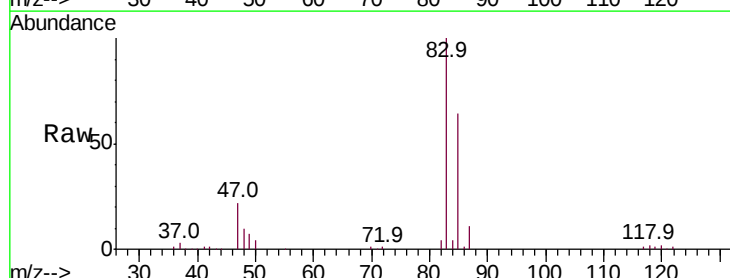
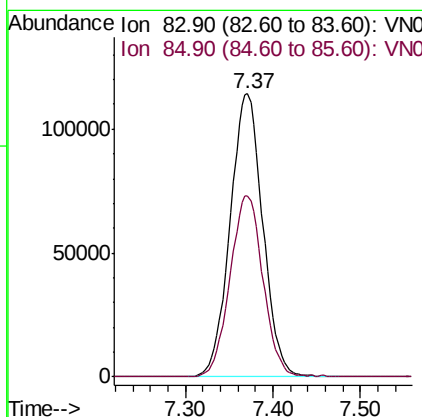
RT: 7.37 min Scan# 1741

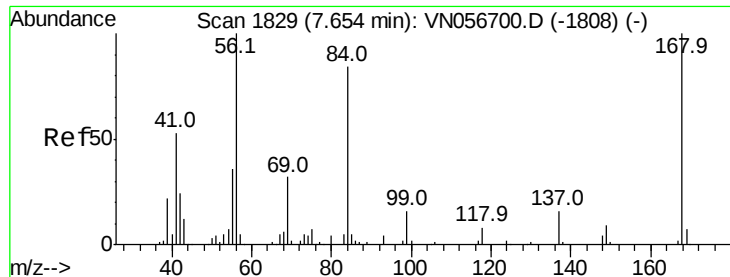
Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Tgt Ion:	83	Resp:	296200
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.9	77.9





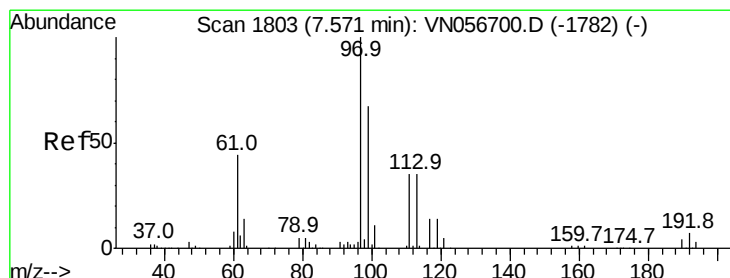
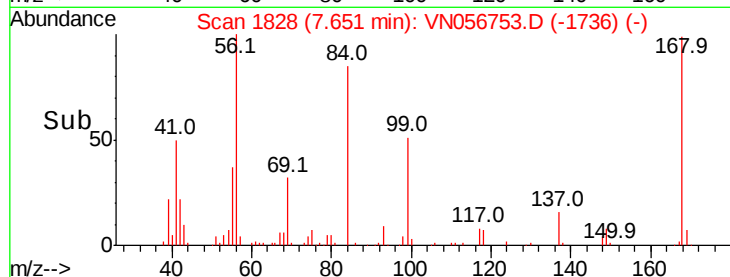
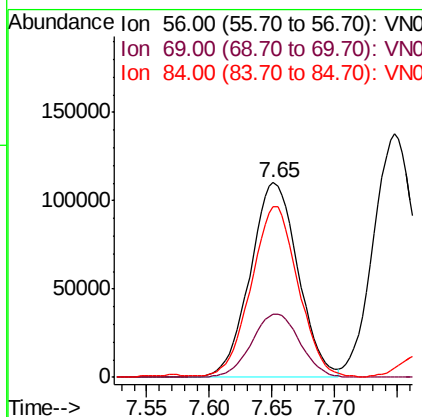
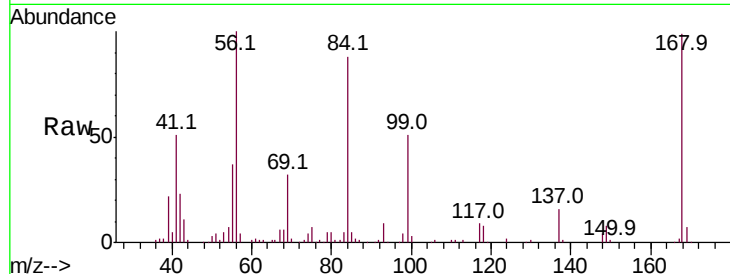
#31
Cyclohexane
Concen: 46.650 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.8	38.8
84	86.7	67.4	101.0

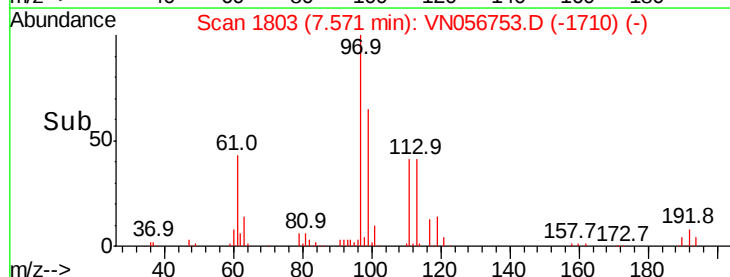
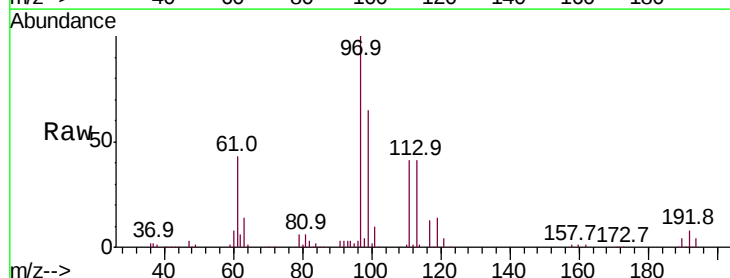
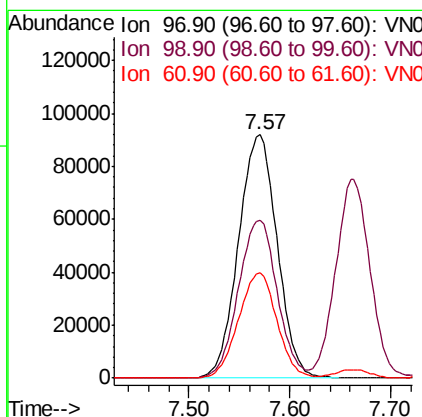
Manual Integrations
APPROVED

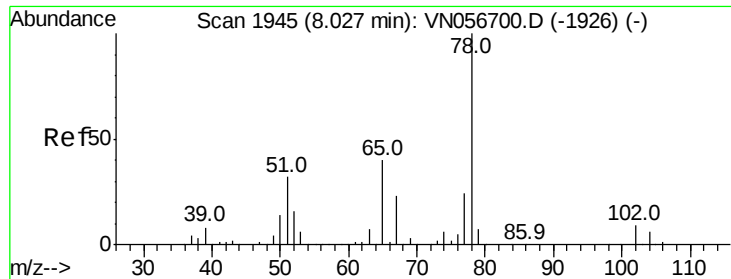
MMDadoda
7/17/2019 4:57:16 PM



#32
1,1,1-Trichloroethane
Concen: 46.820 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.0	78.0
61	42.9	34.3	51.5





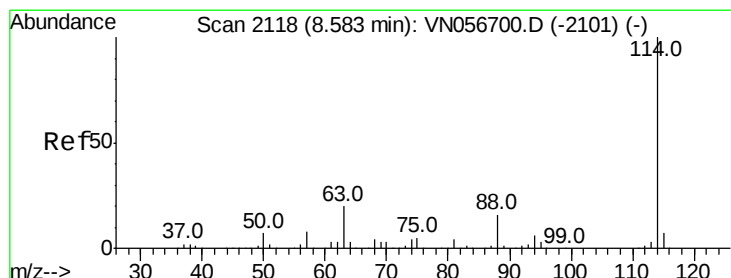
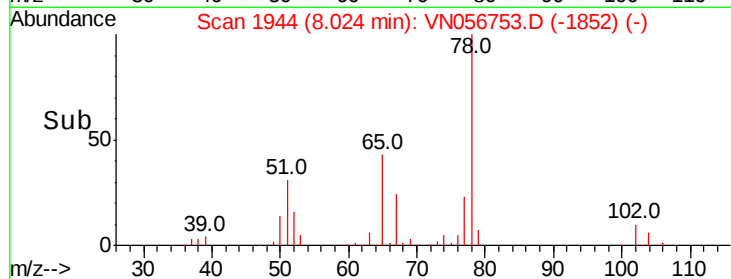
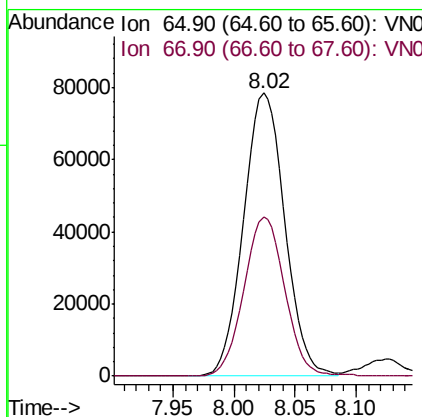
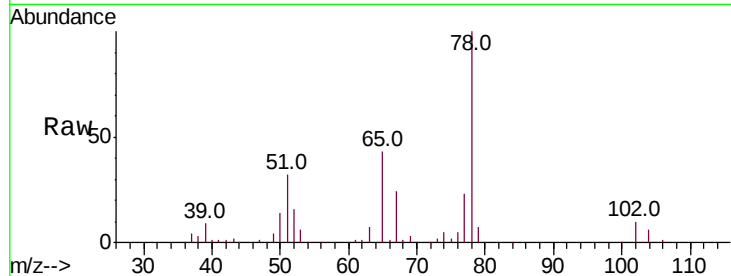
#33
 1,2-Dichloroethane-d4
 Concen: 46.766 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056753.D
 Acq: 16 Jul 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	183669		
67	55.8	0.0	109.0	

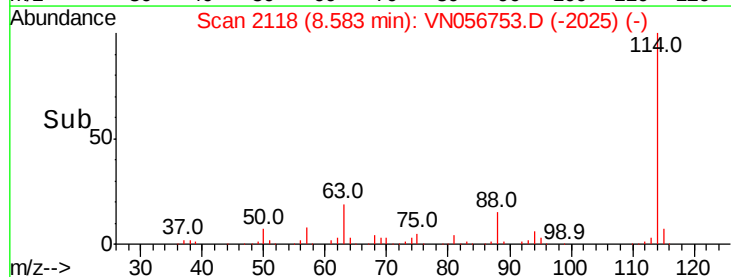
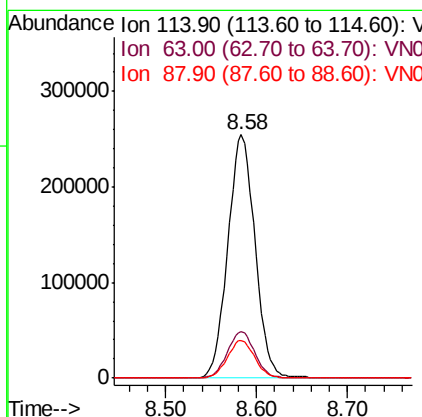
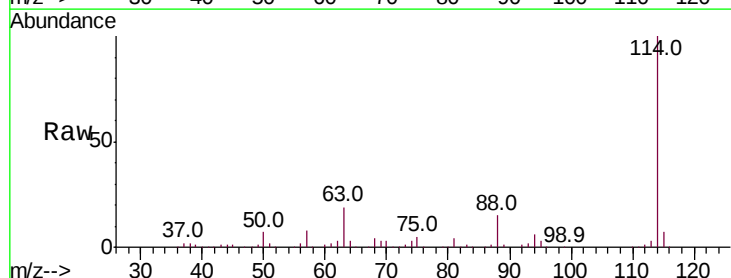
Manual Integrations
 APPROVED

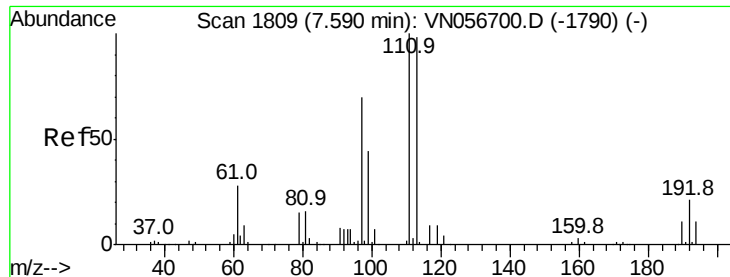
MMDadoda
 7/17/2019 4:57:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056753.D
 Acq: 16 Jul 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	529720		
63	19.2	0.0	39.4	
88	15.5	0.0	31.2	





#35

Dibromofluoromethane

Concen: 49.838 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

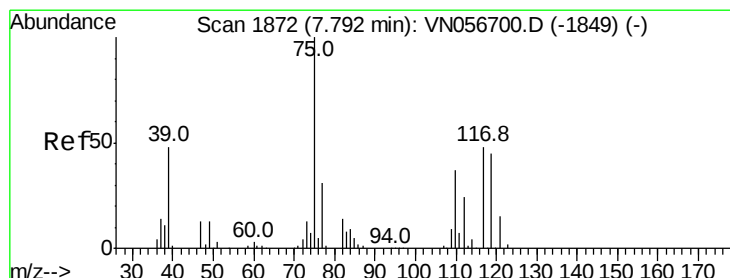
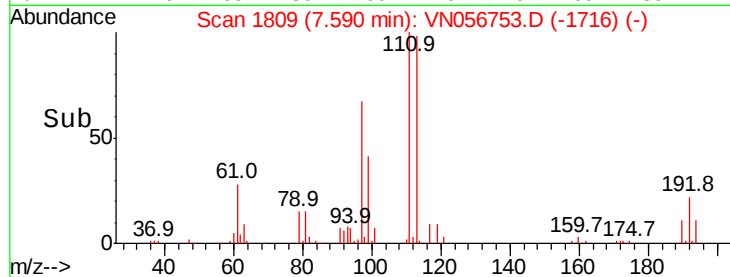
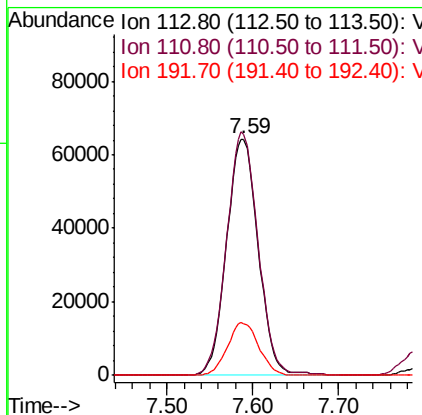
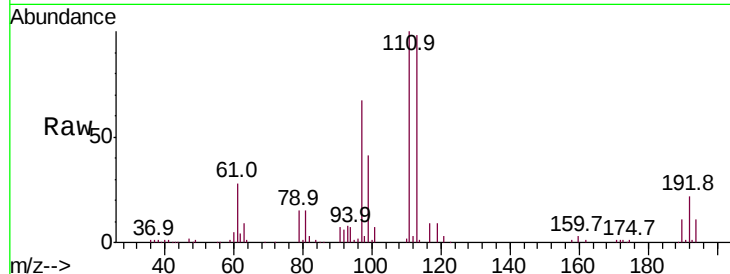
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	164295
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.8	122.6
192	22.0	17.5	26.3

Manual Integrations
APPROVED

MMDadoda
7/17/2019 4:57:16 PM



#36

1,1-Dichloropropene

Concen: 47.074 ug/l

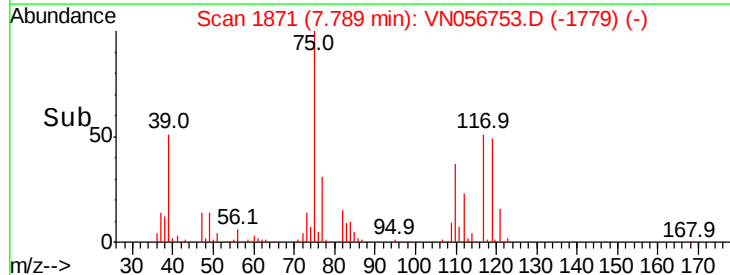
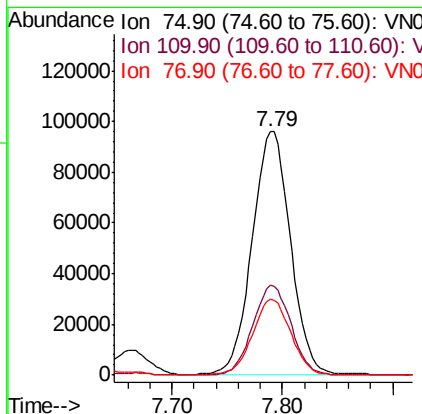
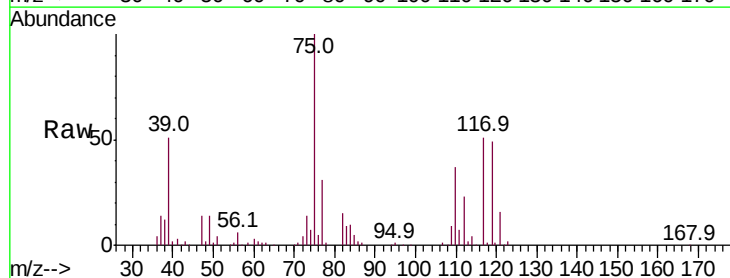
RT: 7.79 min Scan# 1871

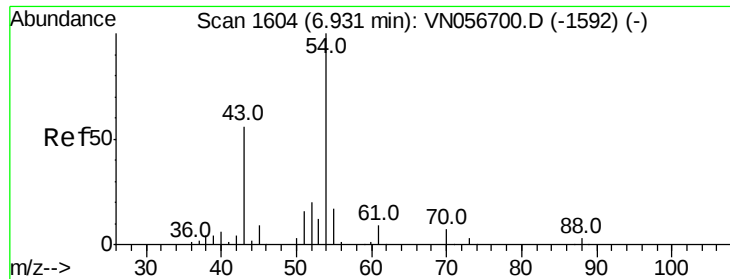
Delta R.T. -0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Tgt Ion:	75	Resp:	230749
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.4	55.4
77	31.4	24.6	36.8





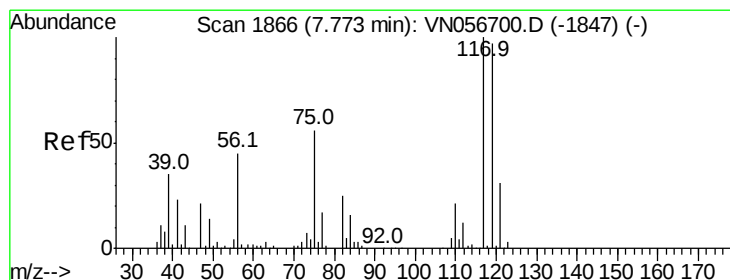
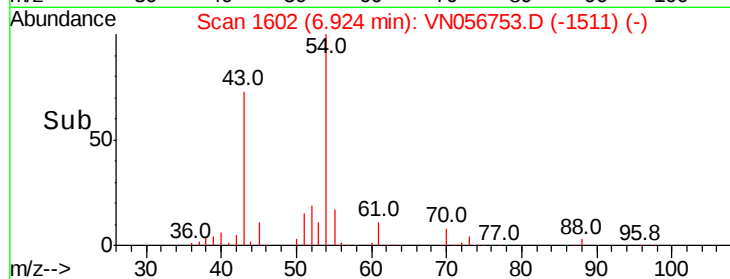
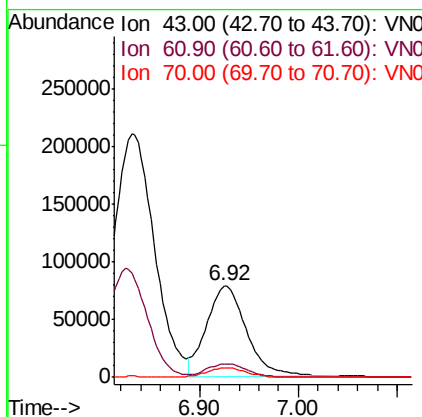
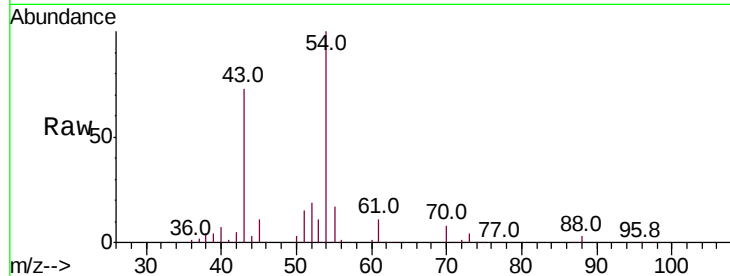
#37
Ethyl Acetate
Concen: 45.802 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.3	16.9
70	10.7	8.5	12.7

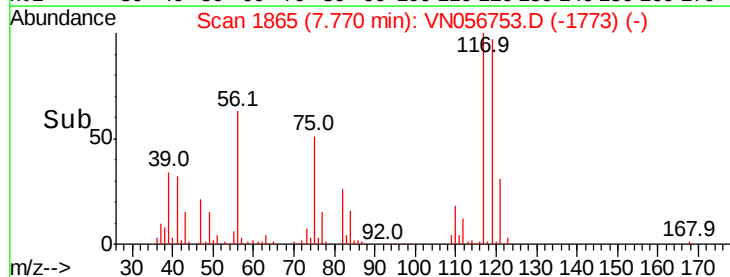
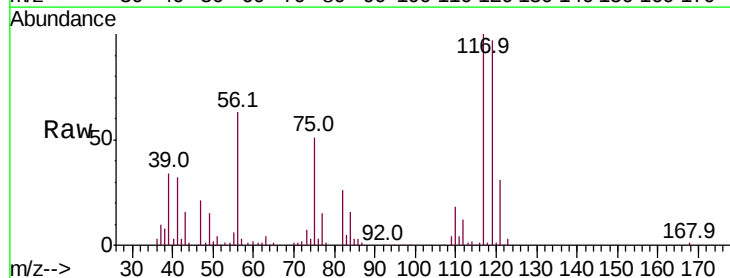
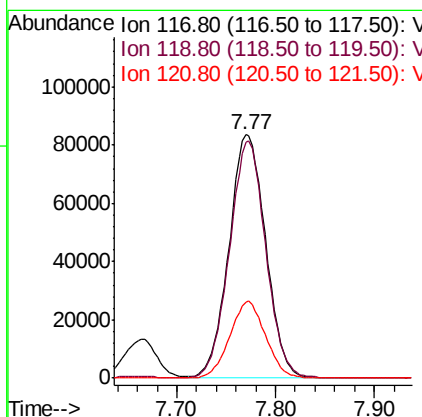
Manual Integrations
APPROVED

