

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056726.D
 Acq On : 15 Jul 2019 21:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:46 AM

Quant Time: Jul 16 05:22:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	340280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	525601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	475093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	220636	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	181360	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
35) Dibromofluoromethane	7.59	113	159439	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	10.09	98	615031	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.40	95	216529	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	145340	45.487	ug/l	100
3) Chloromethane	2.06	50	193898	45.137	ug/l	100
4) Vinyl Chloride	2.18	62	197579	47.762	ug/l	100
5) Bromomethane	2.56	94	121163	49.806	ug/l	97
6) Chloroethane	2.70	64	112931	46.848	ug/l	99
7) Trichlorofluoromethane	3.01	101	249445	46.993	ug/l	98
8) Diethyl Ether	3.41	74	103183	49.859	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	153198	48.038	ug/l	100
10) Methyl Iodide	3.95	142	201999	47.356	ug/l	99
11) Tert butyl alcohol	4.79	59	146442	233.742	ug/l	100
12) 1,1-Dichloroethene	3.73	96	156281	48.856	ug/l	99
13) Acrolein	3.60	56	53894	251.779	ug/l	98
14) Allyl chloride	4.32	41	265070	47.916	ug/l	99
15) Acrylonitrile	4.99	53	446188	246.612	ug/l	98
16) Acetone	3.81	43	346567	199.805	ug/l	98
17) Carbon Disulfide	4.05	76	405291	47.946	ug/l	100
18) Methyl Acetate	4.33	43	185028	47.447	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	495439	48.610	ug/l	98
20) Methylene Chloride	4.55	84	181993	48.013	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	167323	49.484	ug/l	98
22) Diisopropyl ether	5.95	45	549144	50.291	ug/l	98
23) Vinyl Acetate	5.90	43	2273905	256.984	ug/l	100
24) 1,1-Dichloroethane	5.85	63	309063	48.819	ug/l	100
25) 2-Butanone	6.84	43	581826	229.436	ug/l	100
26) 2,2-Dichloropropane	6.83	77	204577	44.817	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	195317	50.200	ug/l	98
28) Bromochloromethane	7.20	49	148312	49.826	ug/l	99
29) Tetrahydrofuran	7.21	42	401014	242.454	ug/l	99
30) Chloroform	7.37	83	304218	48.021	ug/l	100
31) Cyclohexane	7.65	56	290700	48.312	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	253698	50.637	ug/l	100
36) 1,1-Dichloropropene	7.79	75	235345	48.388	ug/l	100
37) Ethyl Acetate	6.93	43	239784	50.021	ug/l	98
38) Carbon Tetrachloride	7.78	117	217904	47.773	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056726.D
 Acq On : 15 Jul 2019 21:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:46 AM

Quant Time: Jul 16 05:22:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	291052	48.464	ug/l	100
40) Benzene	8.04	78	719615	48.288	ug/l	99
41) Methacrylonitrile	7.18	41	97088m	46.108	ug/l	
42) 1,2-Dichloroethane	8.12	62	230079	48.850	ug/l	99
43) Isopropyl Acetate	8.17	43	372413	49.418	ug/l	100
44) Trichloroethene	8.83	130	194495	48.060	ug/l	98
45) 1,2-Dichloropropane	9.12	63	195763	49.437	ug/l	99
46) Dibromomethane	9.21	93	124281	50.645	ug/l	99
47) Bromodichloromethane	9.40	83	233852	50.149	ug/l	100
48) Methyl methacrylate	9.20	41	181224	49.725	ug/l	99
49) 1,4-Dioxane	9.20	88	61575	823.397	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1198050	245.453	ug/l	100
52) Toluene	10.16	92	447658	50.581	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	250294	51.447	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	283988	50.302	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	179687	48.405	ug/l	99
56) Ethyl methacrylate	10.43	69	277428	51.941	ug/l	99
57) 1,3-Dichloropropane	10.71	76	302393	49.877	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	646001	251.513	ug/l	99
59) 2-Hexanone	10.75	43	867390	247.665	ug/l	100
60) Dibromochloromethane	10.90	129	185618	50.843	ug/l	98
61) 1,2-Dibromoethane	11.00	107	187284	50.766	ug/l	100
64) Tetrachloroethene	10.63	164	188520	45.995	ug/l	98
65) Chlorobenzene	11.43	112	478179	49.224	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	175481	49.062	ug/l	97
67) Ethyl Benzene	11.51	91	845954	49.552	ug/l	99
68) m/p-Xylenes	11.62	106	635912	99.668	ug/l	100
69) o-Xylene	11.95	106	308515	49.184	ug/l	100
70) Styrene	11.96	104	527429	52.010	ug/l	100
71) Bromoform	12.13	173	139089	51.108	ug/l #	99
73) Isopropylbenzene	12.25	105	811942	45.640	ug/l	99
74) N-amyl acetate	12.07	43	309789	46.757	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	256160	49.714	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	205750m	42.637	ug/l	
77) Bromobenzene	12.53	156	215130	46.233	ug/l	98
78) n-propylbenzene	12.59	91	922575	46.712	ug/l	100
79) 2-Chlorotoluene	12.67	91	544076	49.846	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	690109	45.770	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	75180	48.114	ug/l	98
82) 4-Chlorotoluene	12.77	91	551899	47.617	ug/l	99
83) tert-Butylbenzene	12.99	119	585608	49.818	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	690122	46.852	ug/l	100
85) sec-Butylbenzene	13.17	105	777652	46.415	ug/l	100
86) p-Isopropyltoluene	13.29	119	708906	46.707	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	361846	47.451	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	358226	48.294	ug/l	100
89) n-Butylbenzene	13.61	91	605185	49.501	ug/l	100
90) Hexachloroethane	13.87	117	114101	46.488	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	358612	45.980	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44940	47.109	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
Data File : VN056726.D
Acq On : 15 Jul 2019 21:05
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

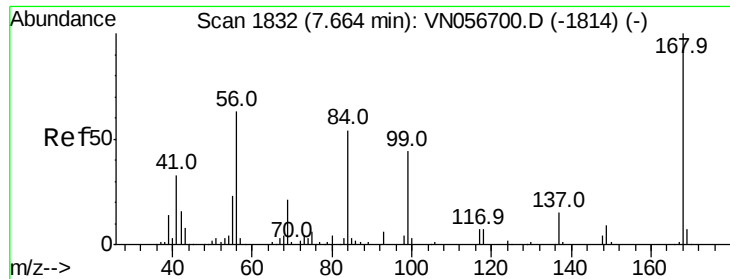
Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:46 AM

Quant Time: Jul 16 05:22:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 01:25:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	198705	46.403	ug/l	99
94) Hexachlorobutadiene	15.01	225	116815	47.611	ug/l	99
95) Naphthalene	15.13	128	524618	44.888	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	199037	46.757	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 340280

Ion Ratio Lower Upper

168 100

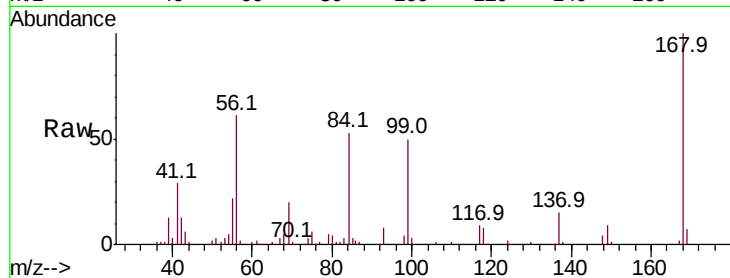
99 50.2 39.4 59.2

Manual Integrations

APPROVED

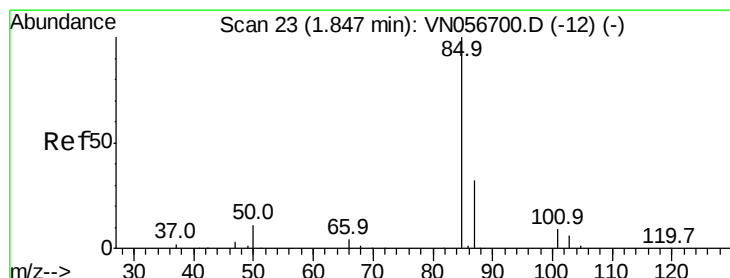
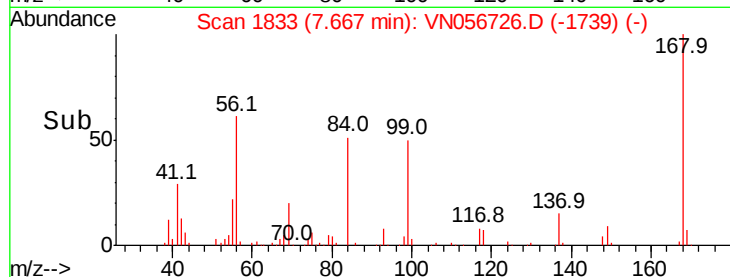
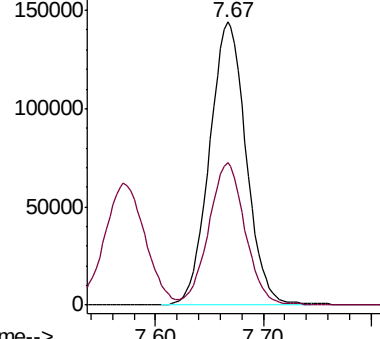
MMDadoda

7/17/2019 1:31:46 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.487 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056726.D

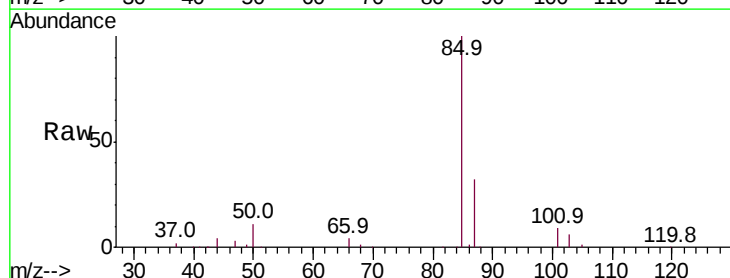
Acq: 15 Jul 2019 21:05

Tgt Ion: 85 Resp: 145340

Ion Ratio Lower Upper

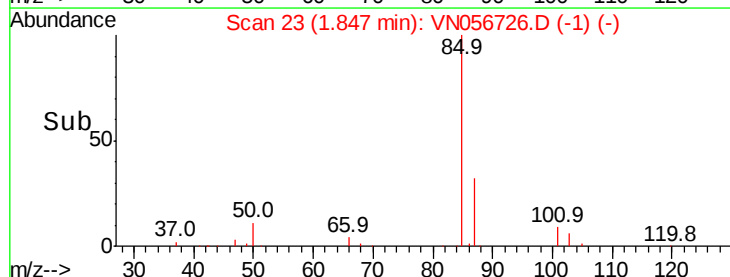
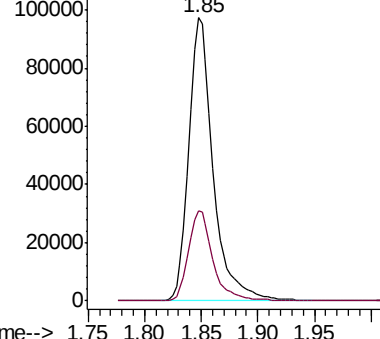
85 100

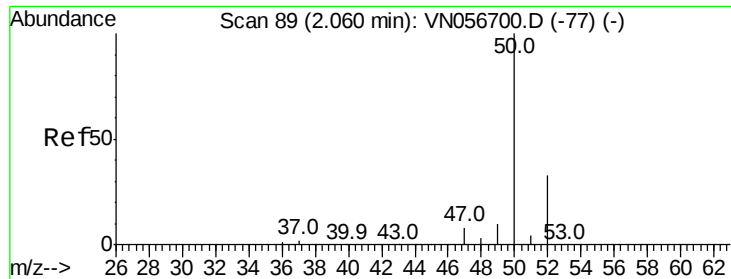
87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.137 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 193898

Ion Ratio Lower Upper

50 100

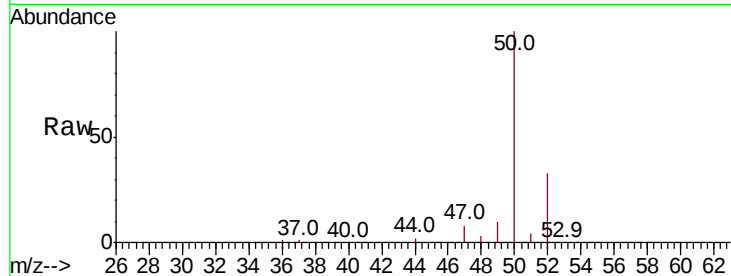
52 33.1 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

7/17/2019 1:31:46 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

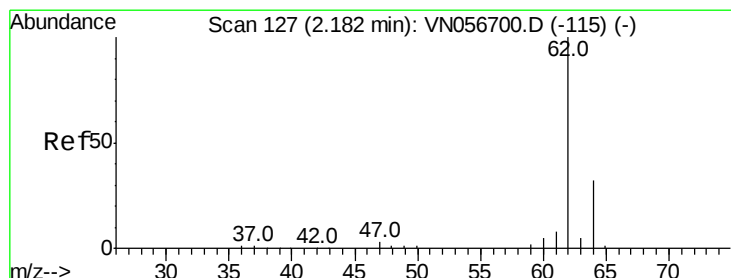
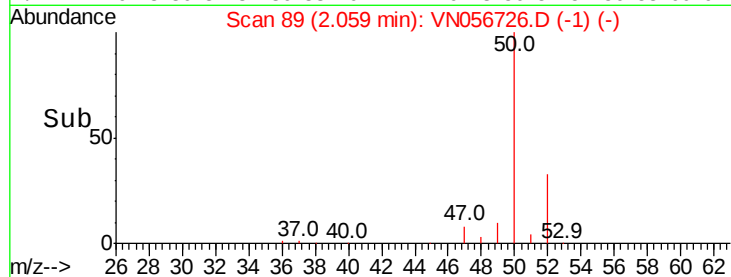
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.762 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056726.D

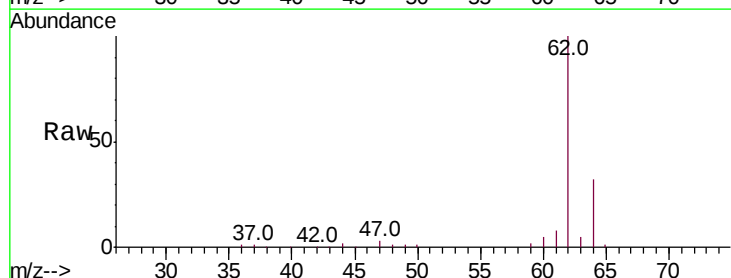
Acq: 15 Jul 2019 21:05

Tgt Ion: 62 Resp: 197579

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

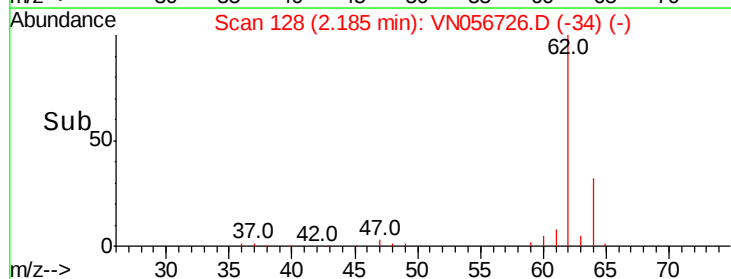
150000

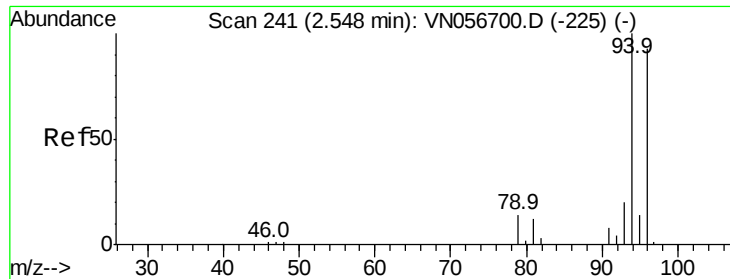
100000

50000

0

Time-->





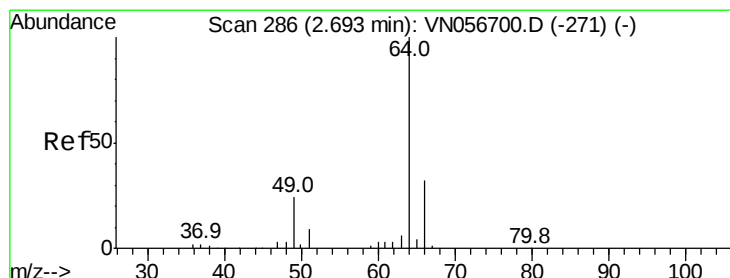
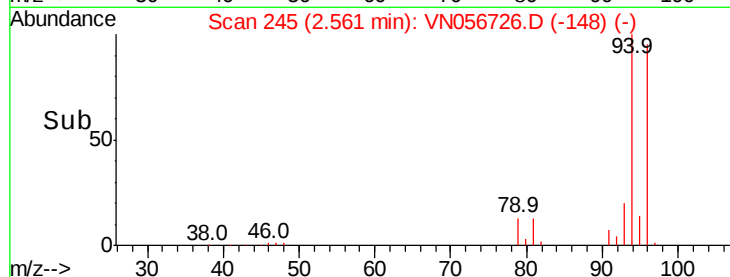
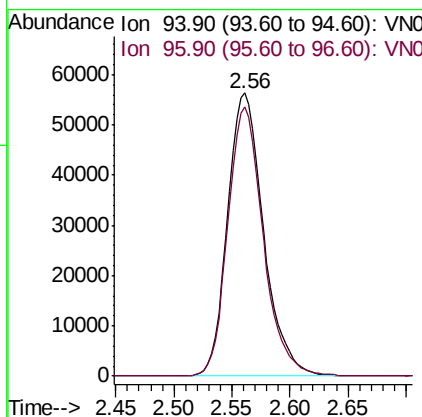
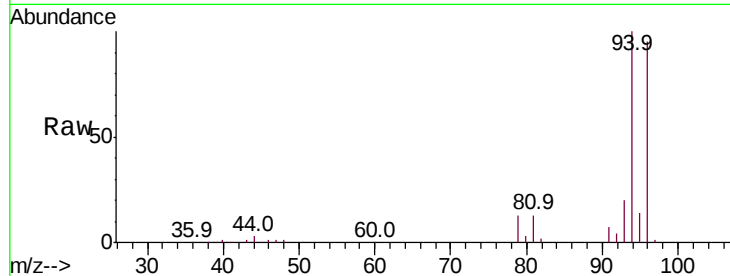
#5
Bromomethane
Concen: 49.806 ug/l
RT: 2.56 min Scan# 245
Delta R.T. 0.01 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 121163
Ion Ratio Lower Upper
94 100
96 95.2 74.0 111.0

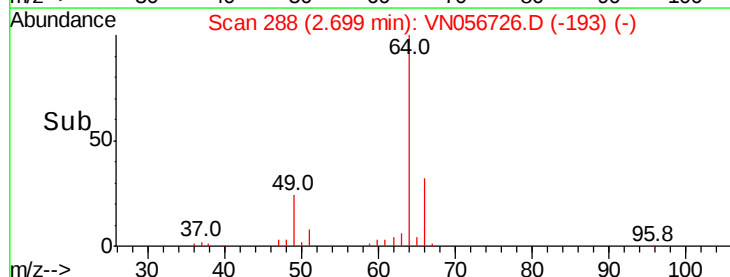
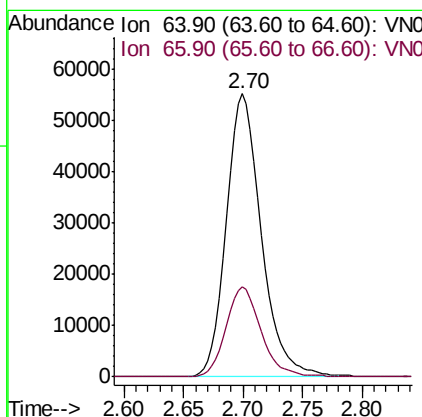
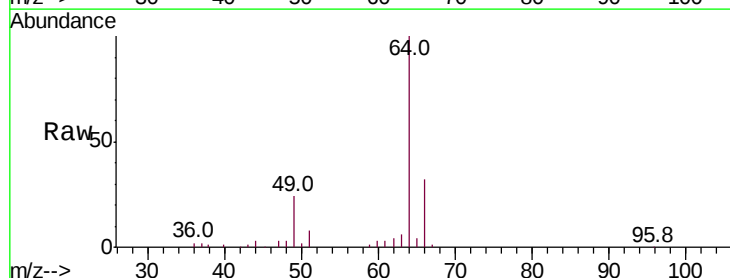
Manual Integrations
APPROVED

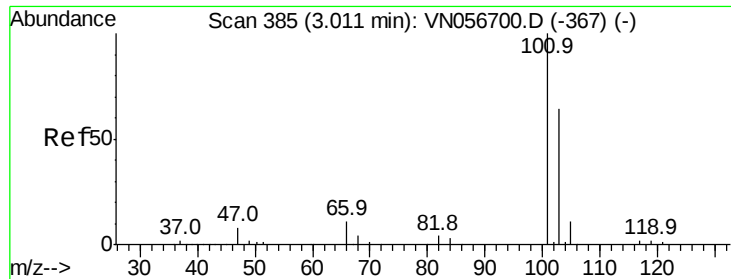
MMDadoda
7/17/2019 1:31:46 AM



#6
Chloroethane
Concen: 46.848 ug/l
RT: 2.70 min Scan# 288
Delta R.T. 0.01 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion: 64 Resp: 112931
Ion Ratio Lower Upper
64 100
66 32.0 25.8 38.8





#7

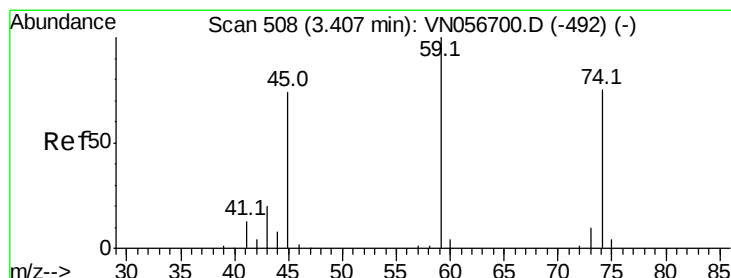
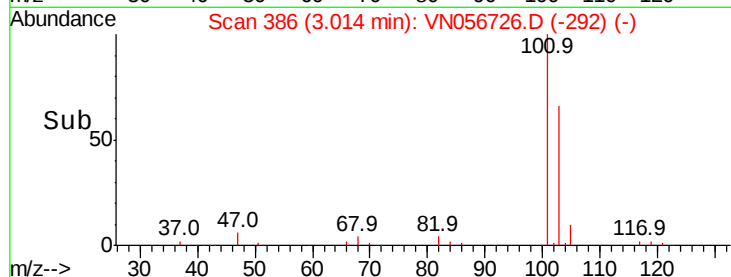
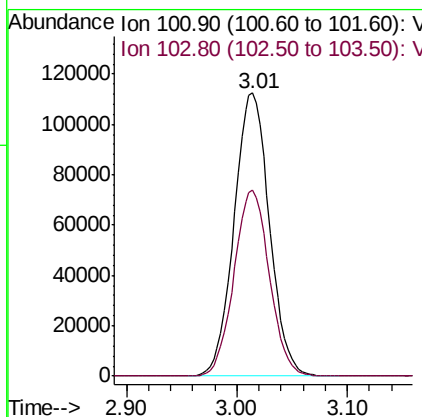
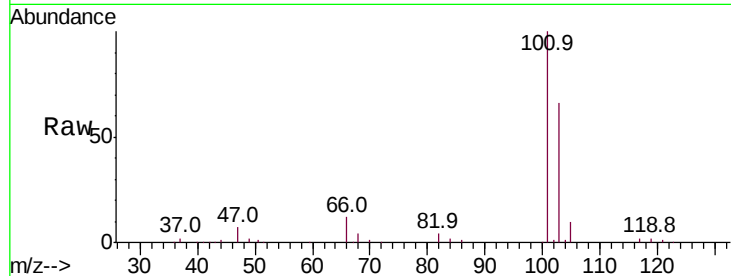
Trichlorofluoromethane
 Concen: 46.993 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.5	77.3

Manual Integrations
 APPROVED

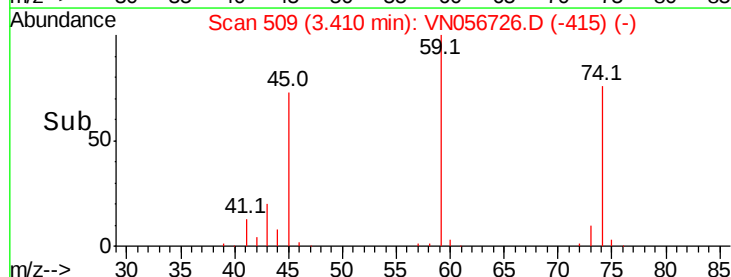
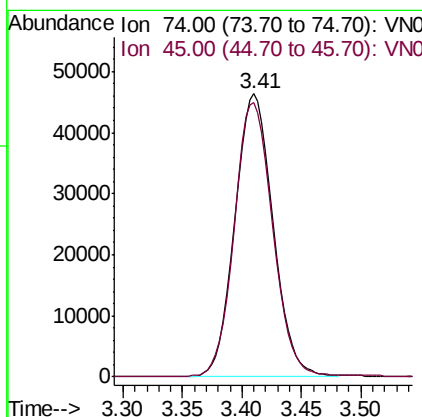
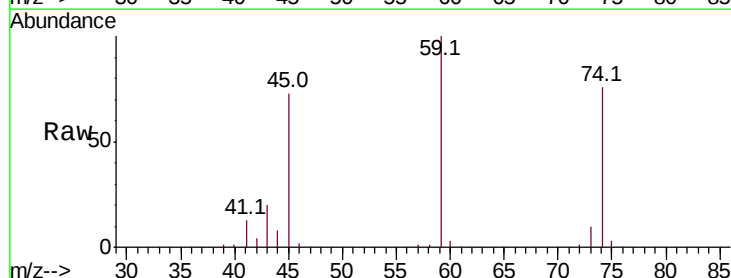
MMDadoda
 7/17/2019 1:31:46 AM

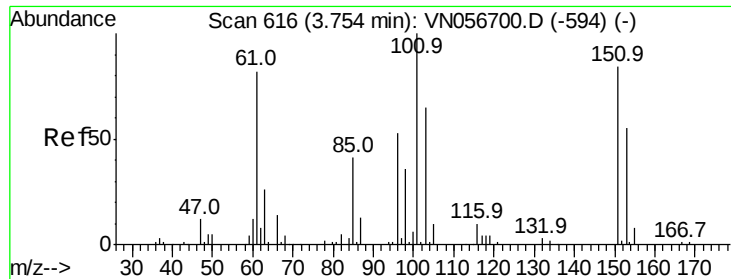


#8

Diethyl Ether
 Concen: 49.859 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	49.4	148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.038 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Instrument :

MSVOA_N

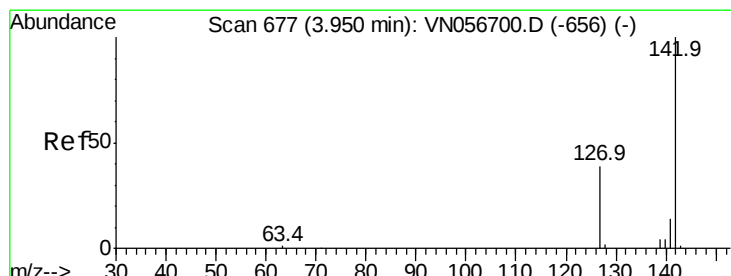
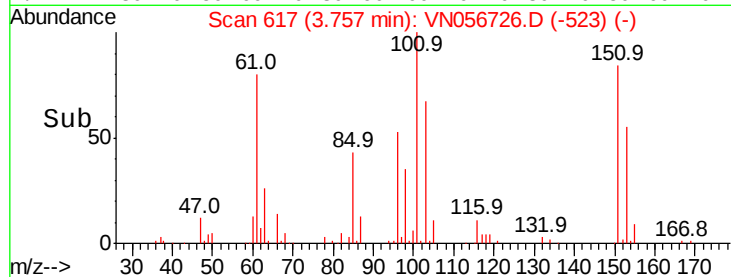
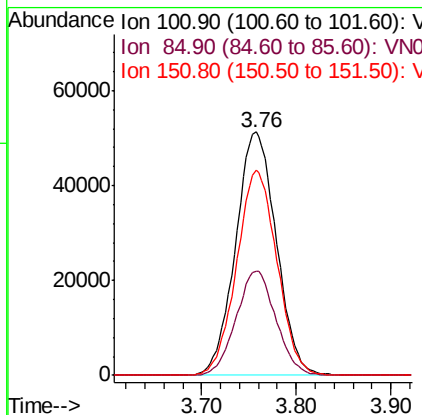
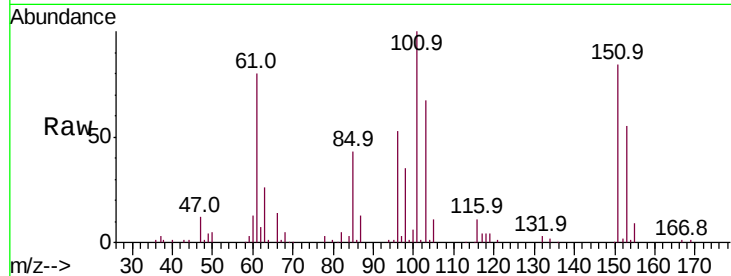
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	153198
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.3	49.9
151	83.4	67.0	100.6

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:46 AM



#10

Methyl Iodide

Concen: 47.356 ug/l

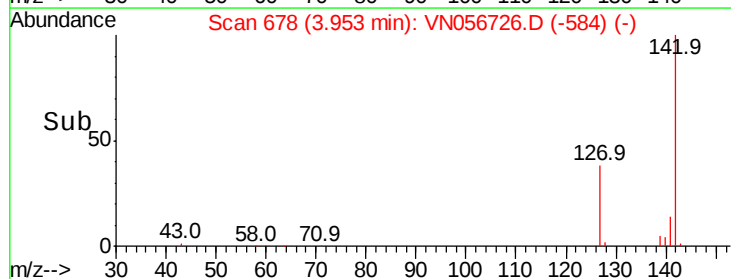
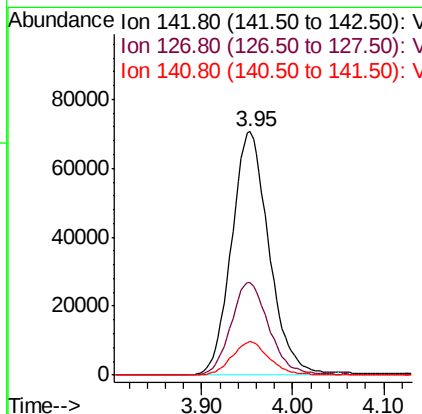
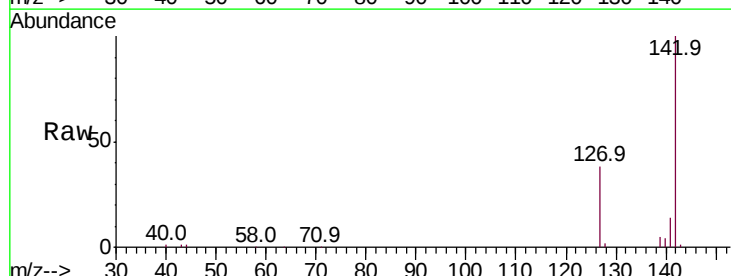
RT: 3.95 min Scan# 678

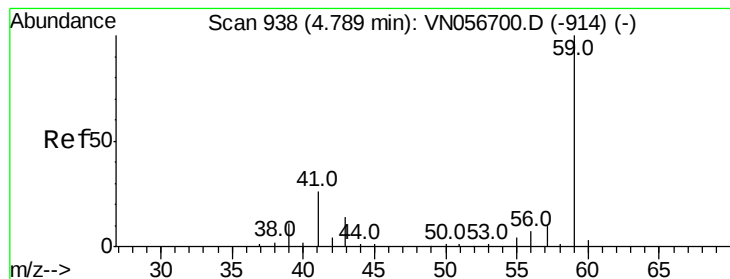
Delta R.T. 0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Tgt Ion:	142	Resp:	201999
Ion Ratio	Lower	Upper	
142	100		
127	38.6	30.7	46.1
141	13.6	11.3	16.9





