

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058700.D
 Acq On : 11 Oct 2019 13:50
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:23 AM

Quant Time: Oct 12 00:05:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	514342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	835866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	771149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	378492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	359216	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	7.57	113	262374	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.09	98	1042925	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	393374	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	313842	48.993	ug/l	99
3) Chloromethane	2.04	50	360918	47.381	ug/l	99
4) Vinyl Chloride	2.17	62	373212	49.193	ug/l	99
5) Bromomethane	2.55	94	224444	48.632	ug/l	100
6) Chloroethane	2.68	64	222658	47.581	ug/l	98
7) Trichlorofluoromethane	3.00	101	441226	48.595	ug/l	99
8) Diethyl Ether	3.39	74	164104	48.917	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	247383	47.784	ug/l	98
10) Methyl Iodide	3.93	142	343707	48.651	ug/l	99
11) Tert butyl alcohol	4.75	59	292938	251.197	ug/l	100
12) 1,1-Dichloroethene	3.72	96	241706	48.933	ug/l	94
13) Acrolein	3.58	56	228716	243.862	ug/l	99
14) Allyl chloride	4.30	41	484342m	48.588	ug/l	
15) Acrylonitrile	4.96	53	764356	259.907	ug/l	100
16) Acetone	3.79	43	748955	251.239	ug/l	98
17) Carbon Disulfide	4.03	76	749030	47.439	ug/l	99
18) Methyl Acetate	4.30	43	376585	49.802	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	890649	50.496	ug/l	96
20) Methylene Chloride	4.53	84	280338	44.996	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	264054	47.791	ug/l	99
22) Diisopropyl ether	5.92	45	954795	49.263	ug/l	100
23) Vinyl Acetate	5.87	43	4194869	268.229	ug/l	99
24) 1,1-Dichloroethane	5.82	63	535858	48.544	ug/l	99
25) 2-Butanone	6.81	43	1110076	257.630	ug/l	99
26) 2,2-Dichloropropane	6.80	77	467871	46.433	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	306040	47.499	ug/l	99
28) Bromochloromethane	7.17	49	188669	49.130	ug/l	100
29) Tetrahydrofuran	7.19	42	728653	261.684	ug/l	100
30) Chloroform	7.35	83	517954	46.703	ug/l	100
31) Cyclohexane	7.63	56	491377	46.524	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	454878	48.094	ug/l	99
36) 1,1-Dichloropropene	7.77	75	402699	47.650	ug/l	100
37) Ethyl Acetate	6.91	43	447291	52.333	ug/l	98
38) Carbon Tetrachloride	7.75	117	400611	48.638	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058700.D
 Acq On : 11 Oct 2019 13:50
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:23 AM