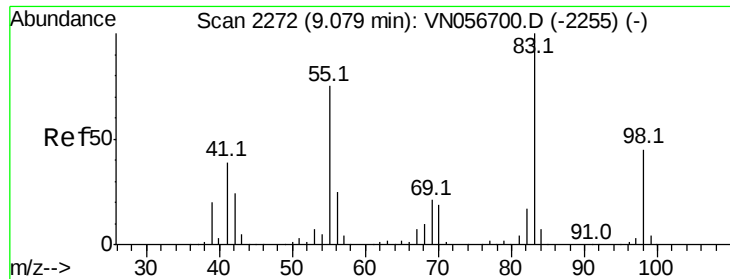
MMDadoda
7/17/2019 4:57:16 PM



#38
Carbon Tetrachloride
Concen: 47.139 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.5	116.3
121	31.3	24.7	37.1





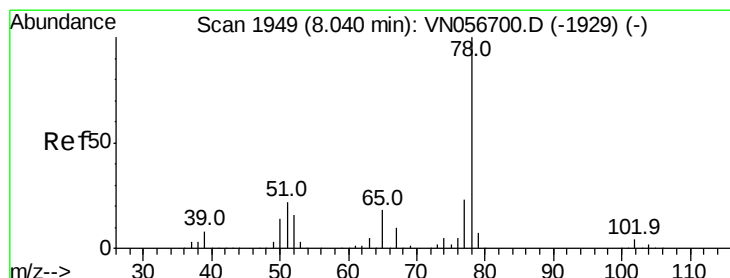
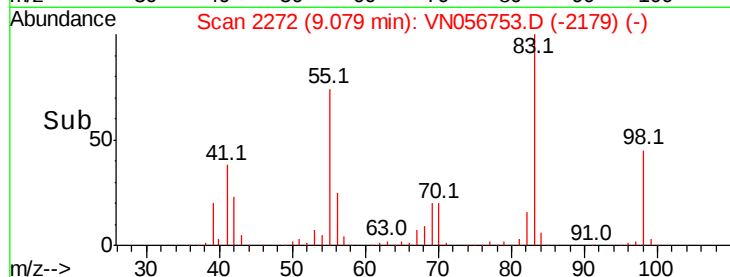
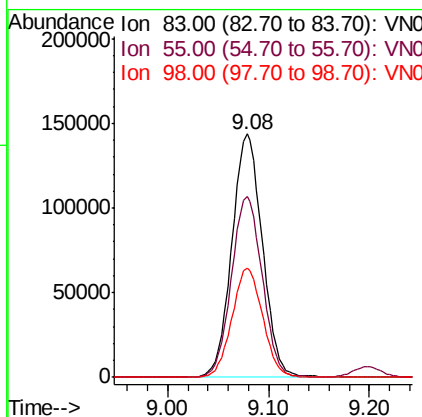
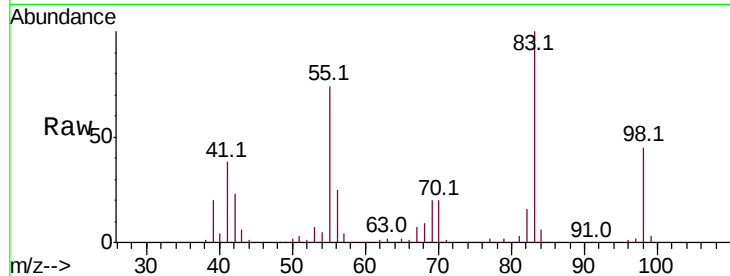
#39
Methvlcvclohexane
Concen: 49.929 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.3	60.4	90.6	
98	45.1	35.8	53.8	

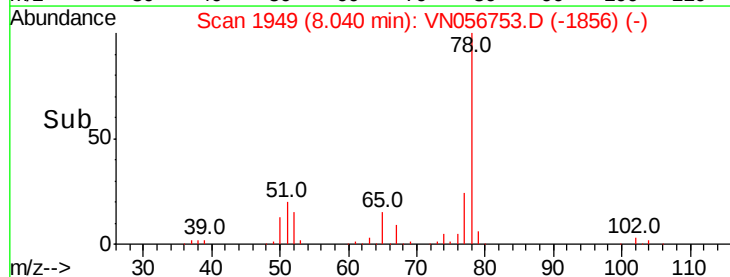
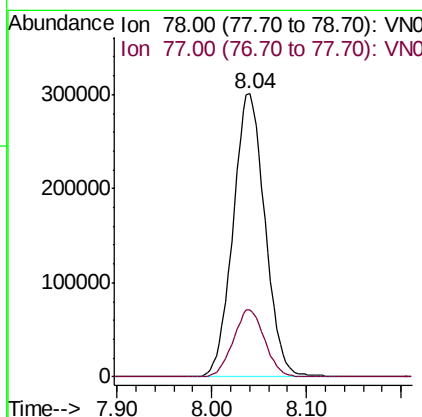
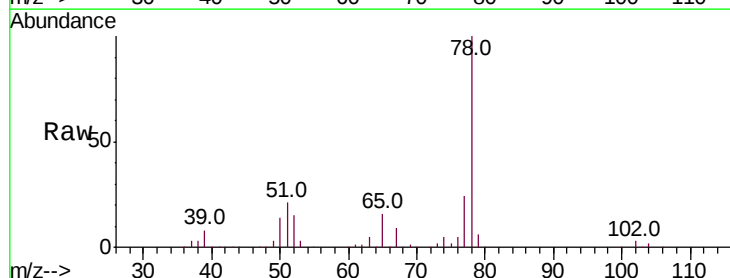
Manual Integrations
APPROVED

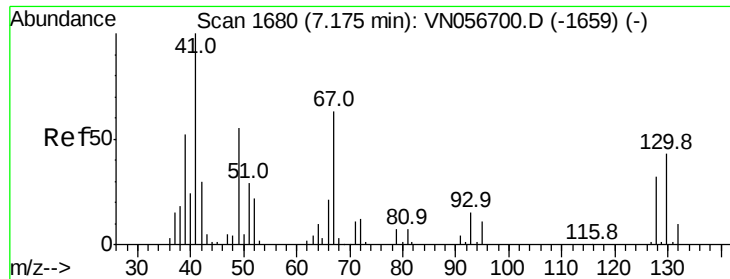
MMDadoda
7/17/2019 4:57:16 PM



#40
Benzene
Concen: 46.892 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.6	27.8	





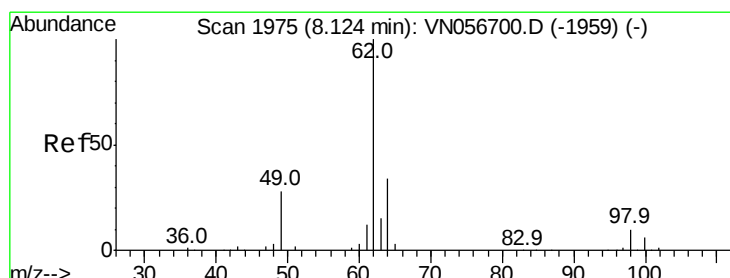
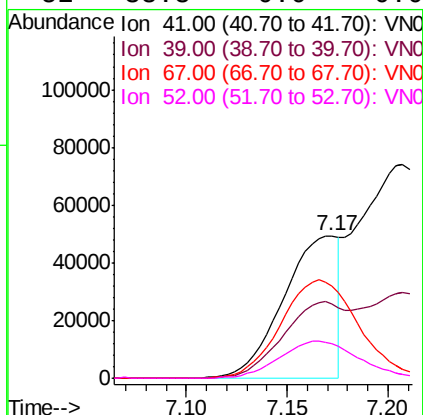
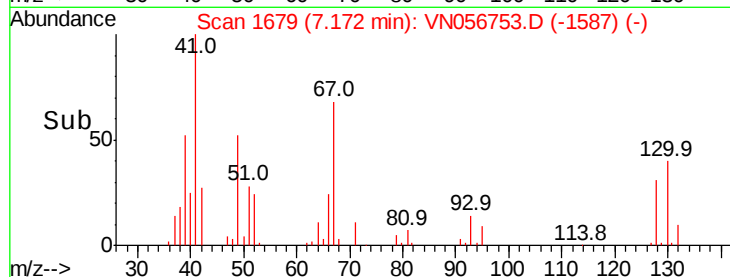
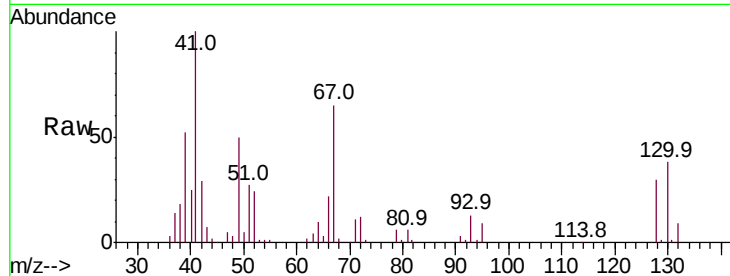
#41
Methacrylonitrile
Concen: 43.885 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.3	0.0	0.0#
67	98.8	0.0	0.0#
52	38.8	0.0	0.0#

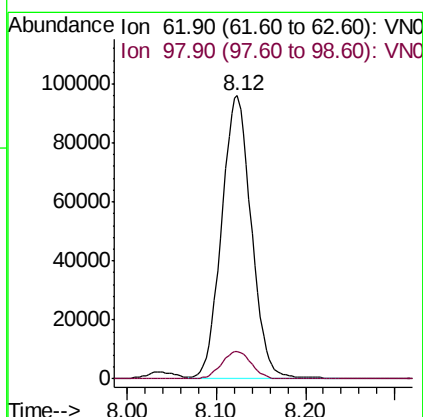
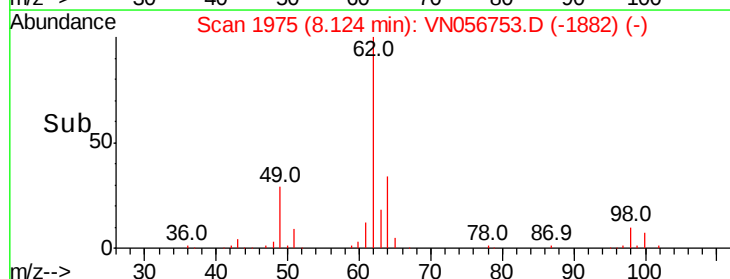
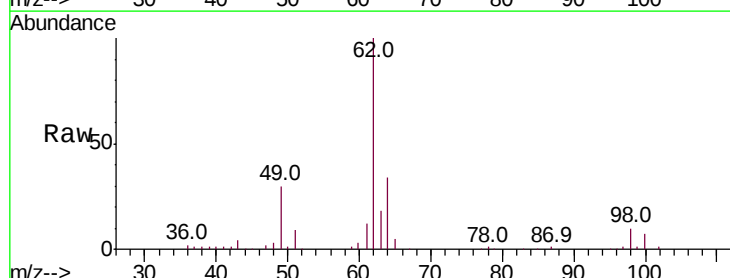
Manual Integrations
APPROVED

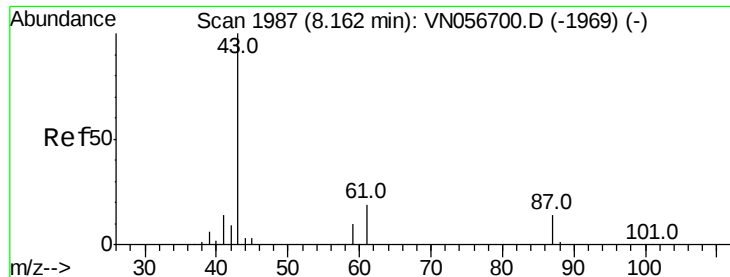
MMDadoda
7/17/2019 4:57:16 PM



#42
1,2-Dichloroethane
Concen: 46.642 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8





#43

Isopropyl Acetate

Concen: 47.568 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

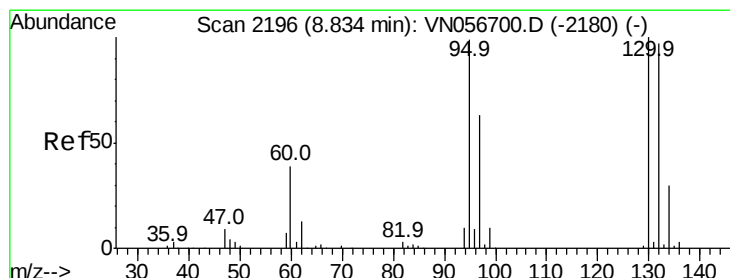
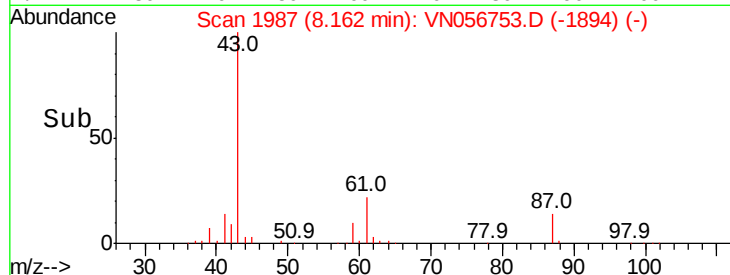
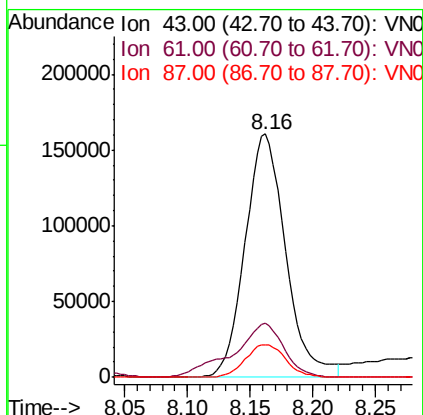
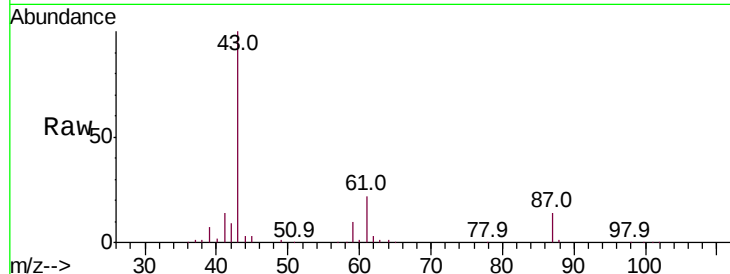
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	361284
Ion Ratio	Lower	Upper	
43	100		
61	27.6	22.3	33.5
87	13.5	11.1	16.7

Manual Integrations
APPROVED

MMDadoda
7/17/2019 4:57:16 PM



#44

Trichloroethene

Concen: 48.336 ug/l

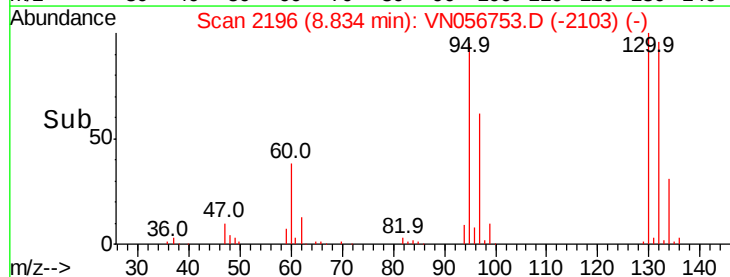
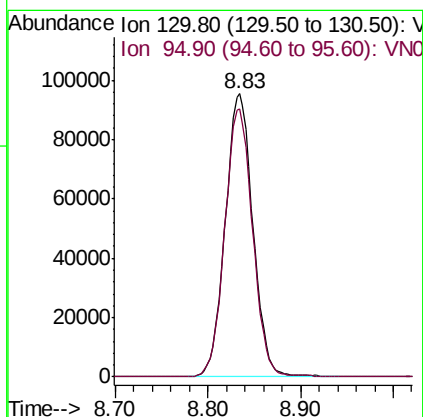
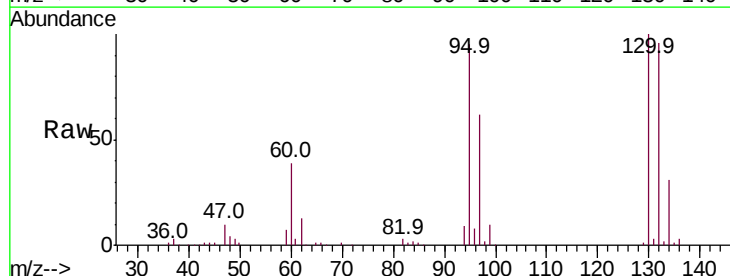
RT: 8.83 min Scan# 2196

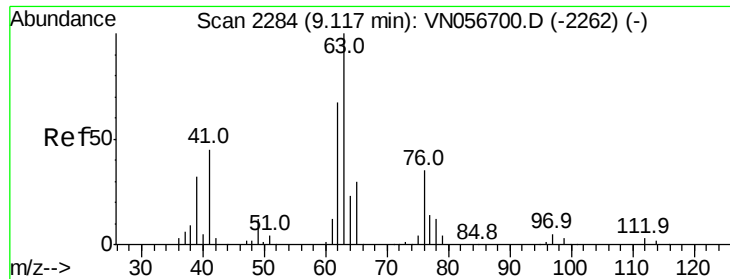
Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Tgt Ion:	130	Resp:	197145
Ion Ratio	Lower	Upper	
130	100		
95	94.6	0.0	197.2





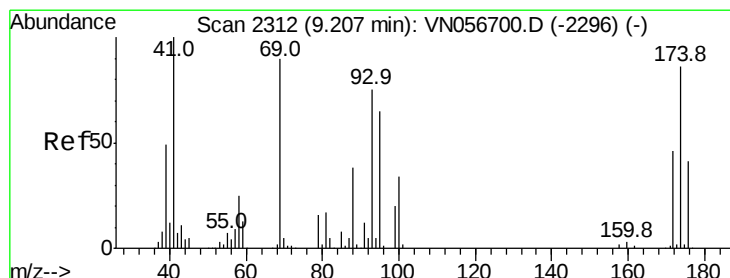
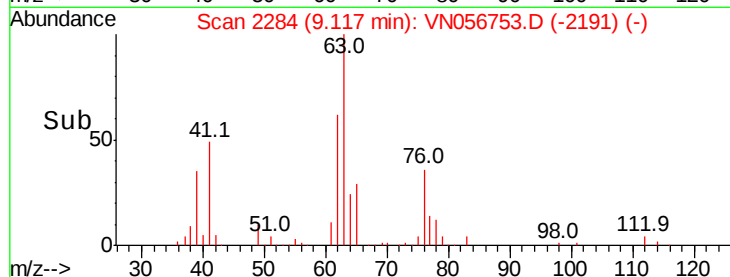
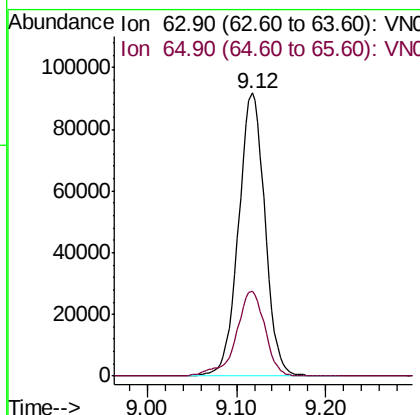
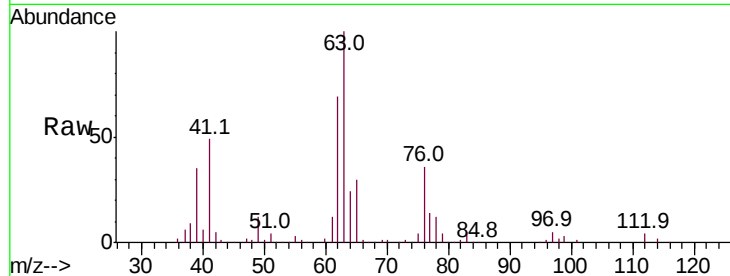
#45
 1,2-Dichloropropane
 Concen: 47.273 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056753.D
 Acq: 16 Jul 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.0	36.0

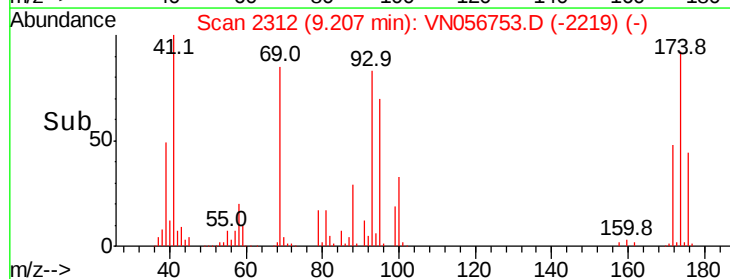
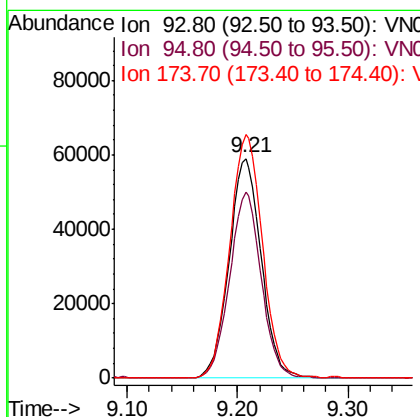
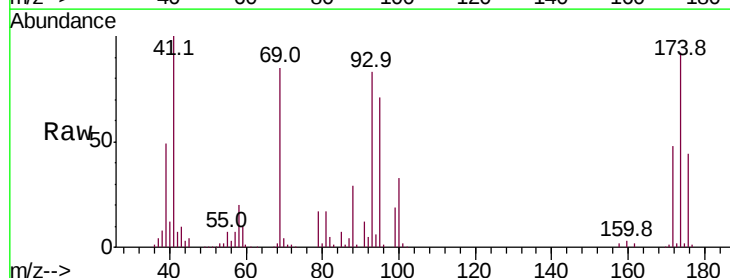
Manual Integrations
 APPROVED