#11

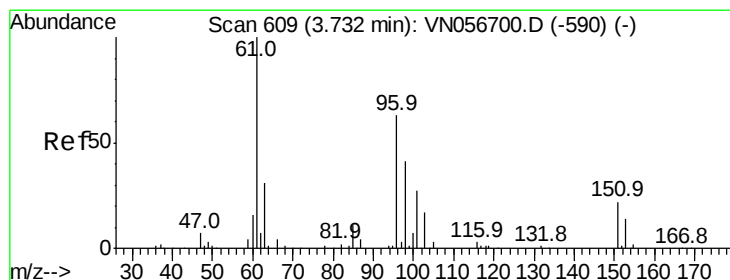
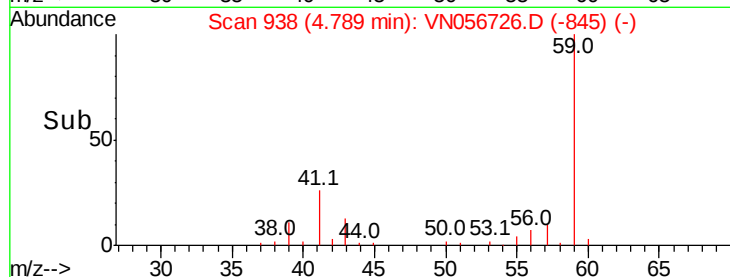
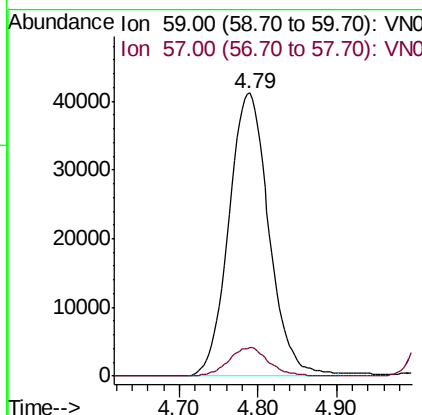
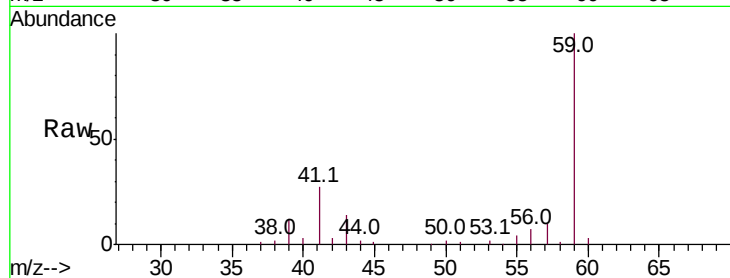
Tert butyl alcohol
 Concen: 233.742 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

Manual Integrations
 APPROVED

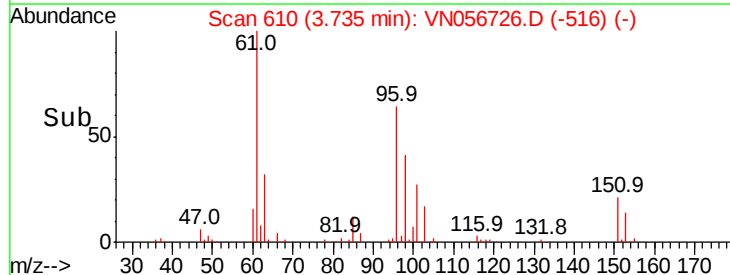
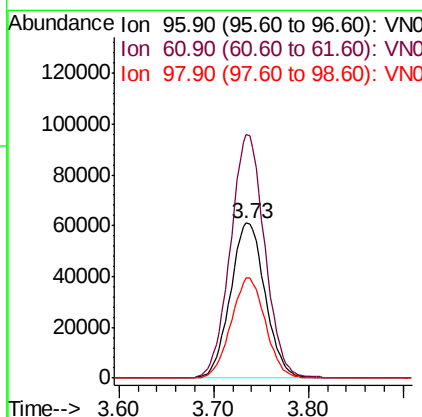
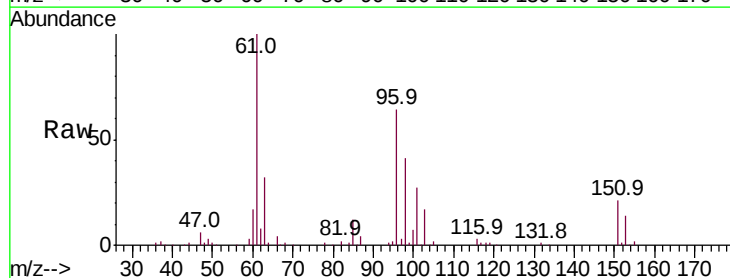
MMDadoda
 7/17/2019 1:31:46 AM

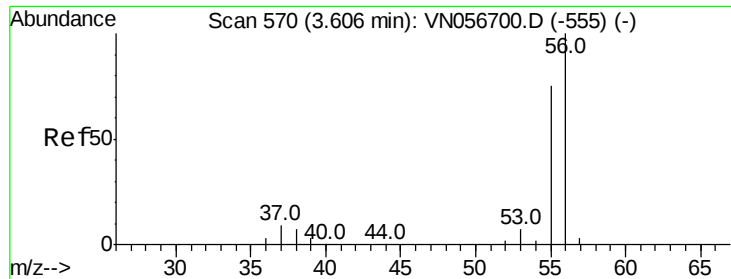


#12

1,1-Dichloroethene
 Concen: 48.856 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.8	126.6	189.8
98	64.7	51.4	77.2





#13

Acrolein

Concen: 251.779 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 53894

Ion Ratio Lower Upper

56 100

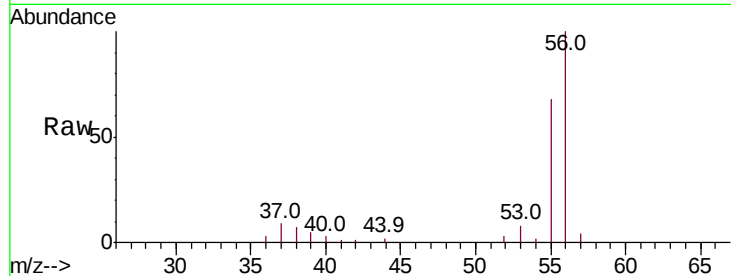
55 70.6 58.0 87.0

Manual Integrations

APPROVED

MMDadoda

7/17/2019 1:31:46 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

25000

20000

15000

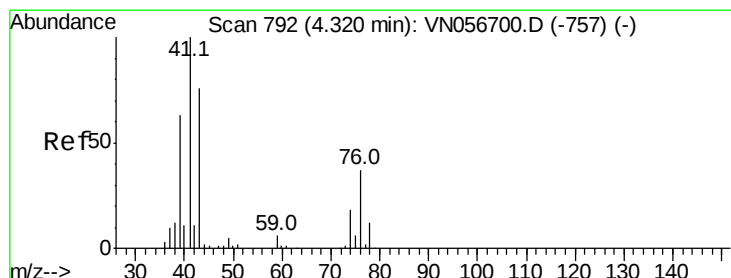
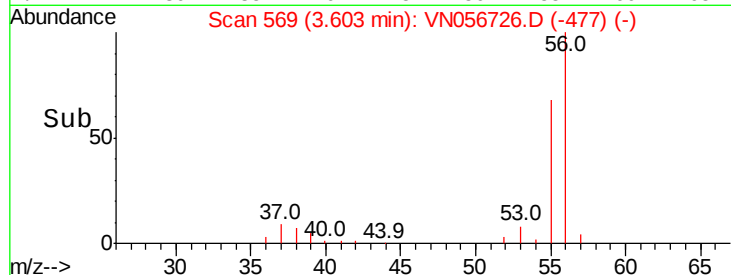
10000

5000

0

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 47.916 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

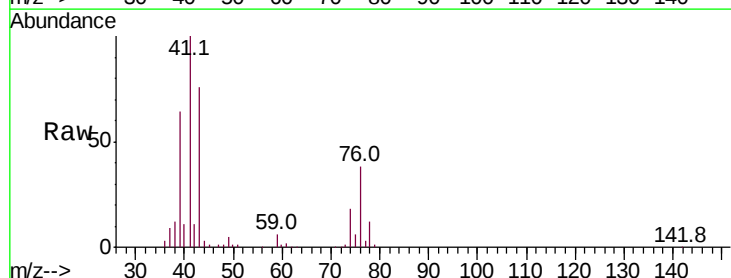
Tgt Ion: 41 Resp: 265070

Ion Ratio Lower Upper

41 100

39 59.5 46.9 70.3

76 33.8 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

100000

80000

60000

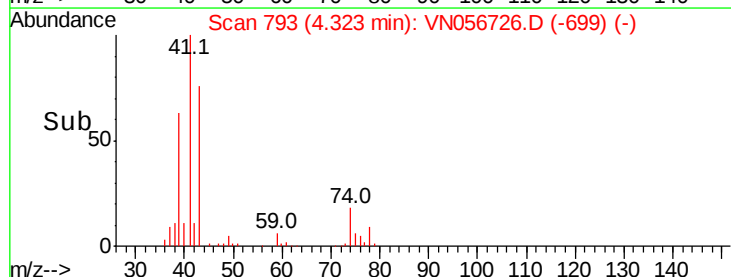
40000

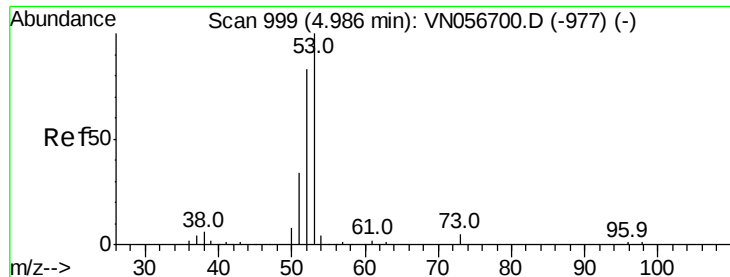
20000

0

4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 246.612 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Instrument :

MSVOA_N

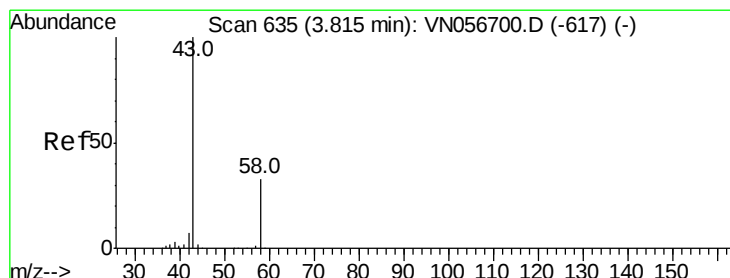
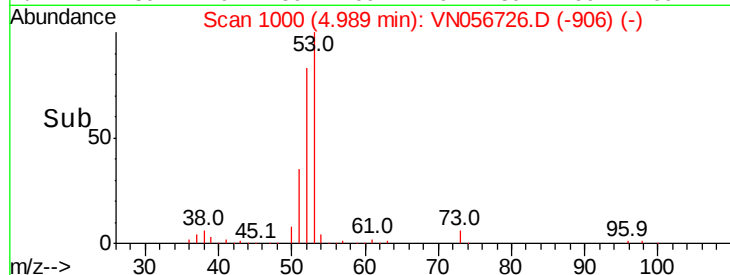
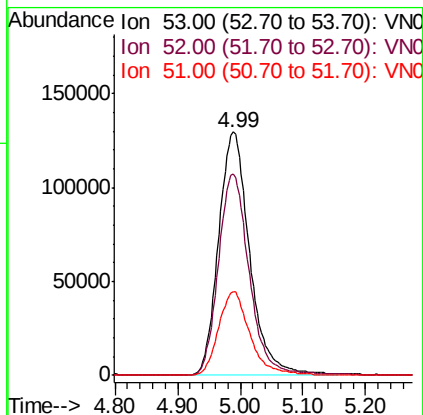
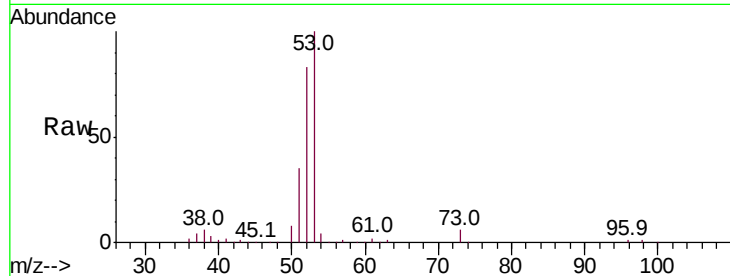
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	446188
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.6	99.8
51	34.6	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:46 AM



#16

Acetone

Concen: 199.805 ug/l

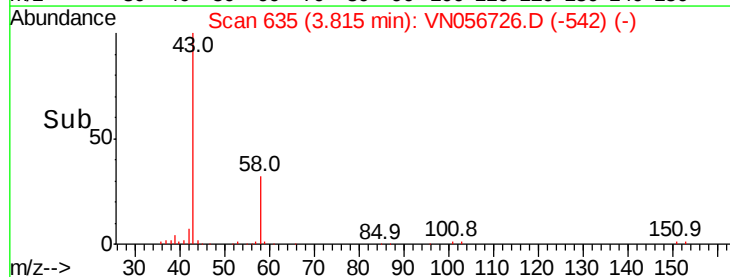
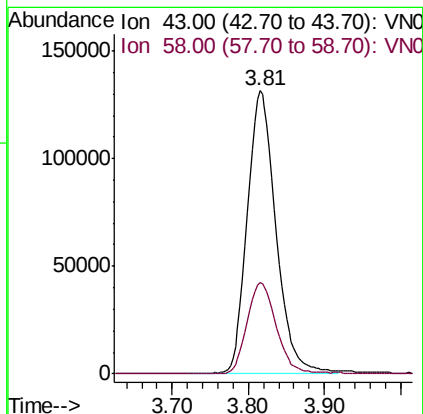
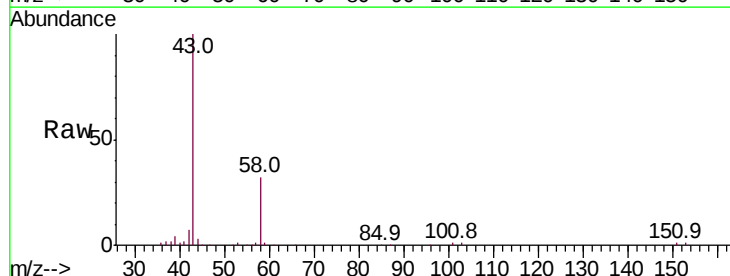
RT: 3.81 min Scan# 635

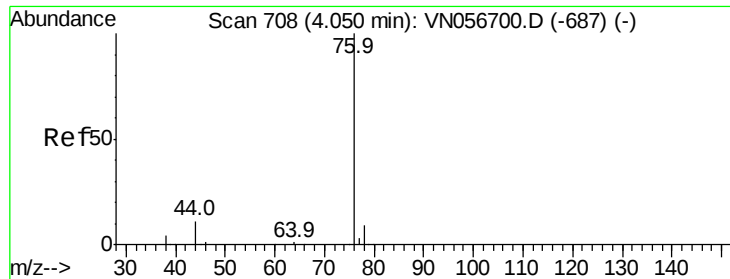
Delta R.T. -0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Tgt Ion:	43	Resp:	346567
Ion Ratio	Lower	Upper	
43	100		
58	32.1	26.7	40.1





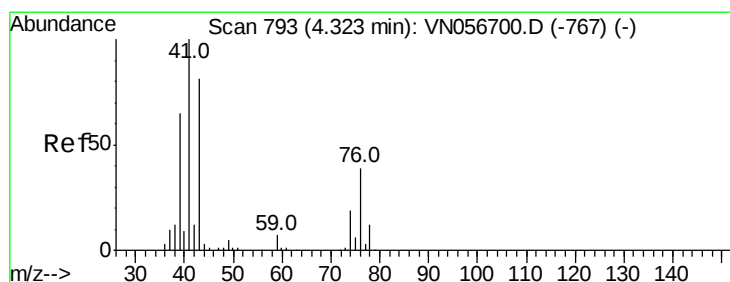
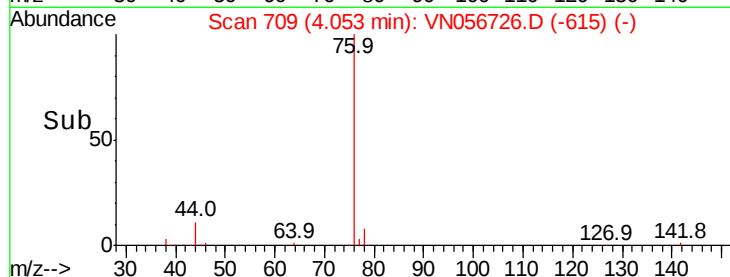
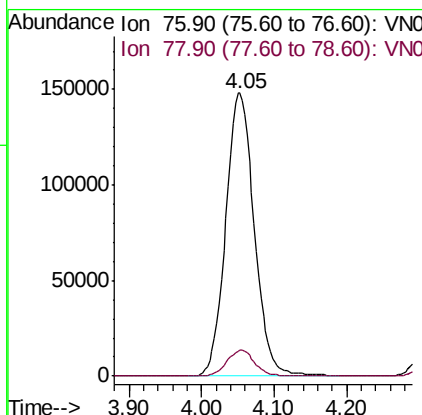
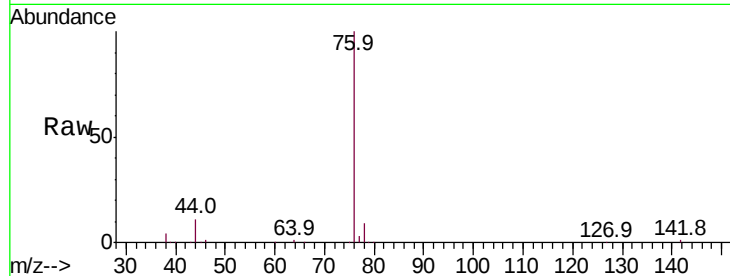
#17
Carbon Disulfide
Concen: 47.946 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

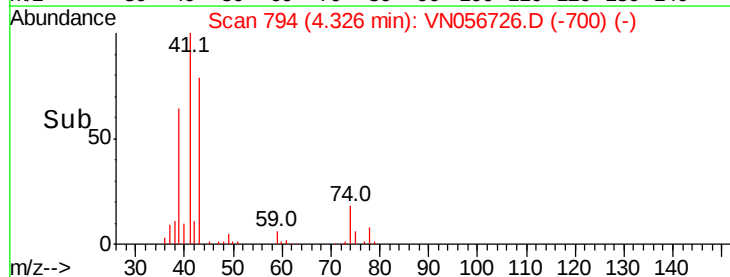
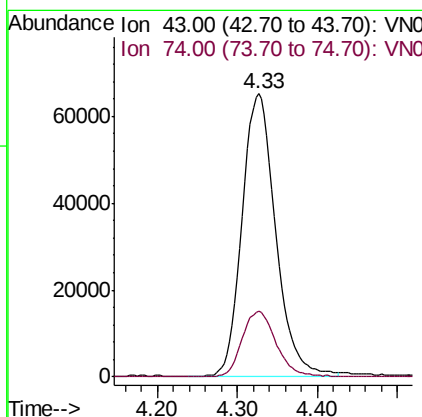
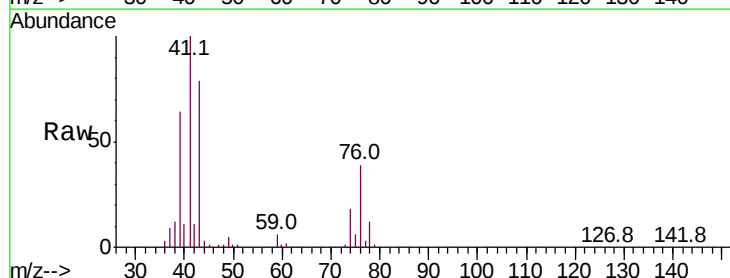
Manual Integrations
APPROVED

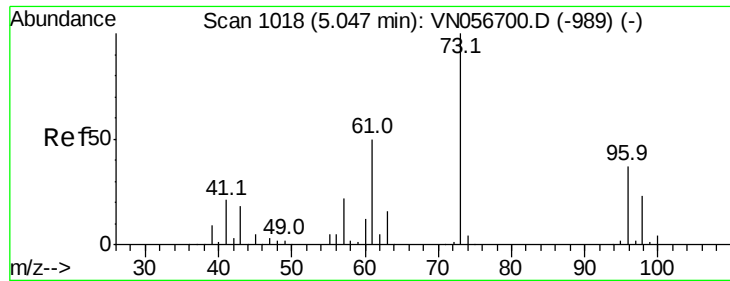
MMDadoda
7/17/2019 1:31:46 AM



#18
Methyl Acetate
Concen: 47.447 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.9	28.3





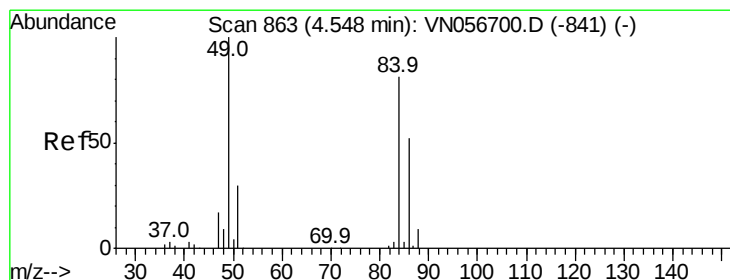
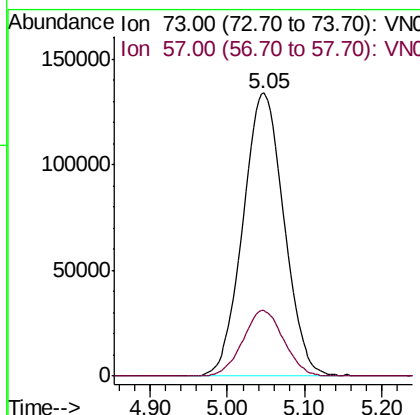
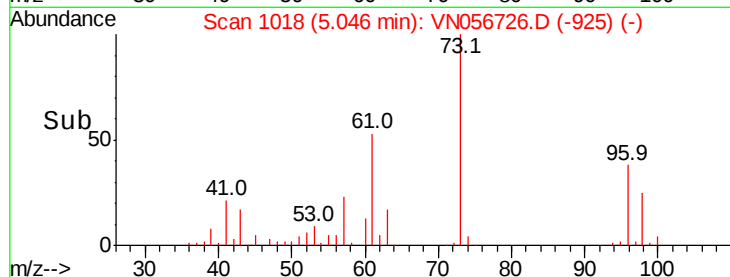
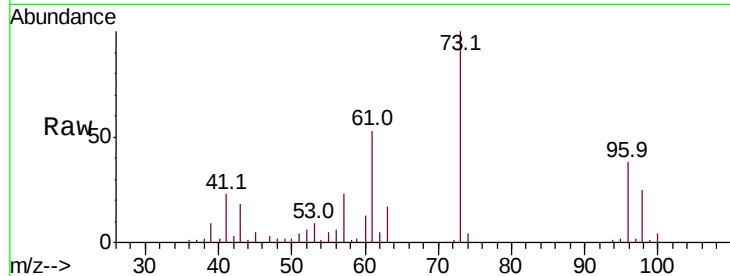
#19
Methvl tert-butvl Ether
Concen: 48.610 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 495439
Ion Ratio Lower Upper
73 100
57 23.3 17.9 26.9

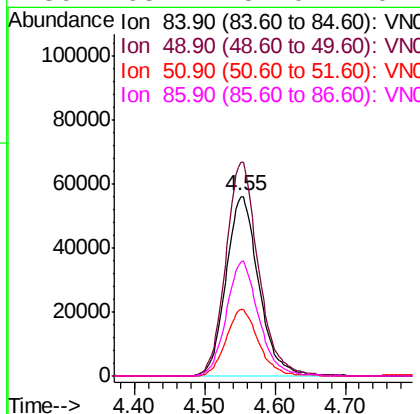
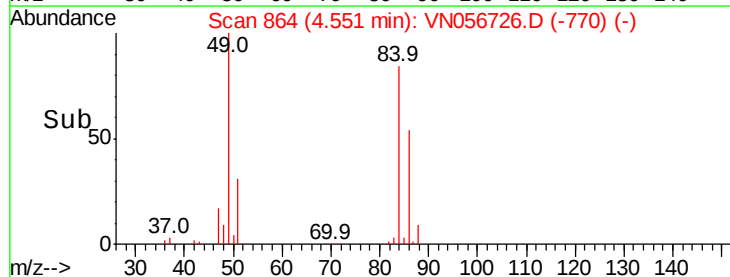
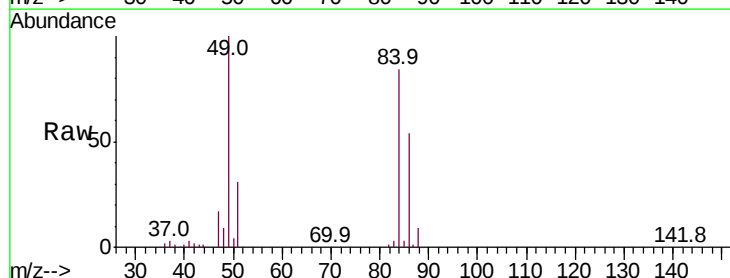
Manual Integrations
APPROVED

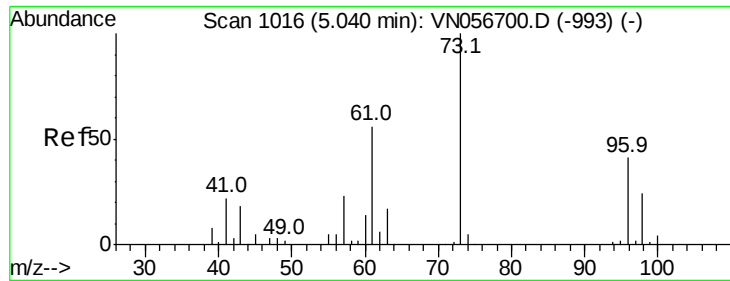
MMDadoda
7/17/2019 1:31:46 AM



#20
Methylene Chloride
Concen: 48.013 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion: 84 Resp: 181993
Ion Ratio Lower Upper
84 100
49 118.9 98.2 147.4
51 37.2 29.6 44.4
86 63.7 51.0 76.4





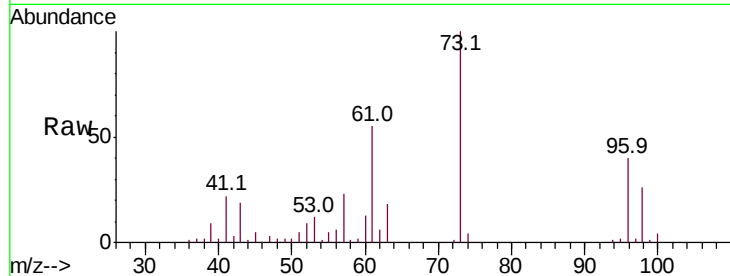
#21
trans-1,2-Dichloroethene
Concen: 49.484 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.5	109.4	164.2
98	64.7	48.0	72.0

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:46 AM

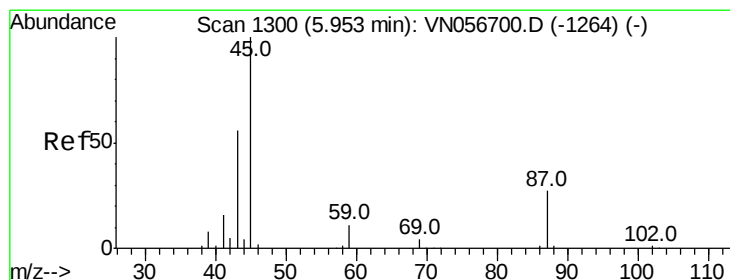
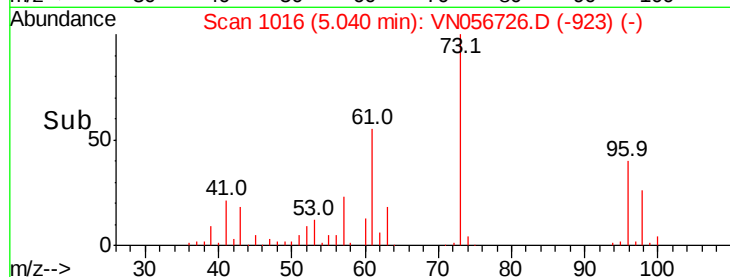
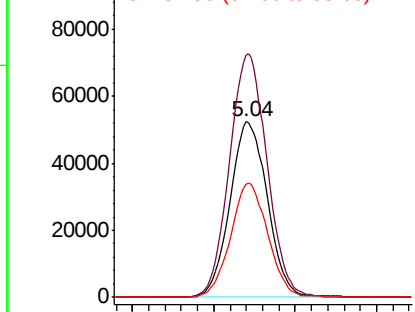


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 50.291 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.4	45.6	68.4
87	27.1	22.0	33.0
59	11.3	9.3	13.9

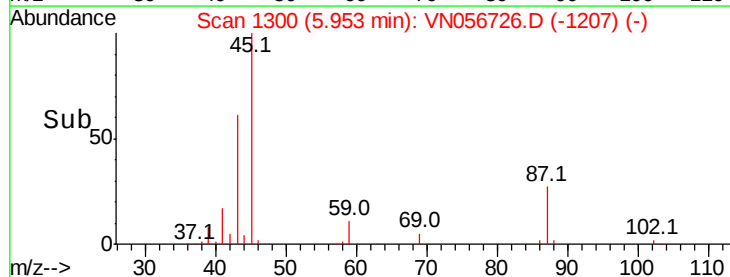
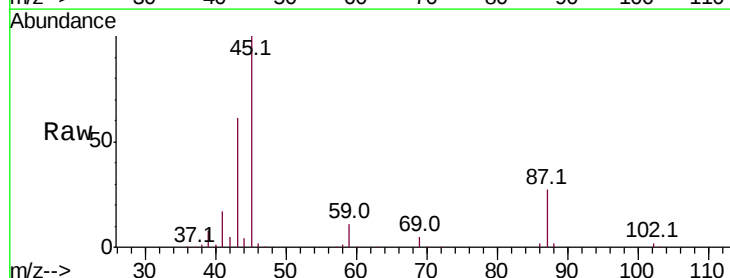
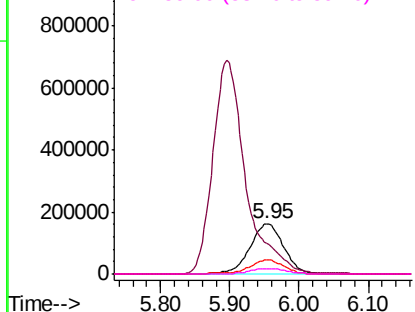
Abundance

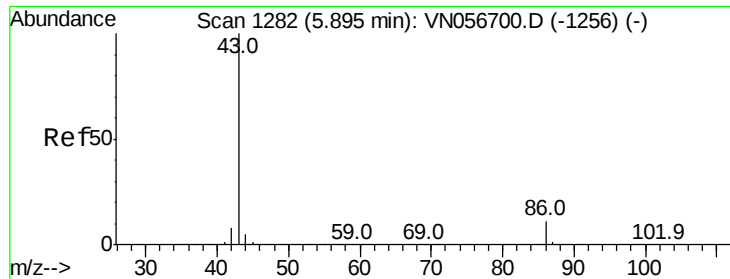
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 256.984 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2273905

Ion Ratio Lower Upper

43 100

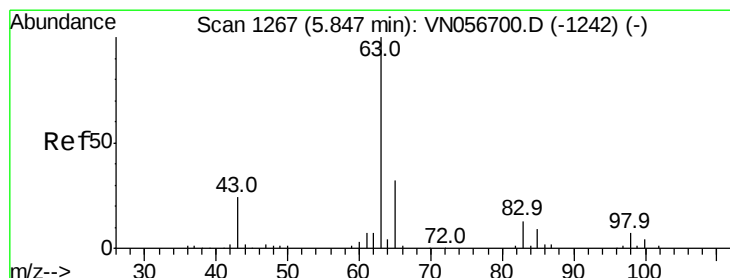
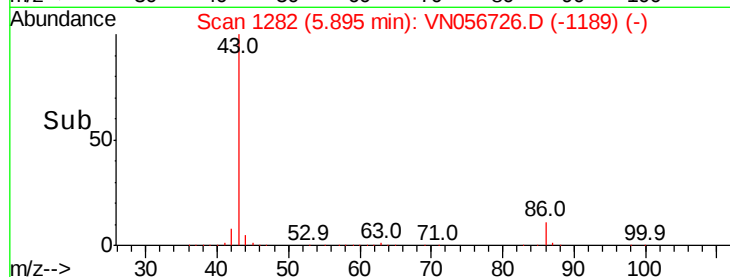
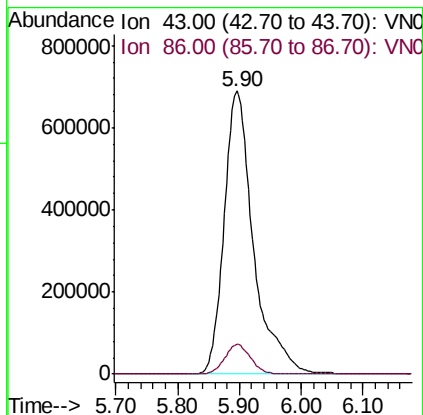
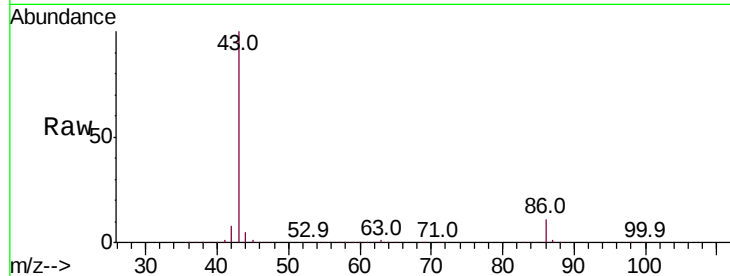
86 10.5 8.5 12.7