Quant Time: Oct 12 00:05:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	481529	49.102	ug/l	98
40) Benzene	8.02	78	1166847	48.074	ug/l	100
41) Methacrylonitrile	7.16	41	212229m	53.046	ug/l	
42) 1,2-Dichloroethane	8.11	62	446958	47.932	ug/l	99
43) Isopropyl Acetate	8.15	43	731841	50.263	ug/l	100
44) Trichloroethene	8.82	130	288598	47.881	ug/l	98
45) 1,2-Dichloropropane	9.11	63	313081	48.184	ug/l	98
46) Dibromomethane	9.20	93	200114	48.577	ug/l	99
47) Bromodichloromethane	9.39	83	410266	48.906	ug/l	99
48) Methyl methacrylate	9.19	41	334893	50.741	ug/l	98
49) 1,4-Dioxane	9.19	88	92386	904.813	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2257876	276.120	ug/l	100
52) Toluene	10.15	92	731227	49.257	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	482984	50.199	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	514859	50.400	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	282504	46.495	ug/l	99
56) Ethyl methacrylate	10.43	69	479848	54.058	ug/l	97
57) 1,3-Dichloropropane	10.70	76	504806	48.755	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1023002	239.142	ug/l	99
59) 2-Hexanone	10.75	43	1753701	277.513	ug/l	99
60) Dibromochloromethane	10.90	129	313153	49.962	ug/l	99
61) 1,2-Dibromoethane	11.00	107	301595	49.546	ug/l	99
64) Tetrachloroethene	10.63	164	254460	47.151	ug/l	97
65) Chlorobenzene	11.43	112	768151	49.050	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	285802	49.354	ug/l	100
67) Ethyl Benzene	11.51	91	1429938	51.223	ug/l	99
68) m/p-Xylenes	11.62	106	1063094	101.478	ug/l	100
69) o-Xylene	11.95	106	509037	50.222	ug/l	98
70) Styrene	11.97	104	847357	51.007	ug/l	100
71) Bromoform	12.13	173	223385	52.628	ug/l #	100
73) Isopropylbenzene	12.25	105	1398493	51.019	ug/l	99
74) N-amyl acetate	12.07	43	663553	53.897	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	447507	49.557	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	402152m	48.433	ug/l	
77) Bromobenzene	12.53	156	324726	48.704	ug/l	100
78) n-propylbenzene	12.59	91	1653834	51.777	ug/l	100
79) 2-Chlorotoluene	12.68	91	963034	48.576	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1191643	50.920	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	165864	53.509	ug/l	96
82) 4-Chlorotoluene	12.78	91	1012398	49.765	ug/l	100
83) tert-Butylbenzene	13.00	119	1008685	50.314	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1186271	51.062	ug/l	99
85) sec-Butylbenzene	13.18	105	1366628	51.734	ug/l	100
86) p-Isopropyltoluene	13.29	119	1242422	51.748	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	598252	48.654	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	593725	47.492	ug/l	99
89) n-Butylbenzene	13.62	91	1143616	51.514	ug/l	100
90) Hexachloroethane	13.88	117	216519	50.401	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	582663	48.620	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	102874	48.764	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
Data File : VN058700.D
Acq On : 11 Oct 2019 13:50
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM

Quant Time: Oct 12 00:05:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	367469	50.266	ug/l	99
94) Hexachlorobutadiene	15.02	225	189288	49.169	ug/l	99
95) Naphthalene	15.13	128	1110936	52.877	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	355985	49.877	ug/l	100

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

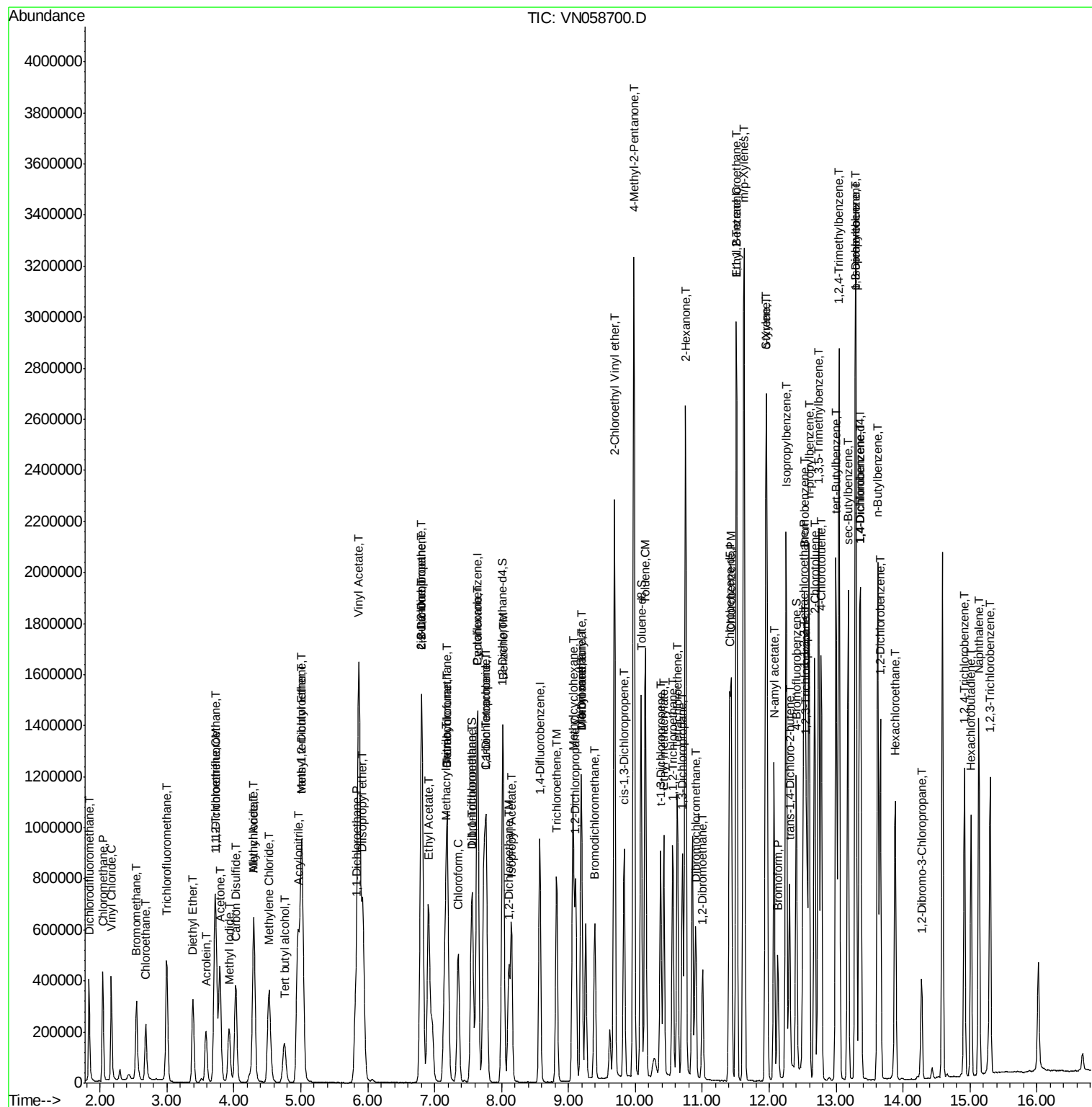
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101319\
Data File : VN058700.D
Acq On : 11 Oct 2019 13:50
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