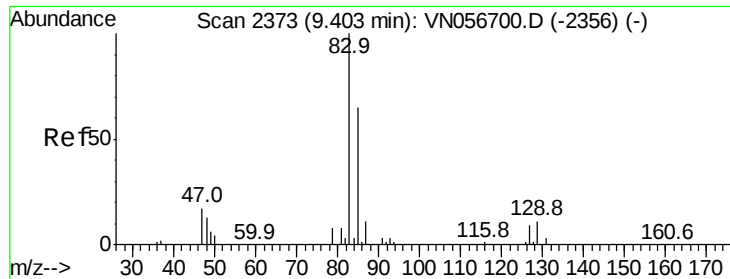
MMDadoda
 7/17/2019 4:57:16 PM



#46
 Dibromomethane
 Concen: 48.239 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056753.D
 Acq: 16 Jul 2019 8:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.4	101.0
174	112.7	90.3	135.5





#47

Bromodichloromethane

Concen: 48.546 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

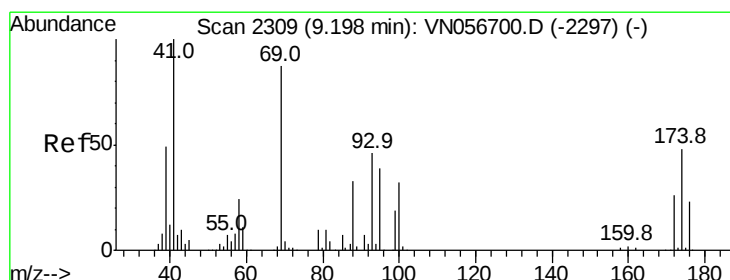
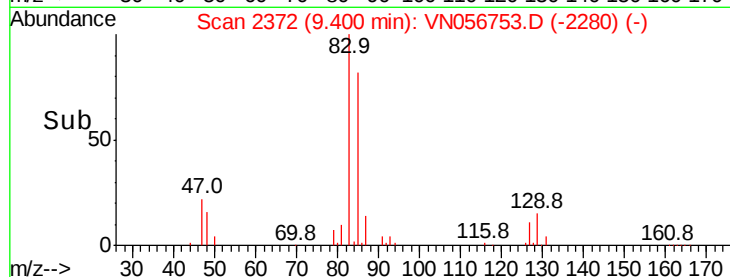
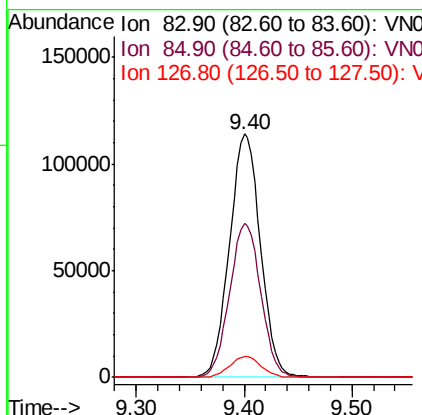
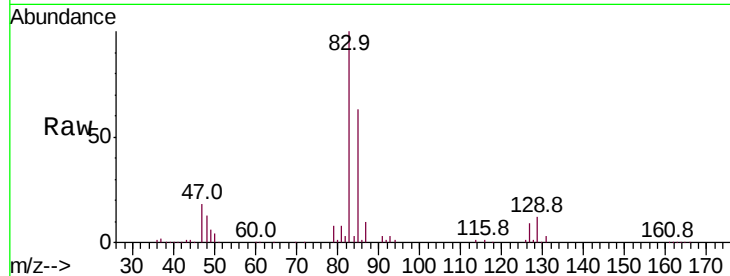
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	228151
Ion Ratio	Lower	Upper	
83	100		
85	63.2	52.3	78.5
127	8.5	7.6	11.4

Manual Integrations
APPROVED

MMDadoda
7/17/2019 4:57:16 PM



#48

Methyl methacrylate

Concen: 47.479 ug/l

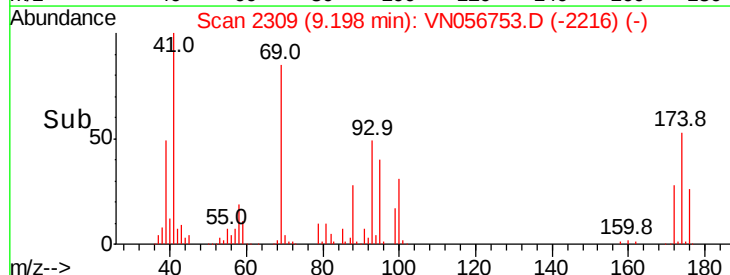
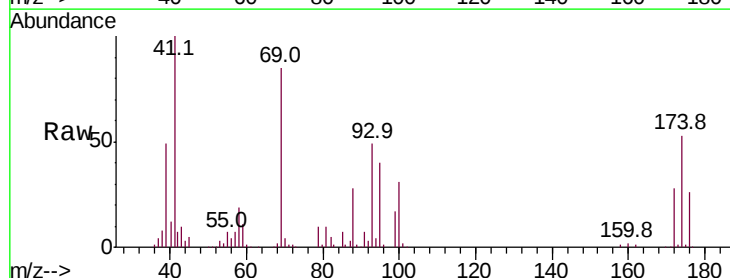
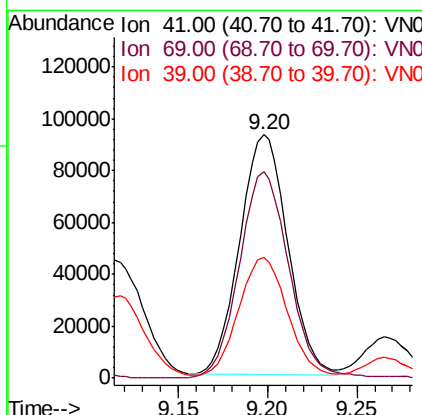
RT: 9.20 min Scan# 2309

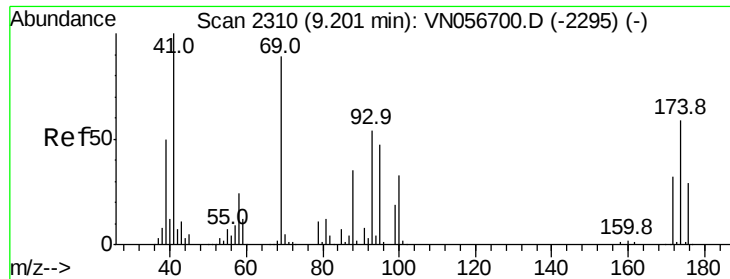
Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Tgt Ion:	41	Resp:	174395
Ion Ratio	Lower	Upper	
41	100		
69	88.6	71.4	107.0
39	51.6	41.2	61.8





#49

1,4-Dioxane

Concen: 742.506 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

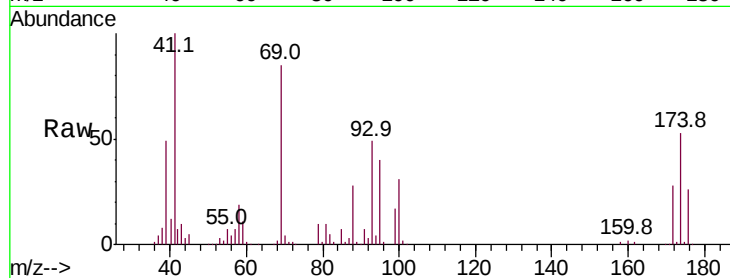
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	55961
Ion	Ratio	Lower	Upper
88	100		
43	30.8	23.7	35.5
58	68.7	55.6	83.4

Manual Integrations
APPROVED

MMDadoda
7/17/2019 4:57:16 PM

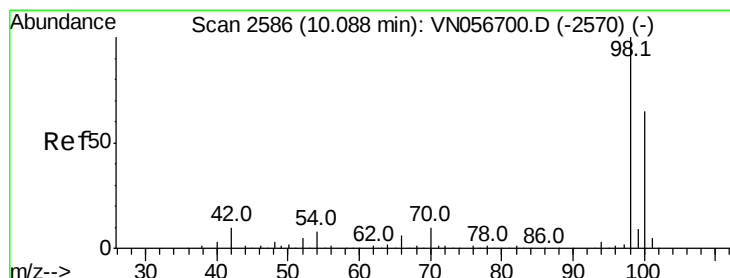
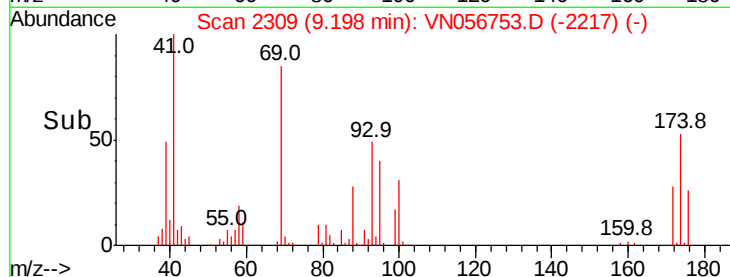


Abundance Ion 88.00 (87.70 to 88.70): VN056700.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN056700.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN056700.D (-2295) (-)

Time-->



#50

Toluene-d8

Concen: 49.951 ug/l

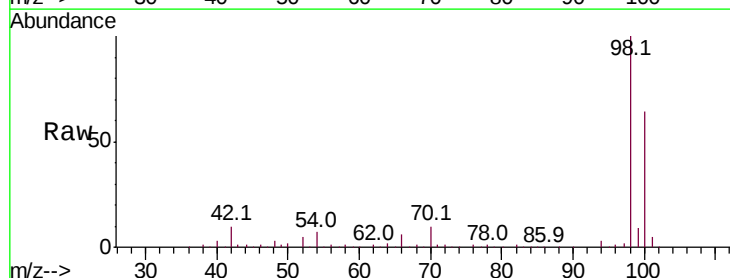
RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

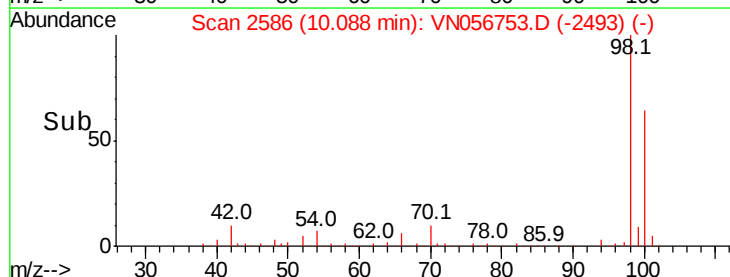
Tgt Ion:	98	Resp:	635984
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0

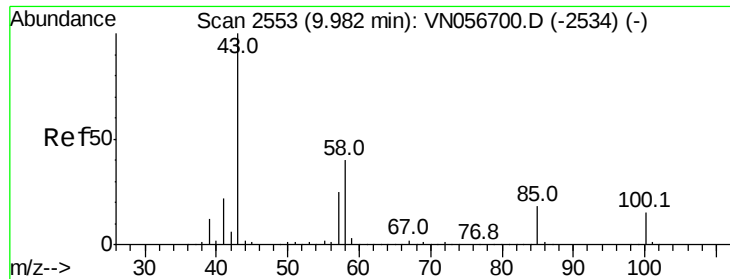


Abundance Ion 98.00 (97.70 to 98.70): VN056700.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056700.D (-2570) (-)

Time-->





#51

4-Methyl-2-Pentanone

Concen: 226.193 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1112694

Ion Ratio Lower Upper

43 100

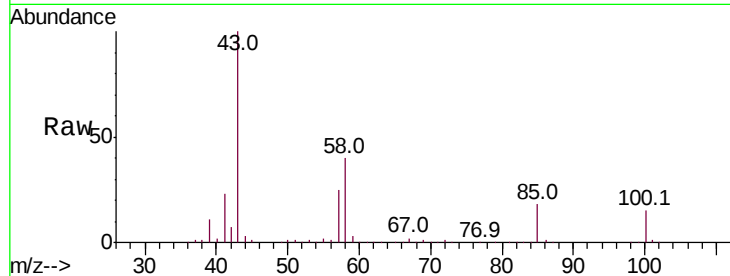
58 40.1 32.0 48.0

Manual Integrations

APPROVED

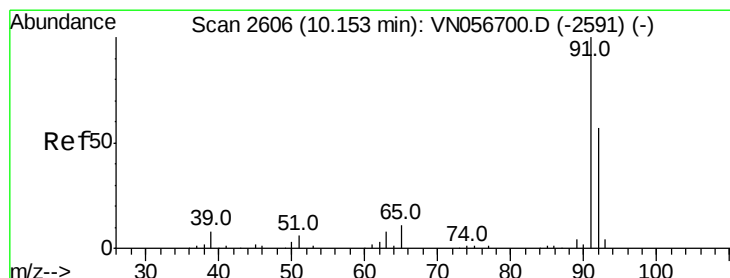
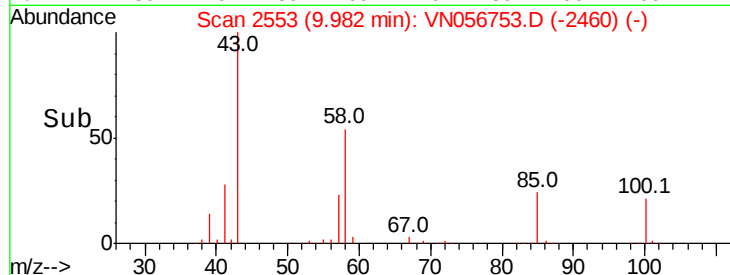
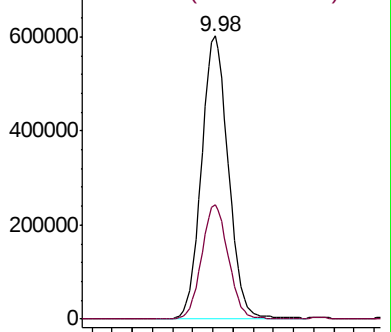
MMDadoda

7/17/2019 4:57:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.993 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056753.D

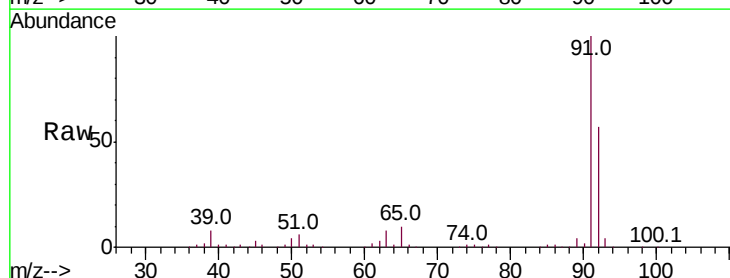
Acq: 16 Jul 2019 8:56

Tgt Ion: 92 Resp: 437002

Ion Ratio Lower Upper

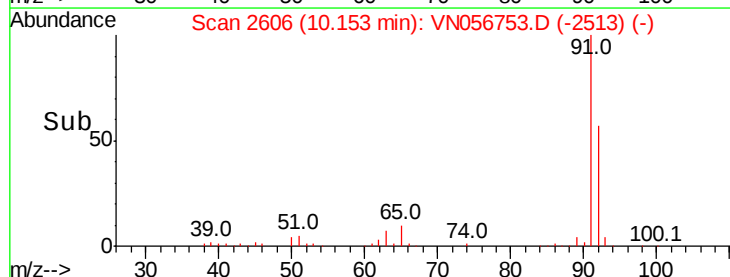
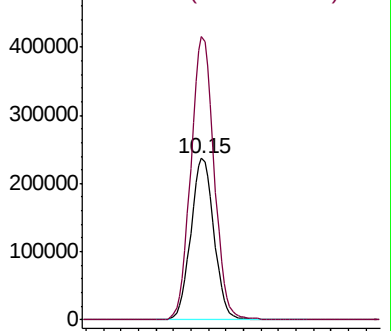
92 100

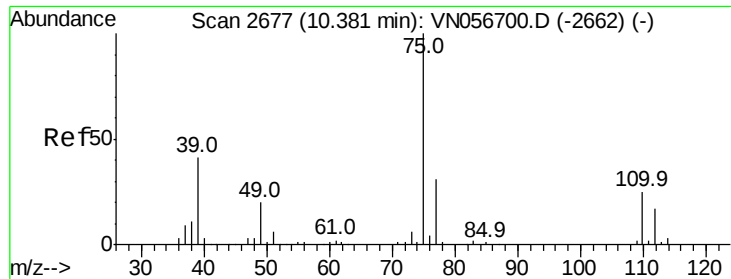
91 175.3 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





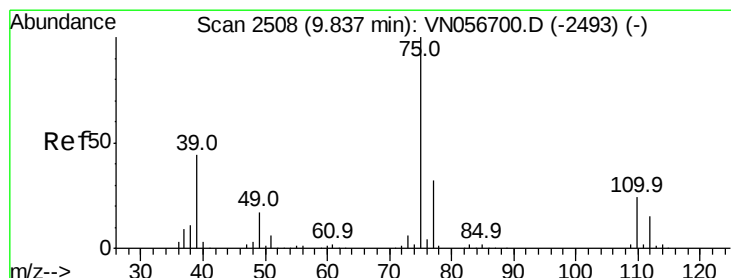
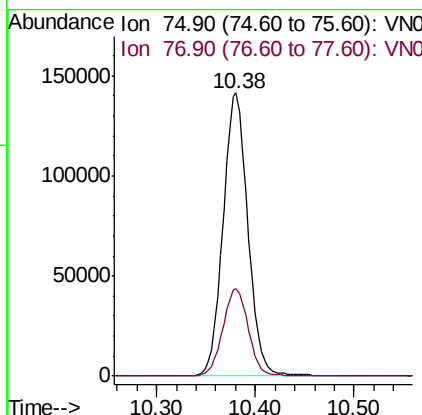
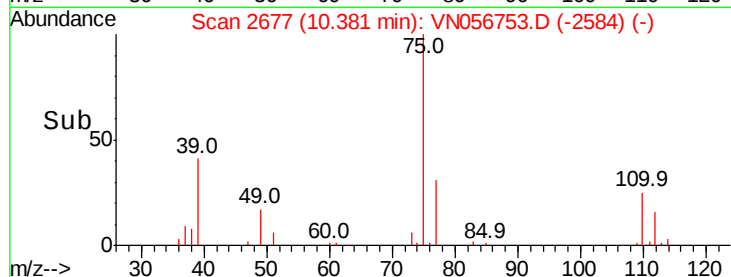
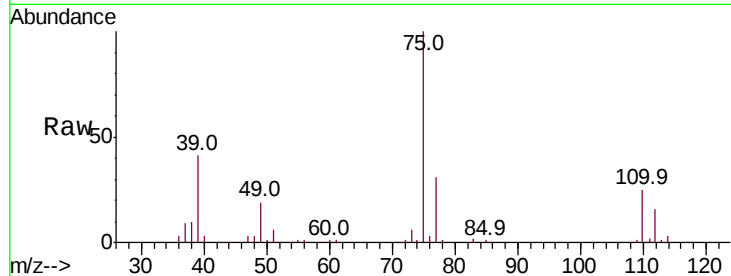
#53
t-1,3-Dichloropropene
Concen: 50.999 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 250062
Ion Ratio Lower Upper
75 100
77 30.8 25.0 37.6

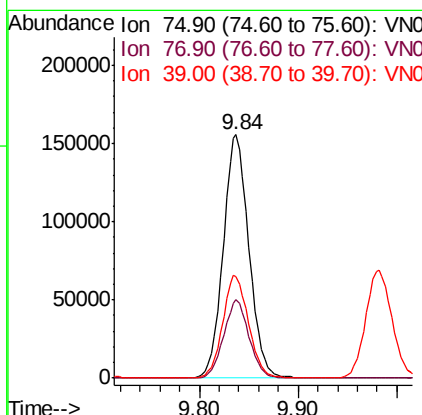
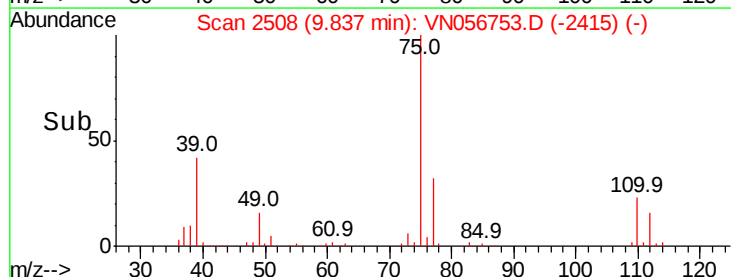
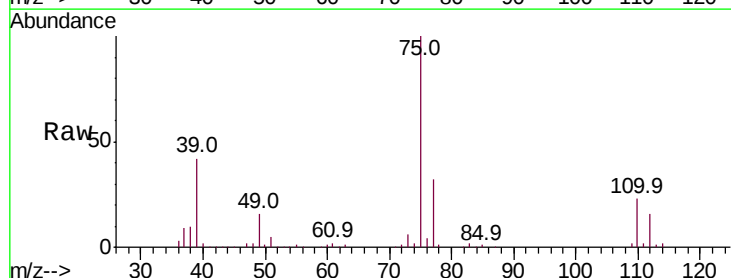
Manual Integrations
APPROVED

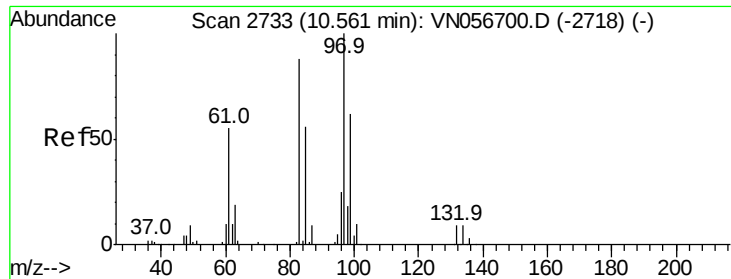
MMDadoda
7/17/2019 4:57:16 PM



#54
cis-1,3-Dichloropropene
Concen: 49.989 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion: 75 Resp: 284432
Ion Ratio Lower Upper
75 100
77 32.1 26.0 39.0
39 42.0 35.1 52.7