Manual Integrations

APPROVED

MMDadoda

7/17/2019 1:31:46 AM



#24

1,1-Dichloroethane

Concen: 48.819 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

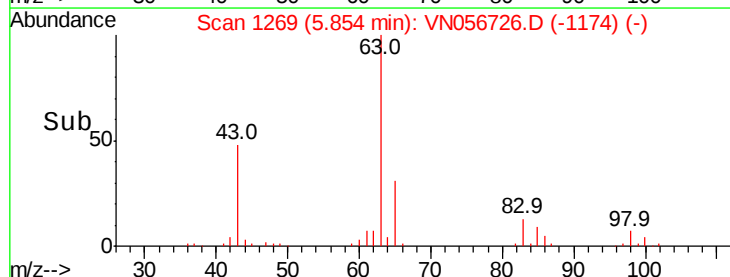
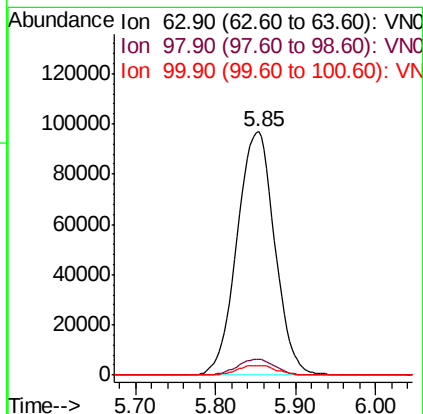
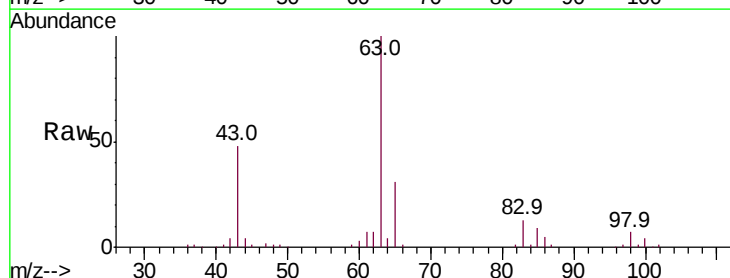
Tgt Ion: 63 Resp: 309063

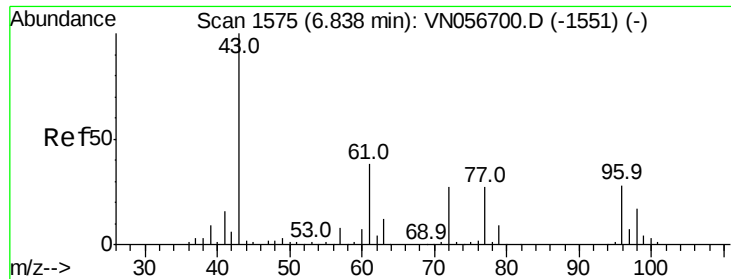
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 3.8 2.0 5.8





#25

2-Butanone

Concen: 229.436 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 581826

Ion Ratio Lower Upper

43 100

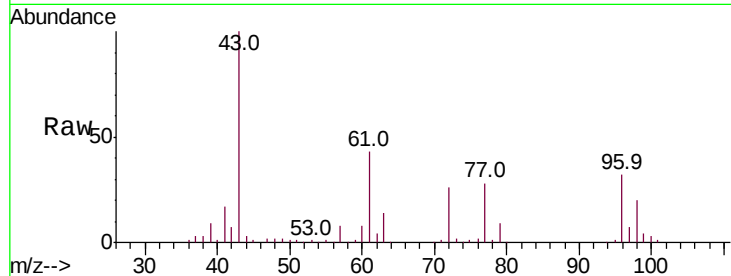
72 26.3 21.2 31.8

Manual Integrations

APPROVED

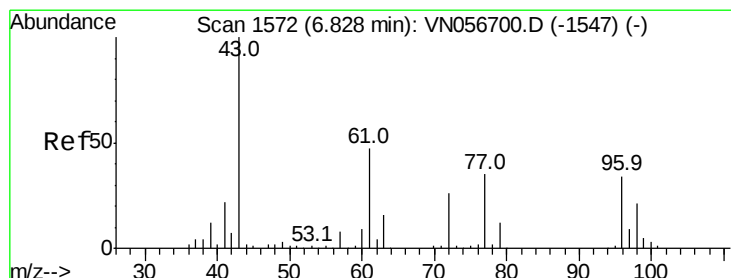
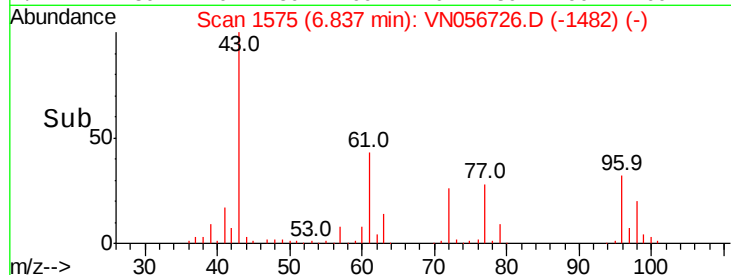
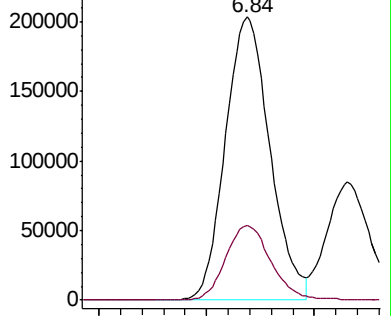
MMDadoda

7/17/2019 1:31:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 44.817 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN056726.D

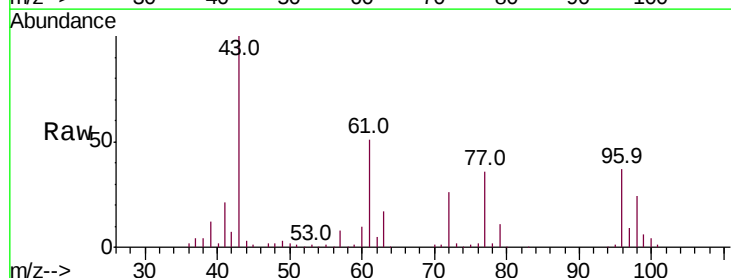
Acq: 15 Jul 2019 21:05

Tgt Ion: 77 Resp: 204577

Ion Ratio Lower Upper

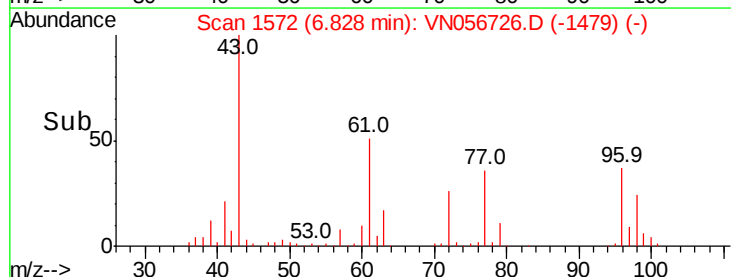
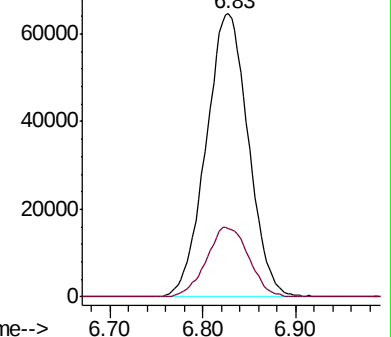
77 100

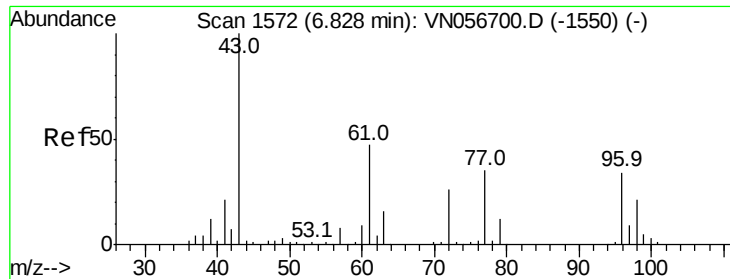
97 24.6 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.200 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056726.D

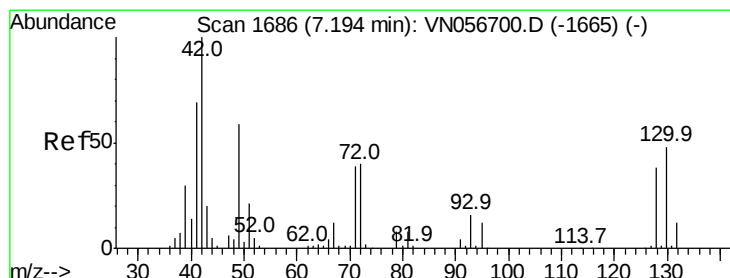
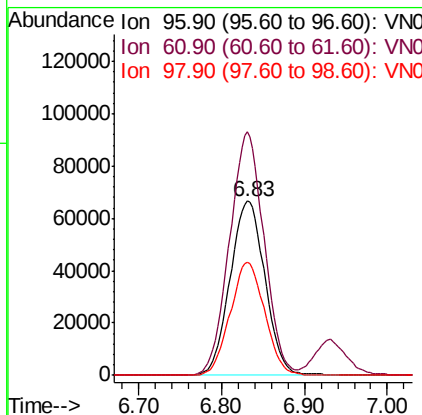
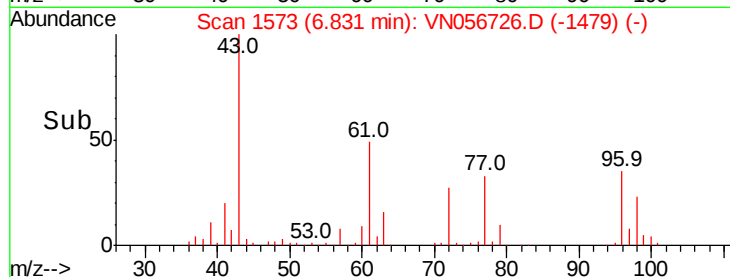
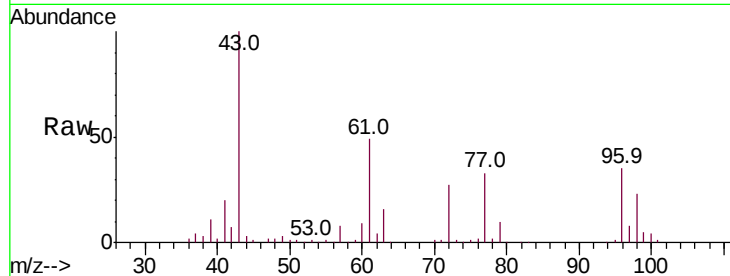
Acq: 15 Jul 2019 21:05

Tot Ion	96	Resp	195317
Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	281.4
98	64.1	0.0	127.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:46 AM



#28

Bromochloromethane

Concen: 49.826 ug/l

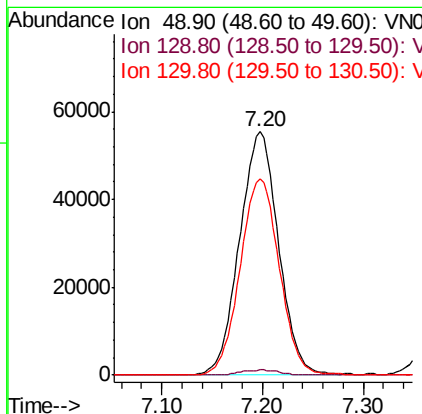
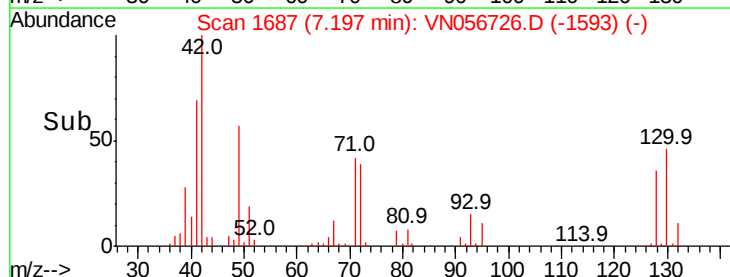
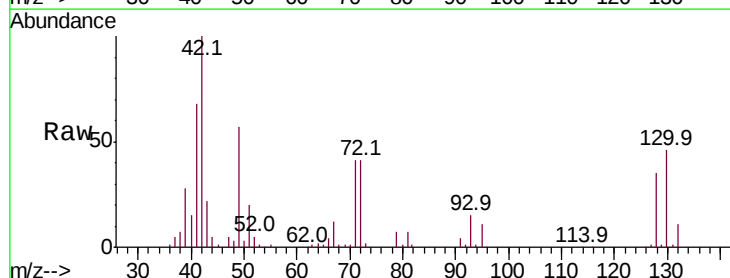
RT: 7.20 min Scan# 1687

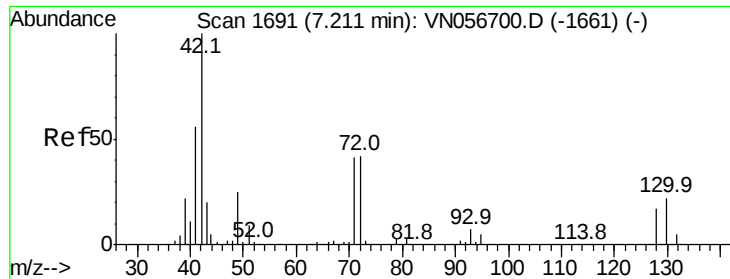
Delta R.T. 0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Tgt Ion	49	Resp	148312
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	81.4	64.7	97.1





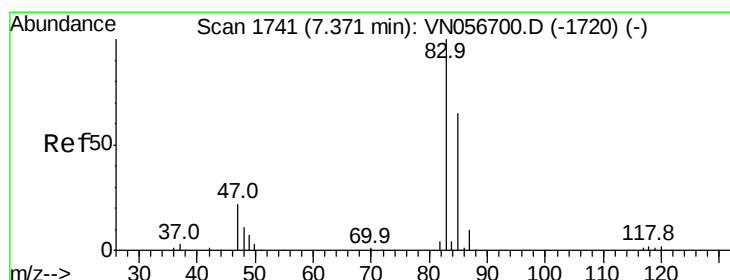
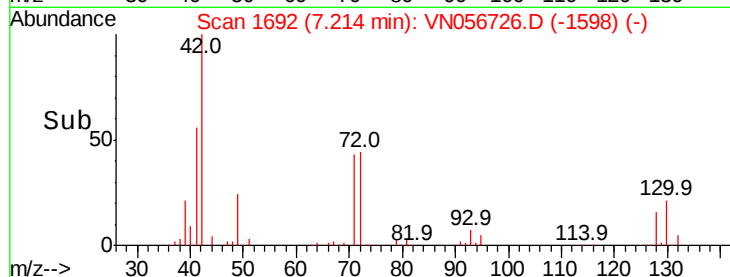
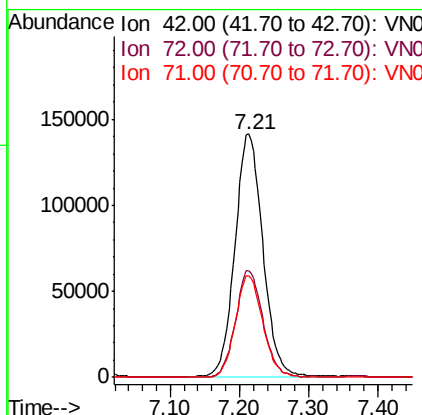
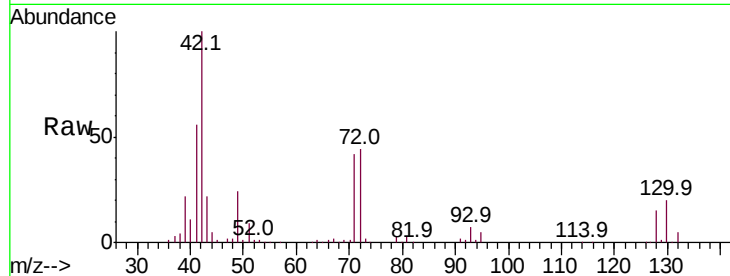
#29
Tetrahydrofuran
Concen: 242.454 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.5	50.3
71	40.7	31.8	47.8

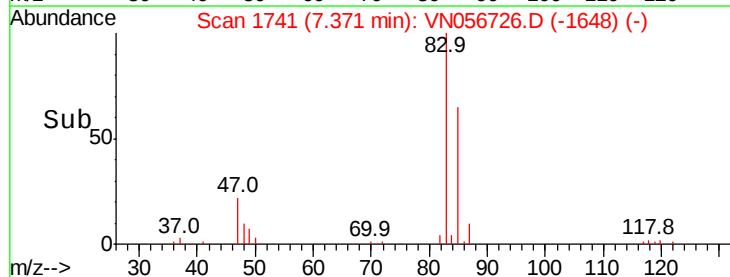
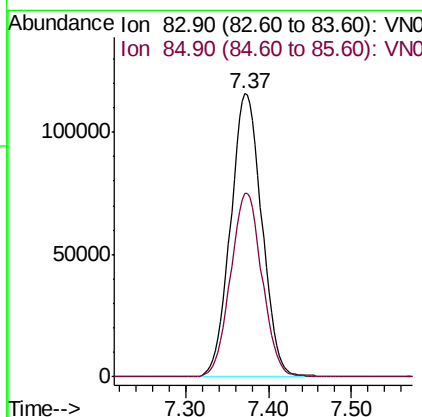
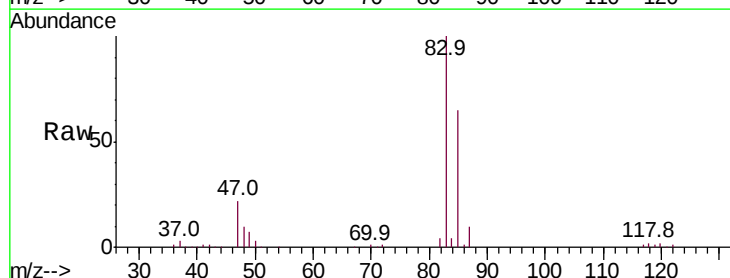
Manual Integrations
APPROVED

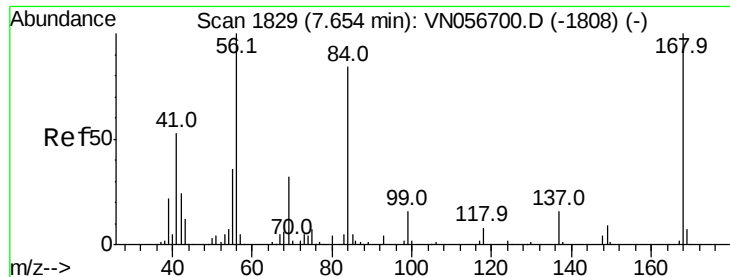
MMDadoda
7/17/2019 1:31:46 AM



#30
Chloroform
Concen: 48.021 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.9	77.9





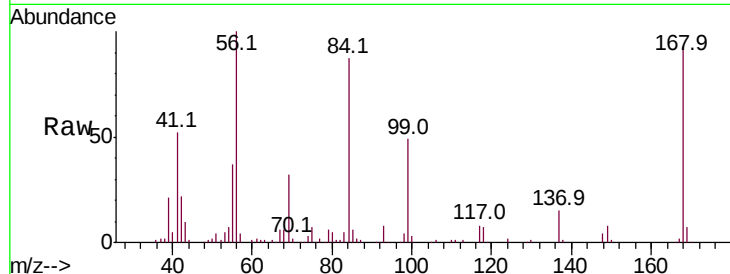
#31
Cyclohexane
Concen: 48.312 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

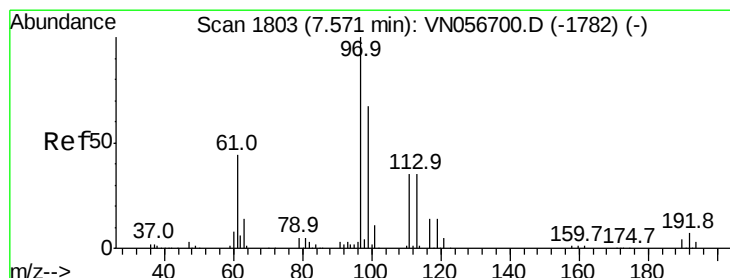
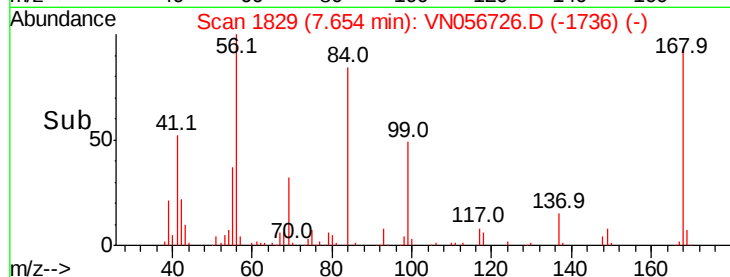
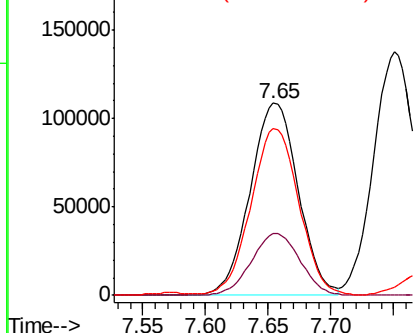
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.8	38.8
84	86.1	67.4	101.0

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:46 AM

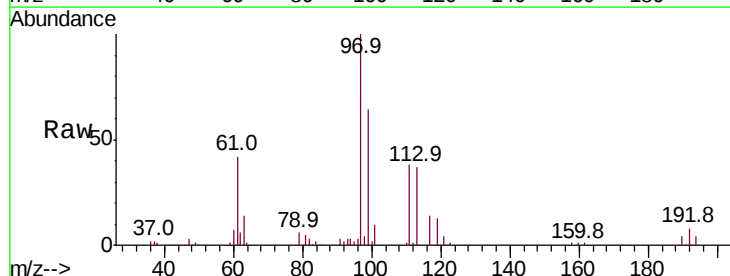


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

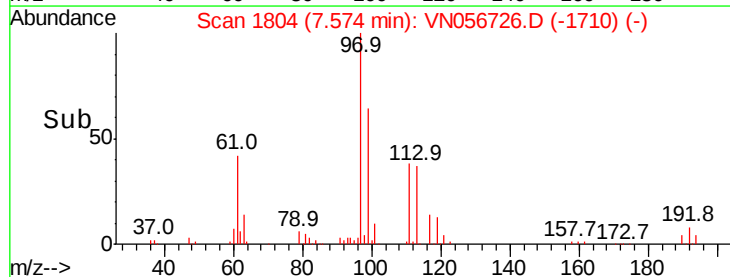
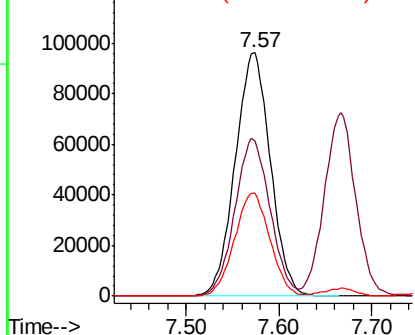


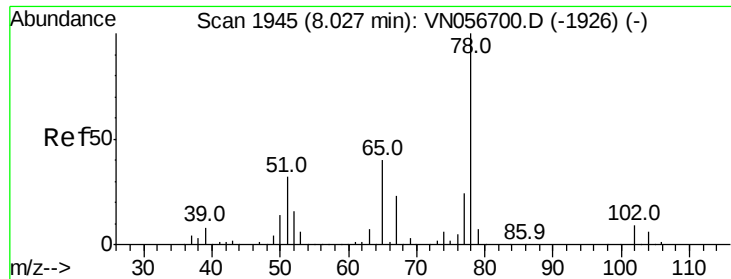
#32
1,1,1-Trichloroethane
Concen: 50.637 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	42.6	34.3	51.5



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





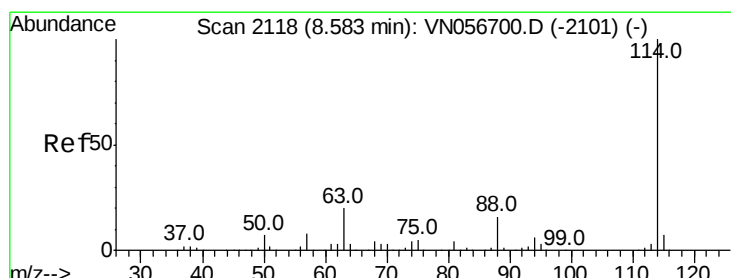
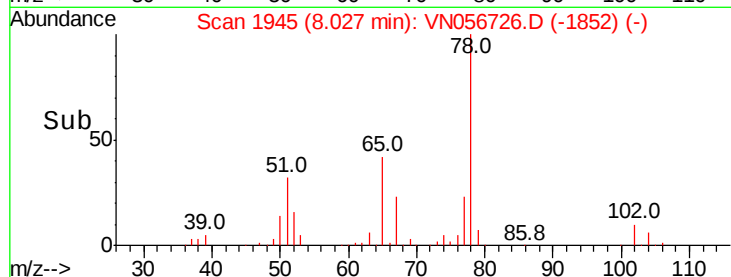
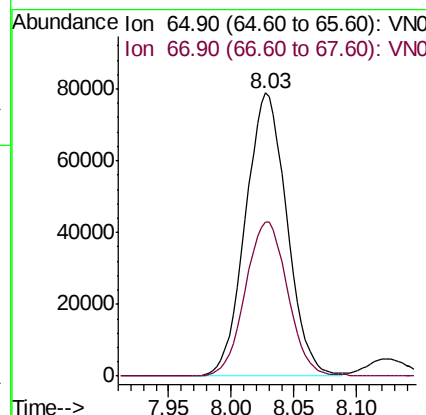
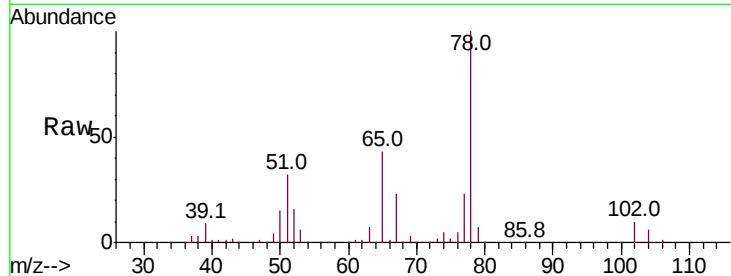
#33
 1,2-Dichloroethane-d4
 Concen: 48.183 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	181360		
67	55.7	0.0	109.0	

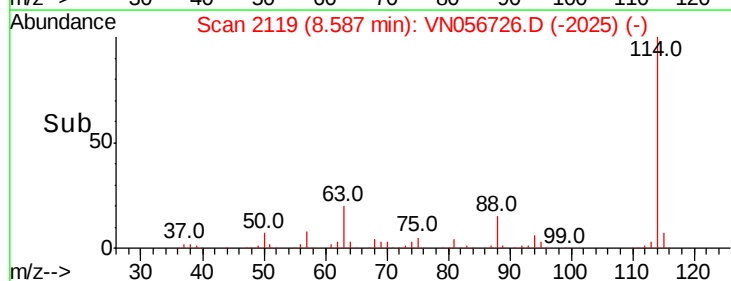
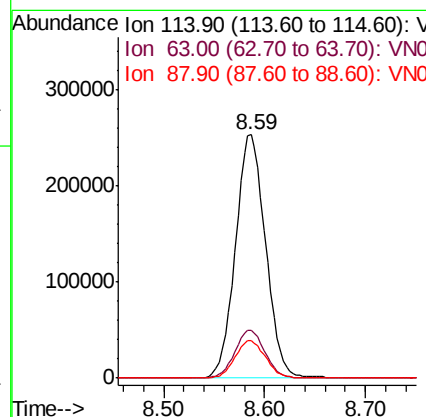
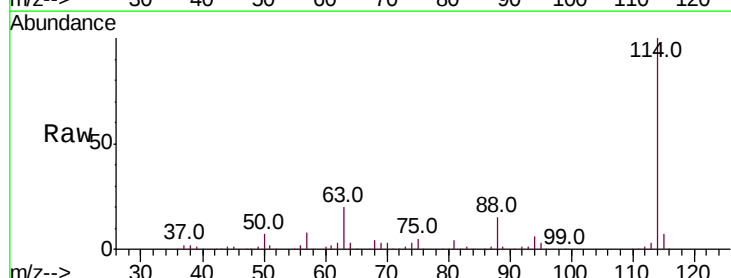
Manual Integrations
 APPROVED

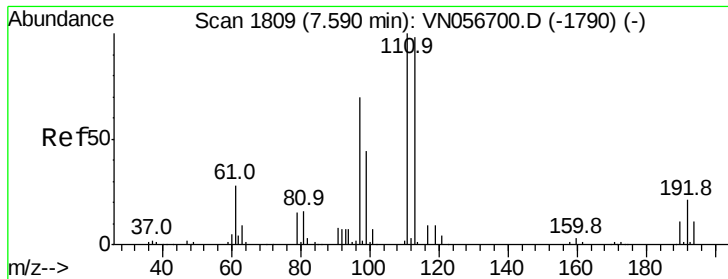
MMDadoda
 7/17/2019 1:31:46 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	525601		
63	19.6	0.0	39.4	
88	15.3	0.0	31.2	





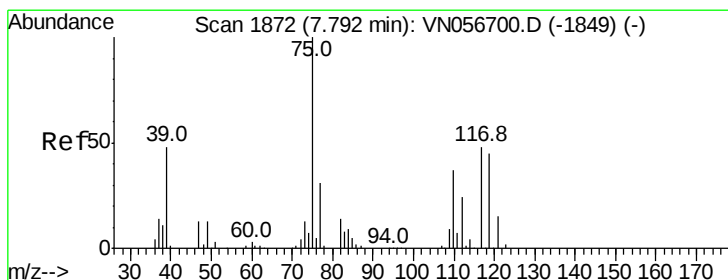
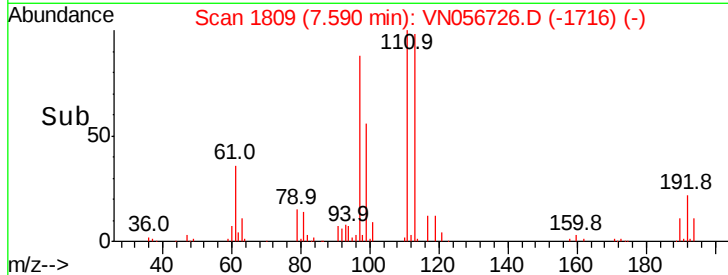
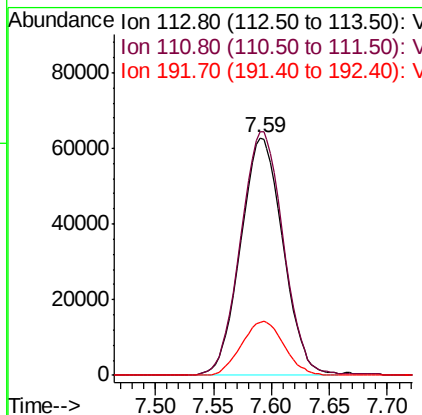
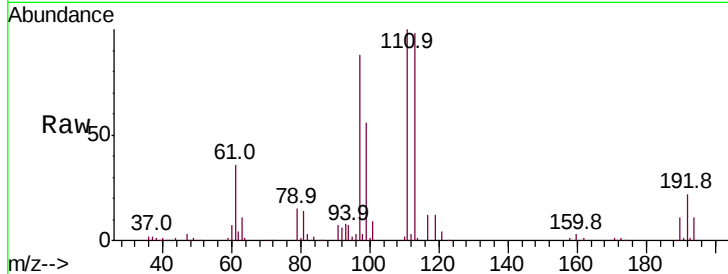
#35
 Dibromofluoromethane
 Concen: 48.744 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.8	122.6
192	22.9	17.5	26.3