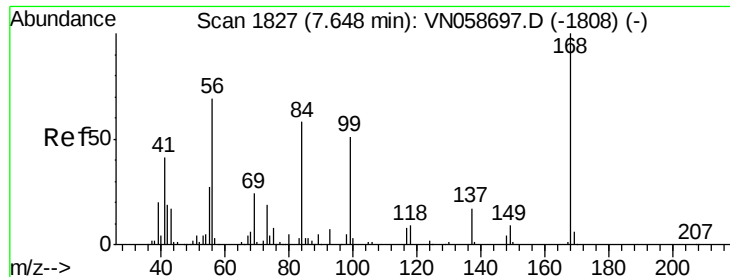
Instrument :
MSVOA_N
Client Sampled :
ICVVN101319

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM

Quant Time: Oct 12 00:05:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101319

Tot Ion:168 Resp: 514342

Ion Ratio Lower Upper

168 100

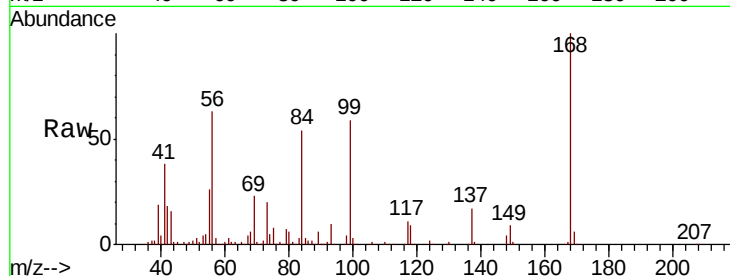
99 58.5 47.5 71.3

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:48:23 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