#55

1,1,2-Trichloroethane

Concen: 46.307 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 173243

Ion Ratio Lower Upper

97 100

83 86.5 70.3 105.5

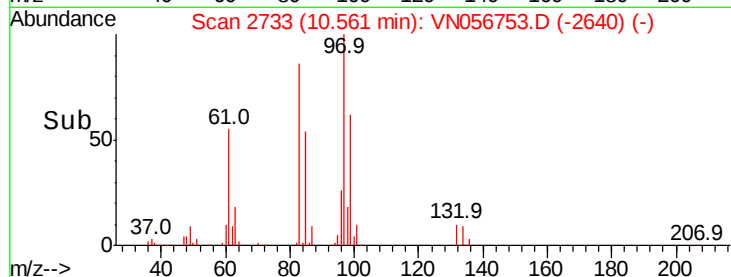
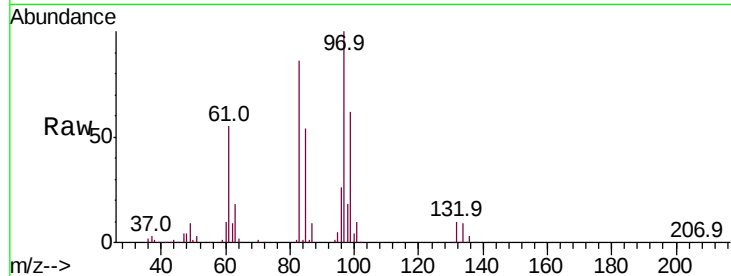
85 53.9 44.8 67.2

99 62.0 49.6 74.4

Manual Integrations
APPROVED

MMDadoda

7/17/2019 4:57:16 PM

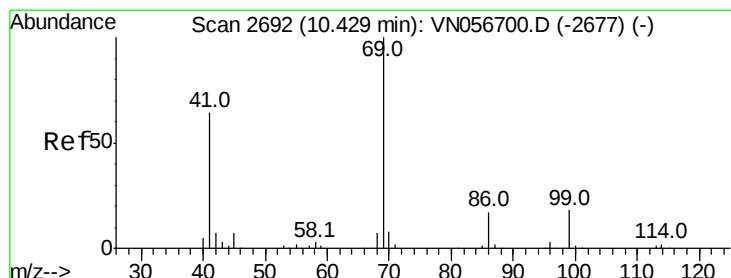
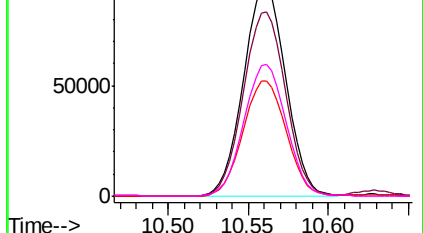


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.496 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

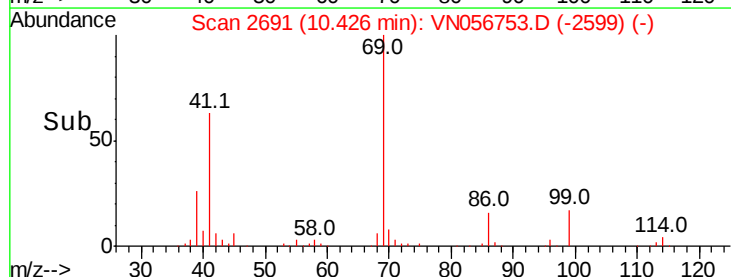
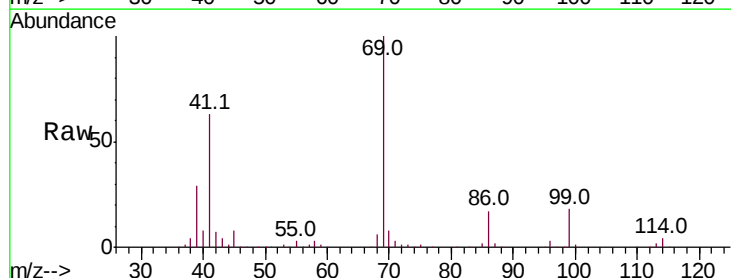
Tgt Ion: 69 Resp: 266441

Ion Ratio Lower Upper

69 100

41 62.7 51.0 76.4

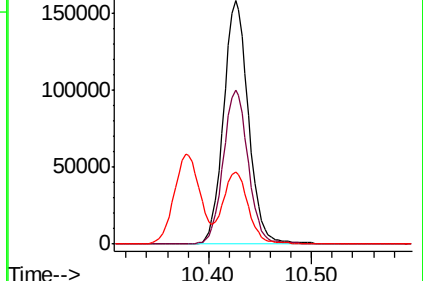
39 30.3 24.6 36.8

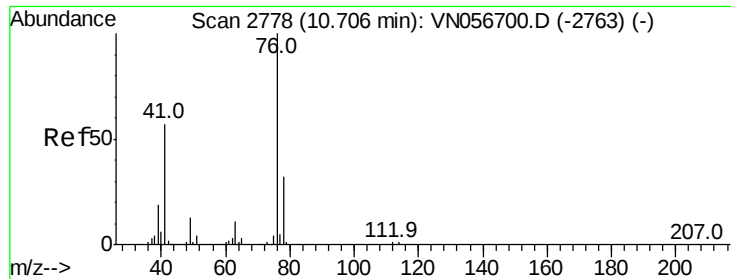


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 47.512 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 290317

Ion Ratio Lower Upper

76 100

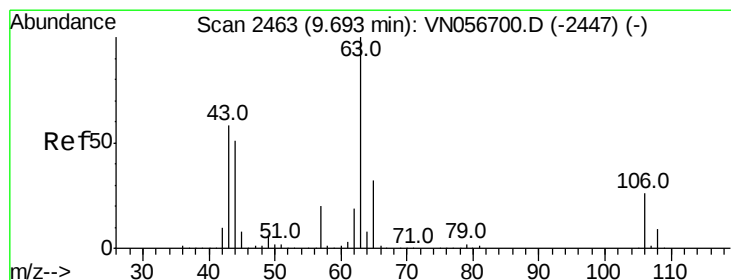
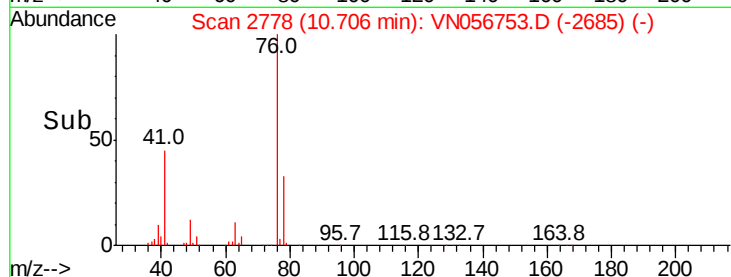
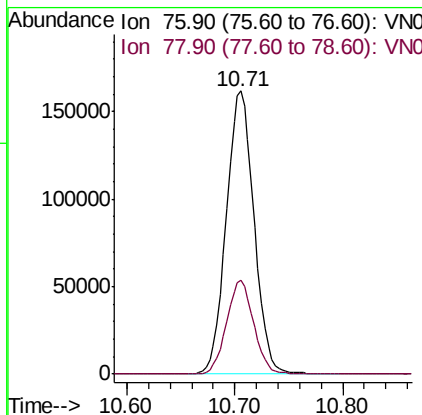
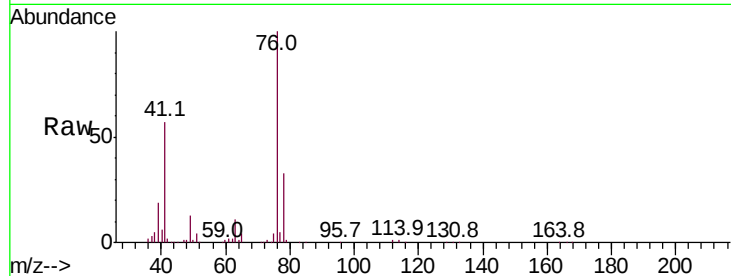
78 32.4 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

7/17/2019 4:57:16 PM



#58

2-Chloroethyl Vinyl ether

Concen: 225.071 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056753.D

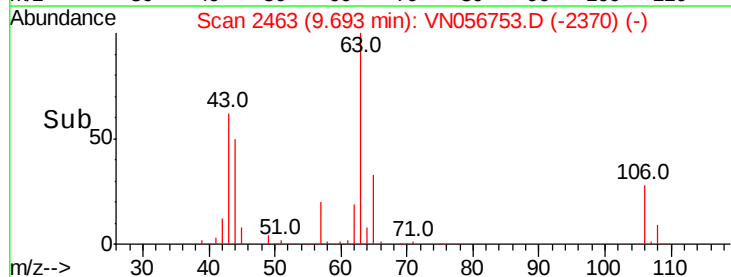
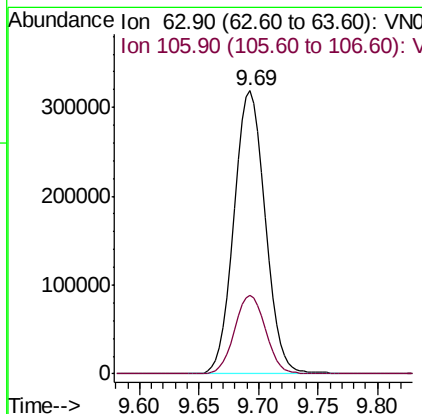
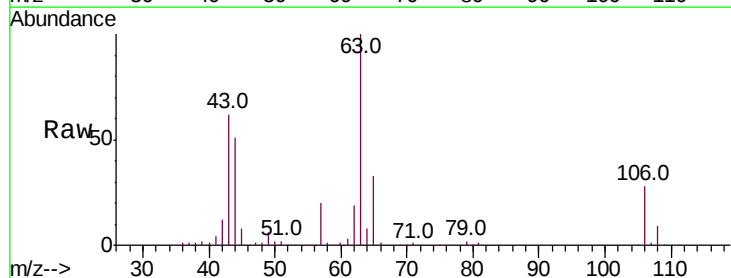
Acq: 16 Jul 2019 8:56

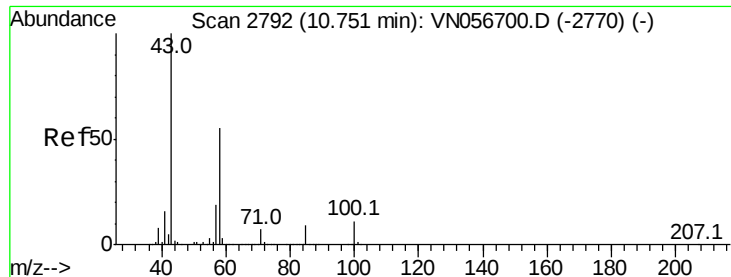
Tgt Ion: 63 Resp: 582614

Ion Ratio Lower Upper

63 100

106 27.5 21.2 31.8





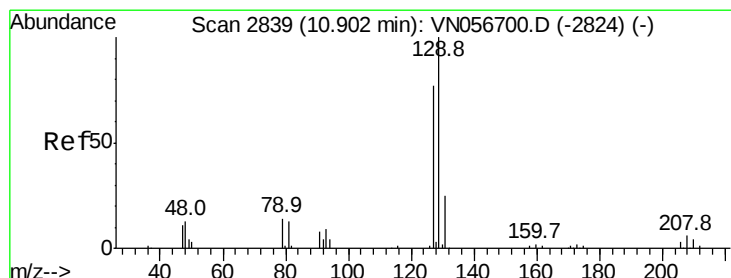
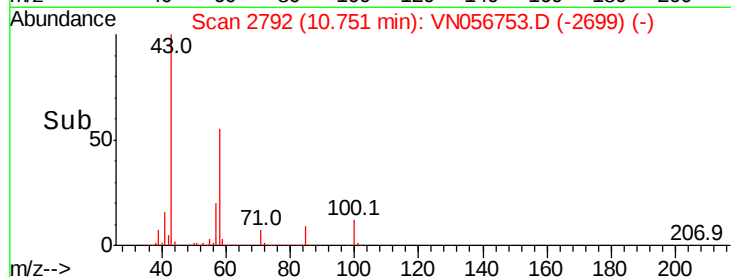
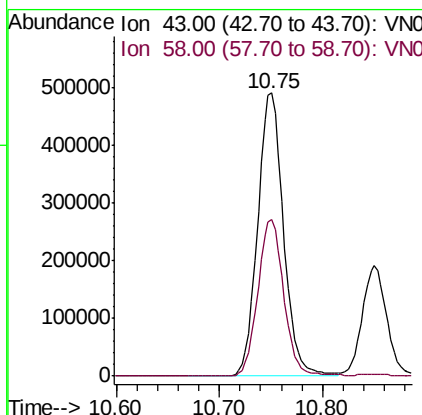
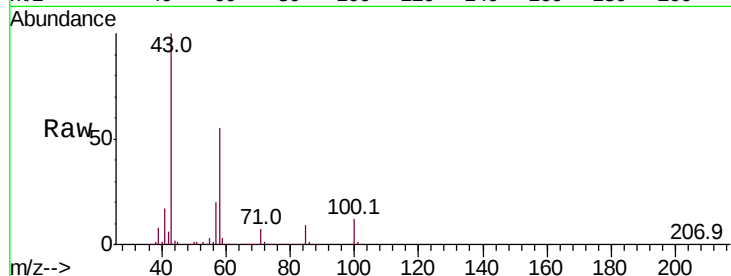
#59
2-Hexanone
Concen: 239.884 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 846723
Ion Ratio Lower Upper
43 100
58 55.9 27.9 83.6

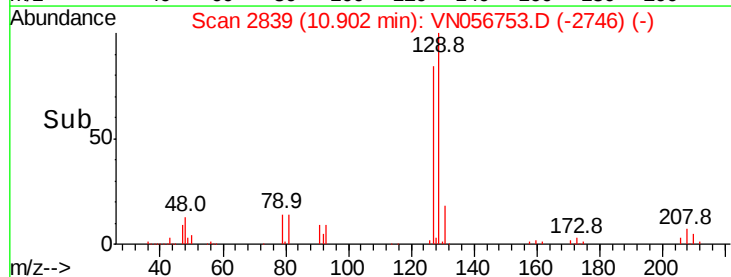
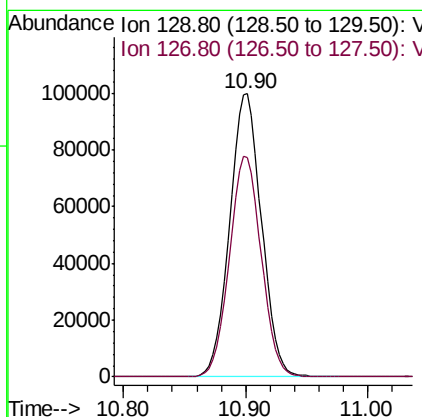
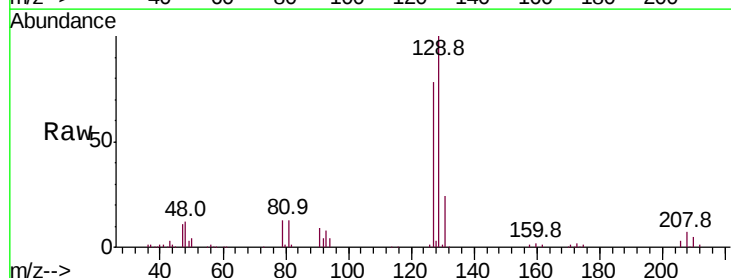
Manual Integrations
APPROVED

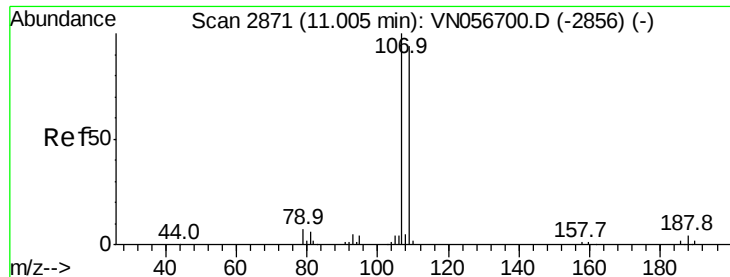
MMDadoda
7/17/2019 4:57:16 PM



#60
Dibromochloromethane
Concen: 49.200 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion: 129 Resp: 181027
Ion Ratio Lower Upper
129 100
127 77.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 48.650 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 180885

Ion Ratio Lower Upper

107 100

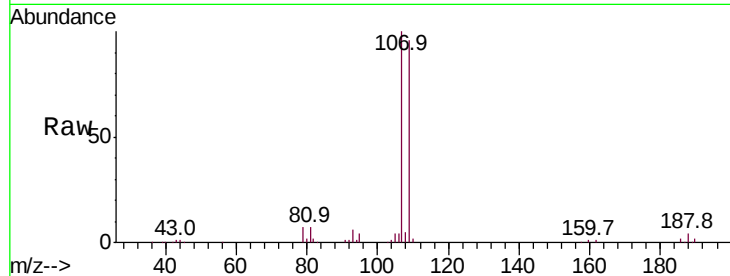
109 95.1 76.2 114.4

Manual Integrations

APPROVED

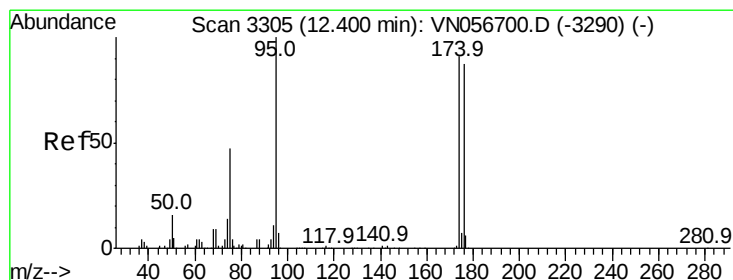
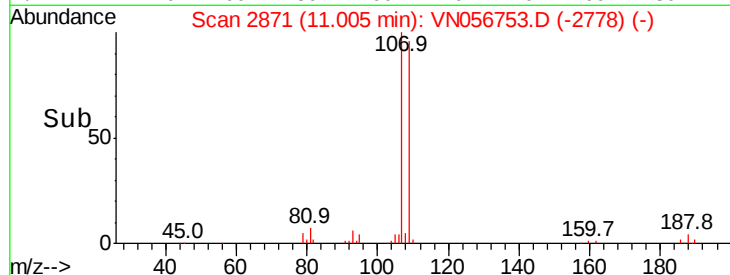
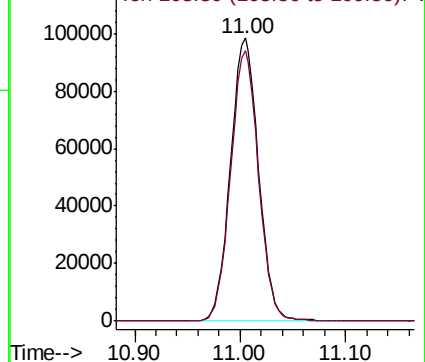
MMDadoda

7/17/2019 4:57:16 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.042 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

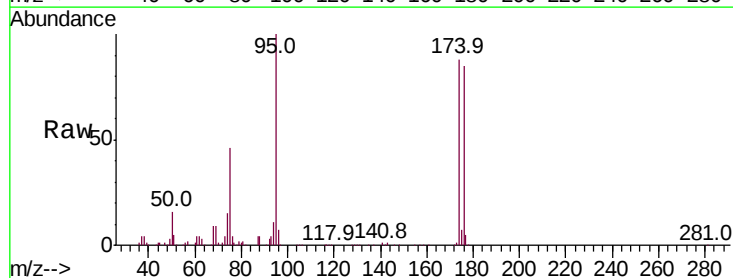
Tgt Ion: 95 Resp: 223452

Ion Ratio Lower Upper

95 100

174 90.4 0.0 180.0

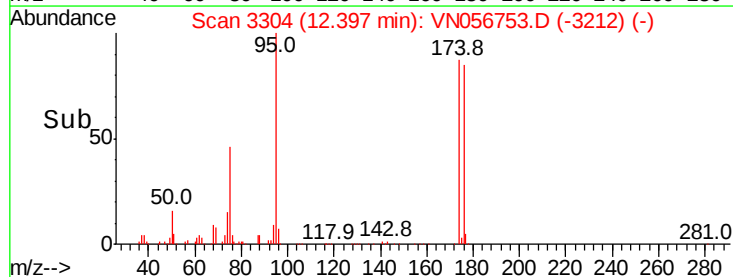
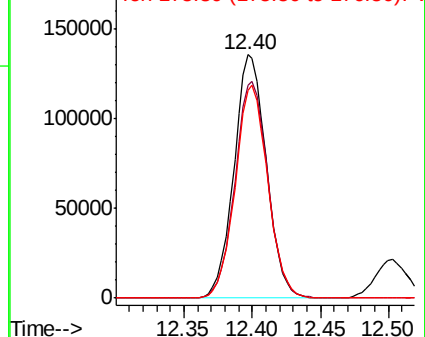
176 87.6 0.0 173.2