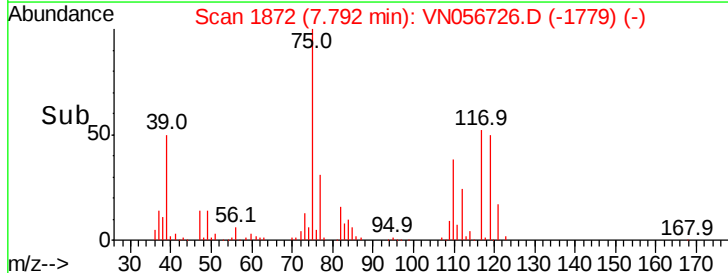
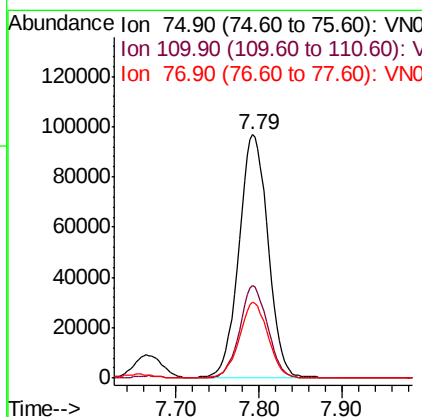
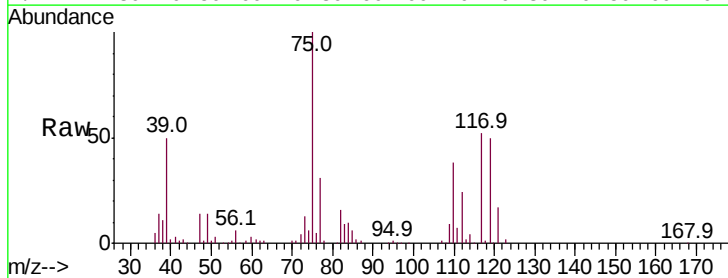
Manual Integrations
 APPROVED

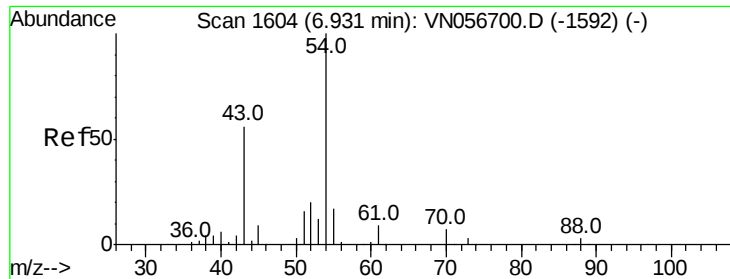
MMDadoda
 7/17/2019 1:31:46 AM



#36
 1,1-Dichloropropene
 Concen: 48.388 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.4	55.4
77	30.8	24.6	36.8





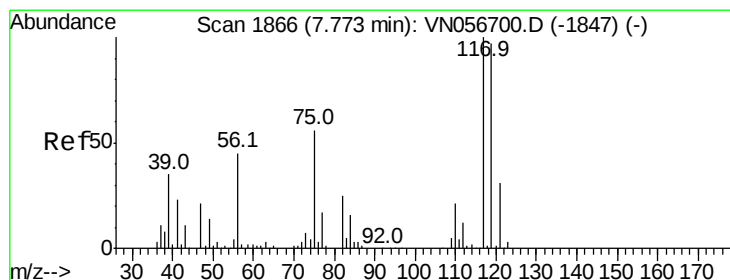
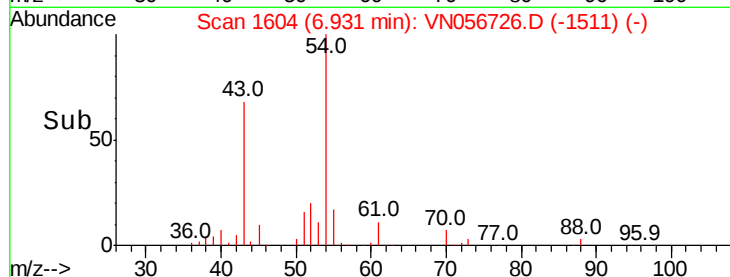
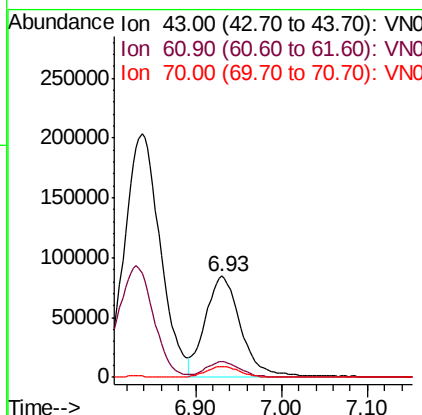
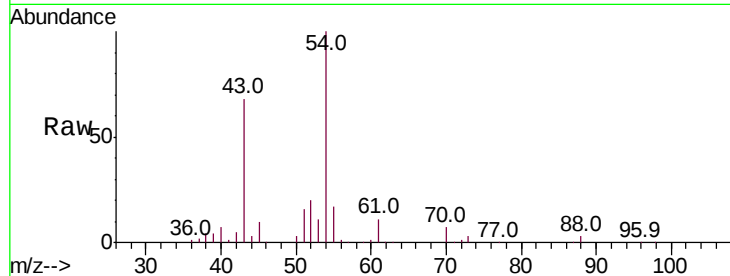
#37
Ethyl Acetate
Concen: 50.021 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	239784
Ion Ratio	100	Lower	Upper
43	100		
61	15.6	11.3	16.9
70	10.6	8.5	12.7

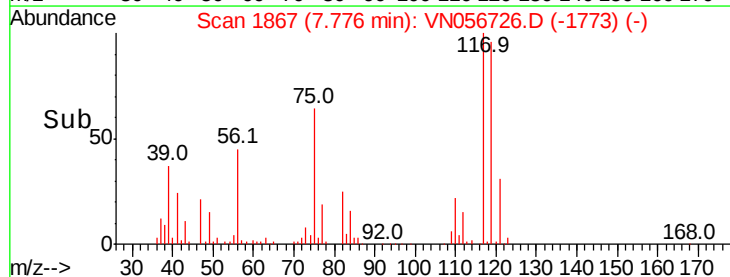
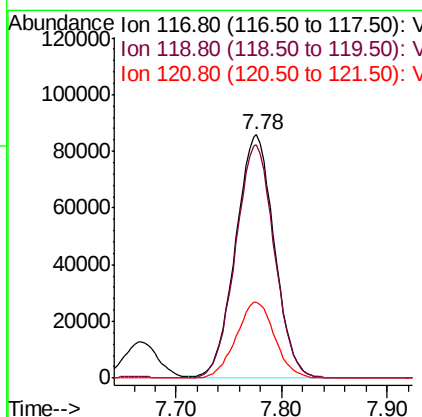
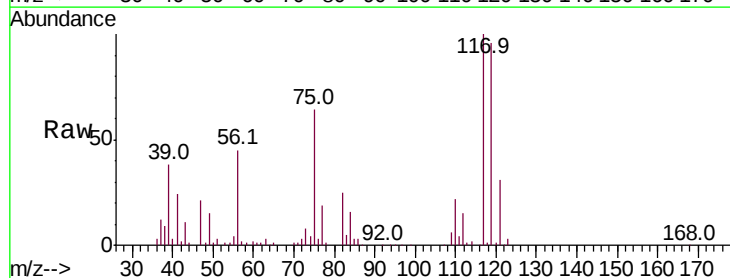
Manual Integrations
APPROVED

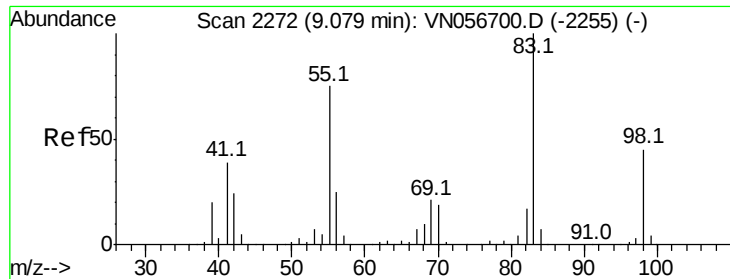
MMDadoda
7/17/2019 1:31:46 AM



#38
Carbon Tetrachloride
Concen: 47.773 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion	117	Resp	217904
Ion Ratio	100	Lower	Upper
117	100		
119	96.1	77.5	116.3
121	31.3	24.7	37.1





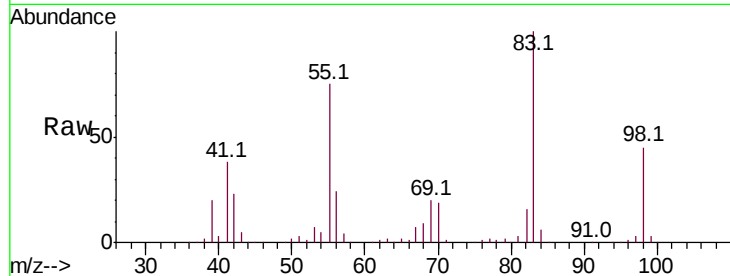
#39
Methvlcvclohexane
Concen: 48.464 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

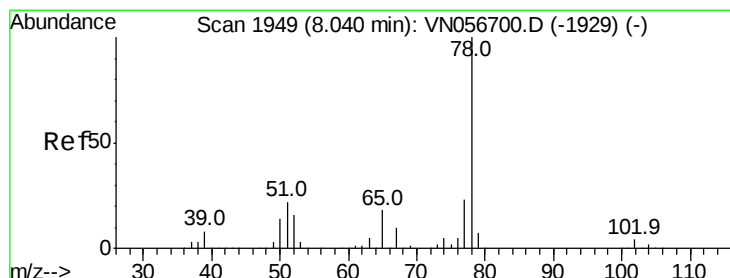
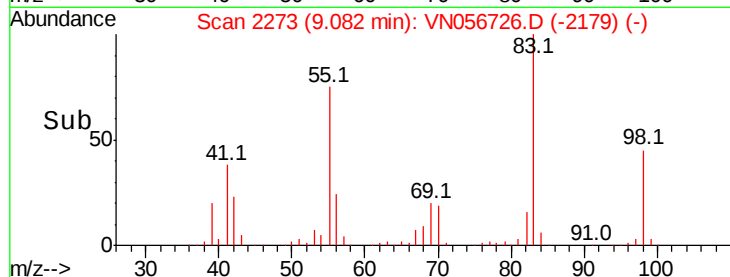
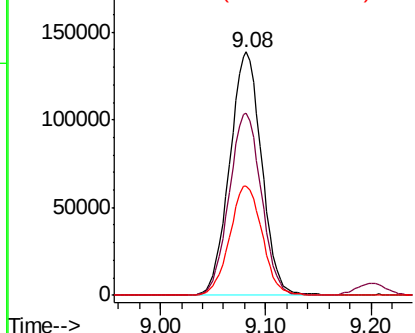
Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	60.4	90.6
98	44.9	35.8	53.8

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:46 AM

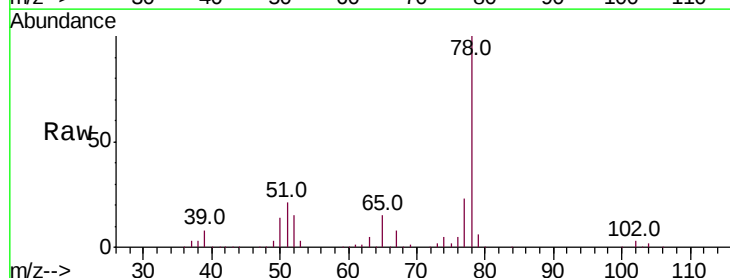


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

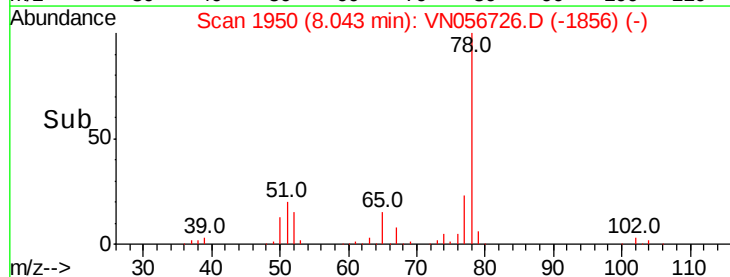
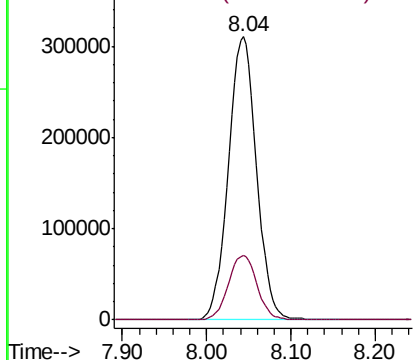


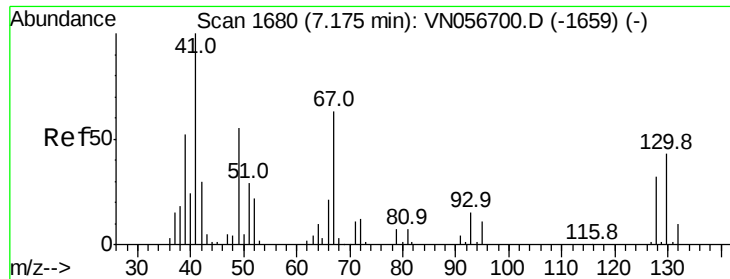
#40
Benzene
Concen: 48.288 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.6	27.8



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





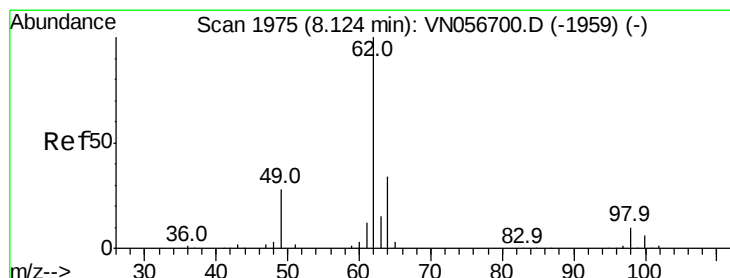
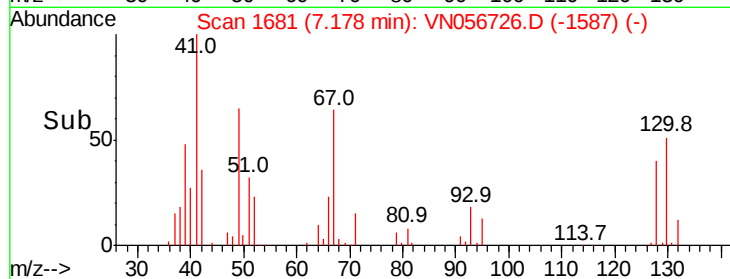
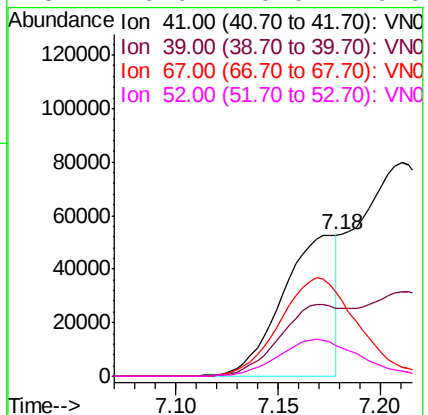
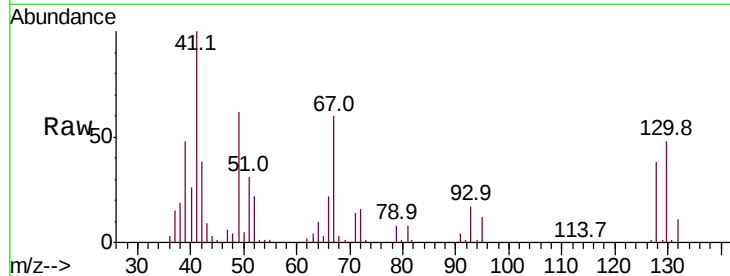
#41
Methacrylonitrile
Concen: 46.108 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	97088
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

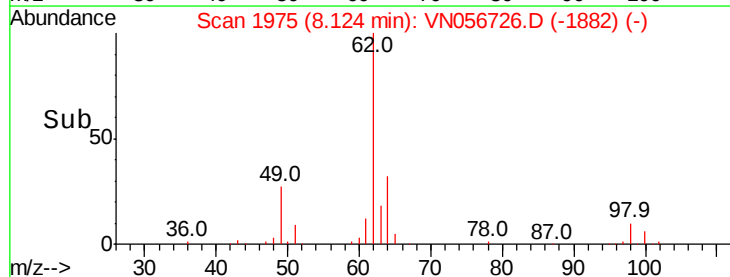
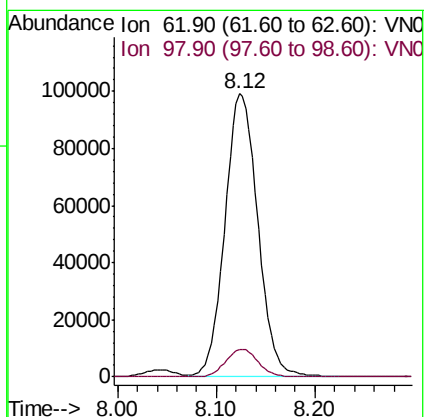
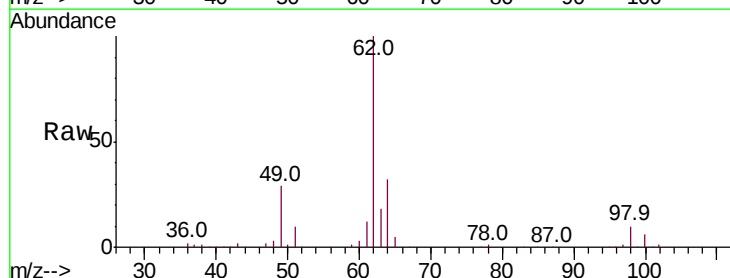
Manual Integrations
APPROVED

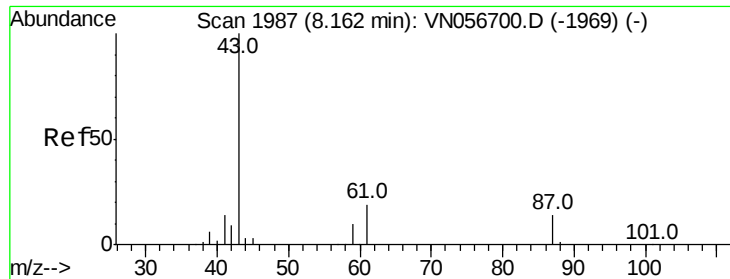
MMDadoda
7/17/2019 1:31:46 AM



#42
1,2-Dichloroethane
Concen: 48.850 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion	62	Resp	230079
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.8





#43

Isopropyl Acetate

Concen: 49.418 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Instrument :

MSVOA_N

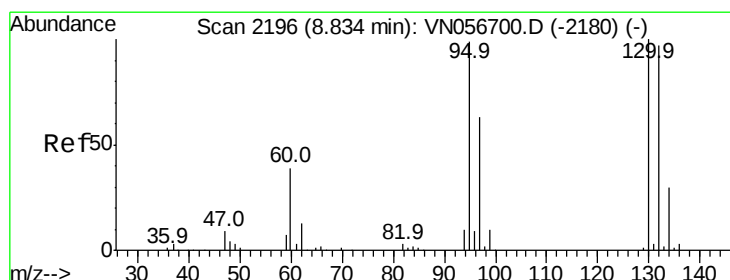
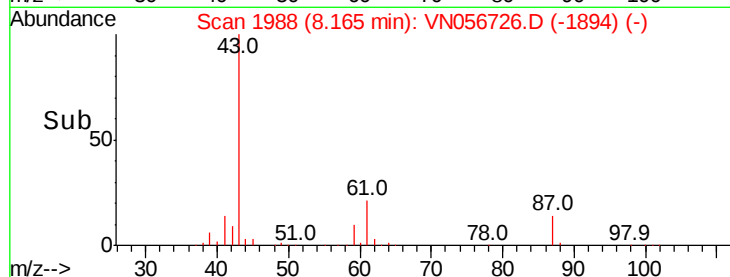
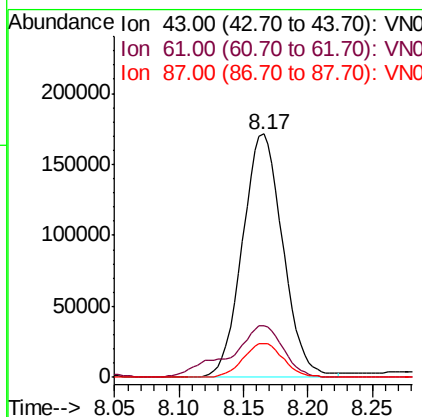
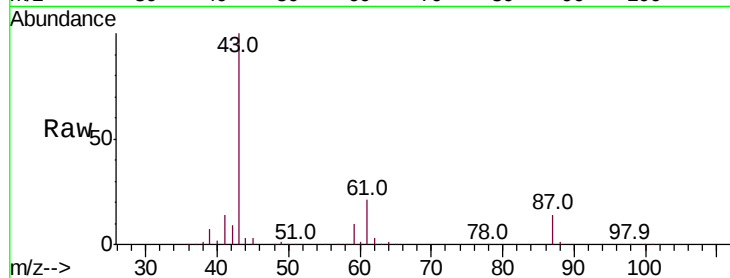
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	372413
Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.3	33.5
87	14.0	11.1	16.7

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:46 AM



#44

Trichloroethene

Concen: 48.060 ug/l

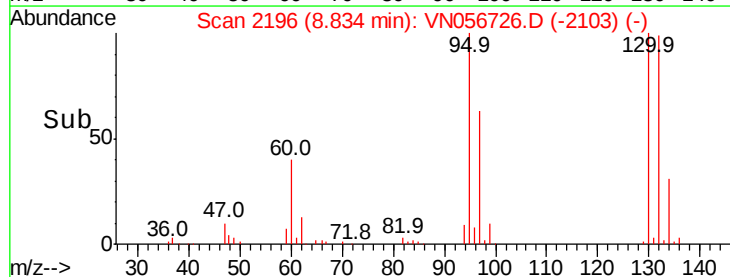
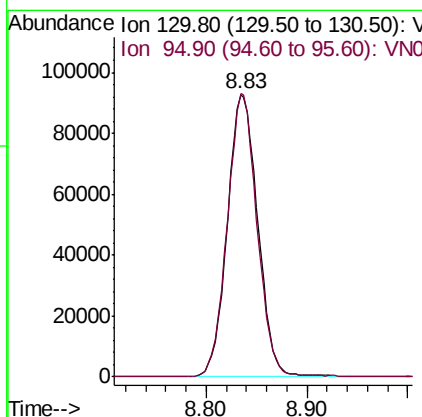
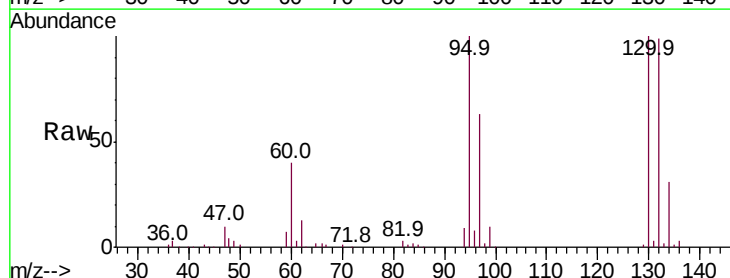
RT: 8.83 min Scan# 2196

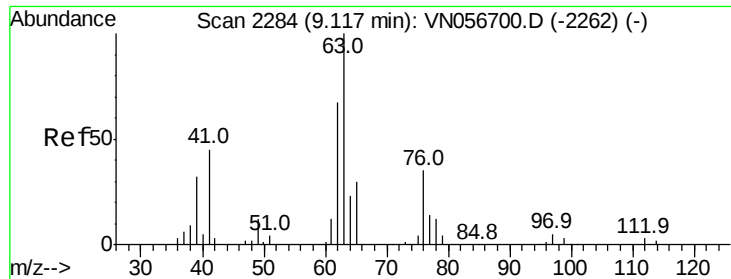
Delta R.T. -0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Tgt Ion:	130	Resp:	194495
Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	197.2





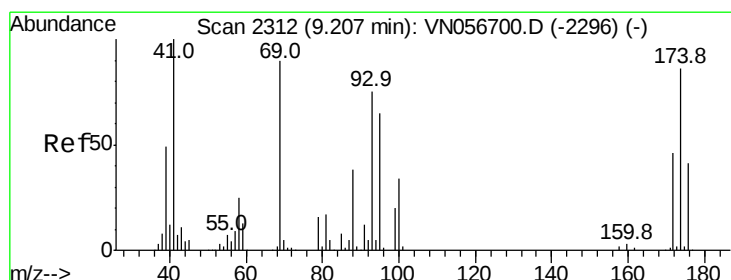
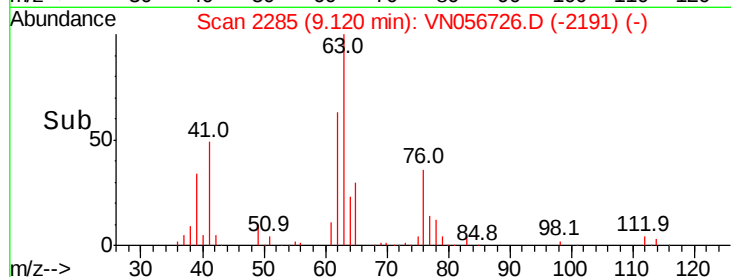
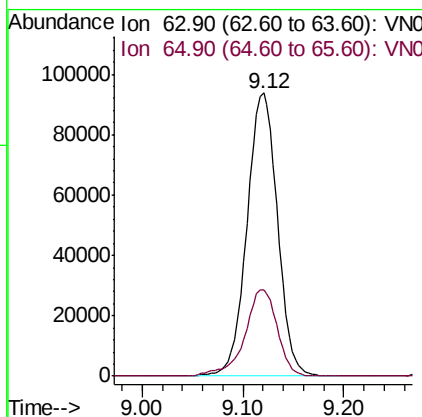
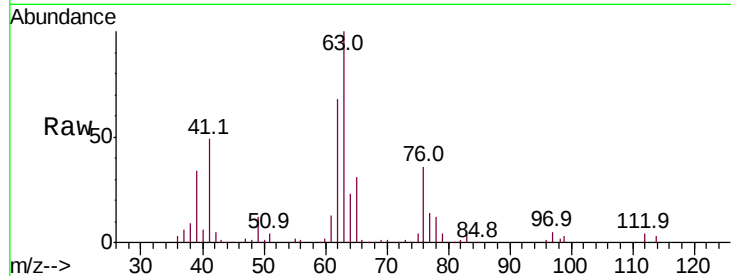
#45
 1,2-Dichloropropane
 Concen: 49.437 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 195763
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.0 36.0

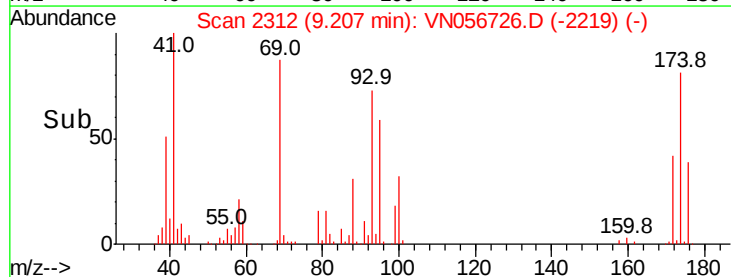
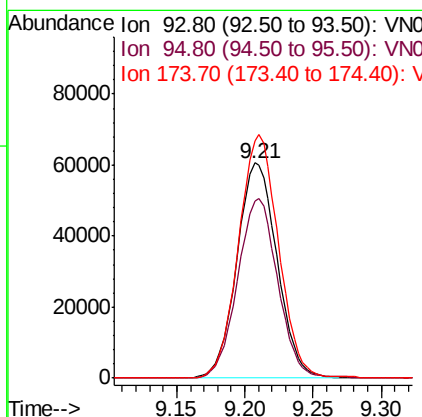
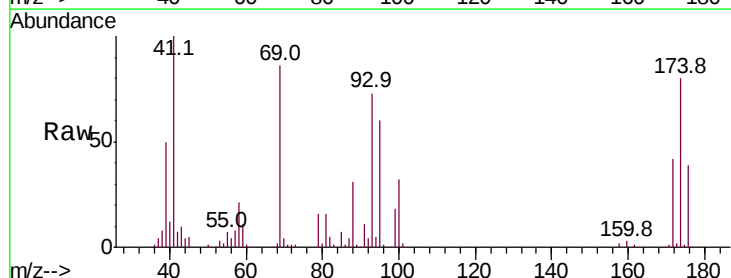
Manual Integrations
 APPROVED

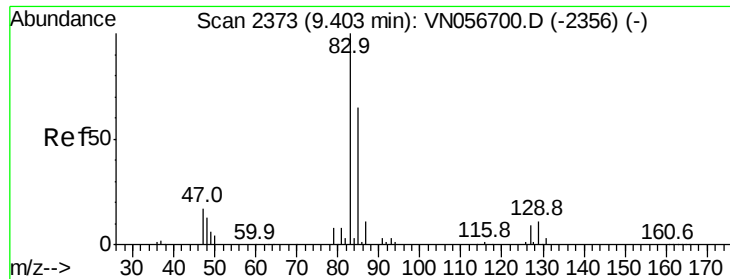
MMDadoda
 7/17/2019 1:31:46 AM



#46
 Dibromomethane
 Concen: 50.645 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Tgt Ion: 93 Resp: 124281
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.4 101.0
 174 112.7 90.3 135.5





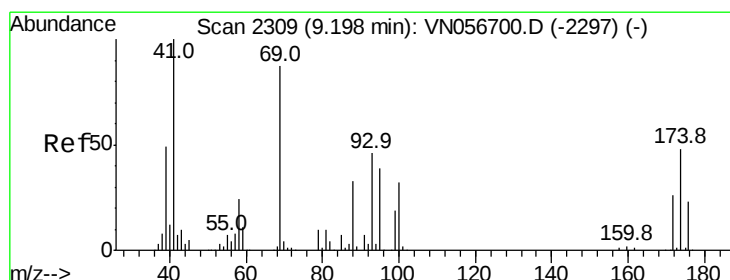
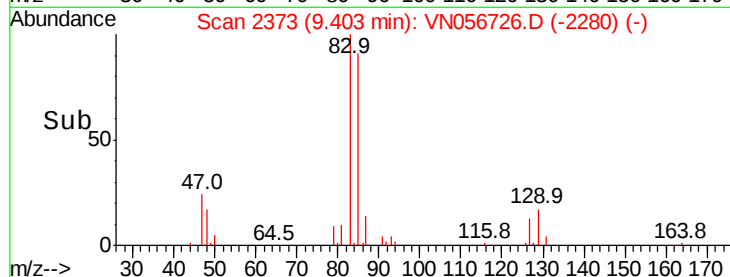
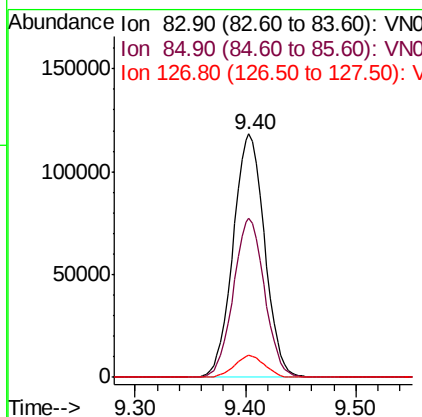
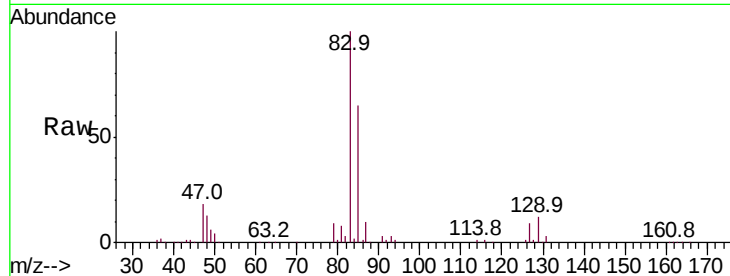
#47
Bromodichloromethane
Concen: 50.149 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	233852
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	52.3	78.5
127	9.2	7.6	11.4