250000

200000

150000

100000

50000

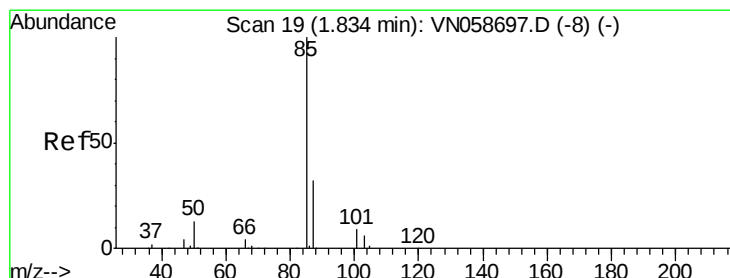
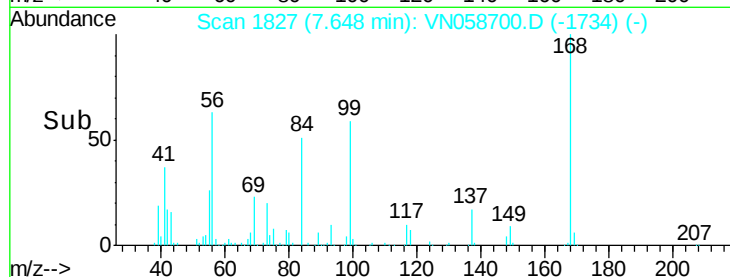
0

7.60

7.65

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.993 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058700.D