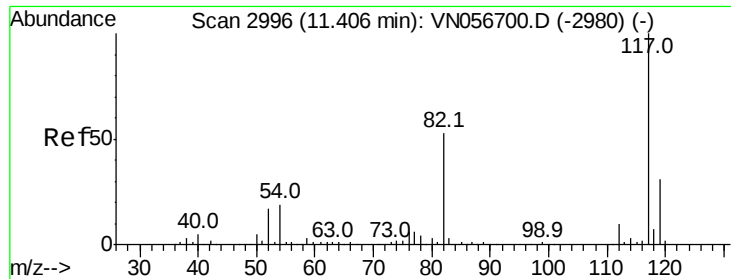


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





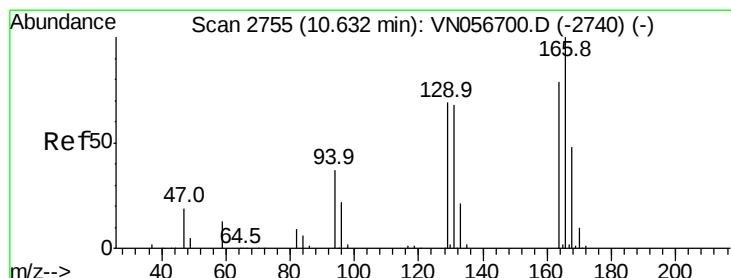
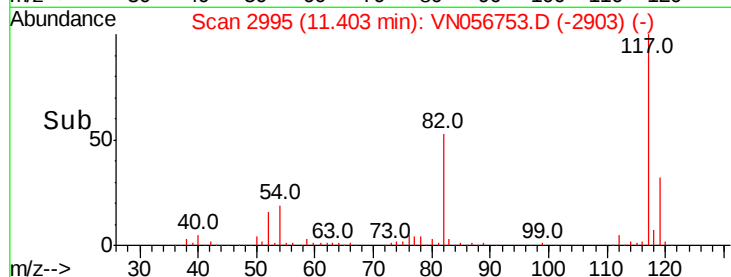
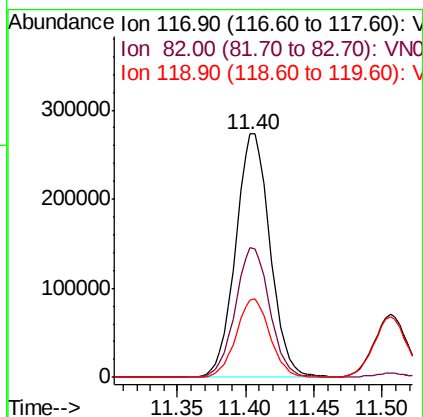
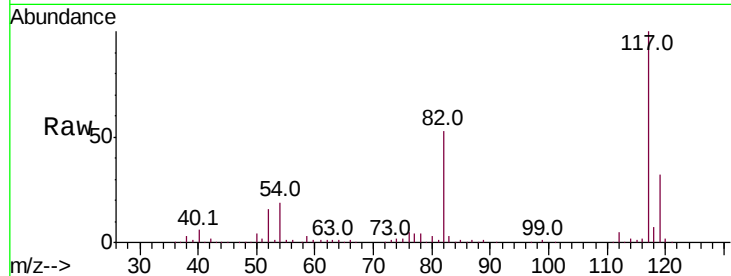
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.2	63.2
119	31.8	25.2	37.8

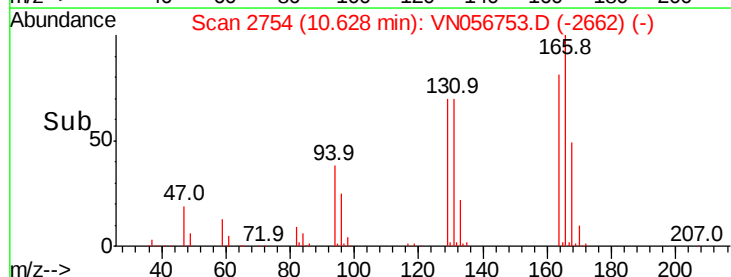
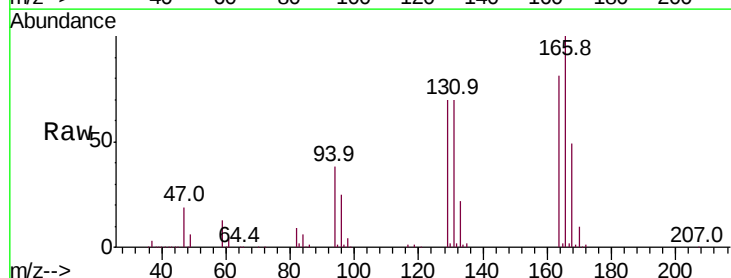
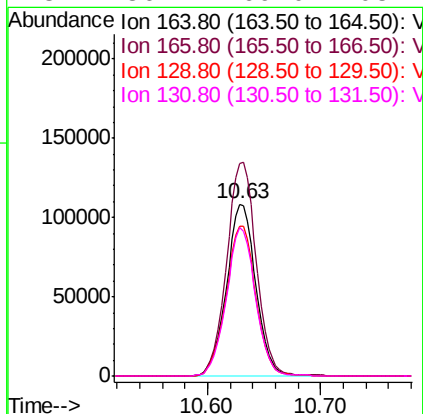
Manual Integrations
APPROVED

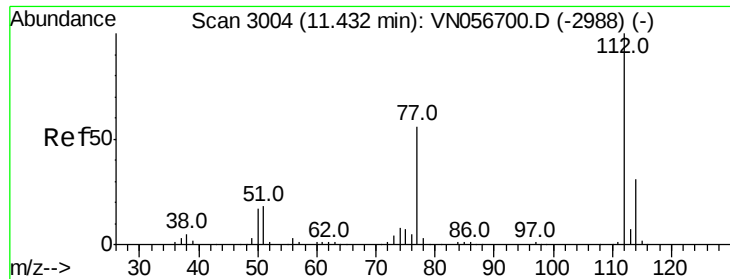
MMDadoda
7/17/2019 4:57:16 PM



#64
Tetrachloroethene
Concen: 46.979 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	101.4	152.2
129	87.4	69.6	104.4
131	86.2	69.0	103.4





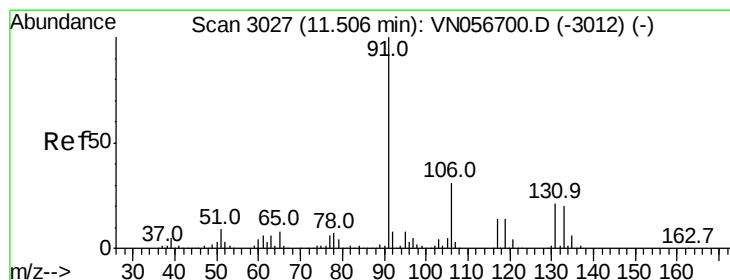
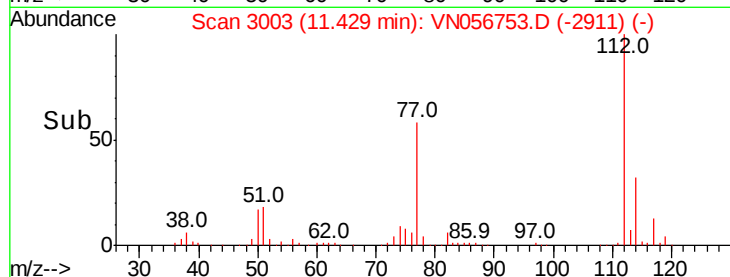
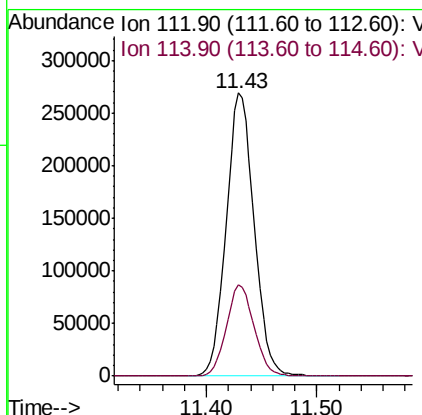
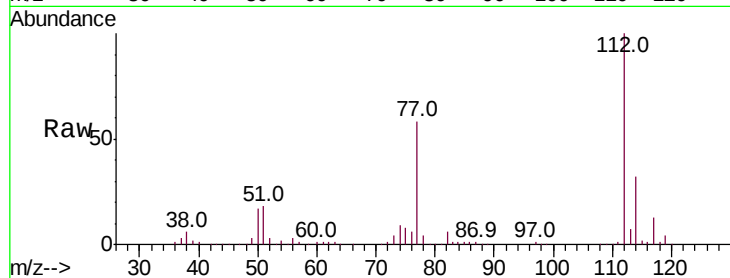
#65
Chlorobenzene
Concen: 47.987 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 470420
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8

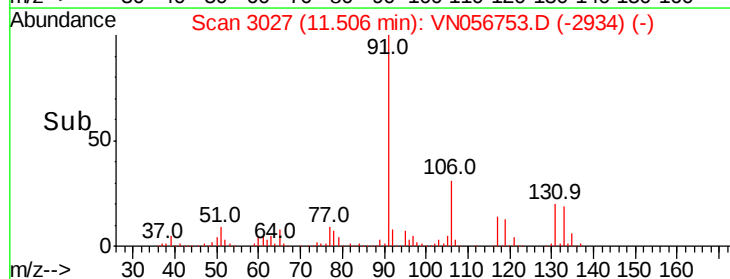
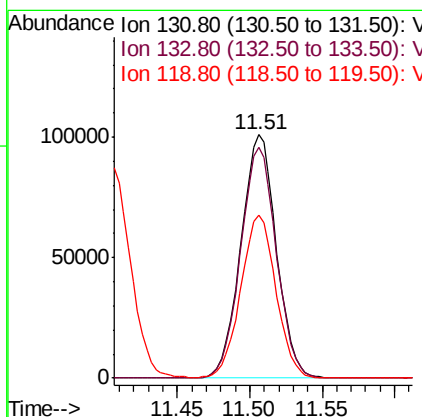
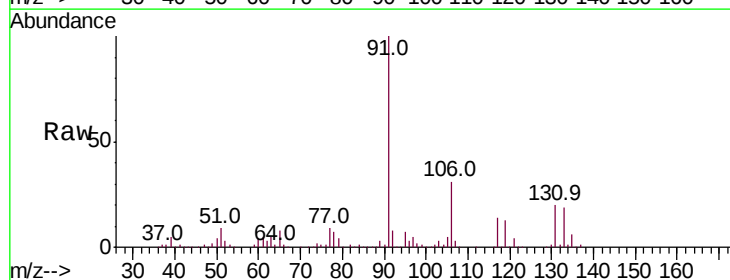
Manual Integrations
APPROVED

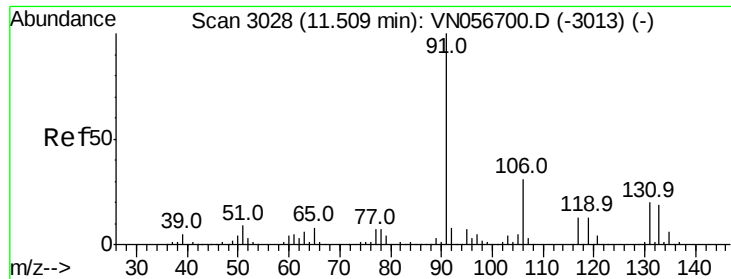
MMDadoda
7/17/2019 4:57:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.514 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion:131 Resp: 171500
Ion Ratio Lower Upper
131 100
133 95.6 46.9 140.7
119 66.6 32.8 98.3





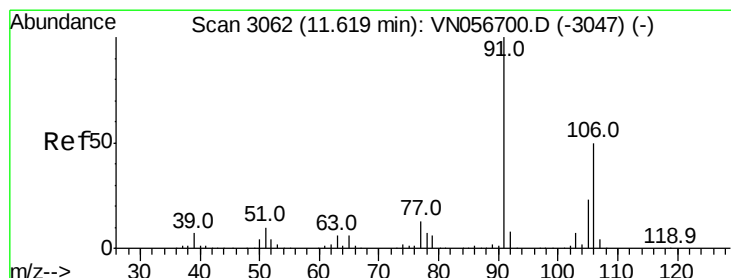
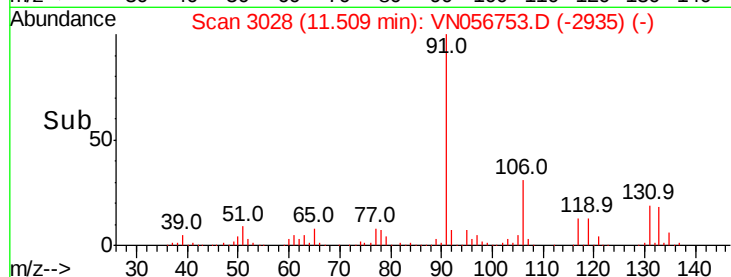
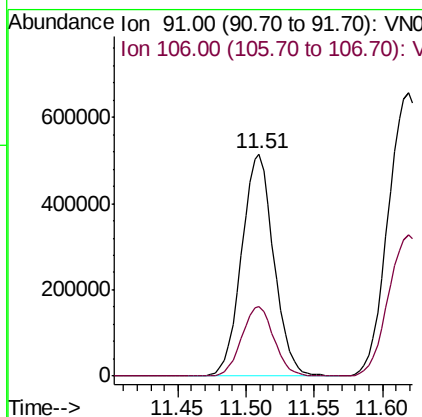
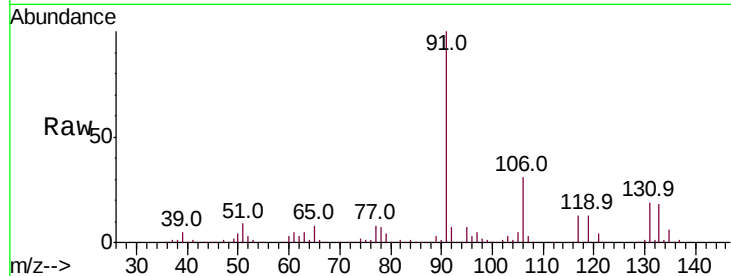
#67
Ethyl Benzene
Concen: 48.915 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 842726
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2

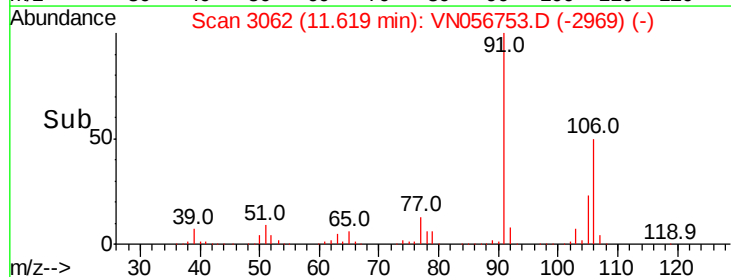
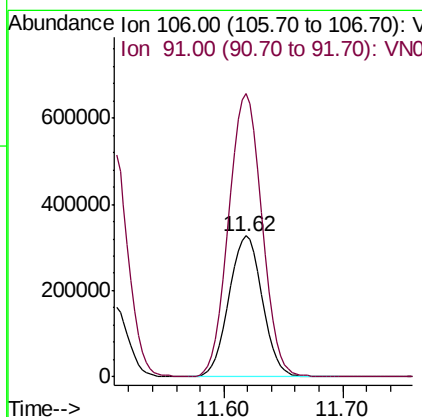
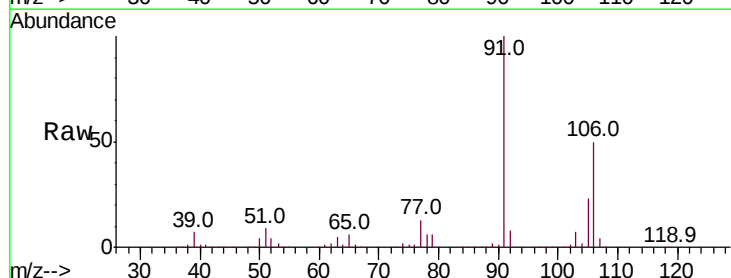
Manual Integrations
APPROVED

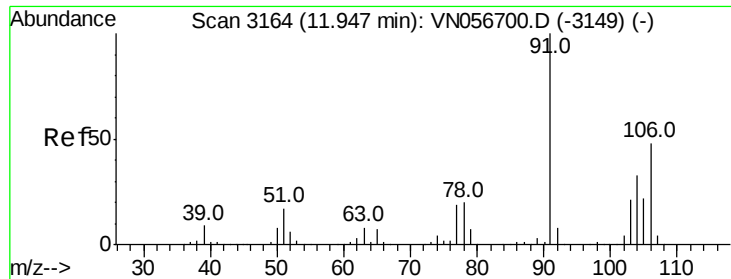
MMDadoda
7/17/2019 4:57:16 PM



#68
m/p-Xylenes
Concen: 98.647 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion: 106 Resp: 635152
Ion Ratio Lower Upper
106 100
91 200.7 160.5 240.7





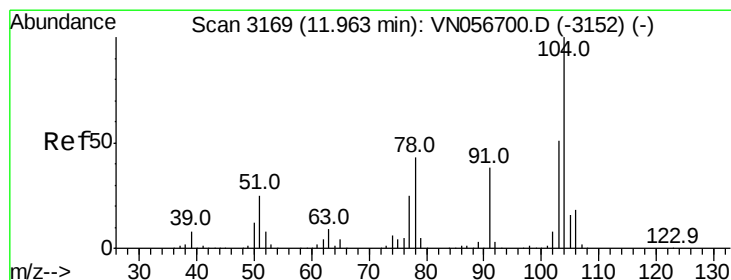
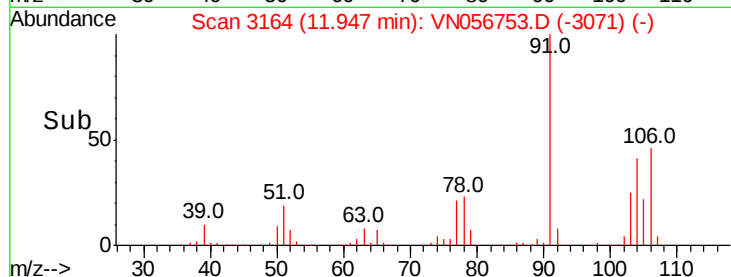
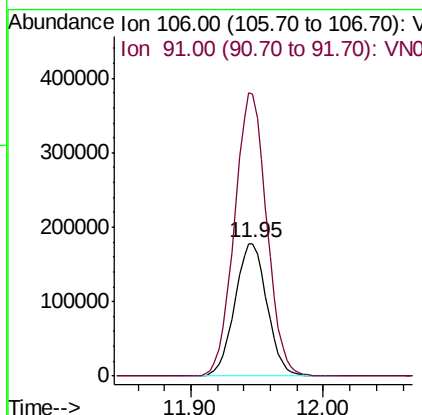
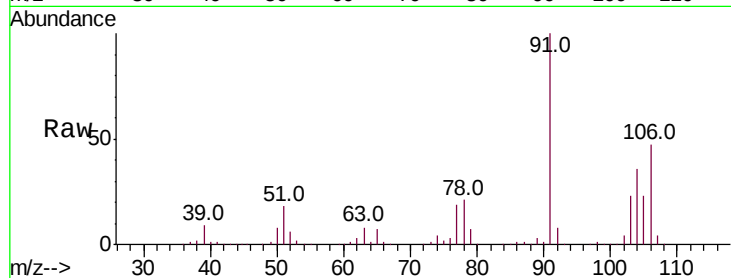
#69
o-Xylene
Concen: 47.433 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 300249
Ion Ratio Lower Upper
106 100
91 214.1 105.6 316.8

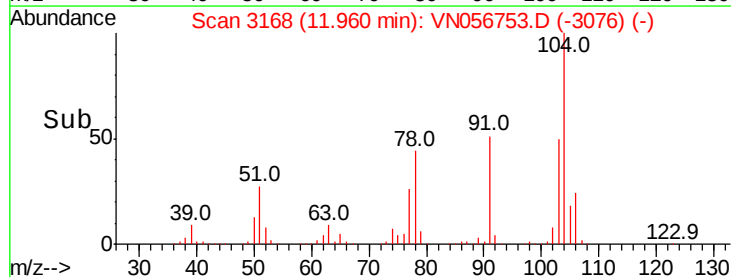
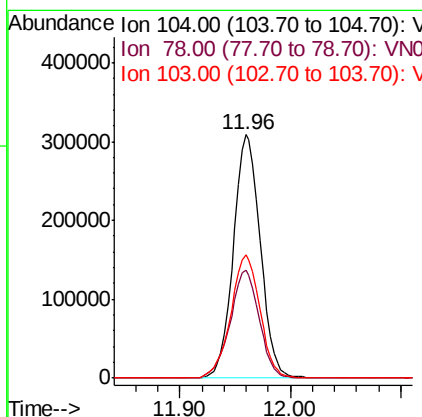
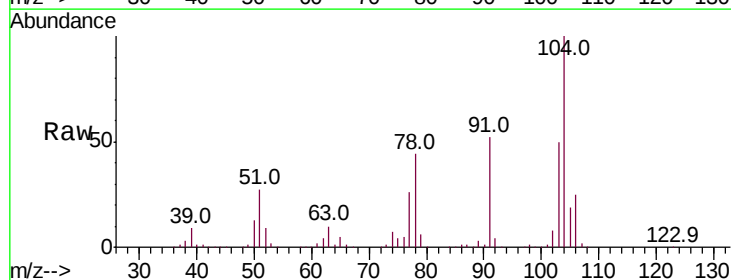
Manual Integrations
APPROVED

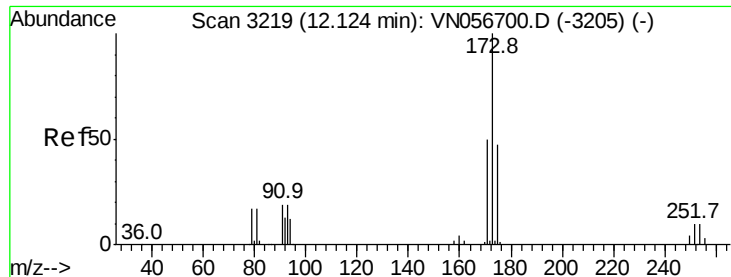
MMDadoda
7/17/2019 4:57:16 PM



#70
Styrene
Concen: 51.106 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion:104 Resp: 523003
Ion Ratio Lower Upper
104 100
78 47.9 38.6 57.8
103 54.7 44.2 66.4