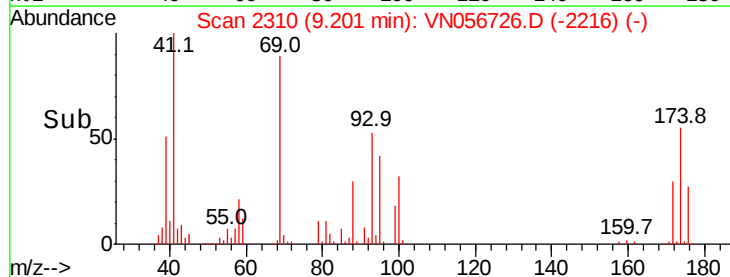
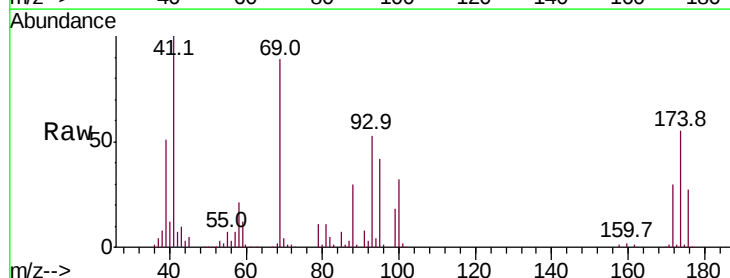
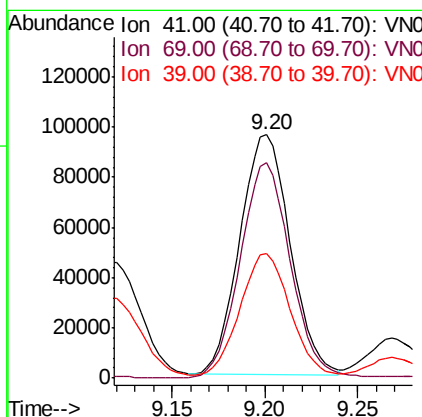
Manual Integrations
APPROVED

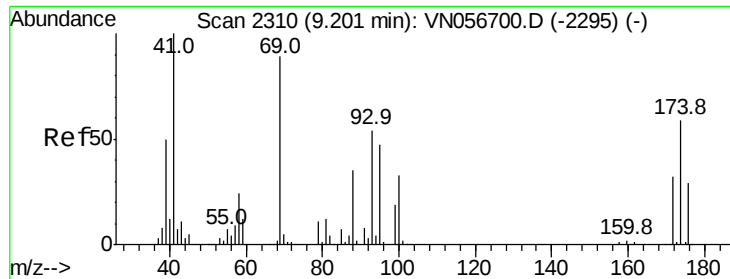
MMDadoda
7/17/2019 1:31:46 AM



#48
Methyl methacrylate
Concen: 49.725 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion	41	Resp	181224
Ion Ratio	100	Lower	Upper
41	100		
69	90.1	71.4	107.0
39	52.2	41.2	61.8





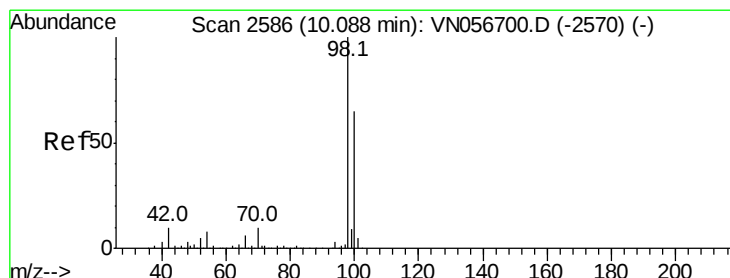
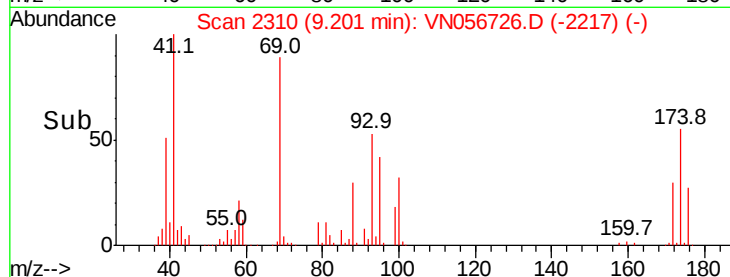
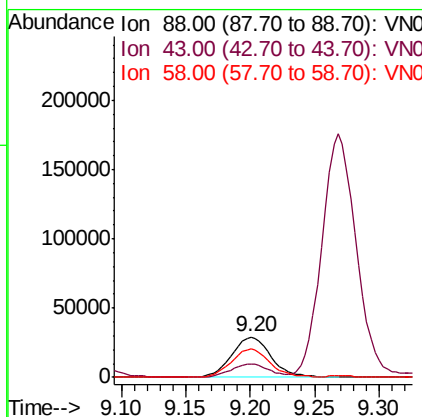
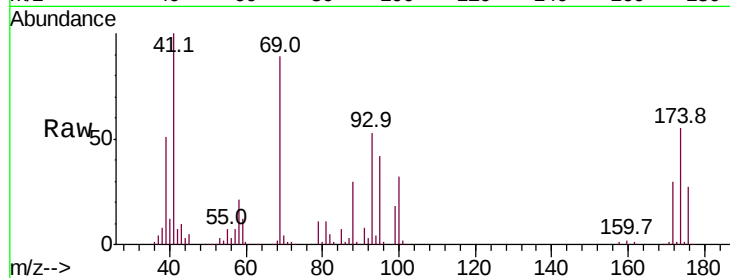
#49
1,4-Dioxane
Concen: 823.397 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	23.7	35.5
58	69.5	55.6	83.4

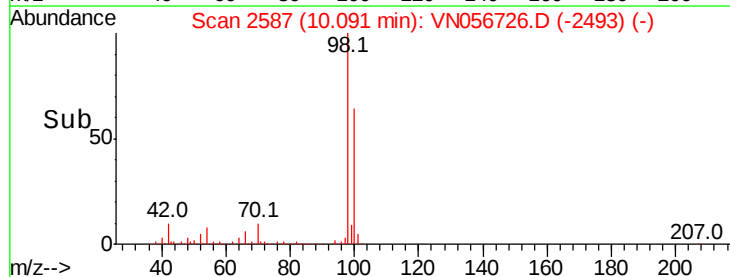
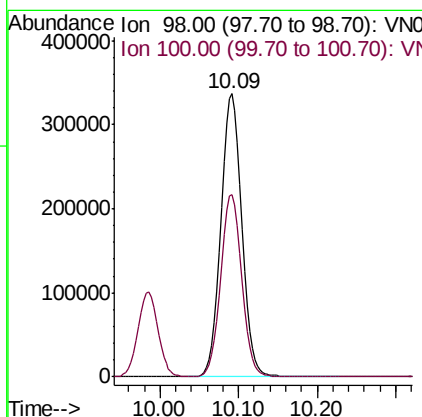
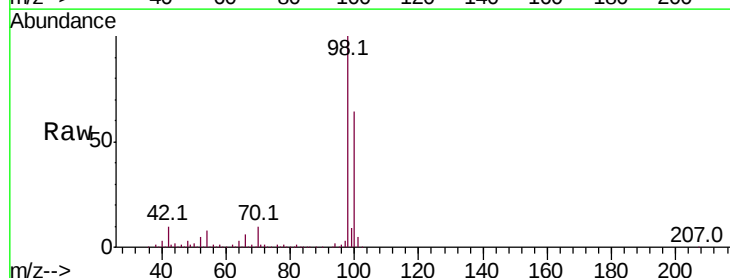
Manual Integrations
APPROVED

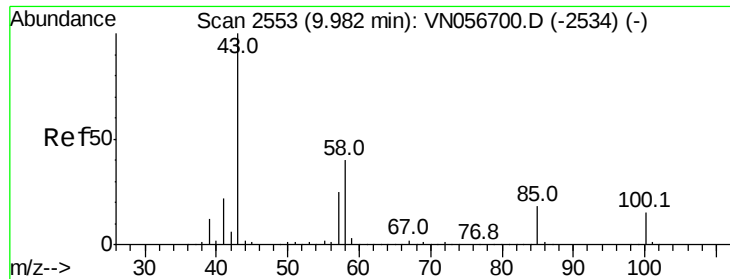
MMDadoda
7/17/2019 1:31:46 AM



#50
Toluene-d8
Concen: 48.684 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0





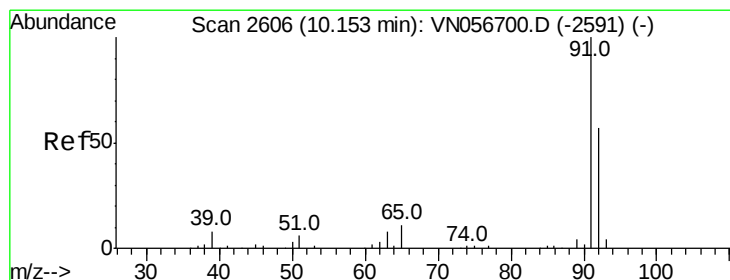
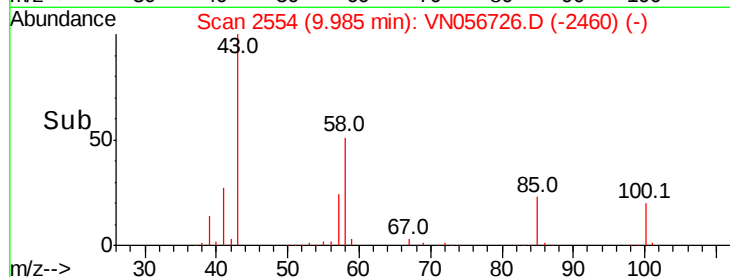
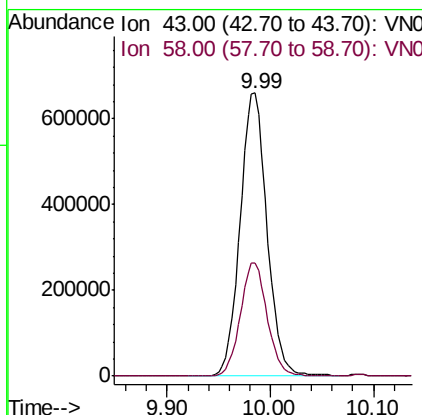
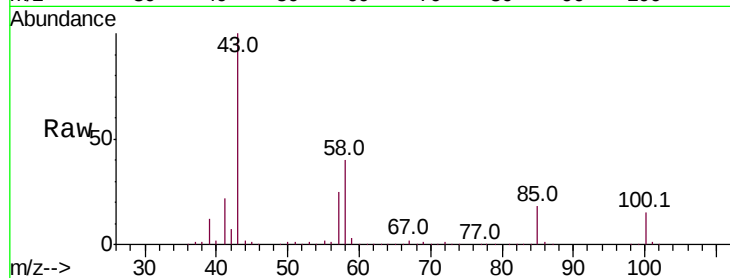
#51
4-Methyl-2-Pentanone
Concen: 245.453 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1198050
Ion Ratio Lower Upper
43 100
58 40.0 32.0 48.0

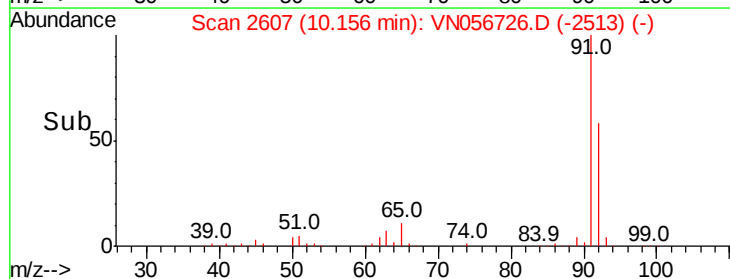
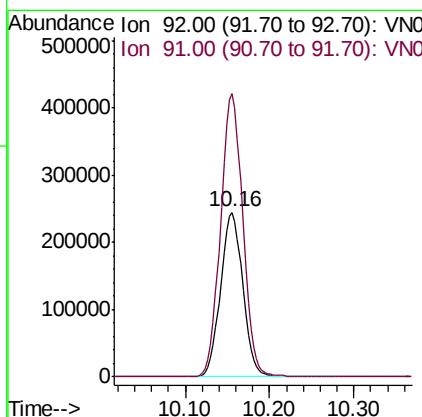
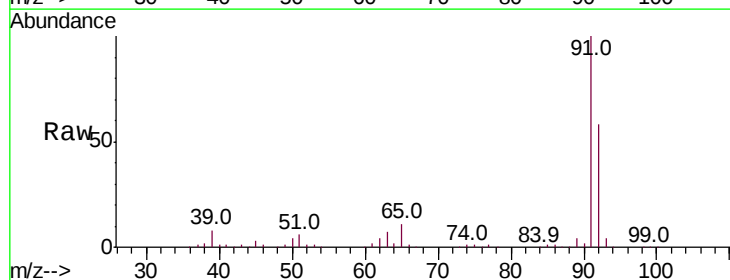
Manual Integrations
APPROVED

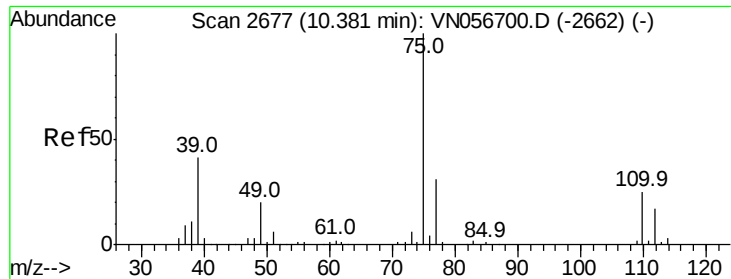
MMDadoda
7/17/2019 1:31:46 AM



#52
Toluene
Concen: 50.581 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion: 92 Resp: 447658
Ion Ratio Lower Upper
92 100
91 172.8 139.9 209.9





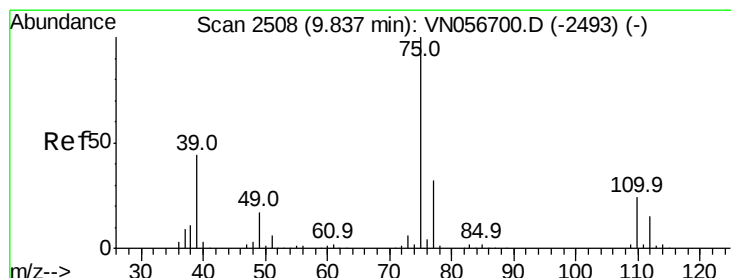
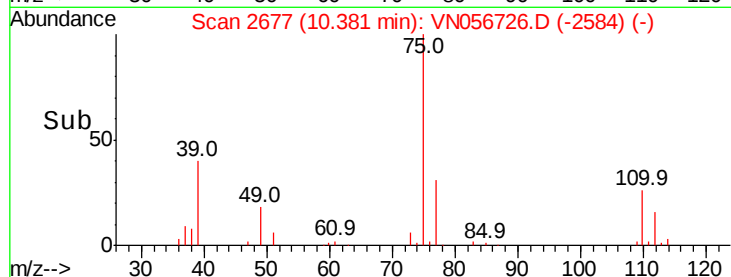
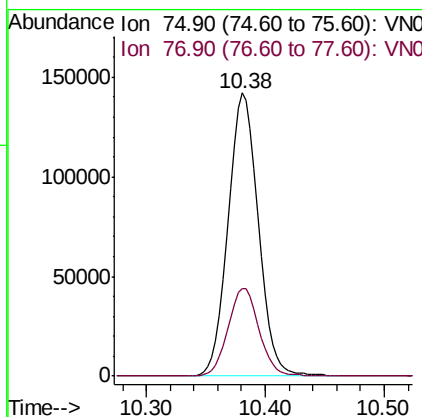
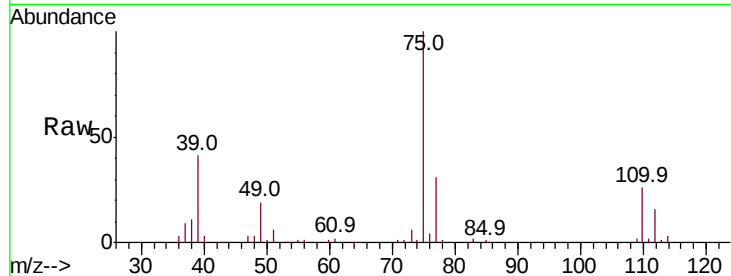
#53
t-1,3-Dichloropropene
Concen: 51.447 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 250294
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.6

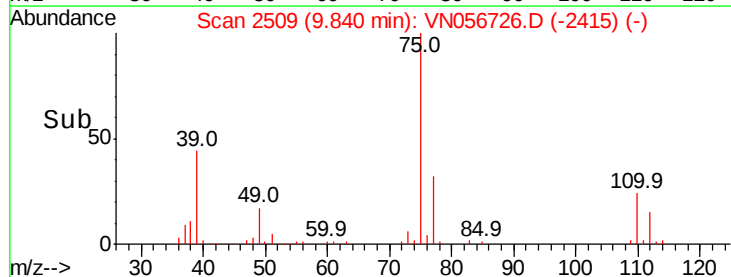
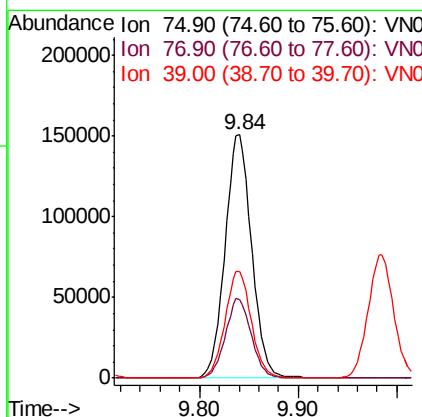
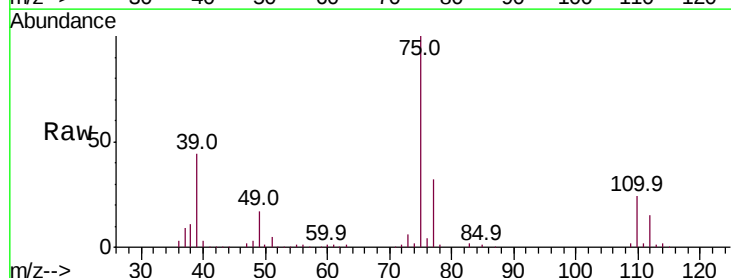
Manual Integrations
APPROVED

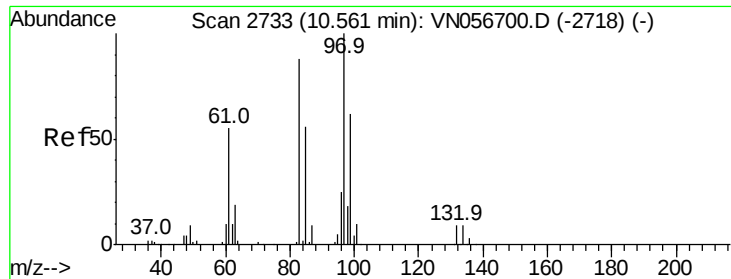
MMDadoda
7/17/2019 1:31:46 AM



#54
cis-1,3-Dichloropropene
Concen: 50.302 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion: 75 Resp: 283988
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0
39 44.0 35.1 52.7





#55

1,1,2-Trichloroethane

Concen: 48.405 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 179687

Ion Ratio Lower Upper

97 100

83 87.2 70.3 105.5

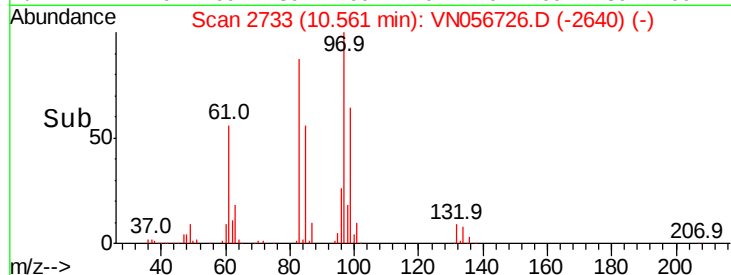
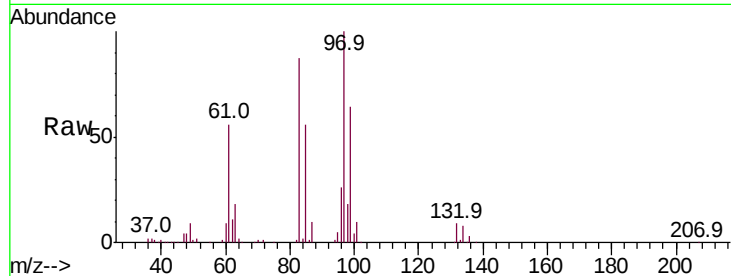
85 56.2 44.8 67.2

99 63.8 49.6 74.4

Manual Integrations
APPROVED

MMDadoda

7/17/2019 1:31:46 AM



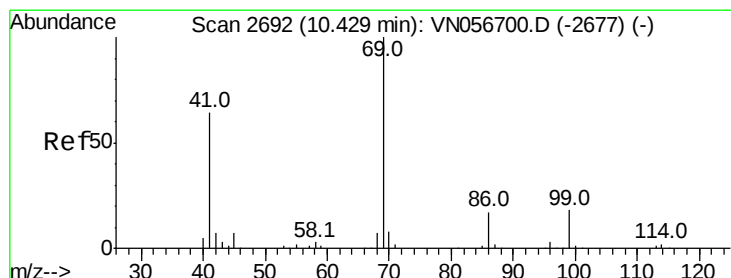
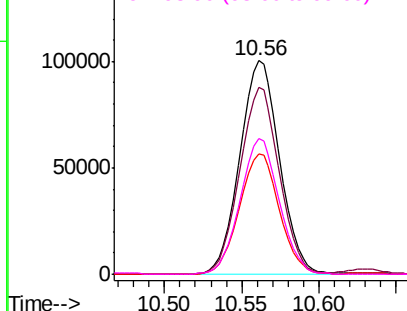
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 51.941 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

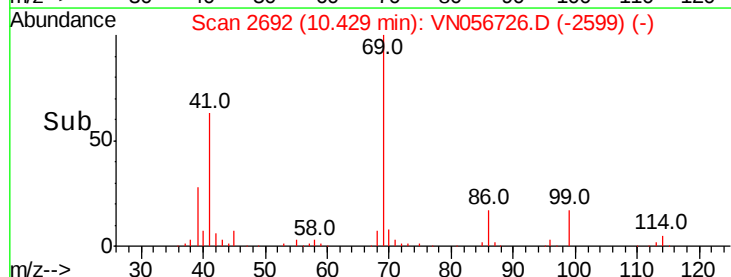
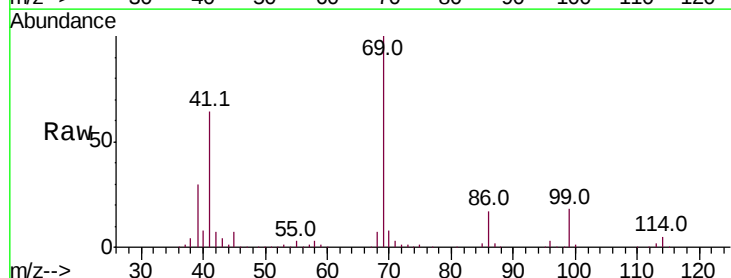
Tgt Ion: 69 Resp: 277428

Ion Ratio Lower Upper

69 100

41 63.2 51.0 76.4

39 29.9 24.6 36.8

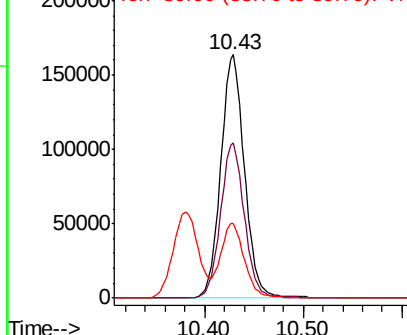


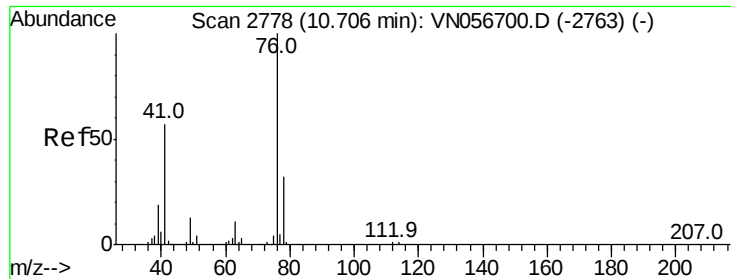
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 49.877 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 302393

Ion Ratio Lower Upper

76 100

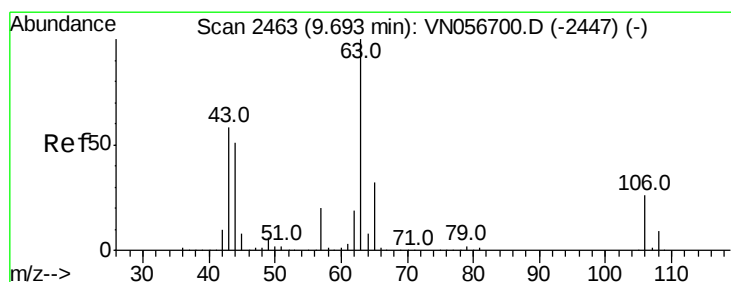
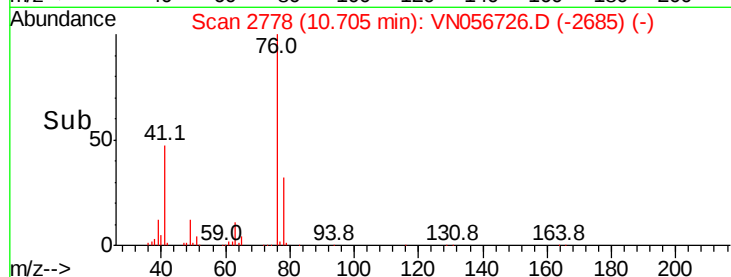
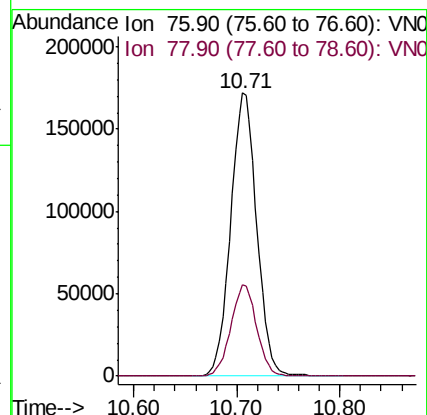
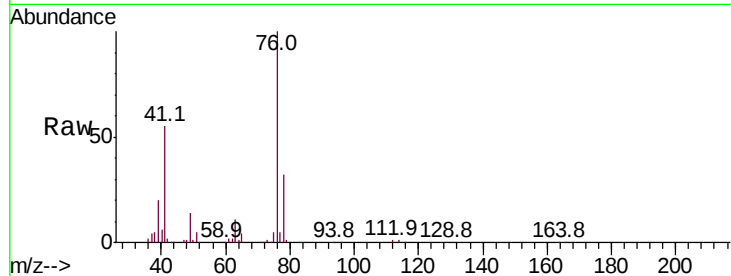
78 32.1 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

7/17/2019 1:31:46 AM



#58

2-Chloroethyl Vinyl ether

Concen: 251.513 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056726.D

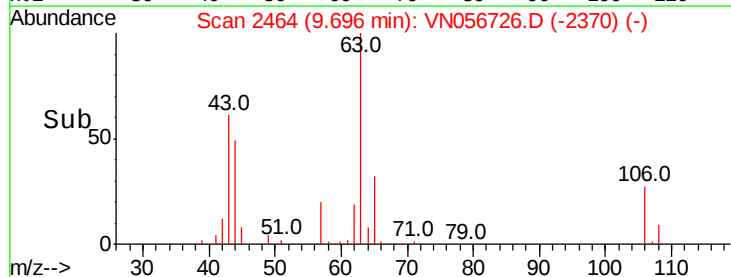
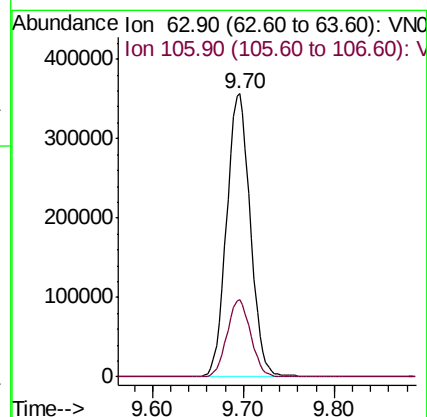
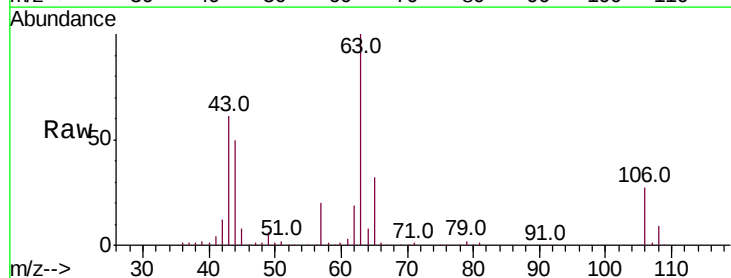
Acq: 15 Jul 2019 21:05

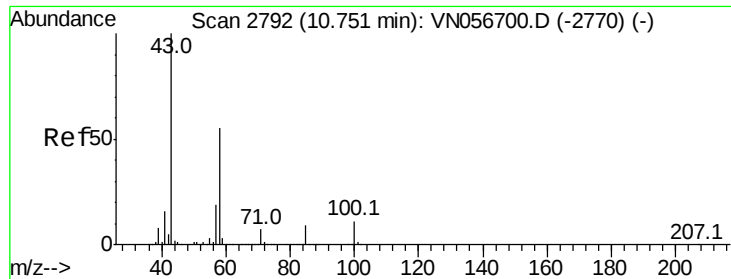
Tgt Ion: 63 Resp: 646001

Ion Ratio Lower Upper

63 100

106 27.2 21.2 31.8





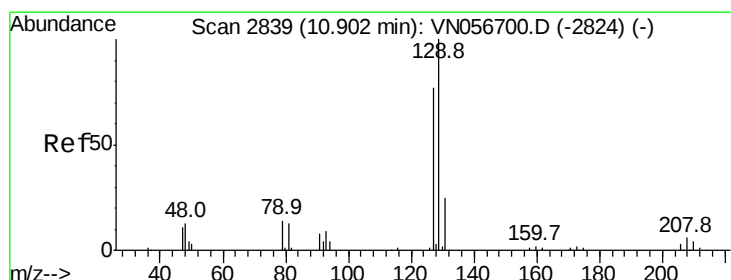
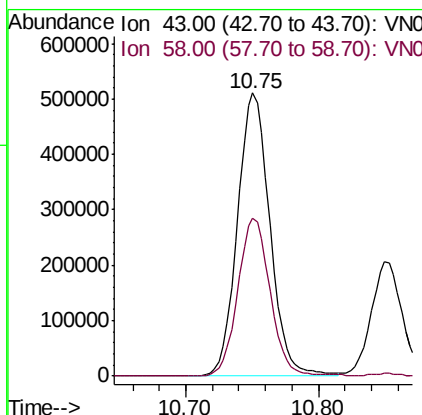
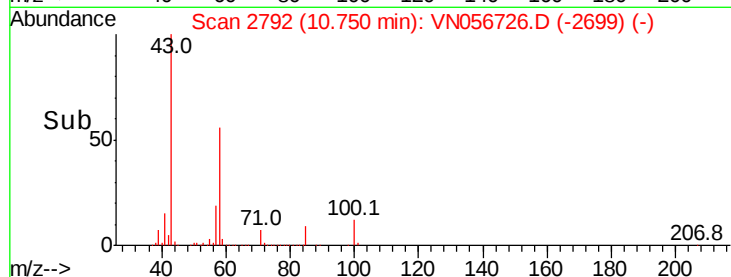
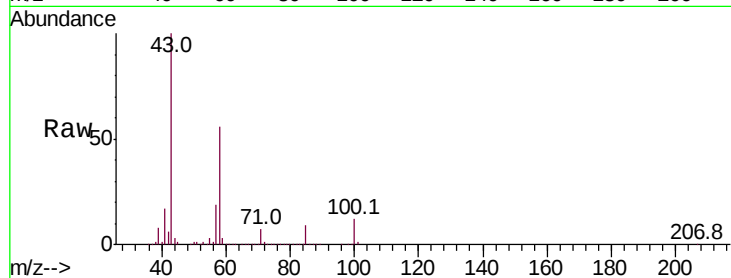
#59
2-Hexanone
Concen: 247.665 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 867390
Ion Ratio Lower Upper
43 100
58 55.9 27.9 83.6