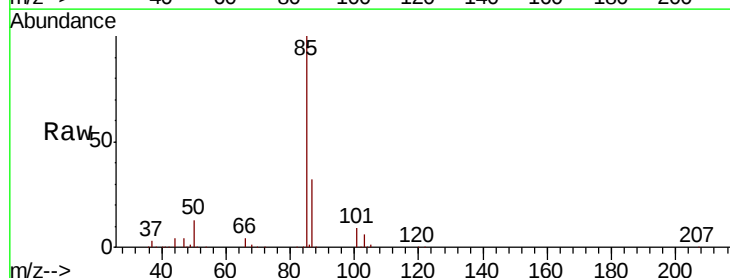
Acq: 11 Oct 2019 13:50

Tgt Ion: 85 Resp: 313842

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

150000

100000

50000

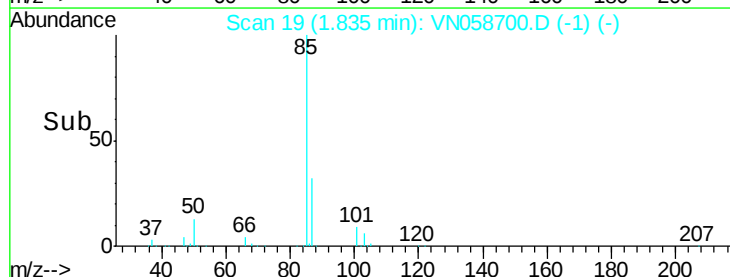
0

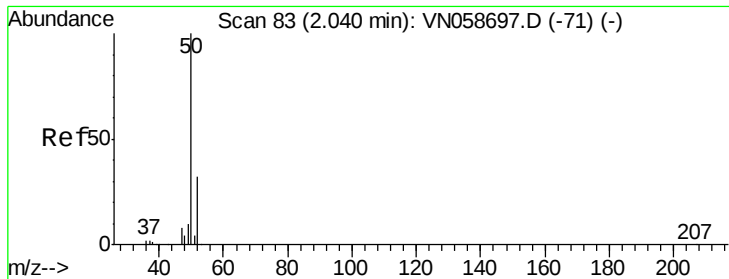
1.80

1.83

1.90

Time-->





#3

Chloromethane

Concen: 47.381 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101319

Tot Ion: 50 Resp: 360918

Ion Ratio Lower Upper

50 100

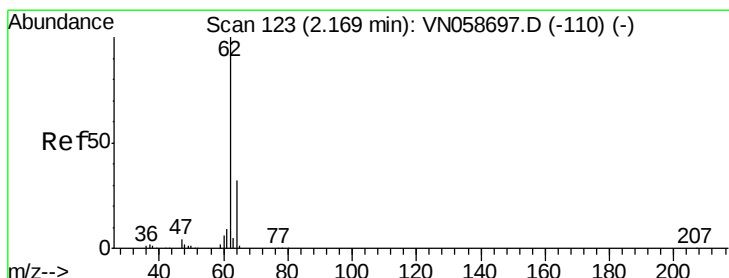
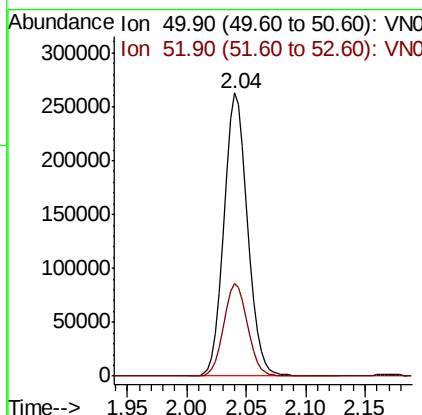
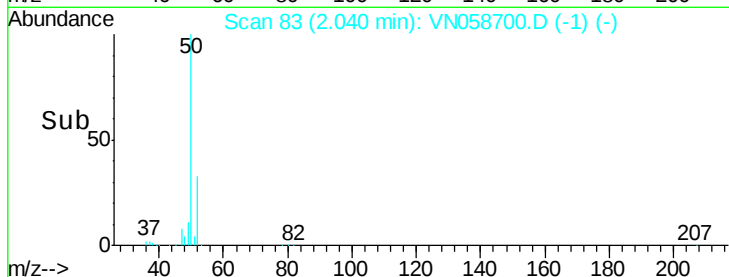
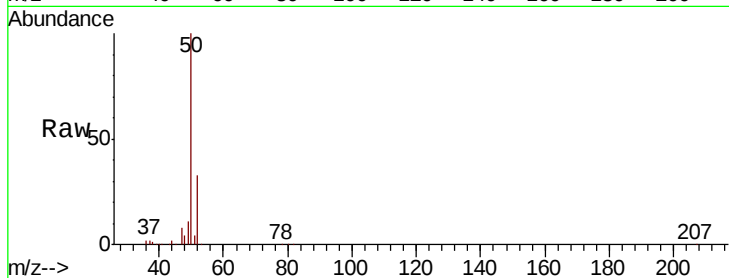
52 32.8 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:48:23 AM



#4

Vinyl Chloride

Concen: 49.193 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058700.D

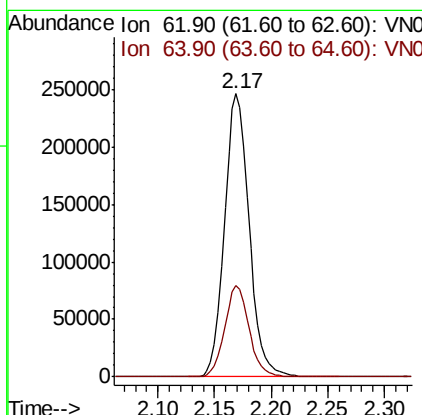
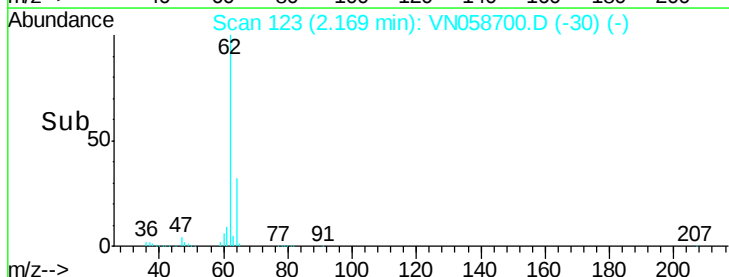
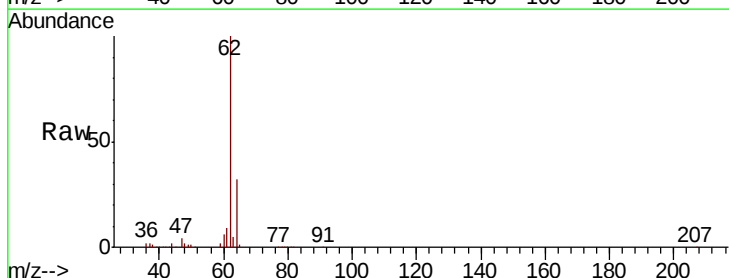
Acq: 11 Oct 2019 13:50