#71

Bromoform

Concen: 49.025 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 134639

Ion Ratio Lower Upper

173 100

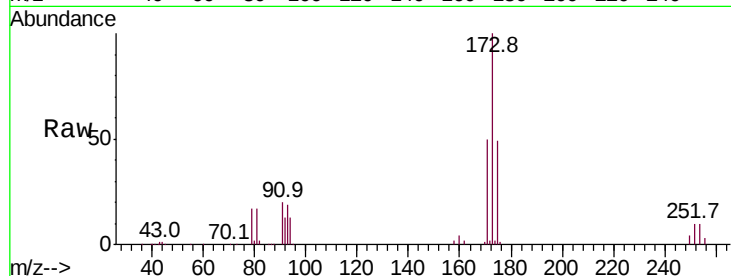
175 48.9 23.8 71.4

254 0.0 0.0 0.0

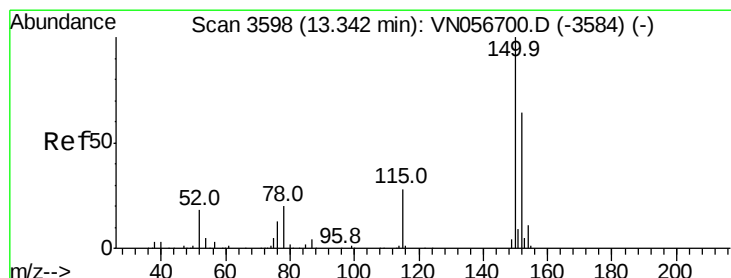
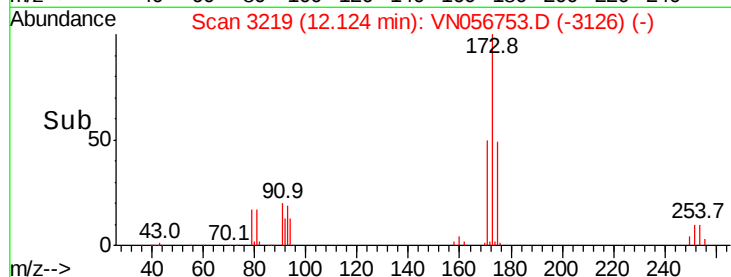
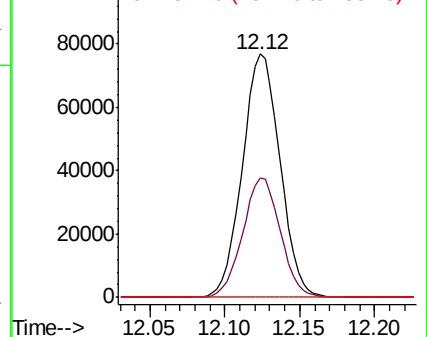
Manual Integrations
APPROVED

MMDadoda

7/17/2019 4:57:16 PM



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: VN056753.D

Acq: 16 Jul 2019 8:56

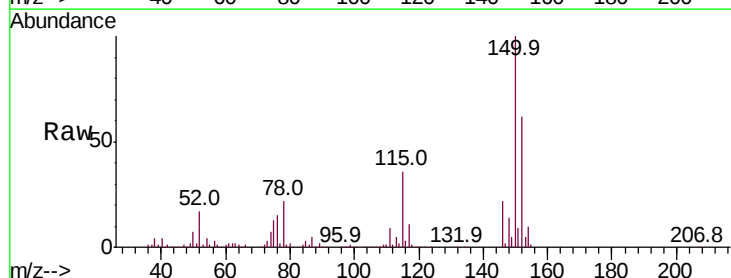
Tgt Ion:152 Resp: 229896

Ion Ratio Lower Upper

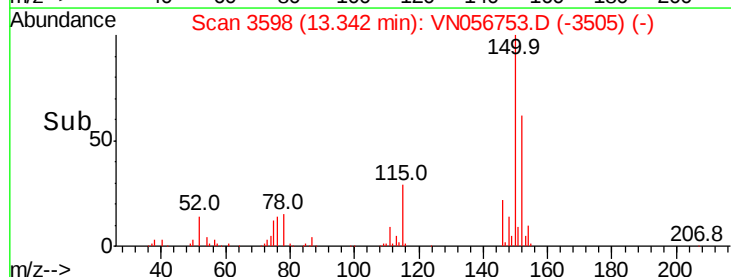
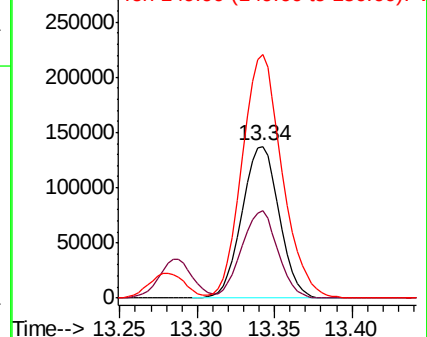
152 100

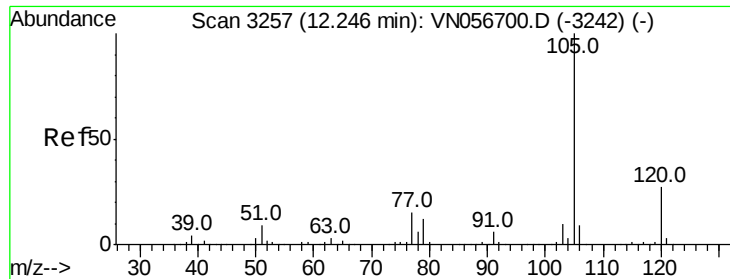
115 56.1 28.2 84.7

150 172.4 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.770 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 811356

Ion Ratio Lower Upper

105 100

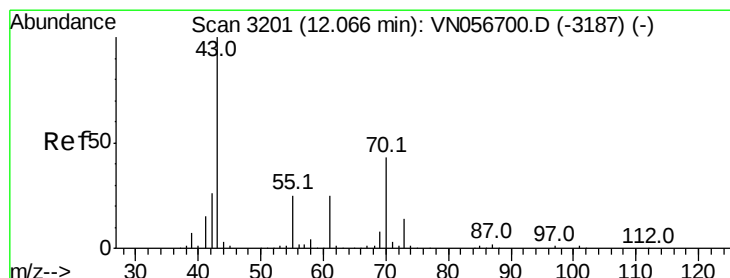
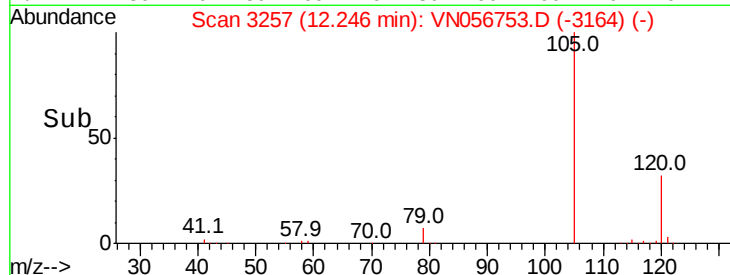
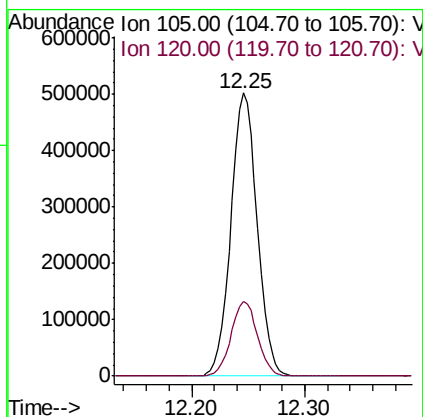
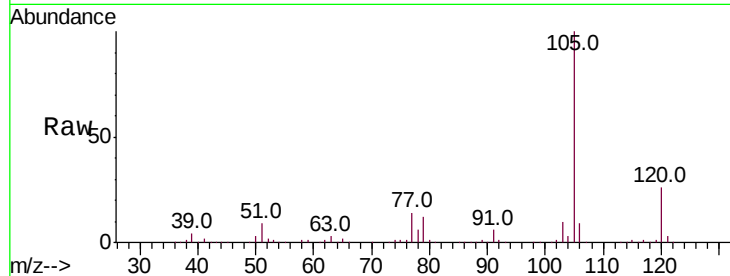
120 26.6 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

7/17/2019 4:57:16 PM



#74

N-ethyl acetate

Concen: 42.579 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Tgt Ion: 43 Resp: 293946

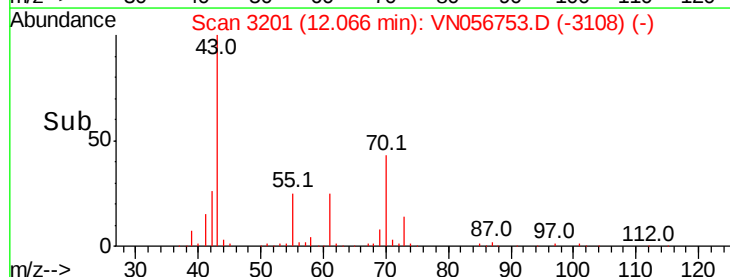
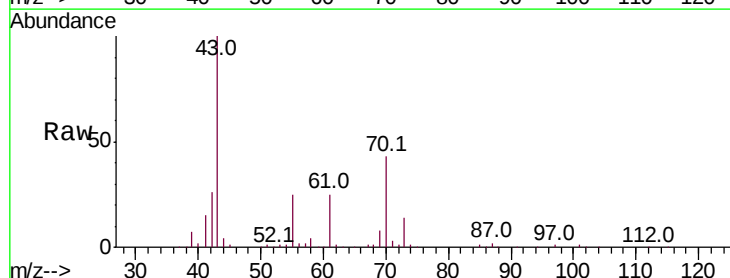
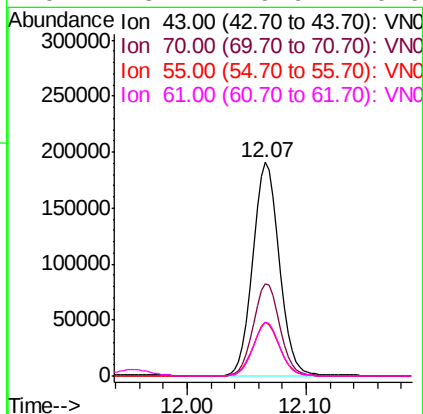
Ion Ratio Lower Upper

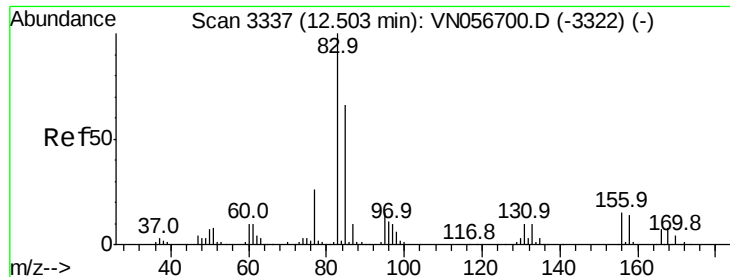
43 100

70 43.6 34.5 51.7

55 25.5 20.2 30.2

61 25.1 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 45.150 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 243367
Ion Ratio Lower Upper

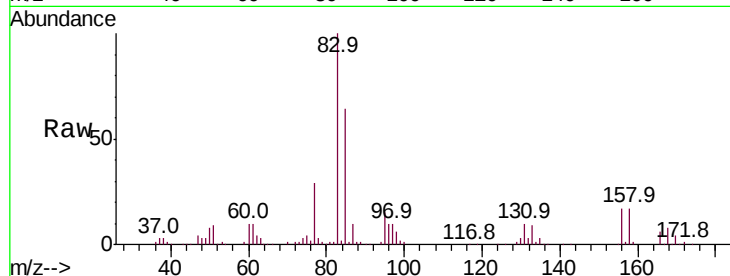
83 100

131 10.2 5.3 15.8

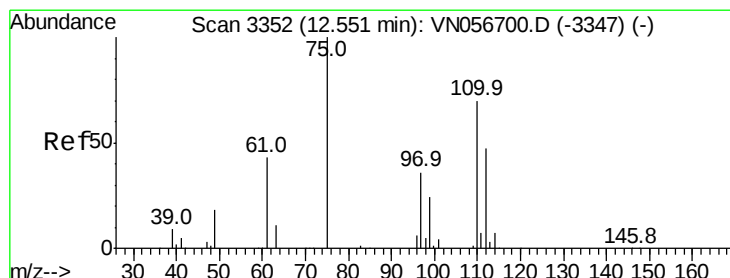
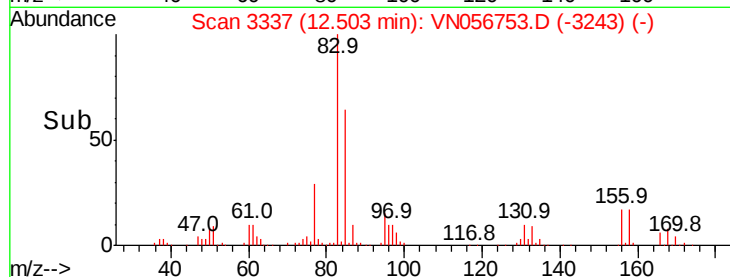
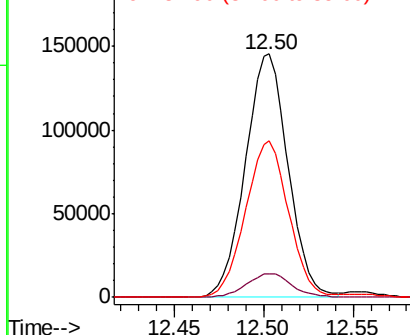
85 64.8 32.6 97.8

Manual Integrations
APPROVED

MMDadoda
7/17/2019 4:57:16 PM



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



#76

1,2,3-Trichloropropane

Concen: 41.767 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

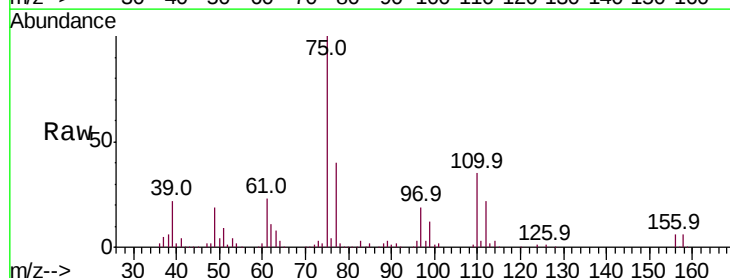
Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

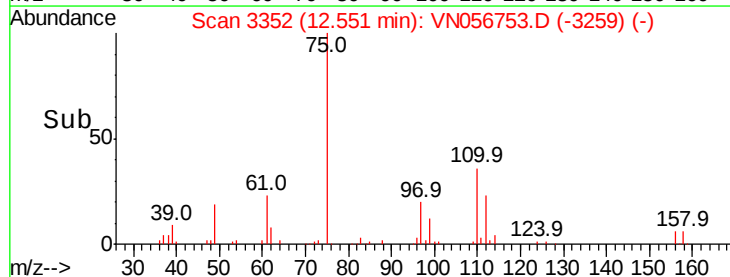
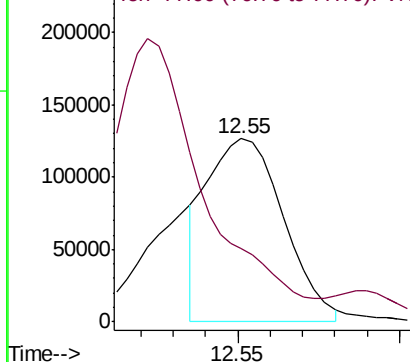
Tgt Ion: 75 Resp: 210010
Ion Ratio Lower Upper

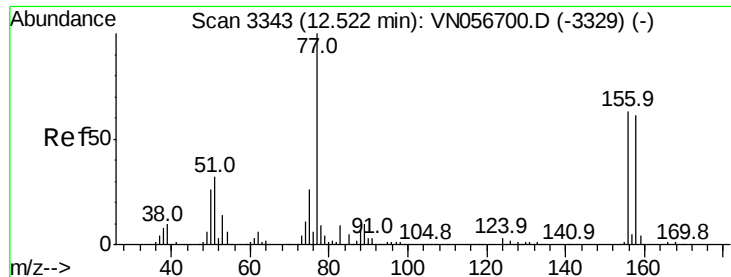
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 43.751 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

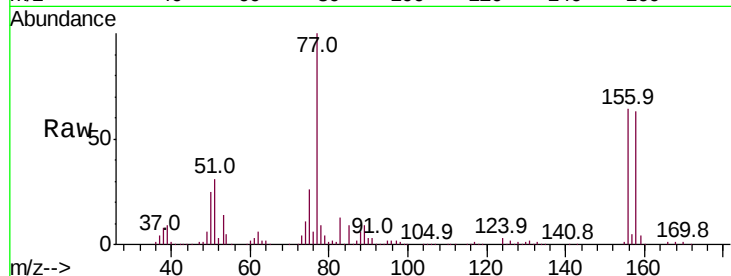
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	212125
Ion Ratio	Lower	Upper	
156	100		
77	189.6	97.2	291.6
158	98.2	48.9	146.8

Manual Integrations
APPROVED

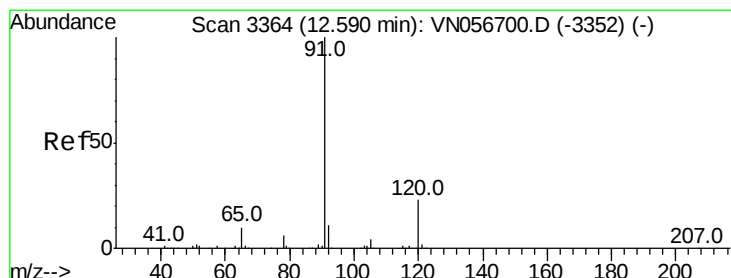
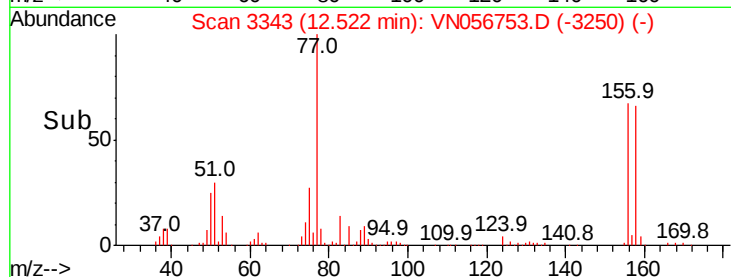
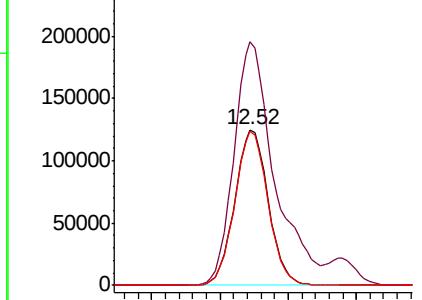
MMDadoda
7/17/2019 4:57:16 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.561 ug/l

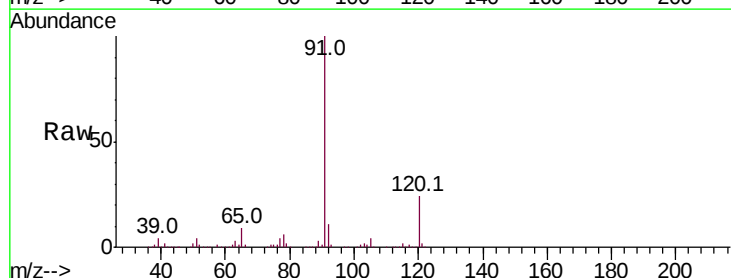
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056753.D

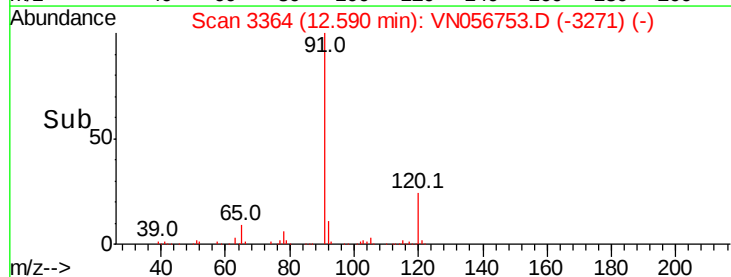
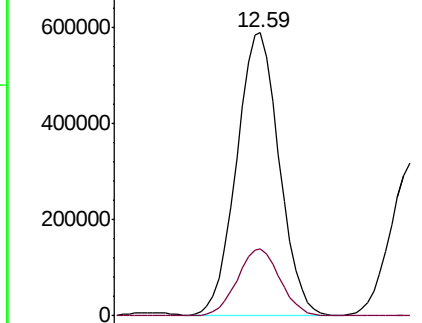
Acq: 16 Jul 2019 8:56

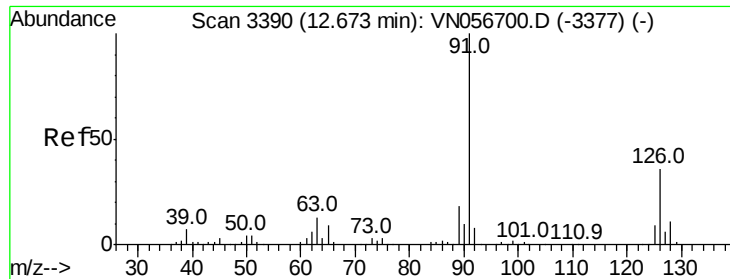
Tgt Ion:	91	Resp:	937607
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





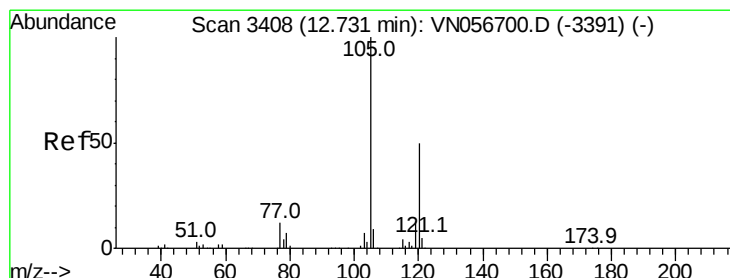
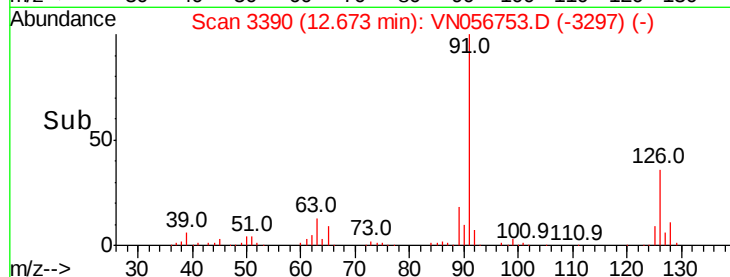
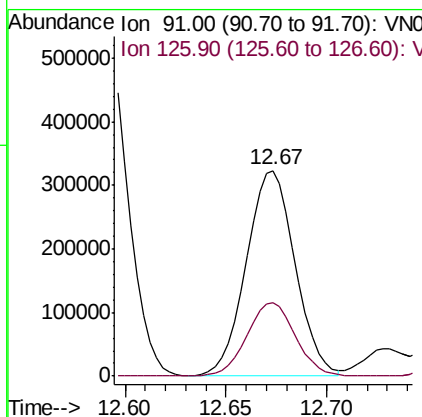
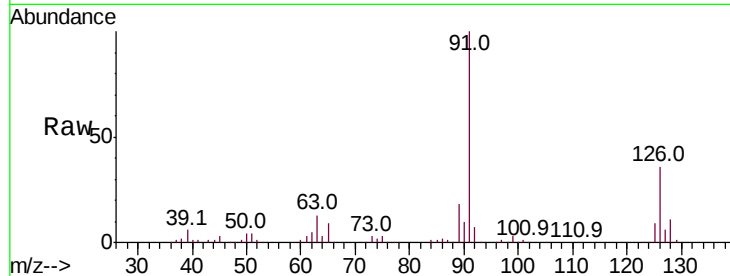
#79
 2-Chlorotoluene
 Concen: 47.797 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056753.D
 Acq: 16 Jul 2019 8:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 544369
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.9 53.7