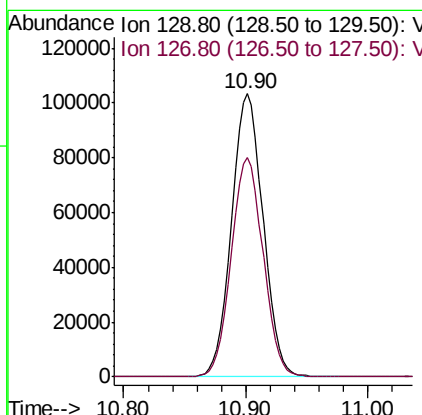
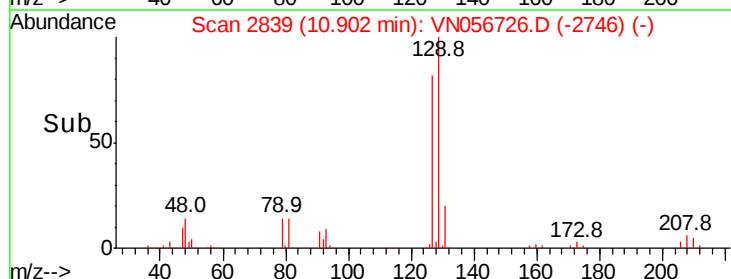
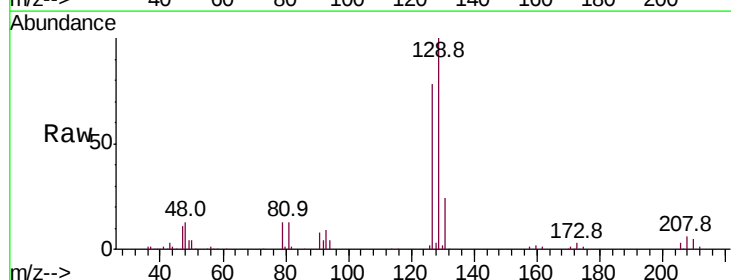
Manual Integrations
APPROVED

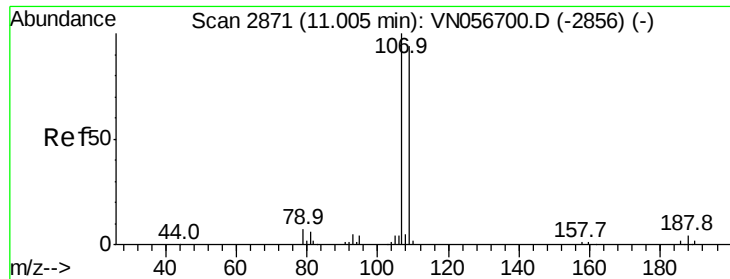
MMDadoda
7/17/2019 1:31:46 AM



#60
Dibromochloromethane
Concen: 50.843 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion: 129 Resp: 185618
Ion Ratio Lower Upper
129 100
127 78.1 38.2 114.6





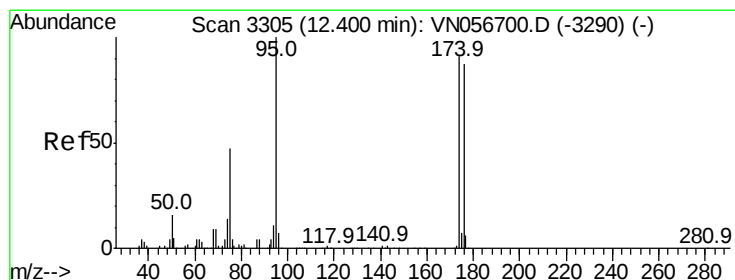
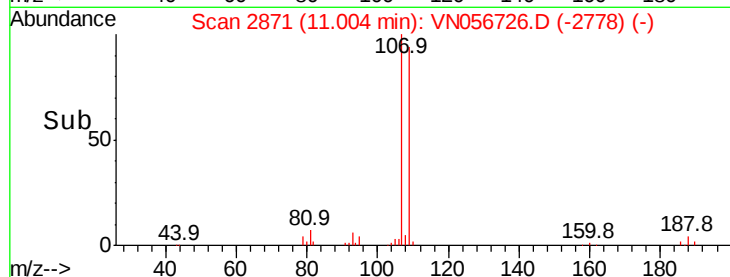
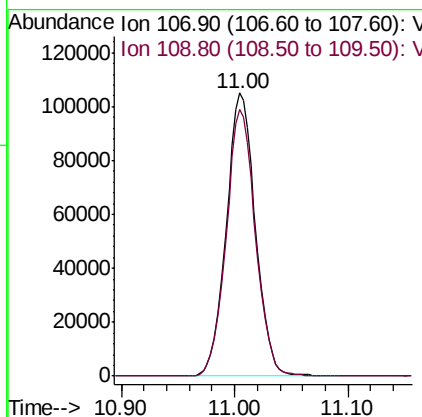
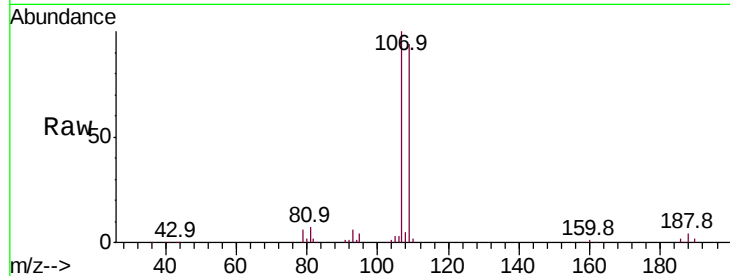
#61
 1,2-Dibromoethane
 Concen: 50.766 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.2	114.4

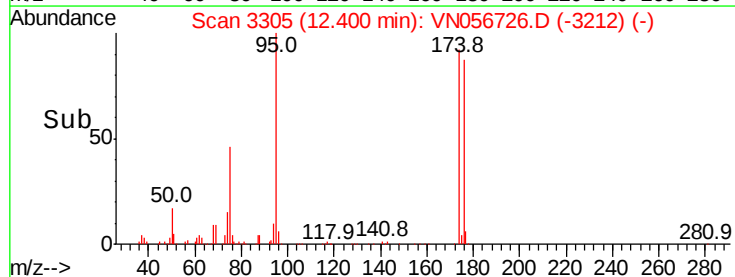
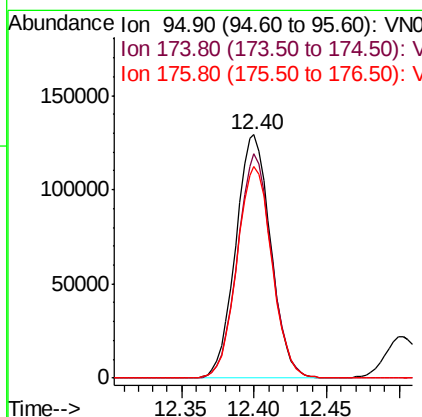
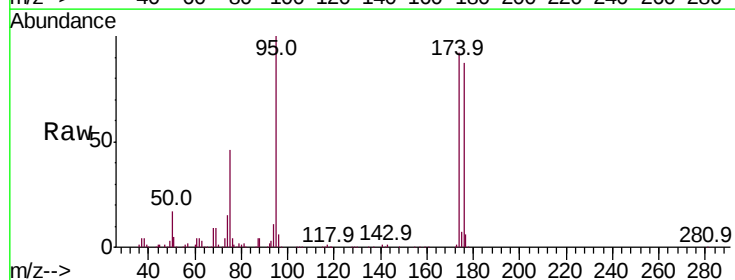
Manual Integrations
 APPROVED

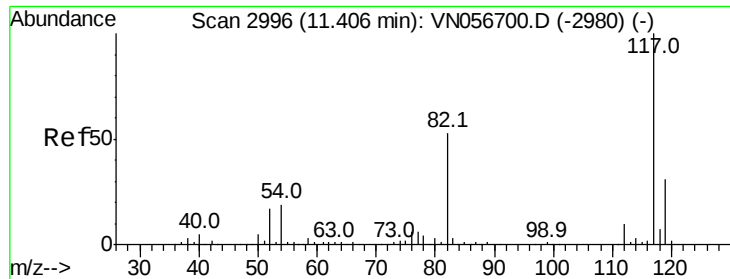
MMDadoda
 7/17/2019 1:31:46 AM



#62
 4-Bromofluorobenzene
 Concen: 50.825 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	180.0
176	87.1	0.0	173.2





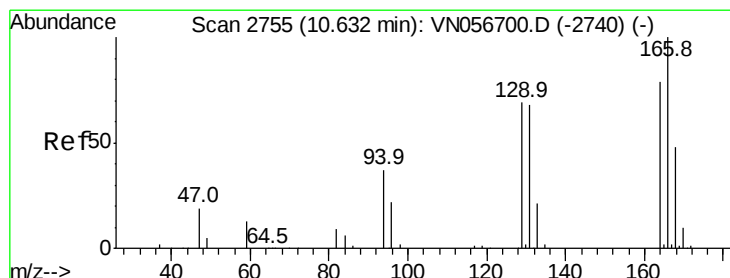
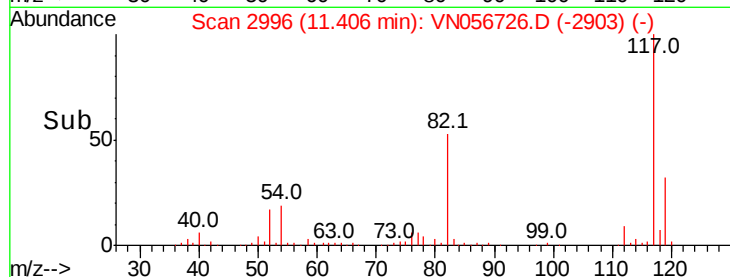
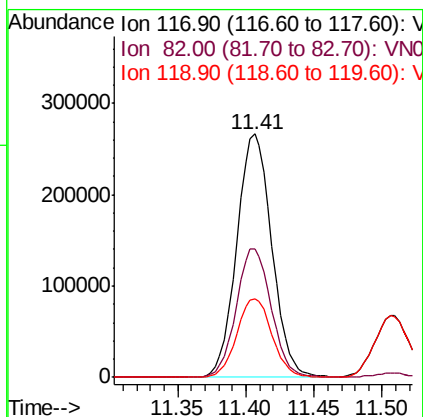
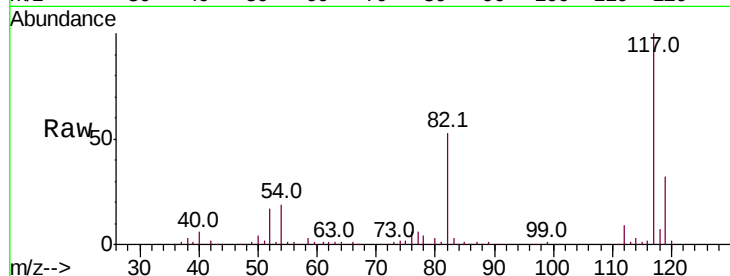
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.2	63.2
119	32.3	25.2	37.8

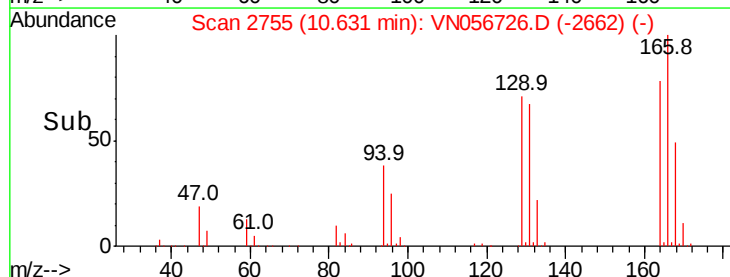
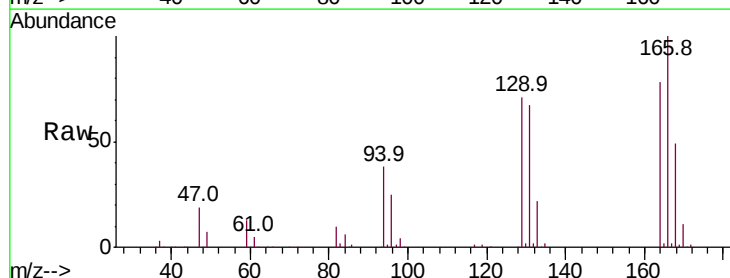
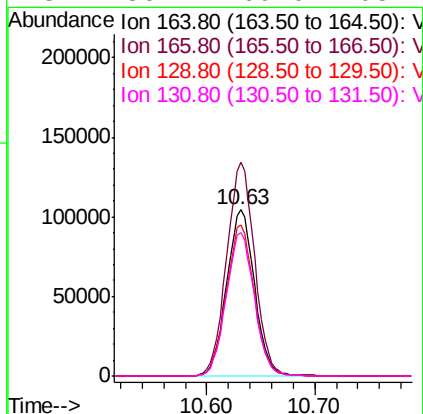
Manual Integrations
APPROVED

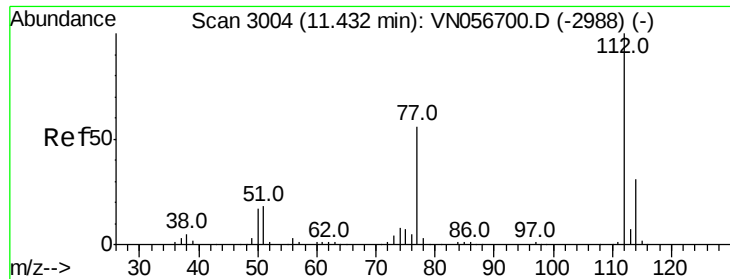
MMDadoda
7/17/2019 1:31:46 AM



#64
Tetrachloroethene
Concen: 45.995 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	101.4	152.2
129	90.9	69.6	104.4
131	86.2	69.0	103.4





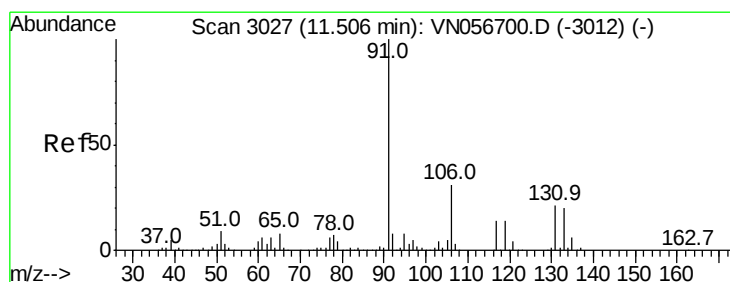
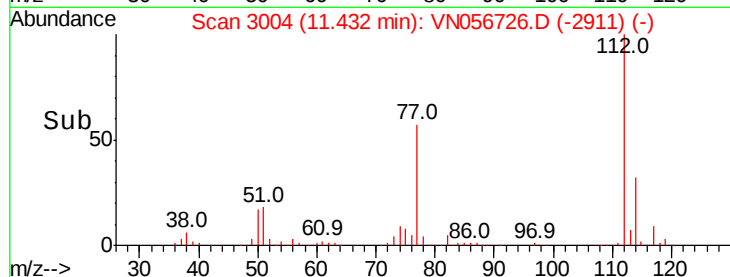
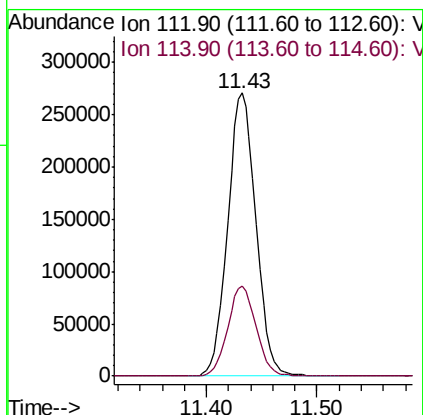
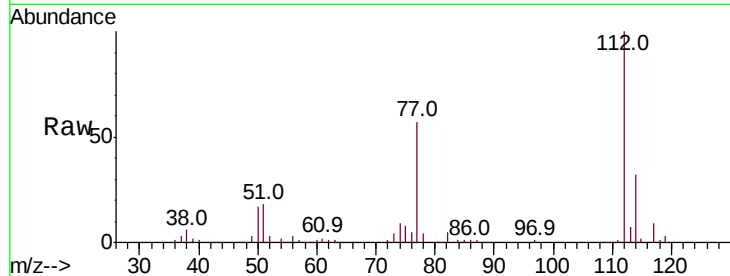
#65
Chlorobenzene
Concen: 49.224 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 478179
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8

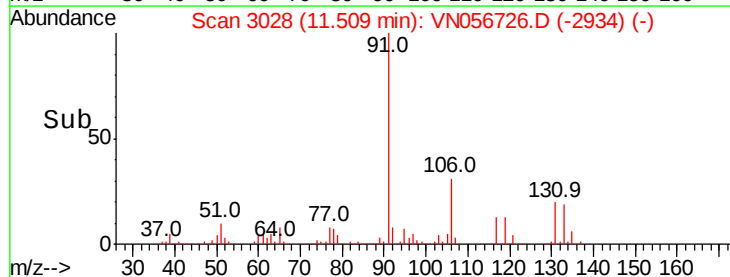
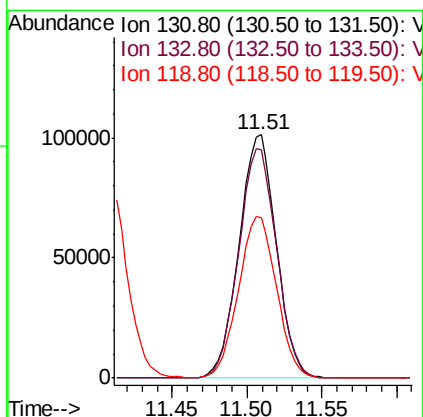
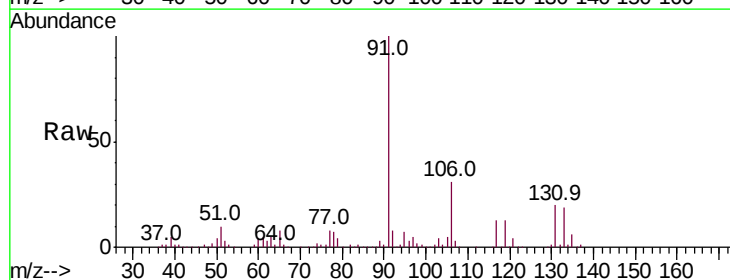
Manual Integrations
APPROVED

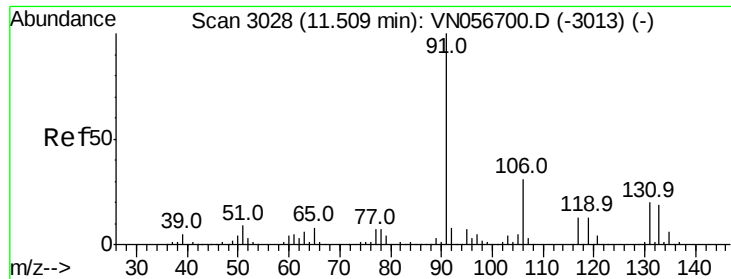
MMDadoda
7/17/2019 1:31:46 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.062 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion:131 Resp: 175481
Ion Ratio Lower Upper
131 100
133 96.1 46.9 140.7
119 67.9 32.8 98.3





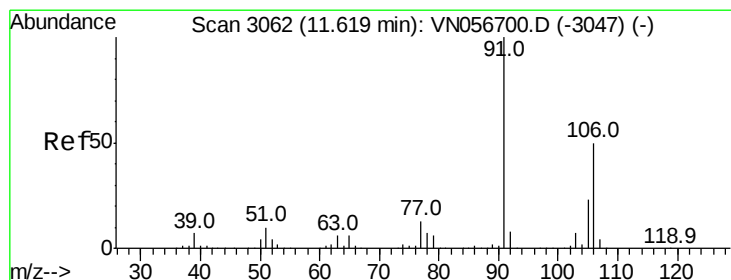
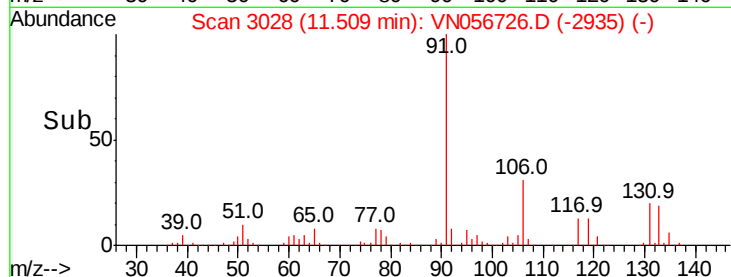
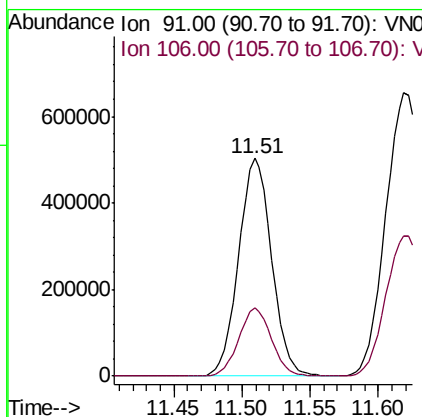
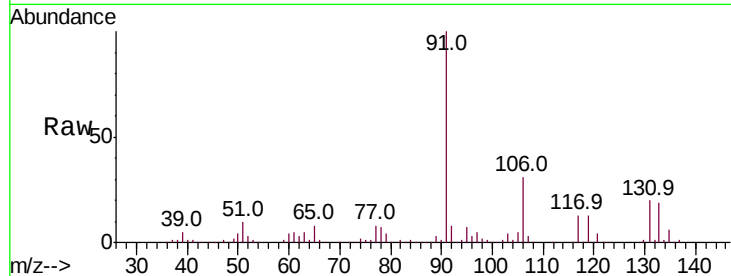
#67
Ethyl Benzene
Concen: 49.552 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 845954
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2

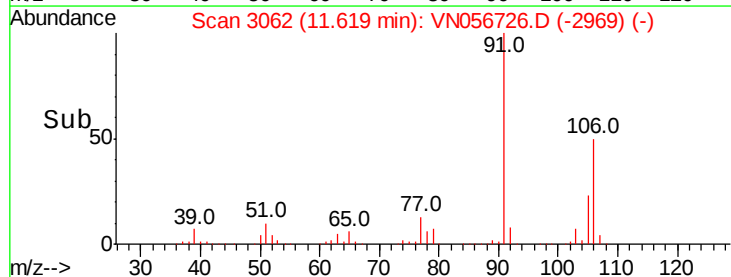
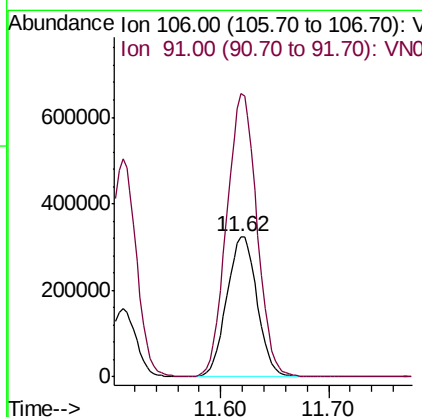
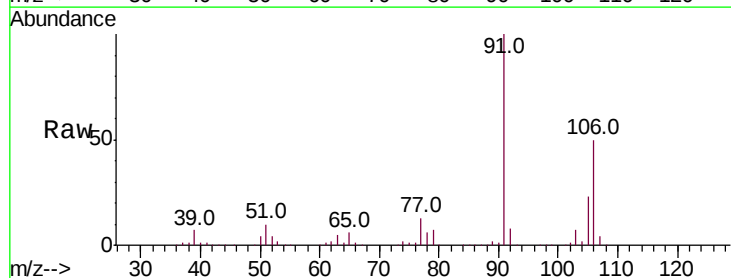
Manual Integrations
APPROVED

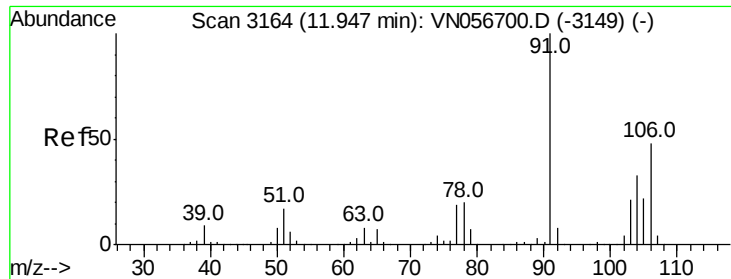
MMDadoda
7/17/2019 1:31:46 AM



#68
m/p-Xylenes
Concen: 99.668 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion: 106 Resp: 635912
Ion Ratio Lower Upper
106 100
91 200.9 160.5 240.7





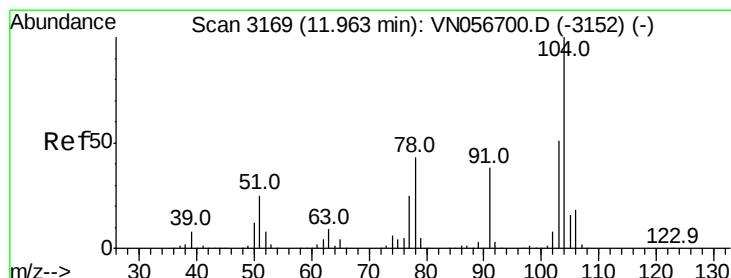
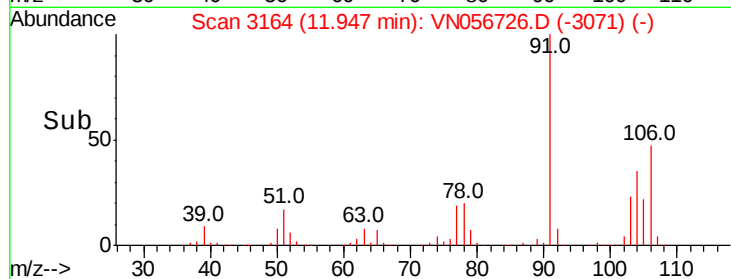
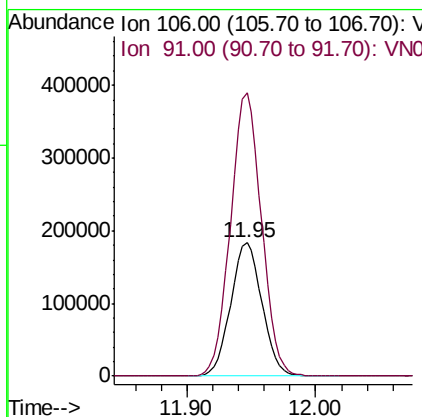
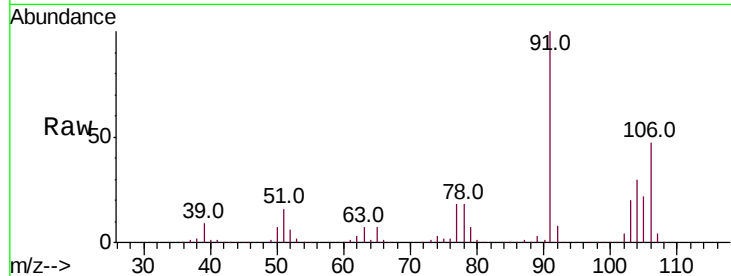
#69
o-Xylene
Concen: 49.184 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 308515
Ion Ratio Lower Upper
106 100
91 210.4 105.6 316.8

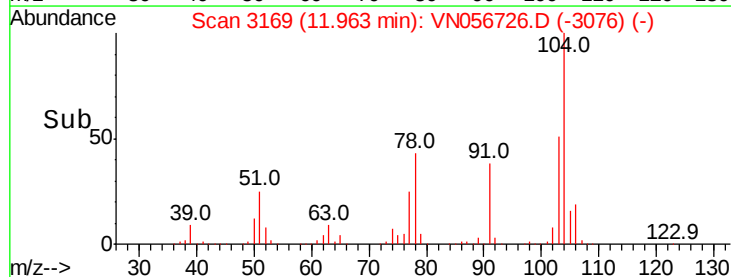
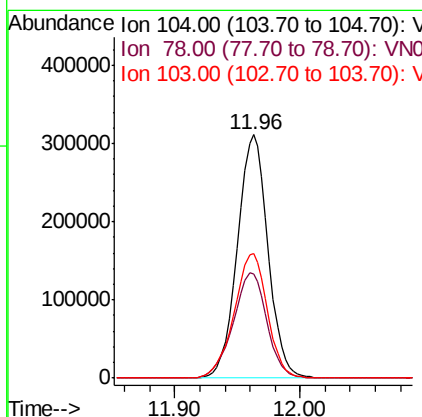
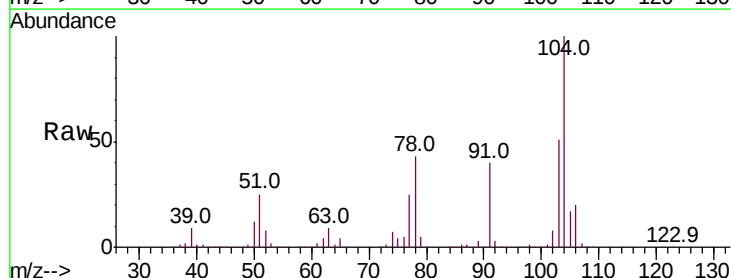
Manual Integrations
APPROVED

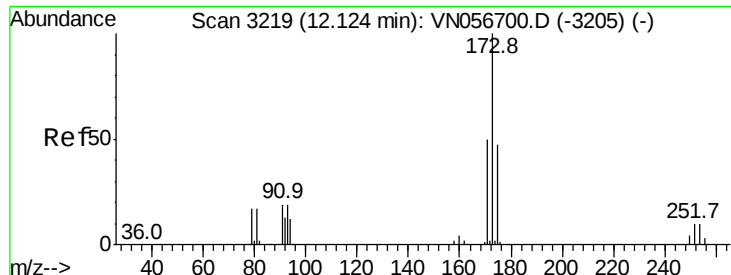
MMDadoda
7/17/2019 1:31:46 AM



#70
Styrene
Concen: 52.010 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion:104 Resp: 527429
Ion Ratio Lower Upper
104 100
78 47.7 38.6 57.8
103 55.4 44.2 66.4





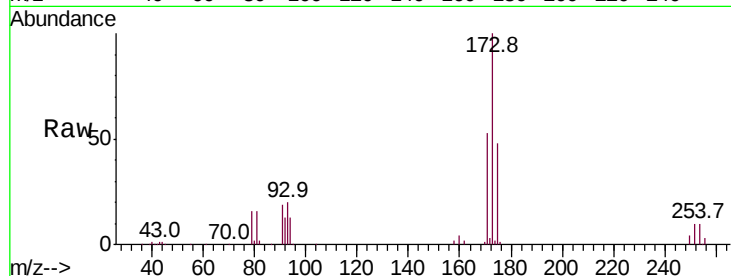
#71
Bromoform
Concen: 51.108 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

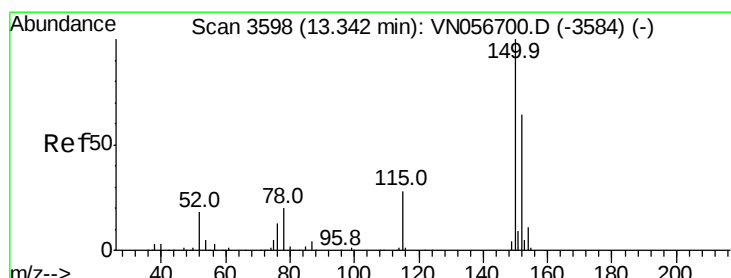
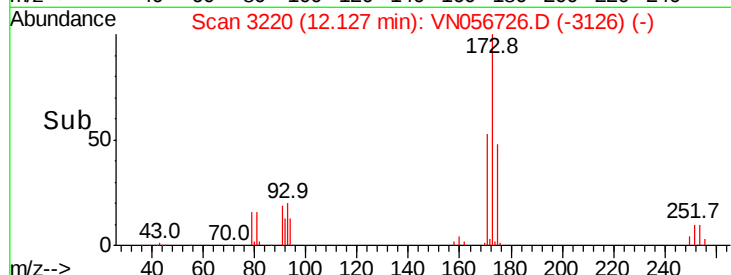
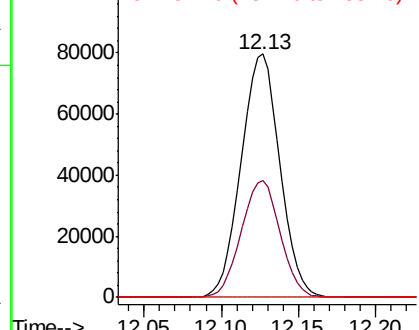
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.8	71.4
254	0.1	0.0	0.0#