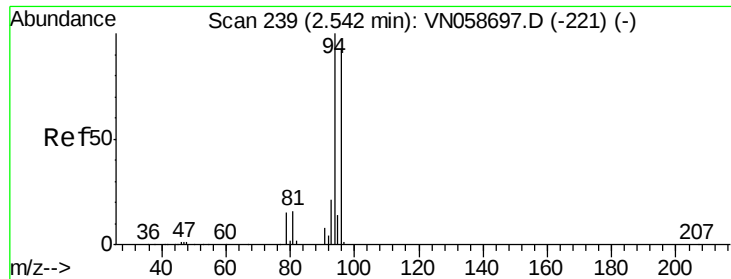
Tgt Ion: 62 Resp: 373212

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9





#5

Bromomethane

Concen: 48.632 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101319

Tot Ion: 94 Resp: 224444

Ion Ratio Lower Upper

94 100

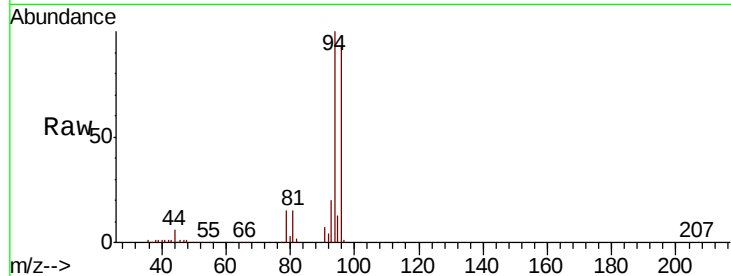
96 92.9 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:48:23 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

120000

100000

80000

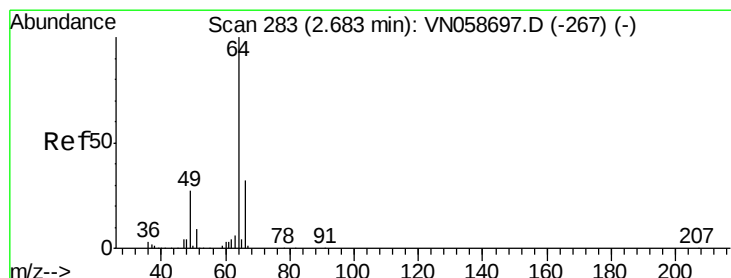
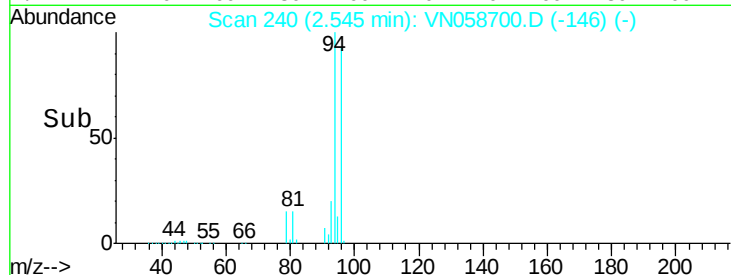
60000

40000

20000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 47.581 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058700.D