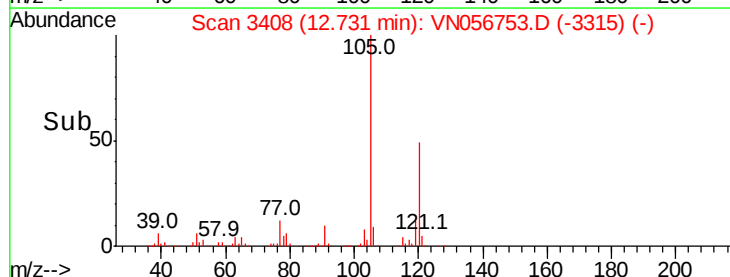
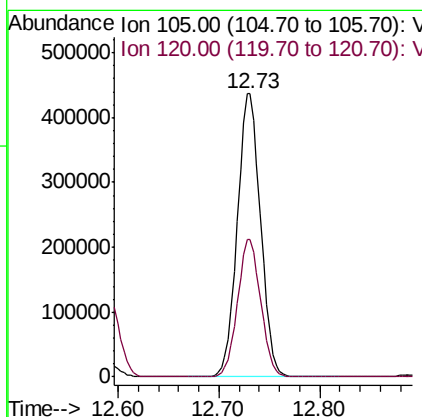
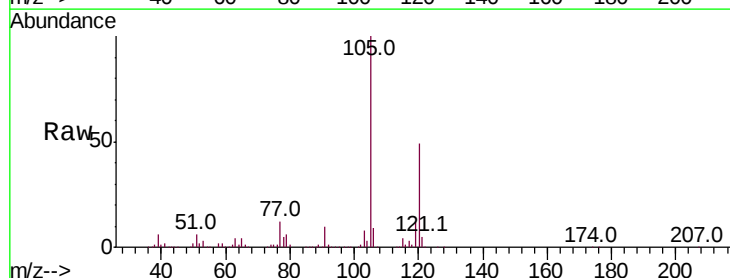
Manual Integrations
 APPROVED

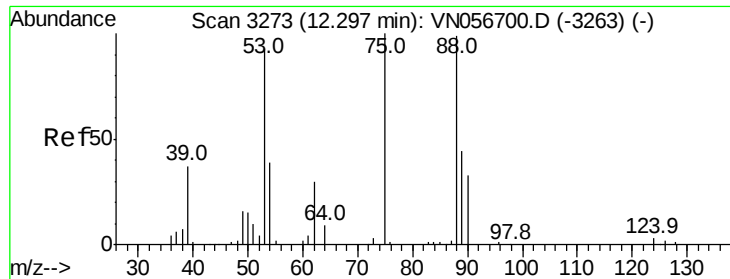
MMDadoda
 7/17/2019 4:57:16 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 44.229 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056753.D
 Acq: 16 Jul 2019 8:56

Tgt Ion: 105 Resp: 694864
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.8 74.3





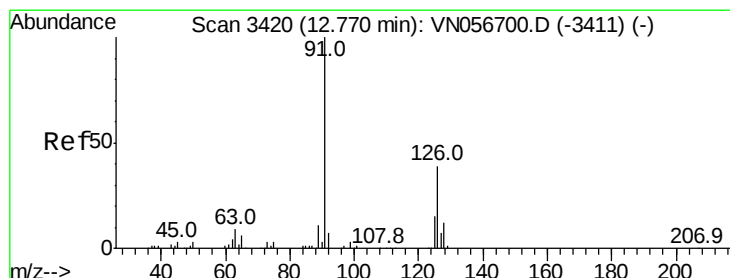
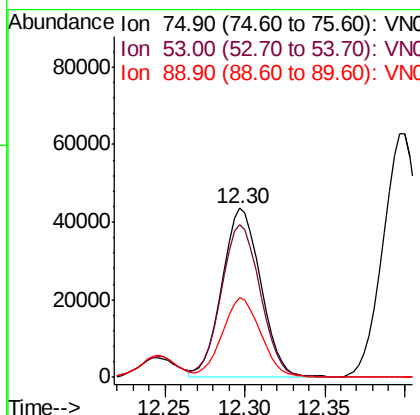
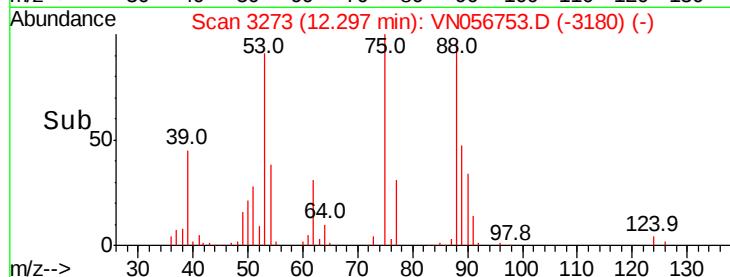
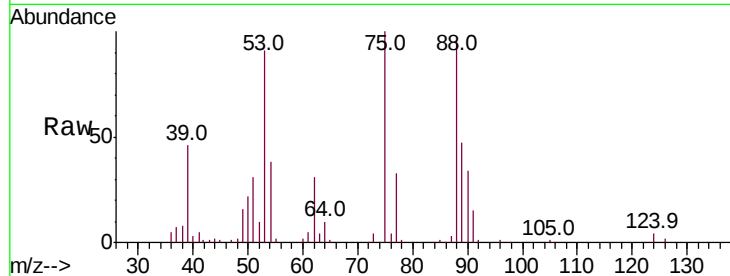
#81
trans-1,4-Dichloro-2-butene
Concen: 44.482 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.7	73.7	110.5
89	46.5	36.2	54.2

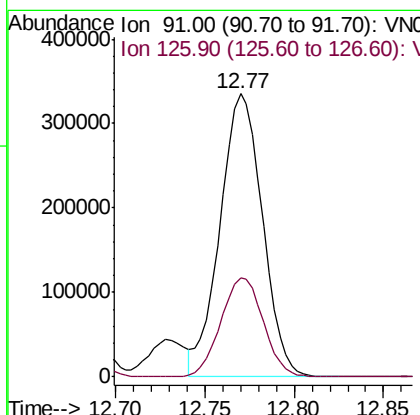
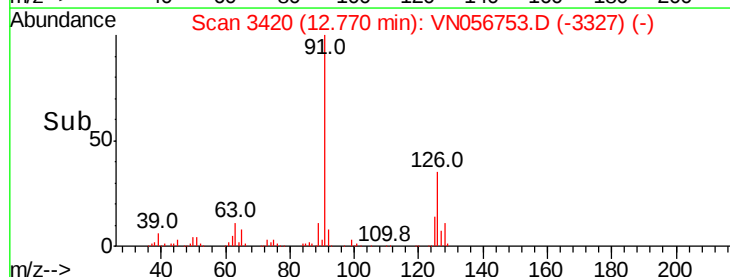
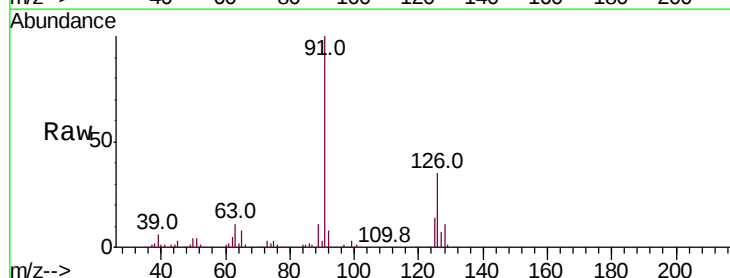
Manual Integrations
APPROVED

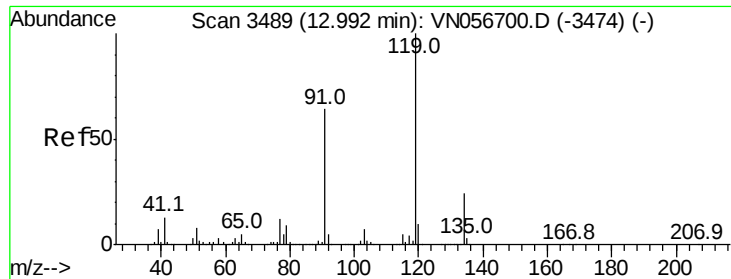
MMDadoda
7/17/2019 4:57:16 PM



#82
4-Chlorotoluene
Concen: 45.820 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8





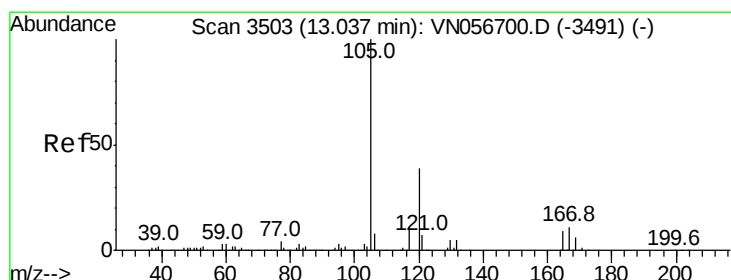
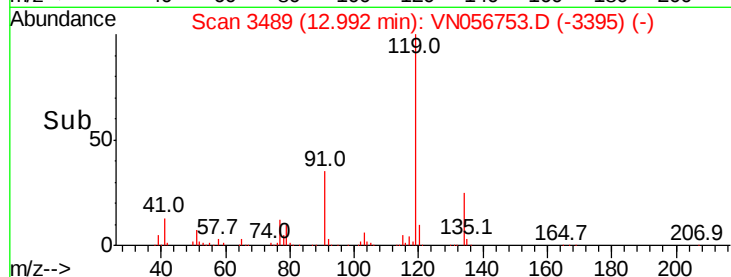
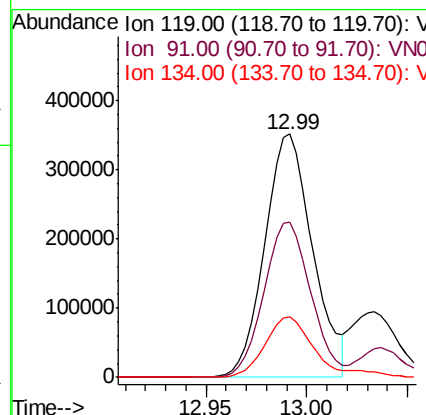
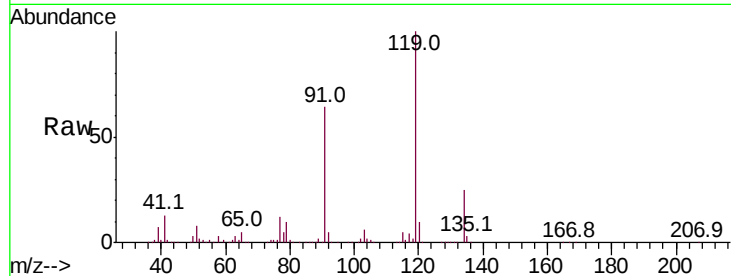
#83
 tert-Butylbenzene
 Concen: 47.487 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056753.D
 Acq: 16 Jul 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	31.8	95.4
134	26.1	13.0	38.9

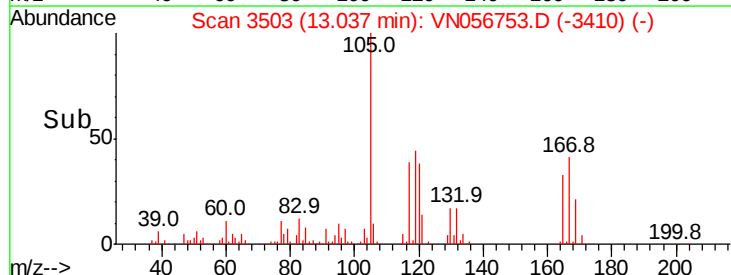
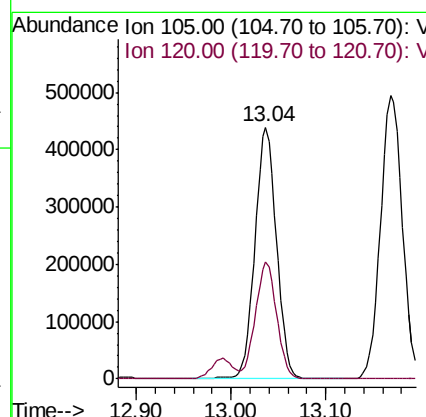
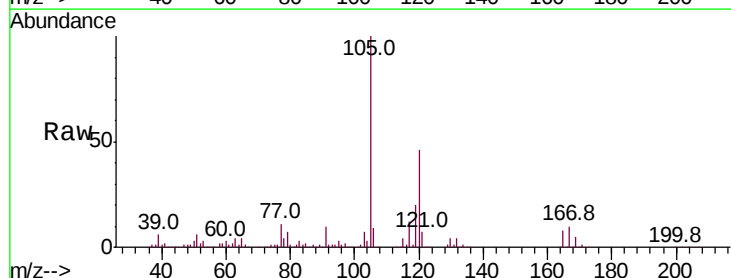
Manual Integrations
 APPROVED

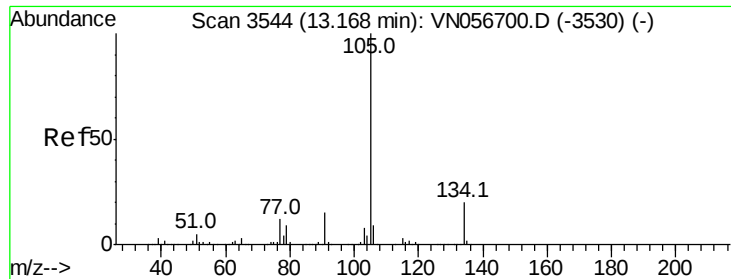
MMDadoda
 7/17/2019 4:57:16 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 45.213 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056753.D
 Acq: 16 Jul 2019 8:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.9	68.8





#85

sec-Butylbenzene

Concen: 45.247 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 789885

Ion Ratio Lower Upper

105 100

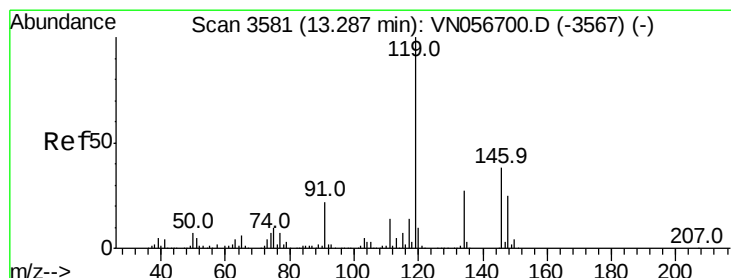
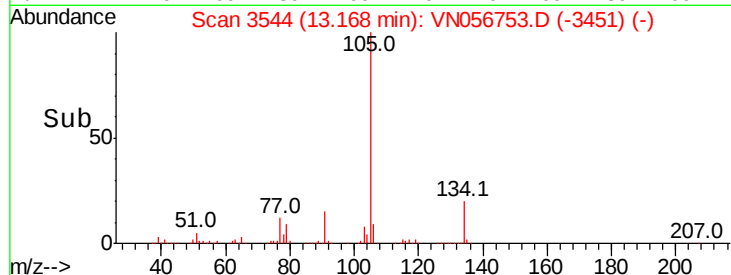
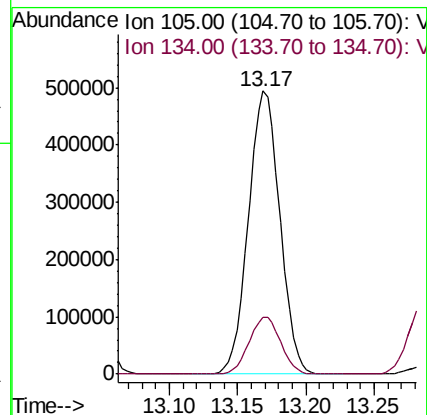
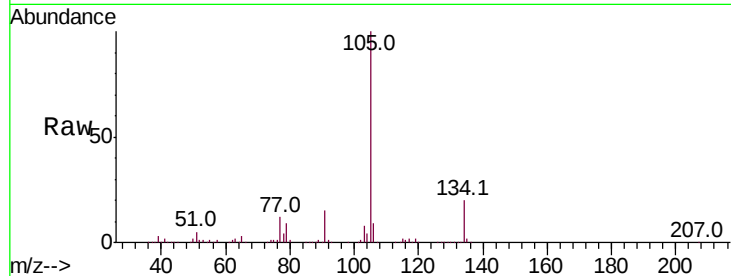
134 20.4 10.1 30.1

Manual Integrations

APPROVED

MMDadoda

7/17/2019 4:57:16 PM



#86

p-Isopropyltoluene

Concen: 46.258 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

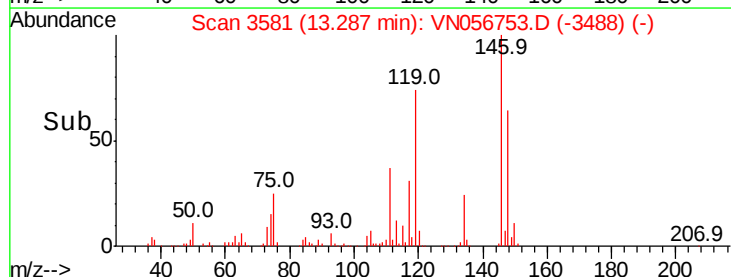
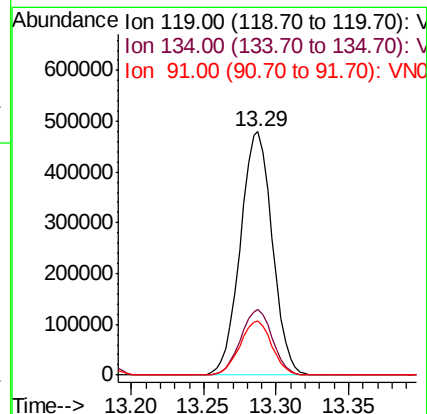
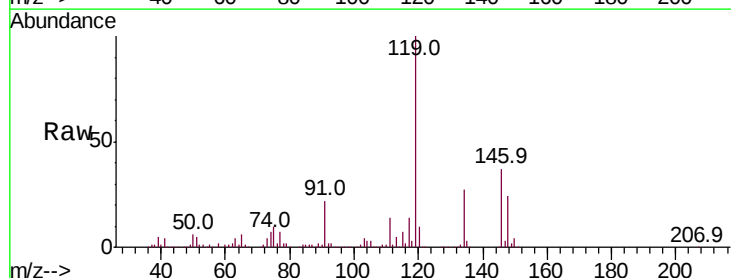
Tgt Ion:119 Resp: 731554

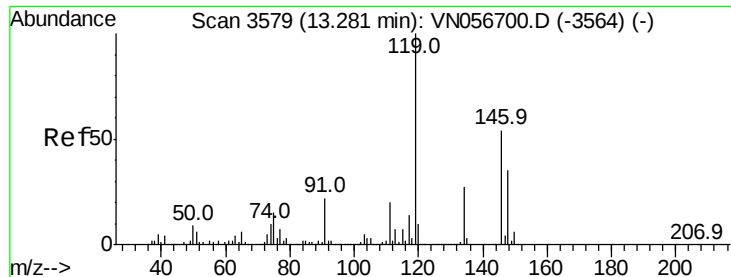
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

91 22.3 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 46.163 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Instrument :

MSVOA_N

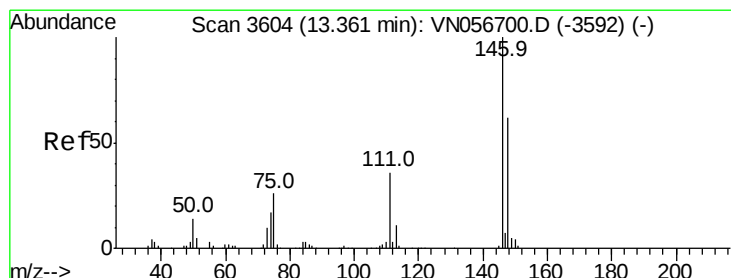
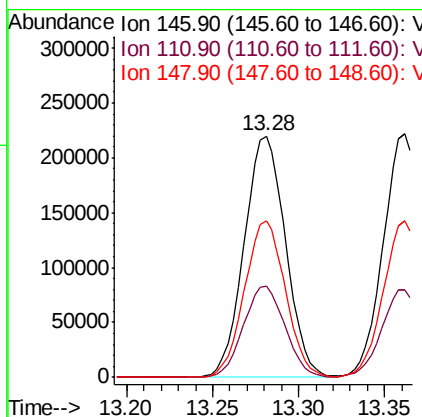
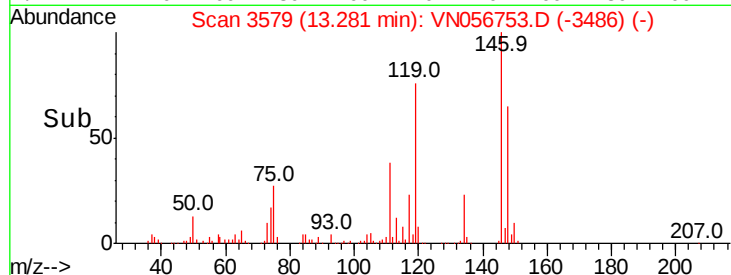
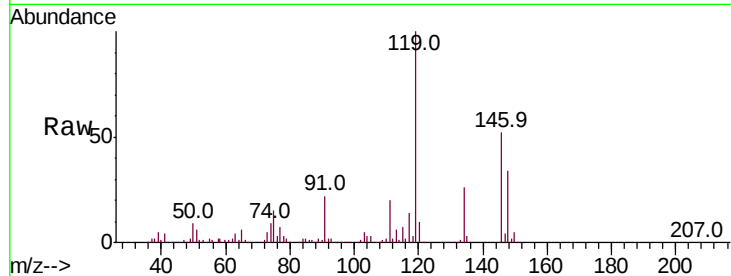
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	366805
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.8	56.3
148	64.2	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
7/17/2019 4:57:16 PM