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:46 AM

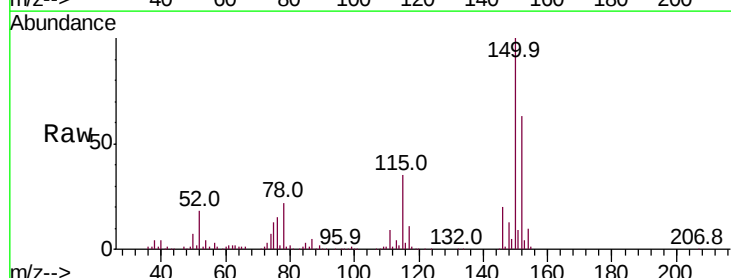


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

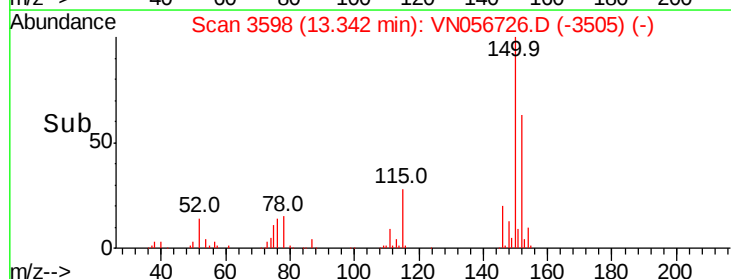
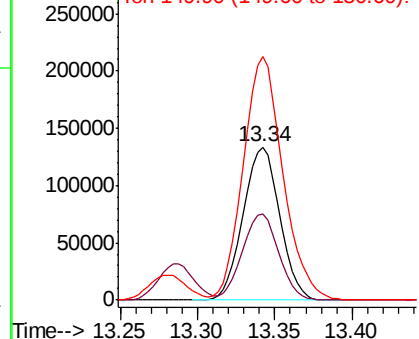


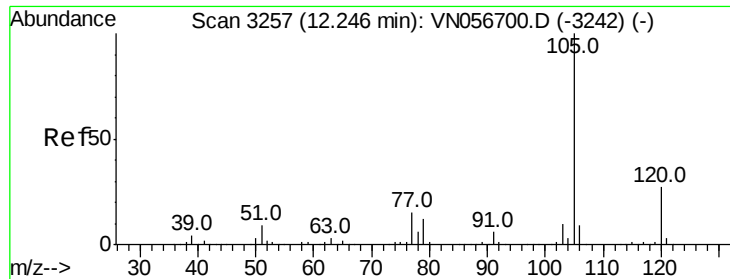
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.2	84.7
150	172.2	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: 45.640 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 811942

Ion Ratio Lower Upper

105 100

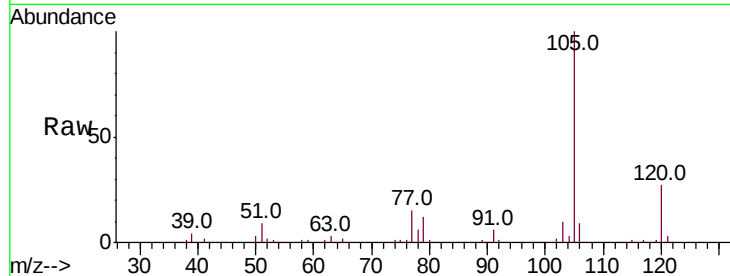
120 27.1 13.4 40.2

Manual Integrations

APPROVED

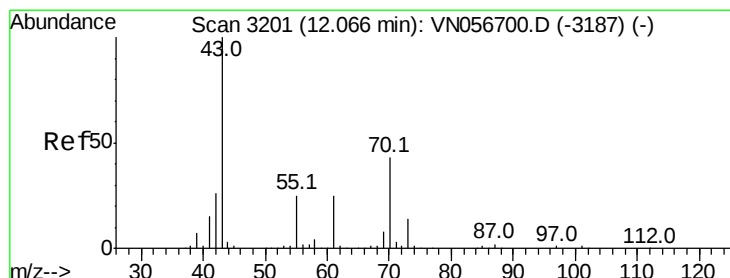
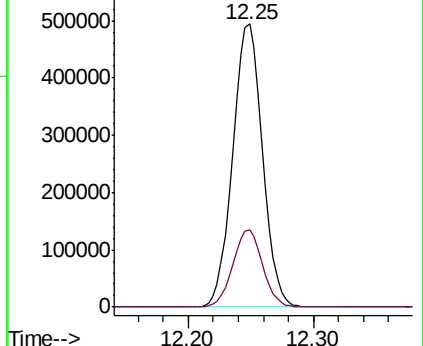
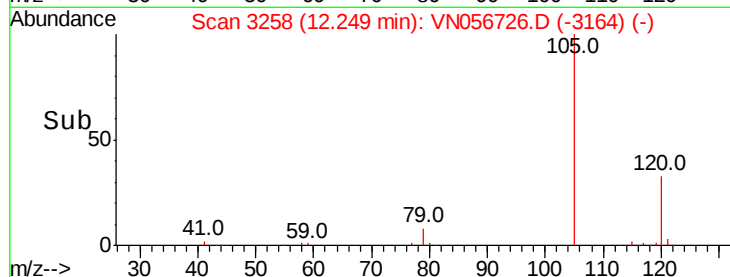
MMDadoda

7/17/2019 1:31:46 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.757 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Tgt Ion: 43 Resp: 309789

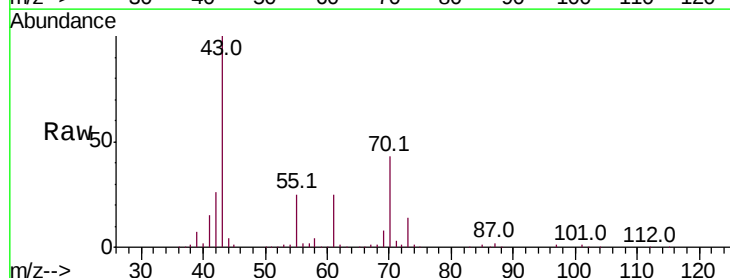
Ion Ratio Lower Upper

43 100

70 43.6 34.5 51.7

55 25.6 20.2 30.2

61 25.4 19.9 29.9

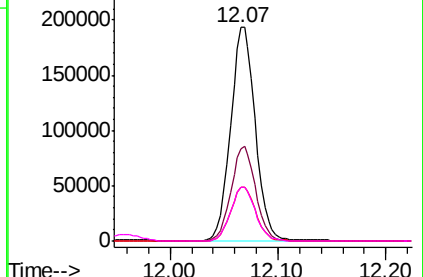
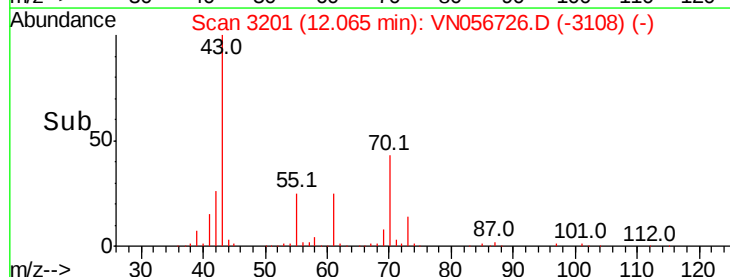


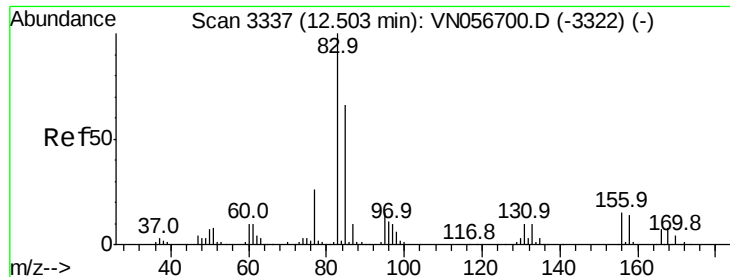
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.714 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Instrument :

MSVOA_N

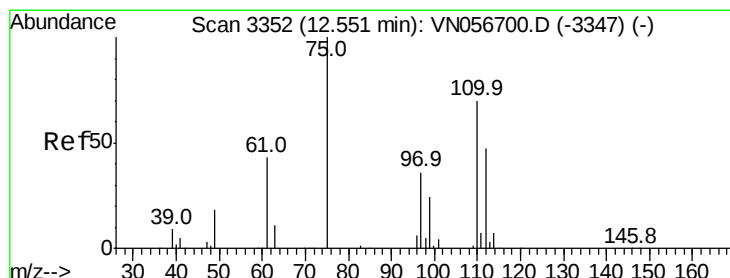
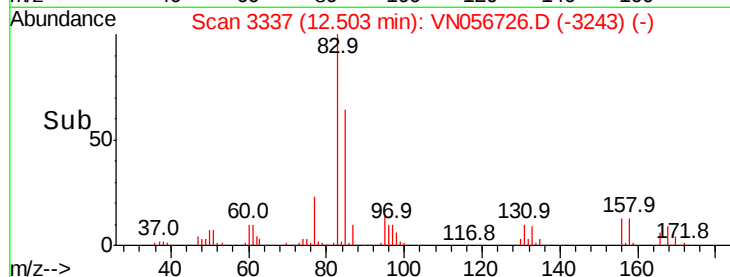
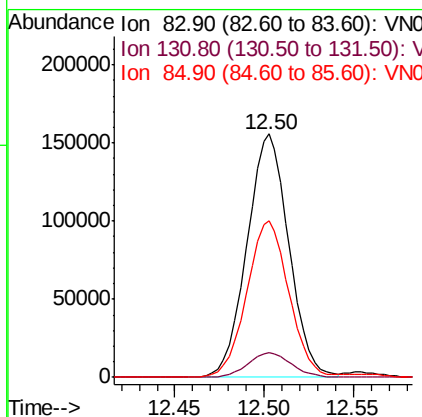
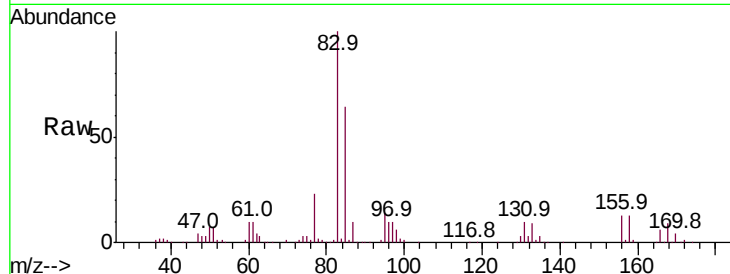
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	256160
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.8
85	64.5	32.6	97.8

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:46 AM



#76

1,2,3-Trichloropropane

Concen: 42.637 ug/l m

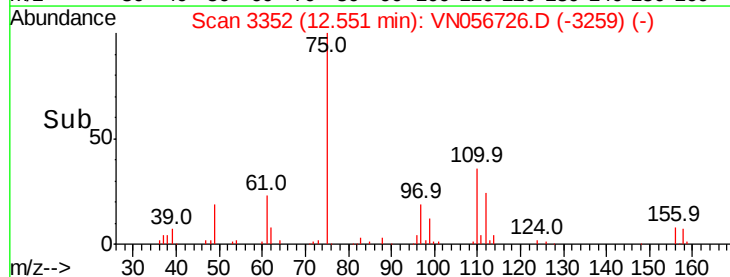
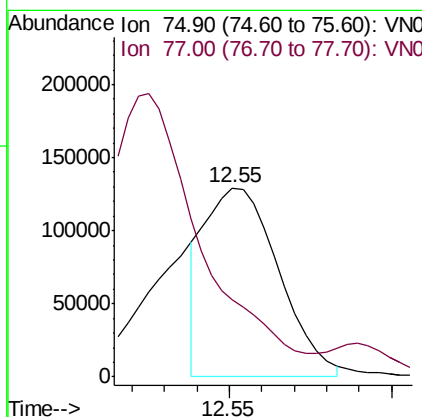
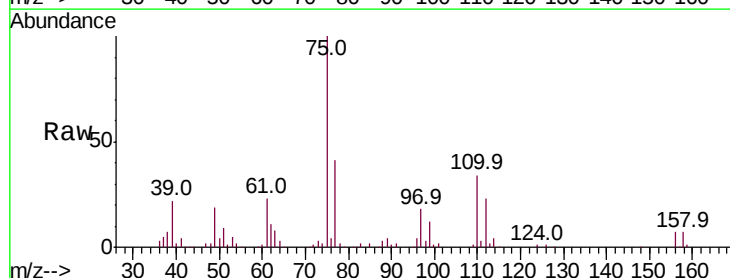
RT: 12.55 min Scan# 3352

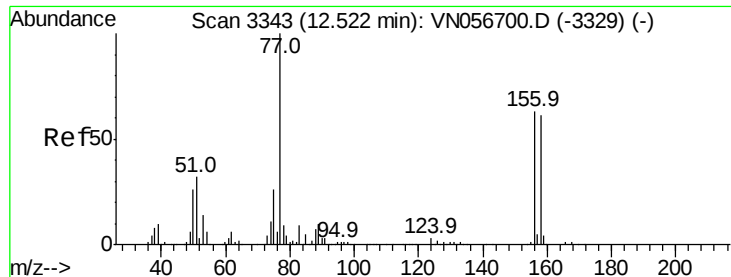
Delta R.T. -0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Tgt Ion:	75	Resp:	205750
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.233 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Instrument :

MSVOA_N

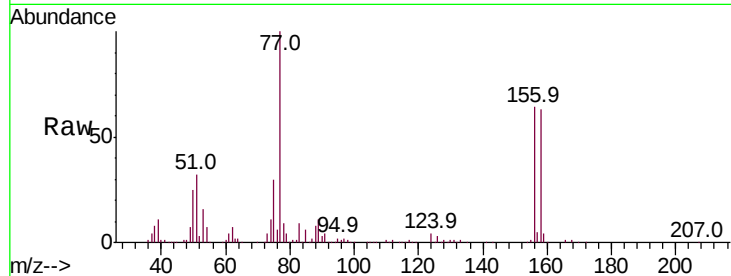
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	215130
Ion Ratio	Lower	Upper	
156	100		
77	189.8	97.2	291.6
158	98.0	48.9	146.8

Manual Integrations
APPROVED

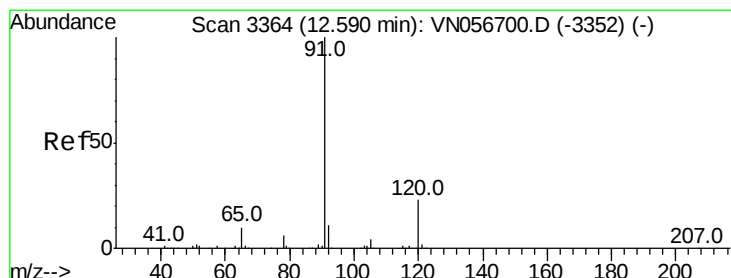
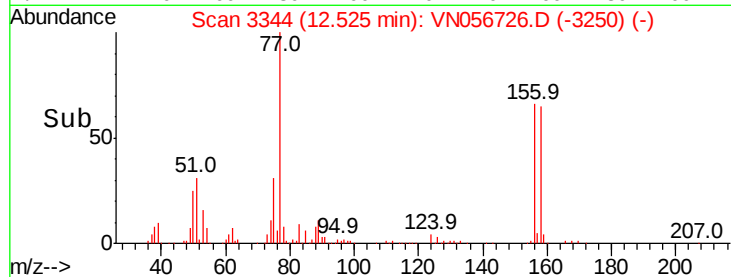
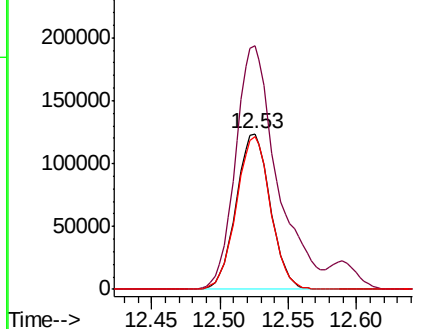
MMDadoda
7/17/2019 1:31:46 AM



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: 46.712 ug/l

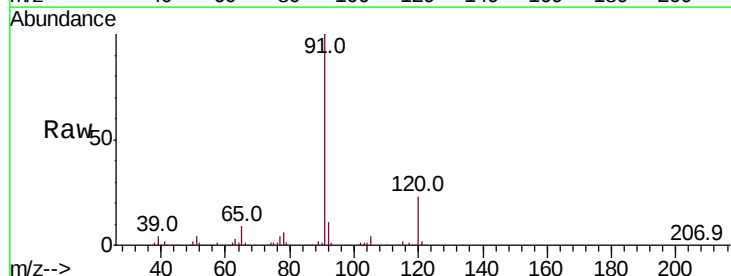
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056726.D

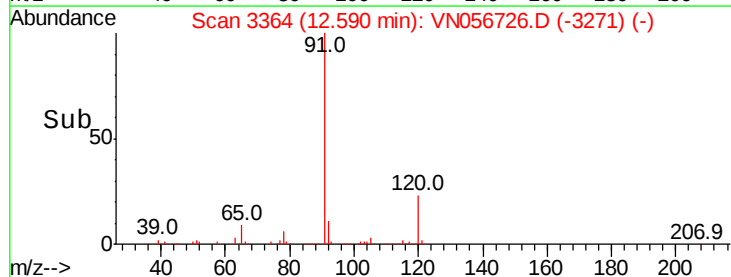
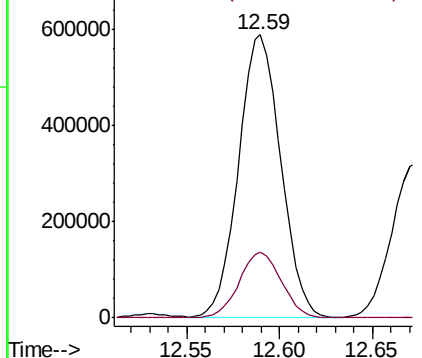
Acq: 15 Jul 2019 21:05

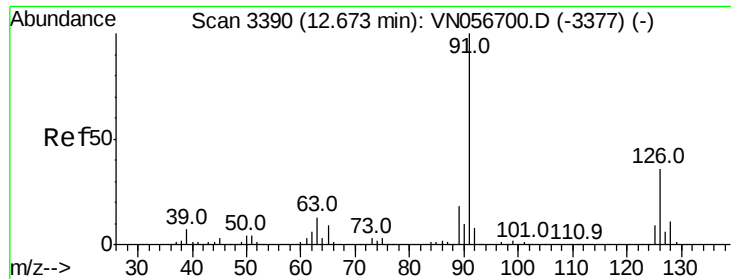
Tgt Ion:	91	Resp:	922575
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





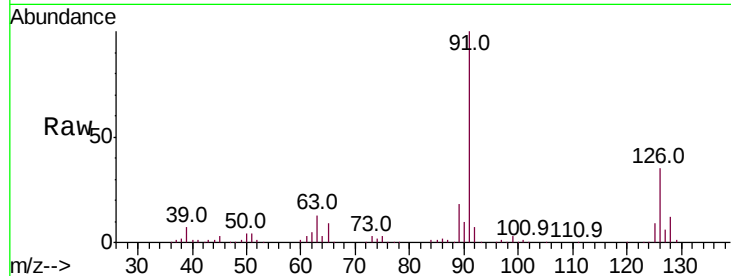
#79
2-Chlorotoluene
Concen: 49.846 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

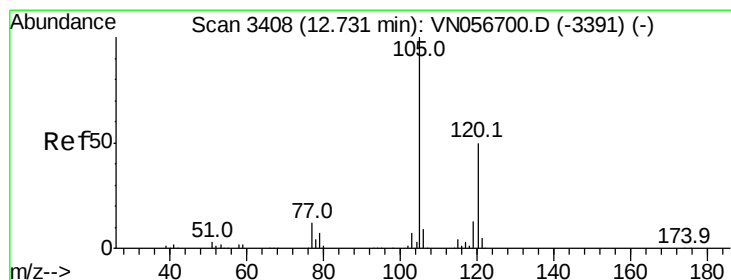
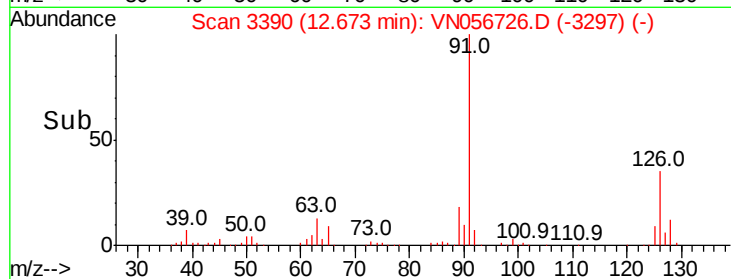
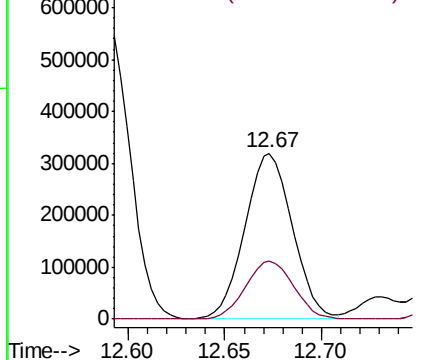
Tot Ion: 91 Resp: 544076
Ion Ratio Lower Upper
91 100
126 35.5 17.9 53.7

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:46 AM

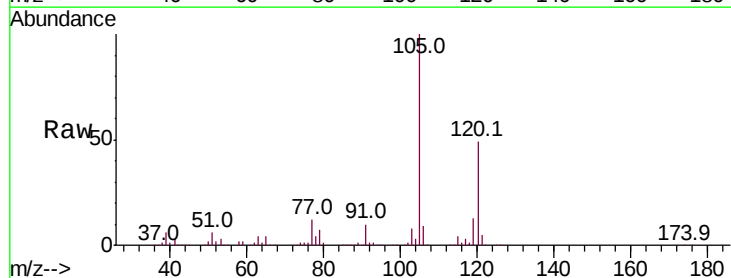


Abundance Ion 91.00 (90.70 to 91.70): VN056726.D (-3297) (-)
Ion 125.90 (125.60 to 126.60): VN056726.D (-3297) (-)

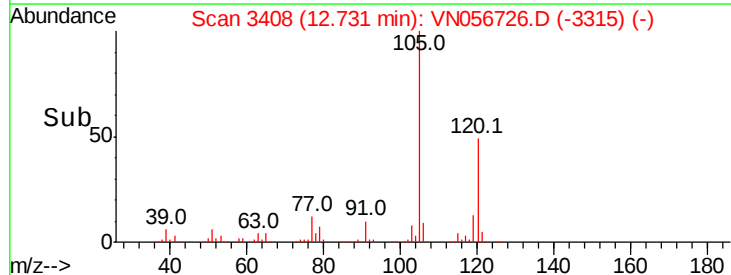
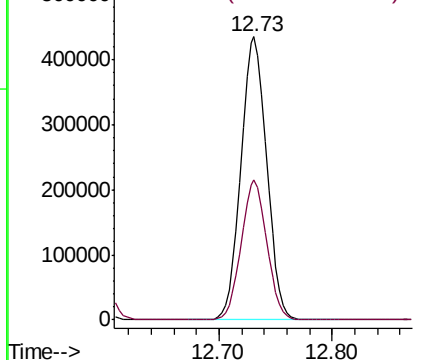


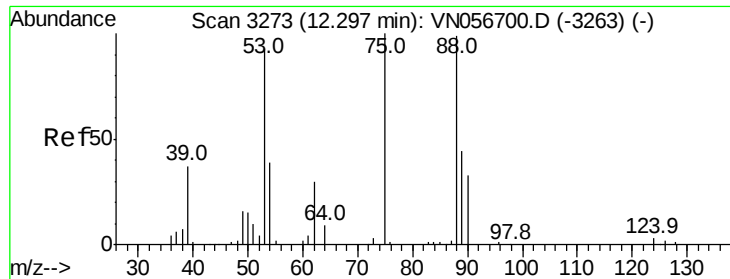
#80
1,3,5-Trimethylbenzene
Concen: 45.770 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion: 105 Resp: 690109
Ion Ratio Lower Upper
105 100
120 49.1 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056726.D (-3315) (-)
Ion 120.00 (119.70 to 120.70): VN056726.D (-3315) (-)





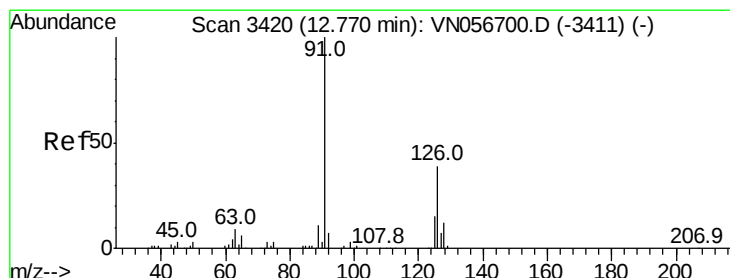
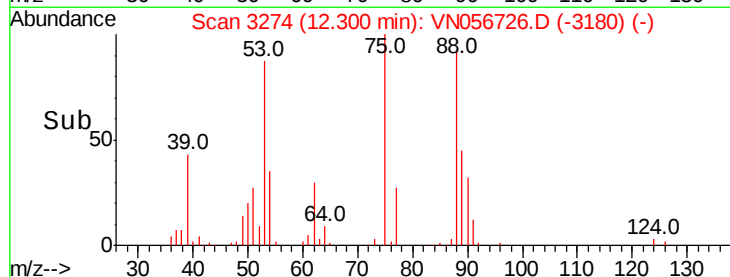
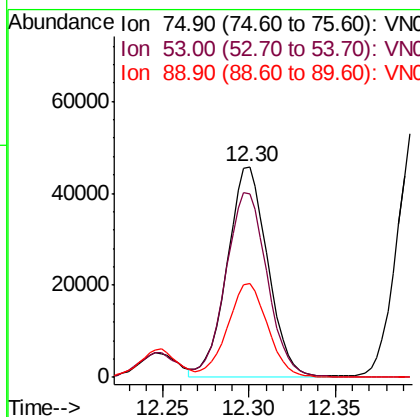
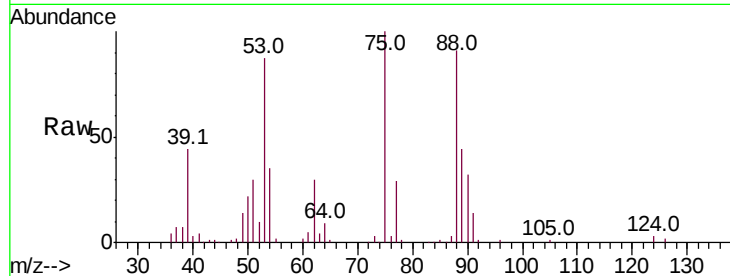
#81
trans-1,4-Dichloro-2-butene
Concen: 48.114 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 75180
Ion Ratio Lower Upper
75 100
53 89.4 73.7 110.5
89 44.0 36.2 54.2

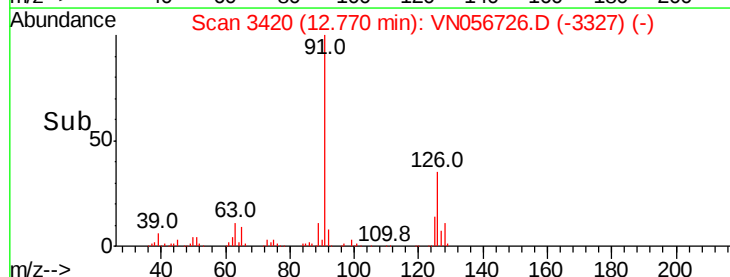
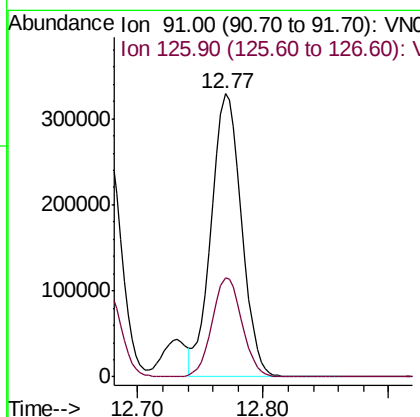
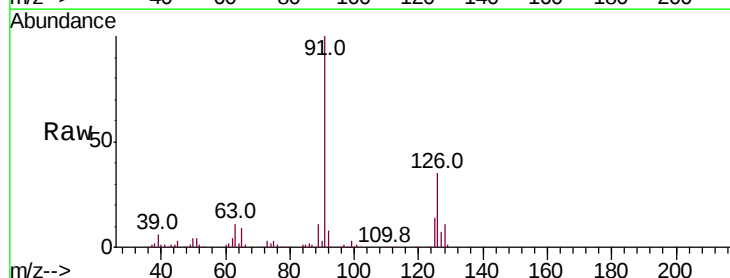
Manual Integrations
APPROVED

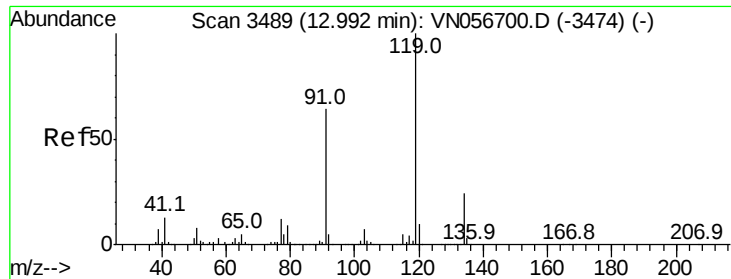
MMDadoda
7/17/2019 1:31:46 AM



#82
4-Chlorotoluene
Concen: 47.617 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion: 91 Resp: 551899
Ion Ratio Lower Upper
91 100
126 34.6 17.6 52.8





#83

tert-Butylbenzene

Concen: 49.818 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Instrument :

MSVOA_N

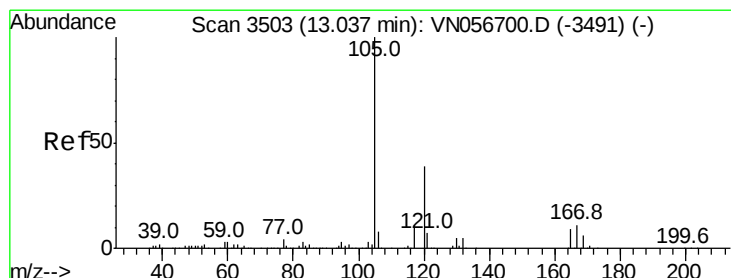
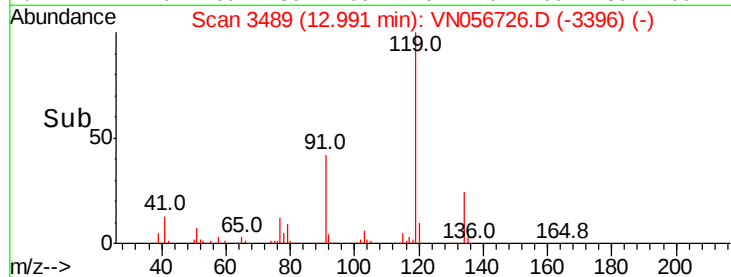
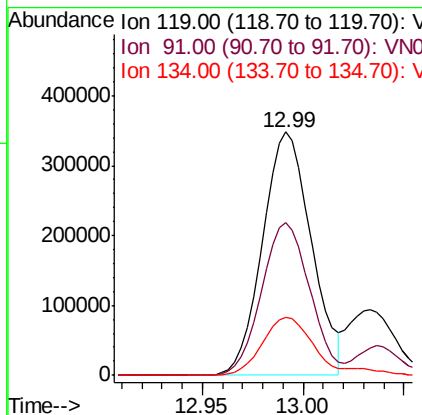
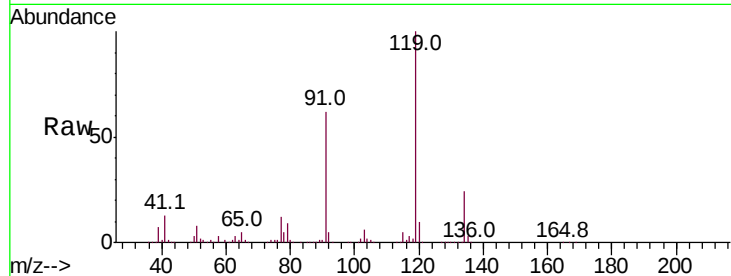
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	585608
Ion Ratio	Lower	Upper	
119	100		
91	62.3	31.8	95.4
134	26.2	13.0	38.9