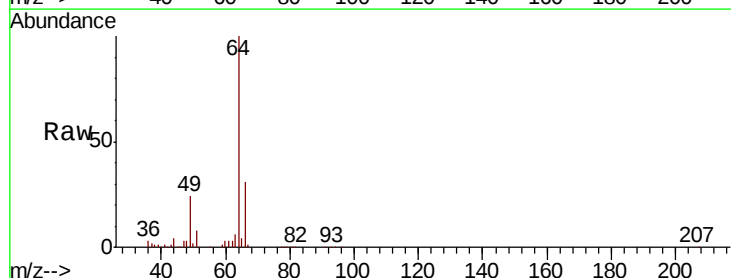
Acq: 11 Oct 2019 13:50

Tgt Ion: 64 Resp: 222658

Ion Ratio Lower Upper

64 100

66 30.6 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

120000

100000

80000

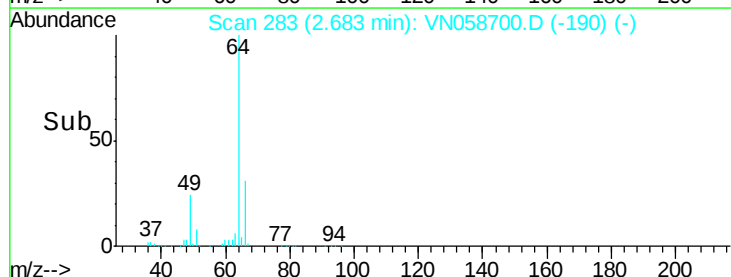
60000

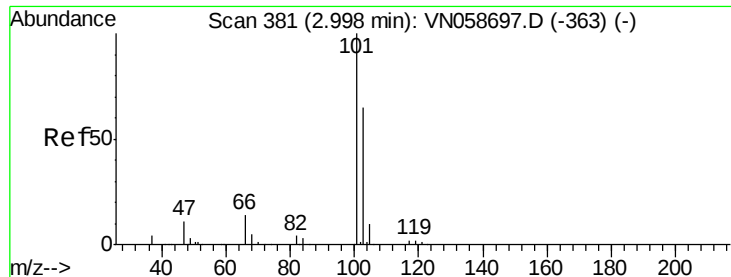
40000

20000

0

Time--> 2.60 2.70 2.80





#7

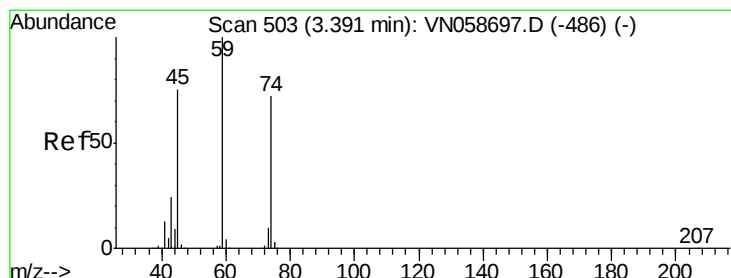
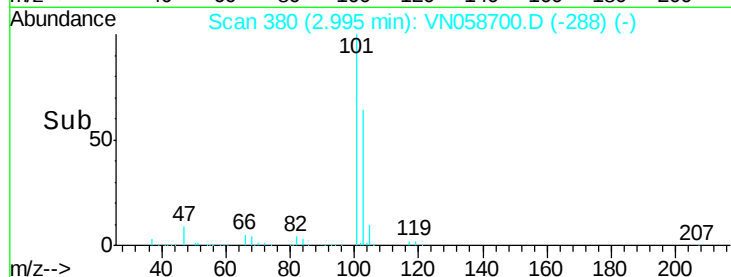
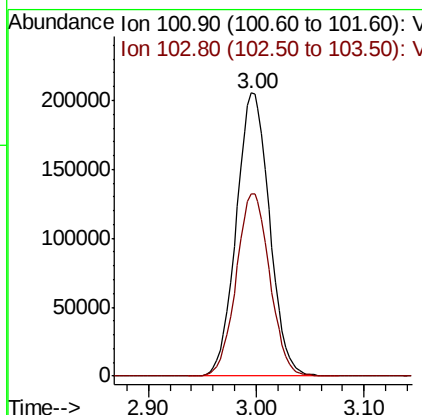
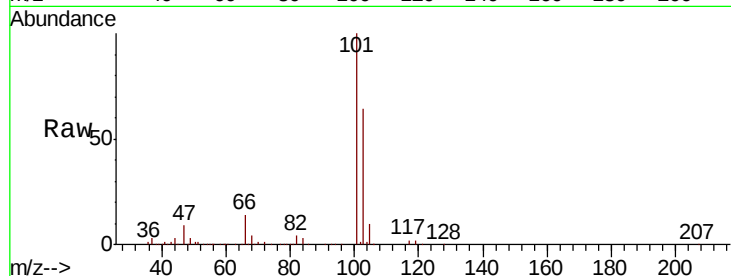
Trichlorofluoromethane
 Concen: 48.595 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.8	77.6