#88

1,4-Dichlorobenzene

Concen: 46.399 ug/l

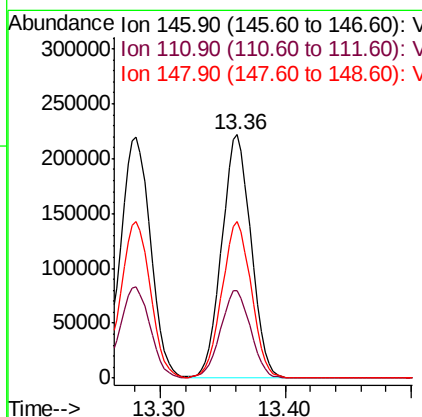
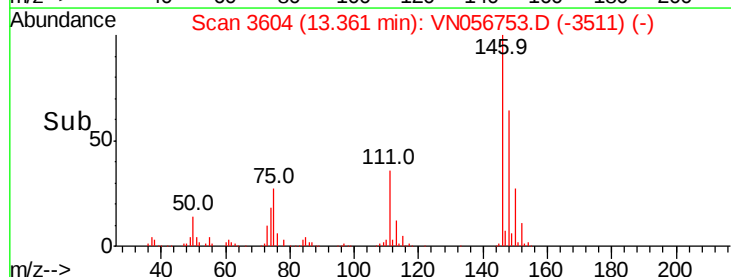
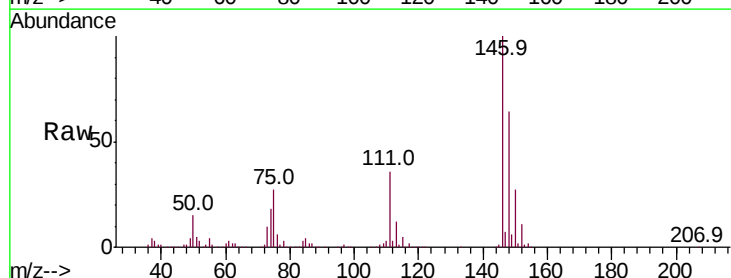
RT: 13.36 min Scan# 3604

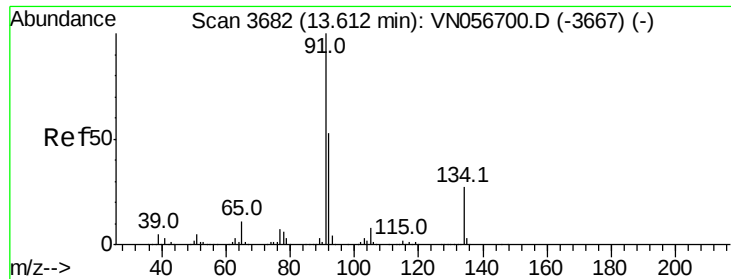
Delta R.T. 0.00 min

Lab File: VN056753.D

Acq: 16 Jul 2019 8:56

Tgt Ion:	146	Resp:	358616
Ion Ratio	Lower	Upper	
146	100		
111	36.8	18.6	55.8
148	64.7	31.9	95.7





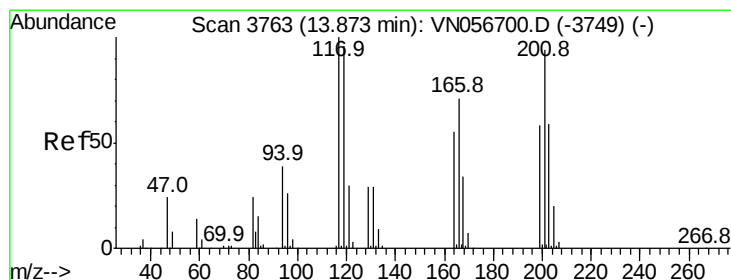
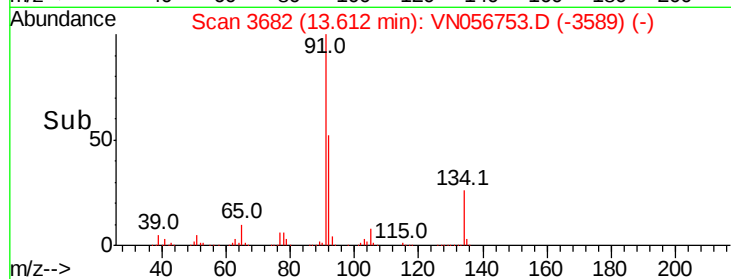
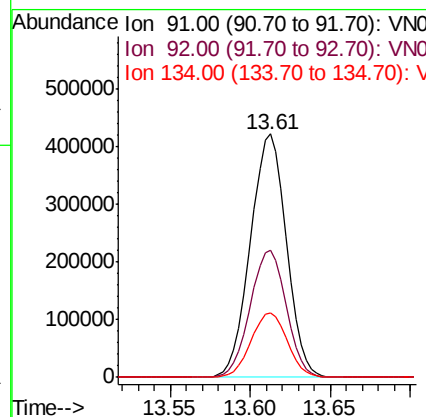
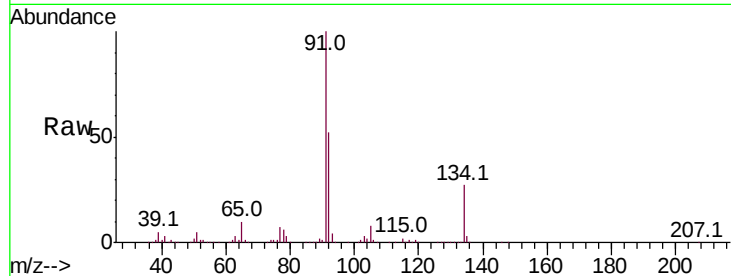
#89
n-Butylbenzene
Concen: 50.871 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	26.7	13.4	40.2

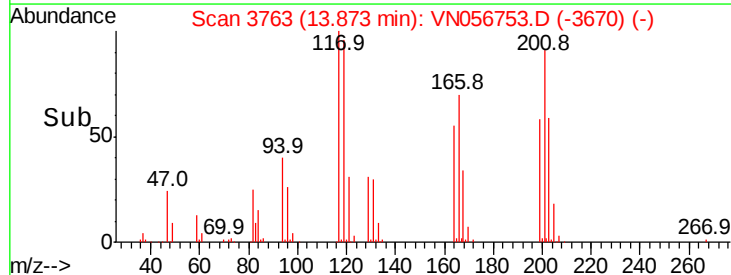
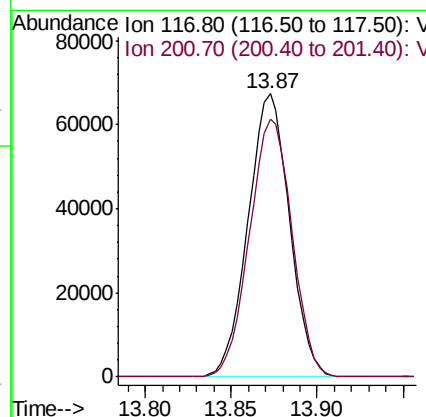
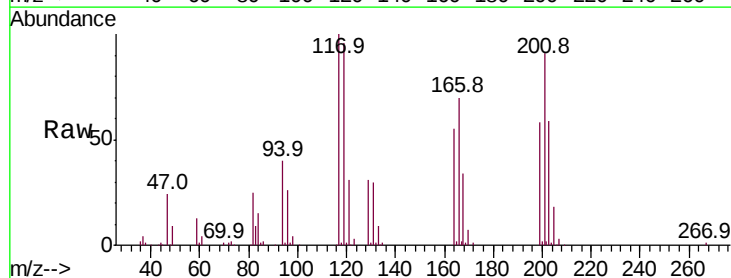
Manual Integrations
APPROVED

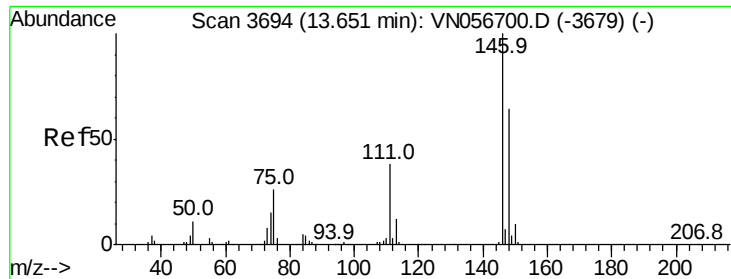
MMDadoda
7/17/2019 4:57:16 PM



#90
Hexachloroethane
Concen: 44.018 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.4	46.5	139.5





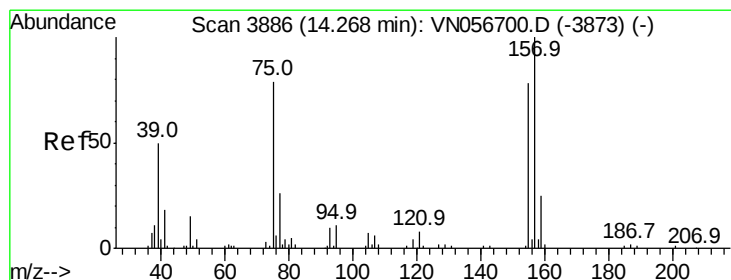
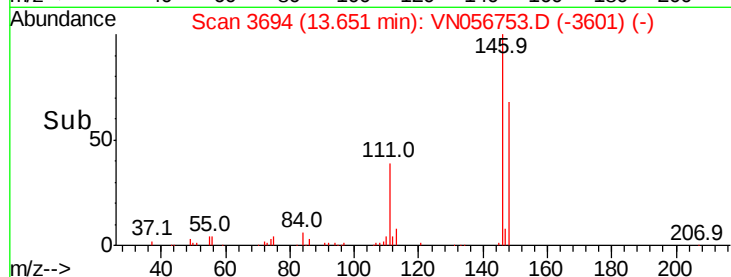
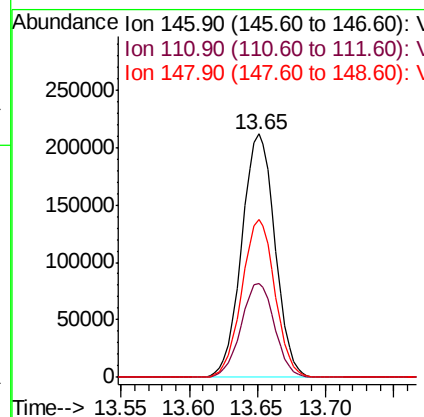
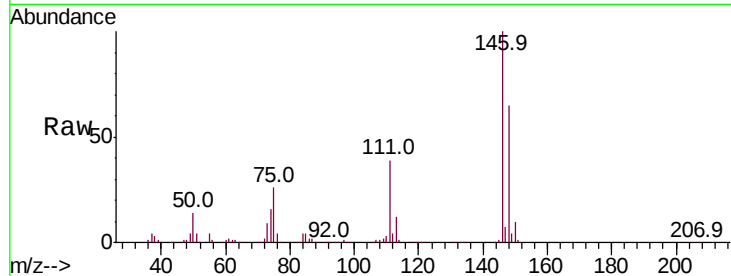
#91
 1,2-Dichlorobenzene
 Concen: 44.042 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056753.D
 Acq: 16 Jul 2019 8:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.1
148	64.3	31.7	95.1

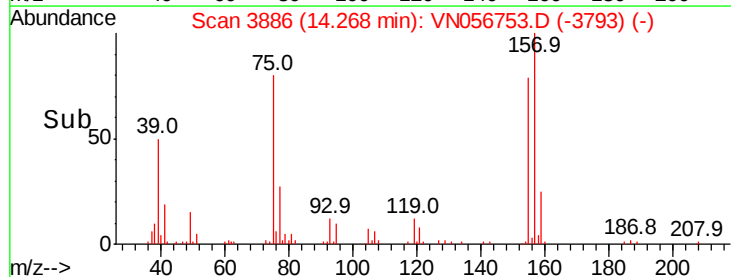
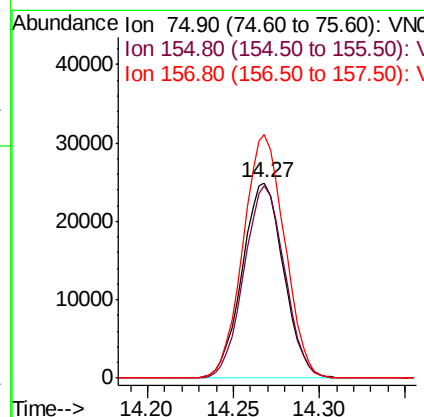
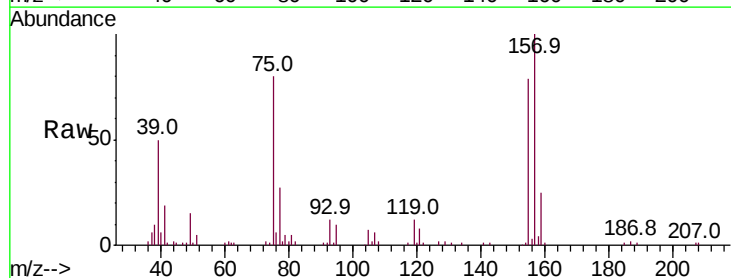
Manual Integrations
 APPROVED

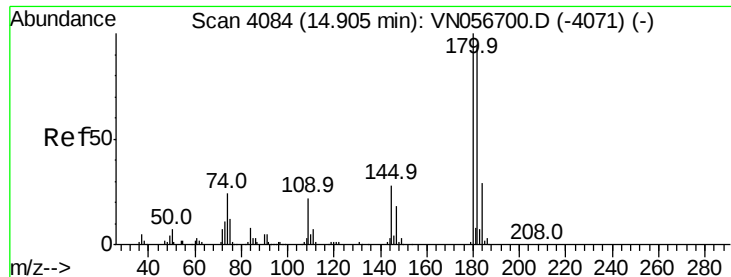
MMDadoda
 7/17/2019 4:57:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.094 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056753.D
 Acq: 16 Jul 2019 8:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	49.3	147.9
157	124.4	62.4	187.1





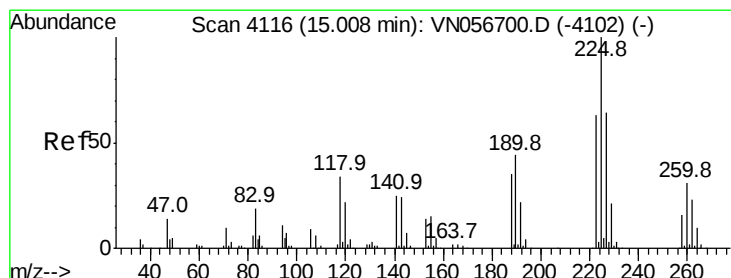
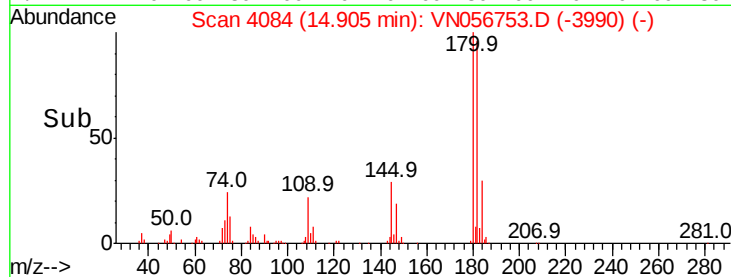
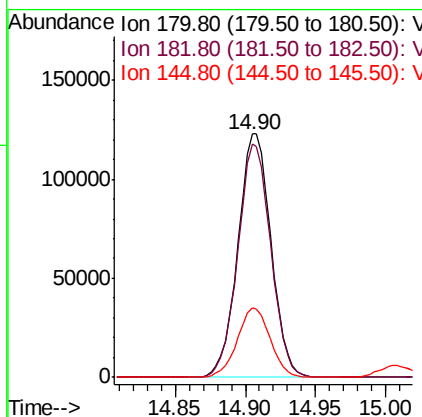
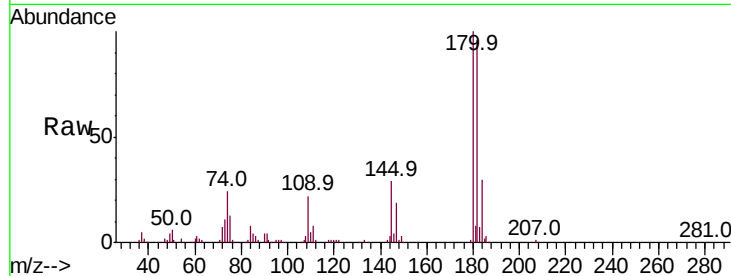
#93
 1,2,4-Trichlorobenzene
 Concen: 45.338 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056753.D
 Acq: 16 Jul 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.2	141.6	
145	28.4	14.2	42.8	

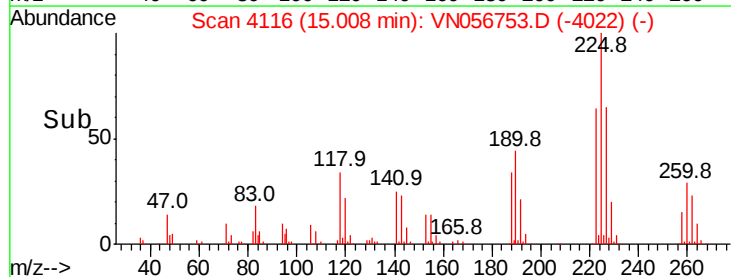
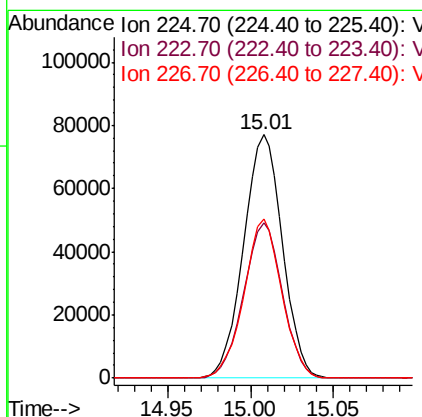
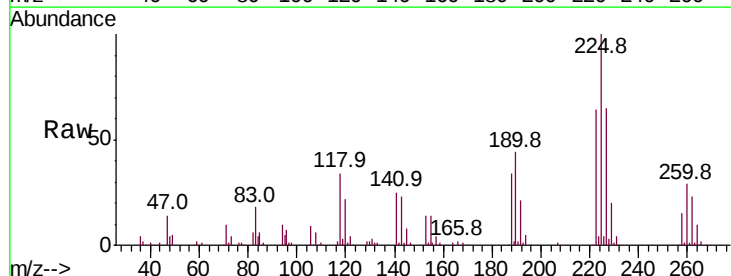
Manual Integrations
 APPROVED

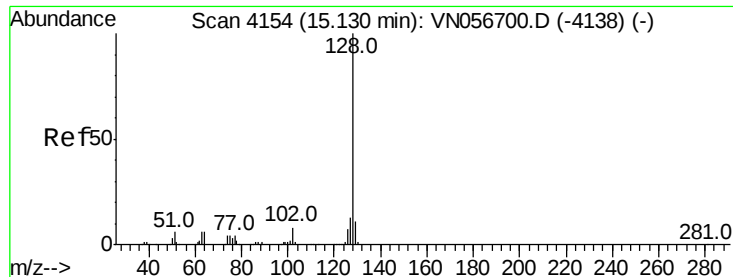
MMDadoda
 7/17/2019 4:57:16 PM



#94
 Hexachlorobutadiene
 Concen: 49.014 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056753.D
 Acq: 16 Jul 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	31.5	94.5	
227	63.6	32.0	96.2	





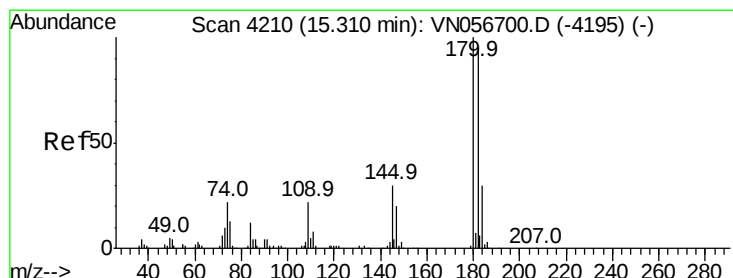
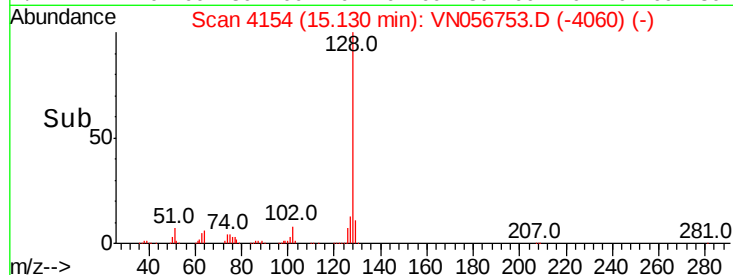
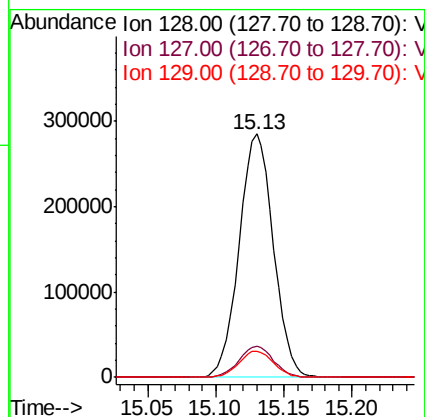
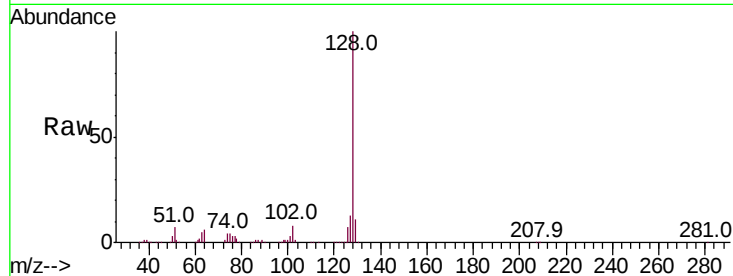
#95
Naphthalene
Concen: 41.230 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128	Resp:	497091
Ion Ratio	Lower	Upper
128 100		
127 12.8	10.3	15.5
129 10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/17/2019 4:57:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.397 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN056753.D
Acq: 16 Jul 2019 8:56

Tgt Ion:180	Resp:	200894
Ion Ratio	Lower	Upper
180 100		
182 94.7	47.1	141.3
145 29.9	15.0	45.1