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:46 AM



#84

1,2,4-Trimethylbenzene

Concen: 46.852 ug/l

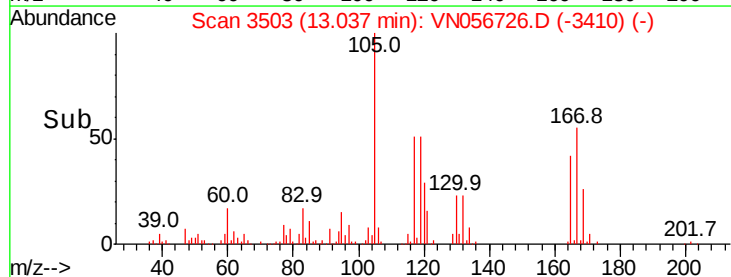
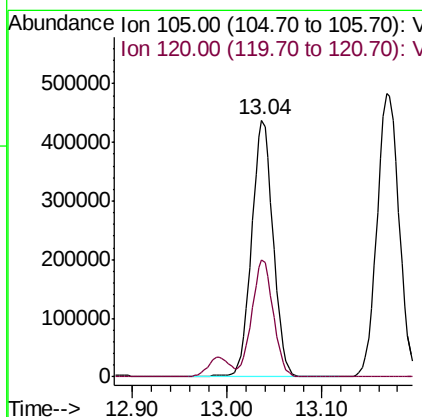
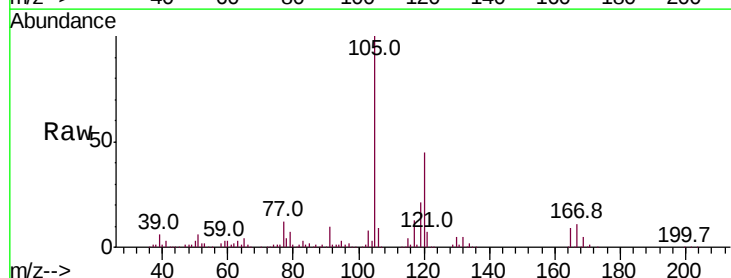
RT: 13.04 min Scan# 3503

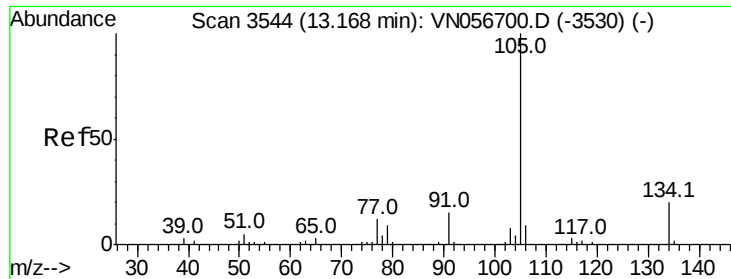
Delta R.T. -0.00 min

Lab File: VN056726.D

Acq: 15 Jul 2019 21:05

Tgt Ion:	105	Resp:	690122
Ion Ratio	Lower	Upper	
105	100		
120	45.7	22.9	68.8





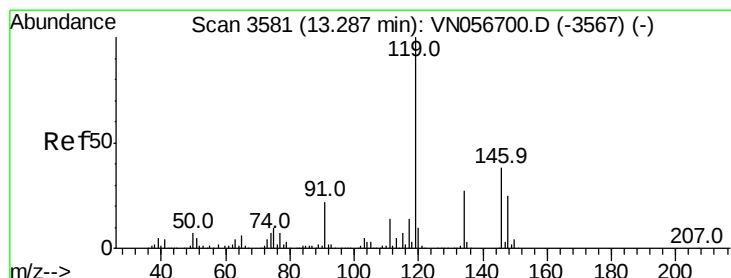
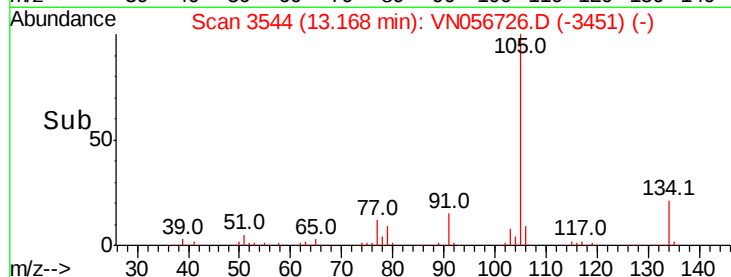
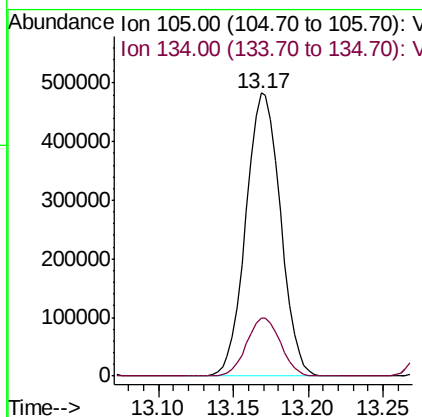
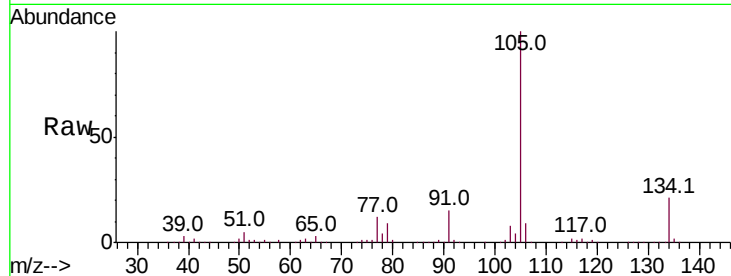
#85
 sec-Butylbenzene
 Concen: 46.415 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.1

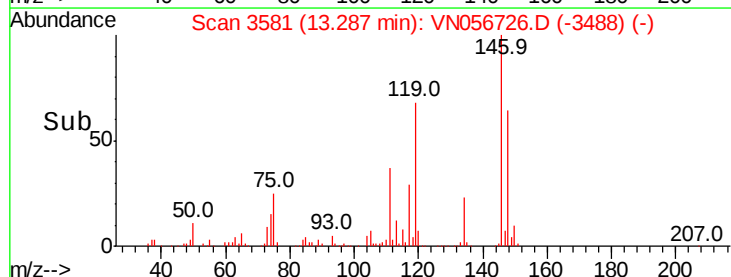
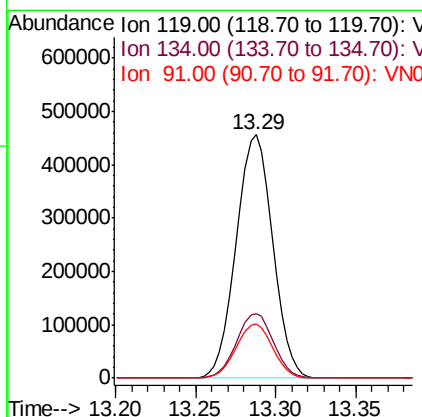
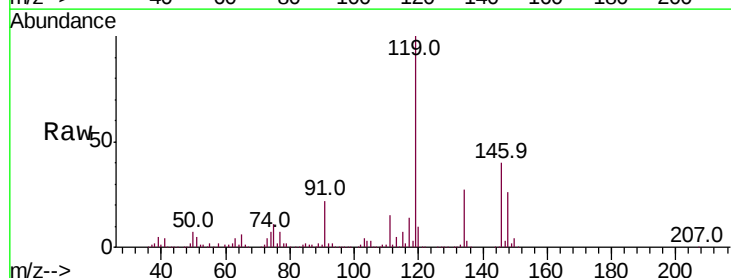
Manual Integrations
 APPROVED

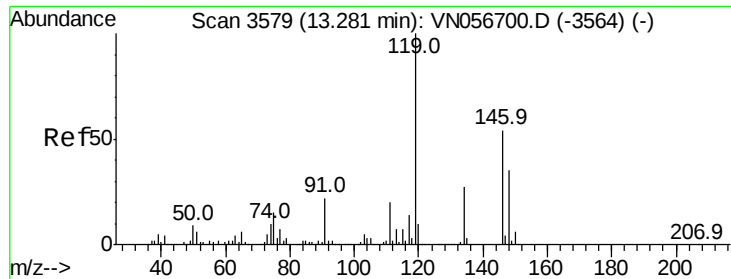
MMDadoda
 7/17/2019 1:31:46 AM



#86
 p-Isopropyltoluene
 Concen: 46.707 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.6	40.7
91	22.4	11.2	33.5





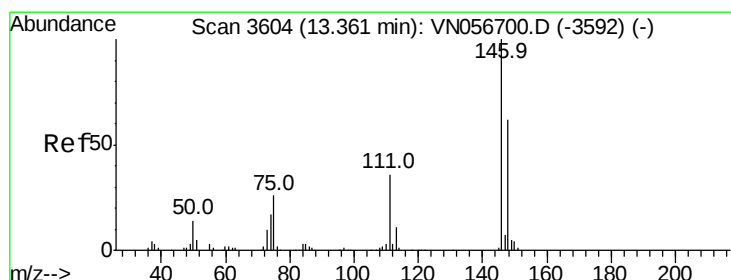
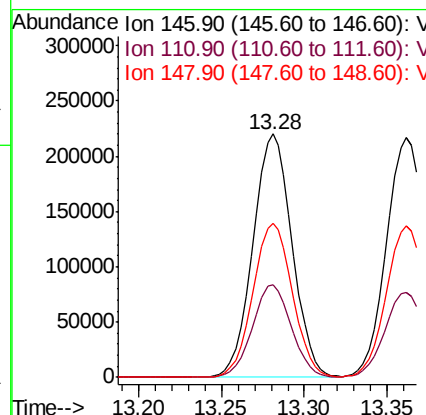
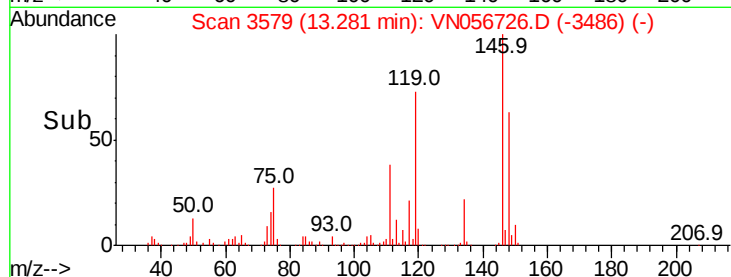
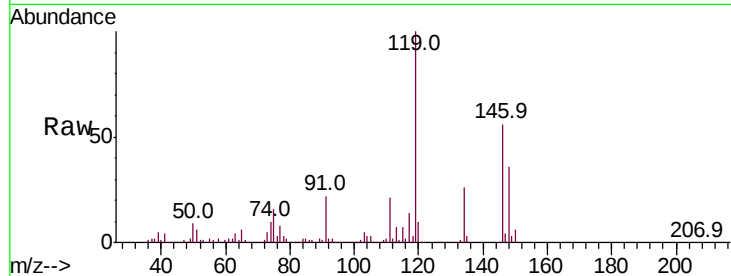
#87
 1,3-Dichlorobenzene
 Concen: 47.451 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	63.8	32.3	96.8

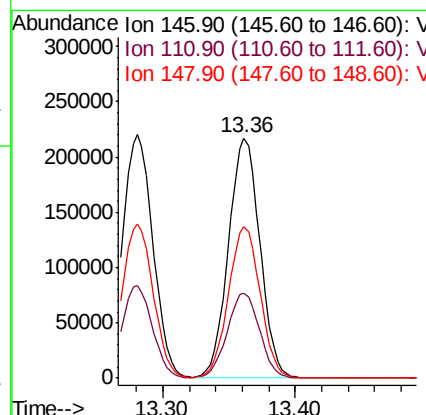
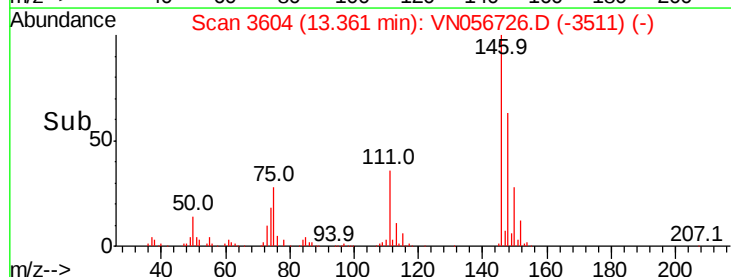
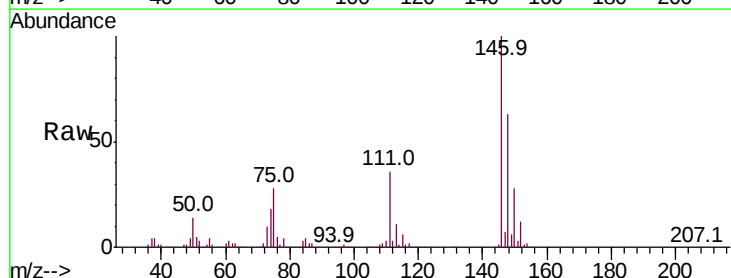
Manual Integrations
 APPROVED

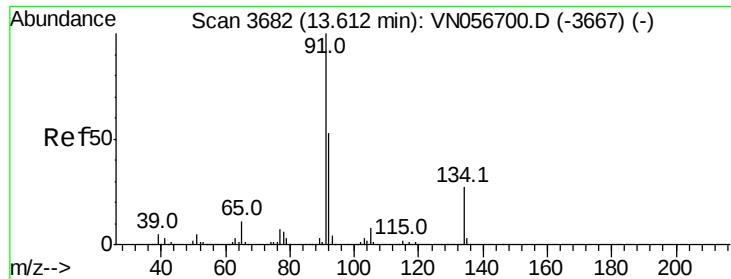
MMDadoda
 7/17/2019 1:31:46 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.294 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.6	55.8
148	63.8	31.9	95.7





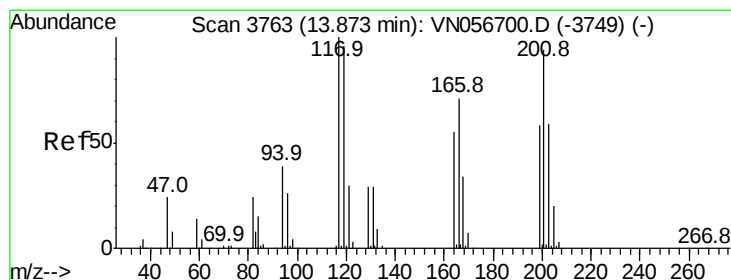
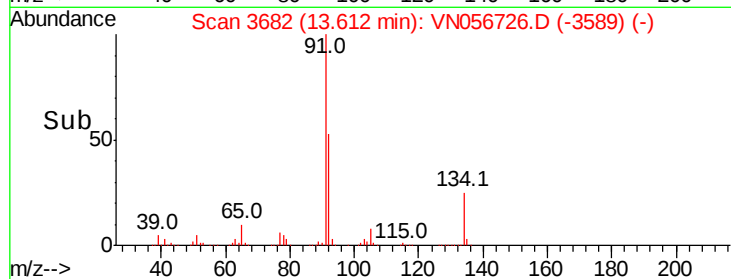
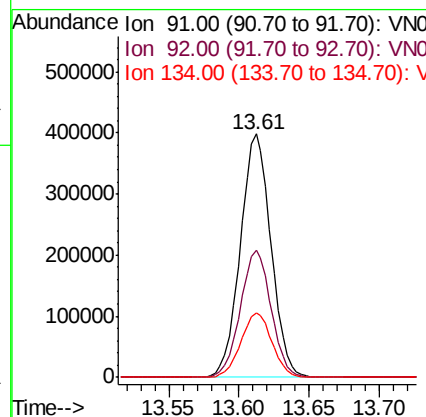
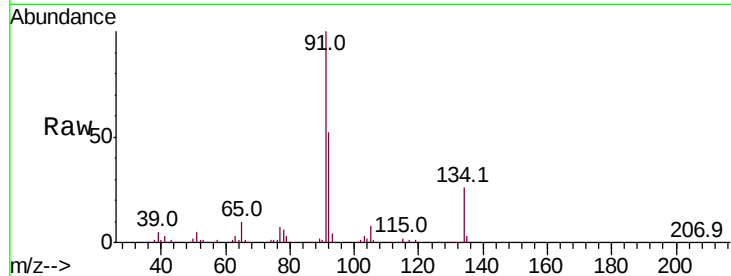
#89
n-Butylbenzene
Concen: 49.501 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	26.8	13.4	40.2

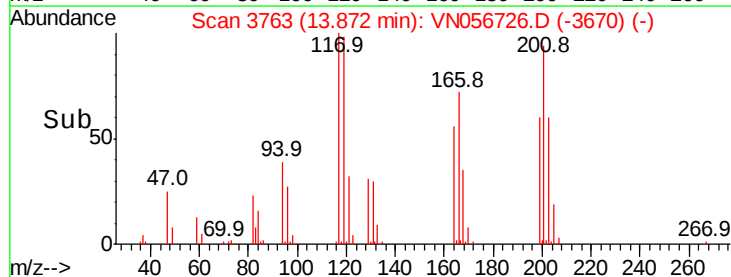
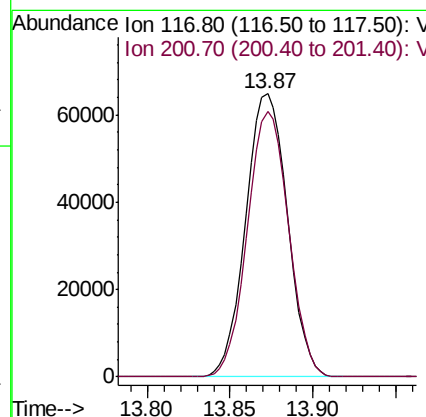
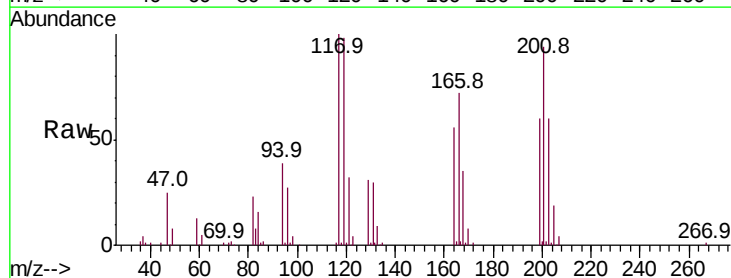
Manual Integrations
APPROVED

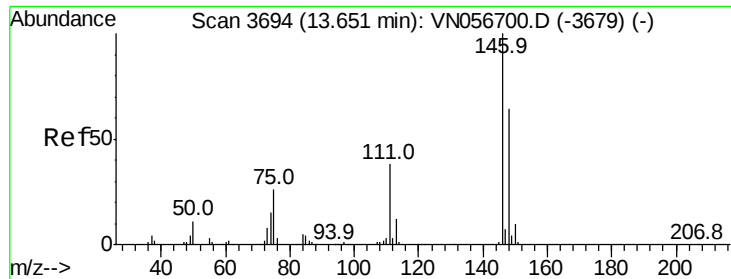
MMDadoda
7/17/2019 1:31:46 AM



#90
Hexachloroethane
Concen: 46.488 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.3	46.5	139.5





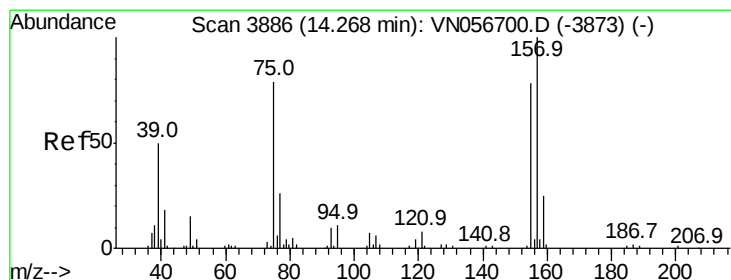
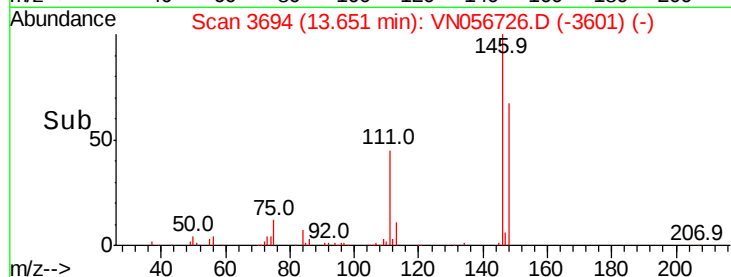
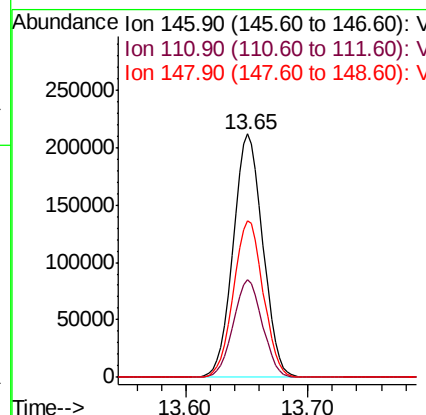
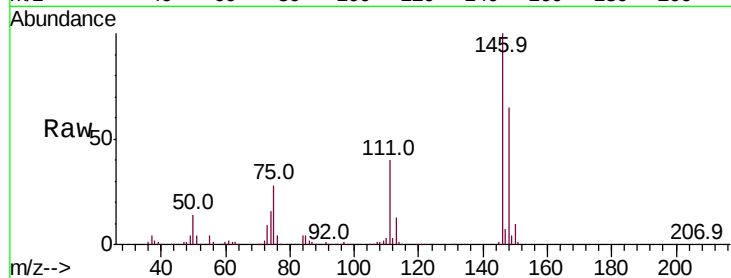
#91
 1,2-Dichlorobenzene
 Concen: 45.980 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.1
148	64.5	31.7	95.1

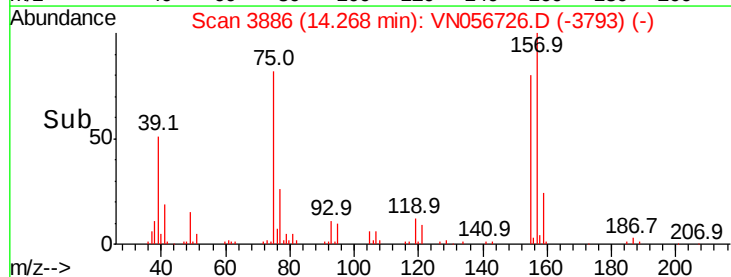
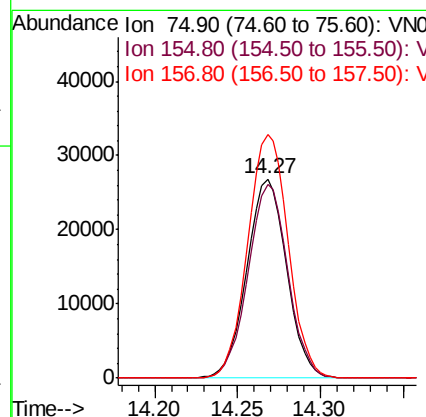
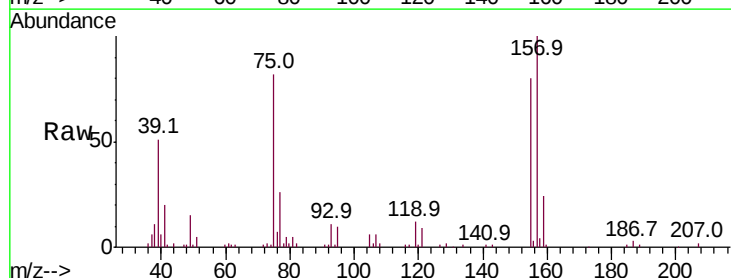
Manual Integrations
 APPROVED

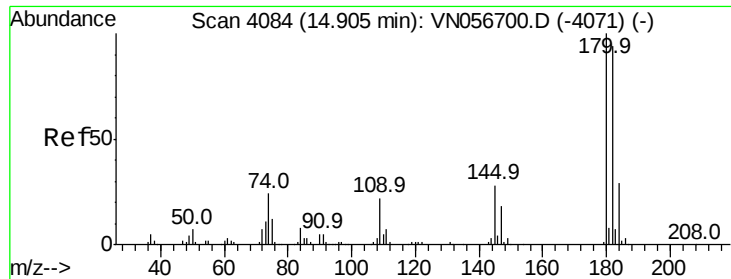
MMDadoda
 7/17/2019 1:31:46 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.109 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	49.3	147.9
157	124.3	62.4	187.1





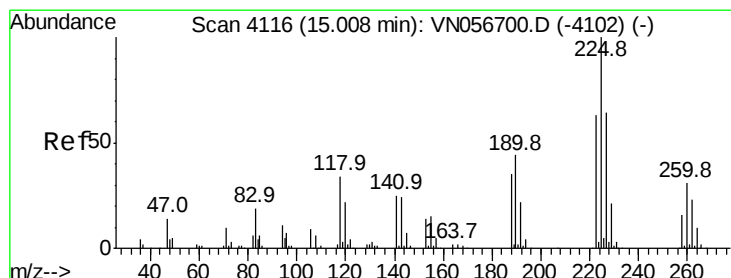
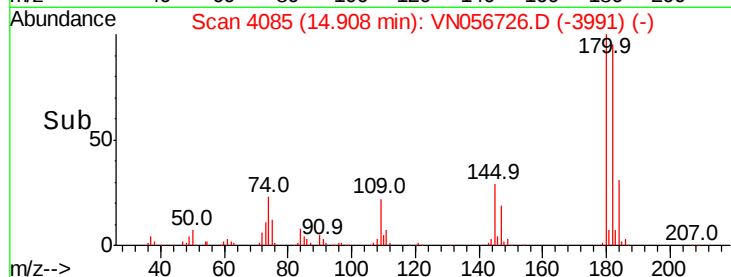
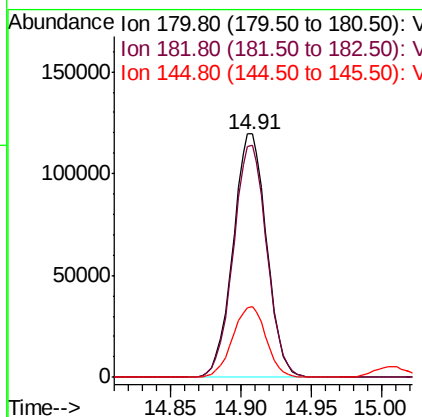
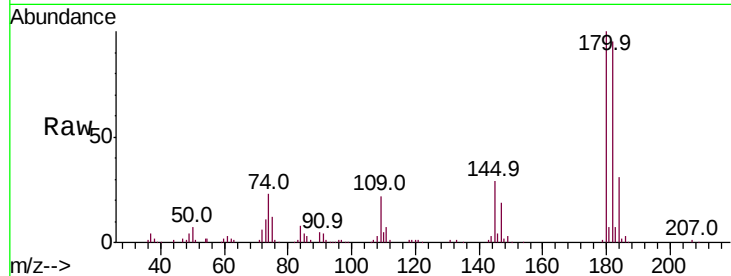
#93
 1,2,4-Trichlorobenzene
 Concen: 46.403 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.2	141.6	
145	29.1	14.2	42.8	

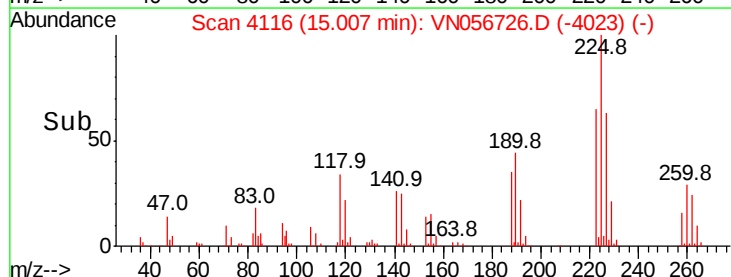
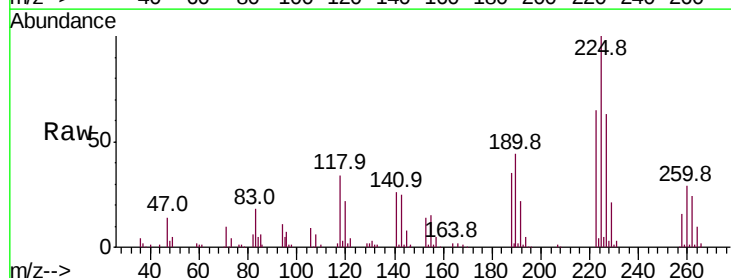
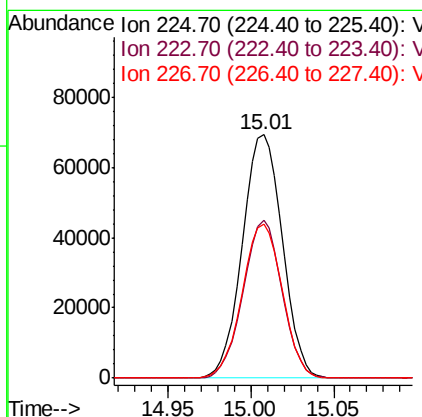
Manual Integrations
 APPROVED

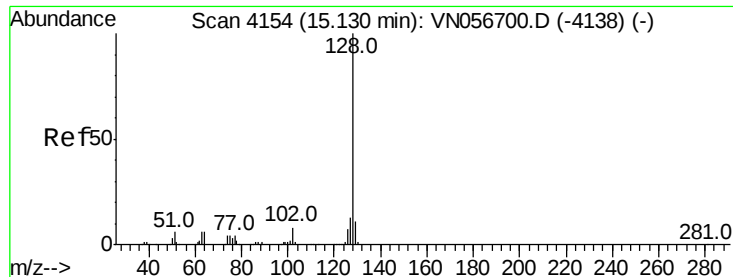
MMDadoda
 7/17/2019 1:31:46 AM



#94
 Hexachlorobutadiene
 Concen: 47.611 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056726.D
 Acq: 15 Jul 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	31.5	94.5	
227	63.3	32.0	96.2	





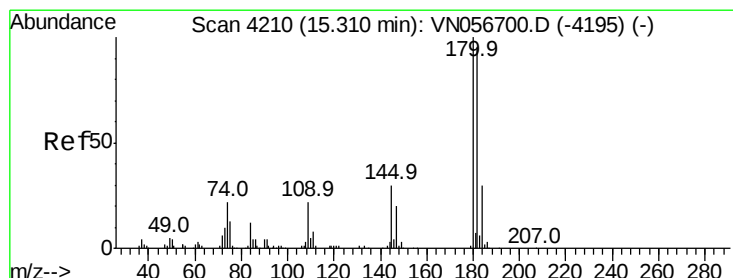
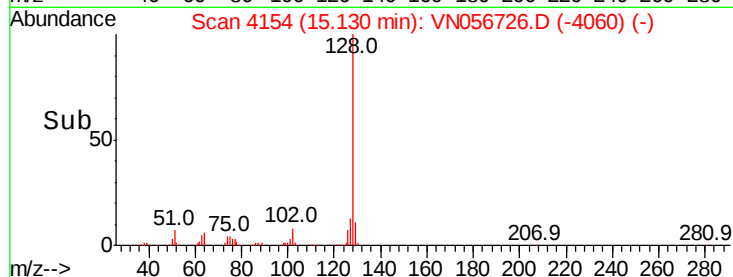
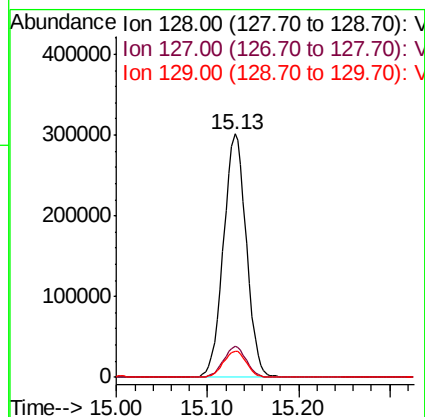
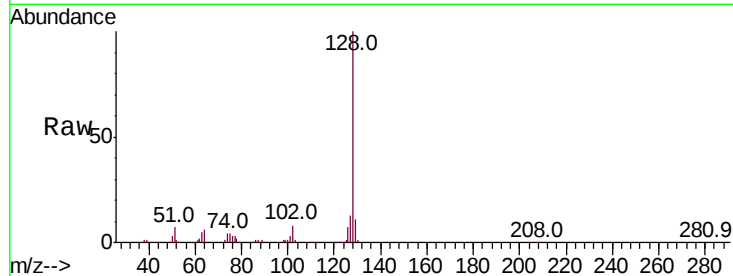
#95
Naphthalene
Concen: 44.888 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	524618
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:46 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.757 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN056726.D
Acq: 15 Jul 2019 21:05

Tgt Ion:	180	Resp:	199037
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.1	141.3
145	30.0	15.0	45.1