Manual Integrations
 APPROVED

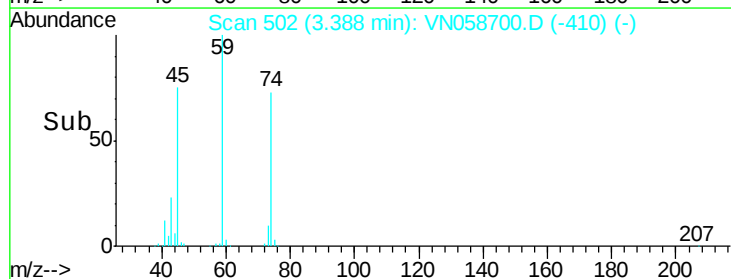
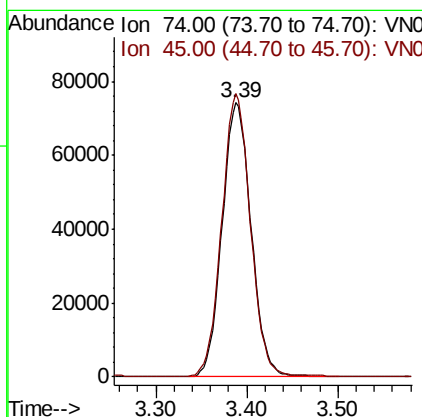
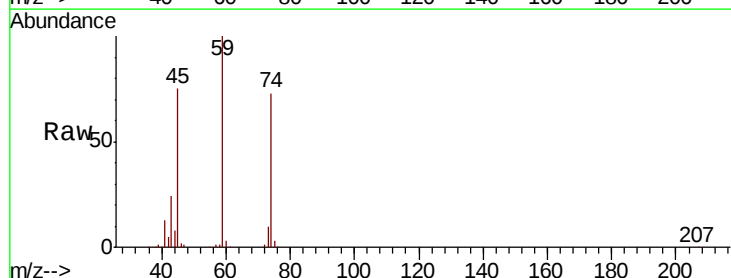
MMDadoda
 10/16/2019 12:48:23 AM

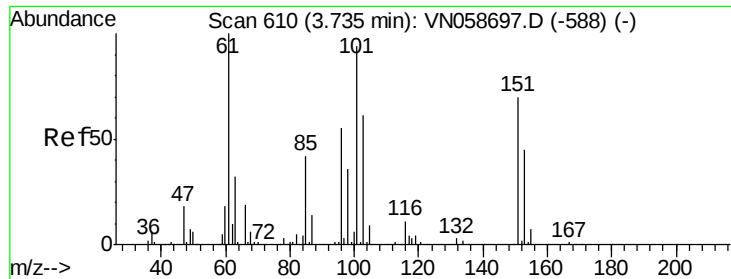


#8

Diethyl Ether
 Concen: 48.917 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.6	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.784 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

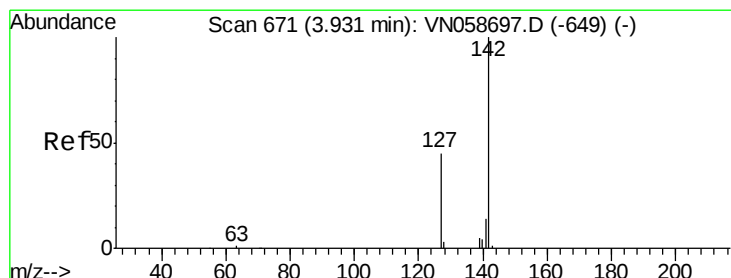
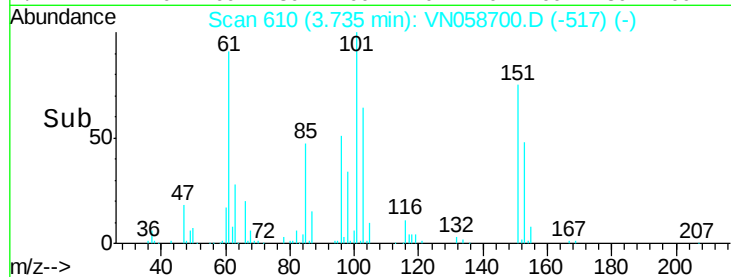
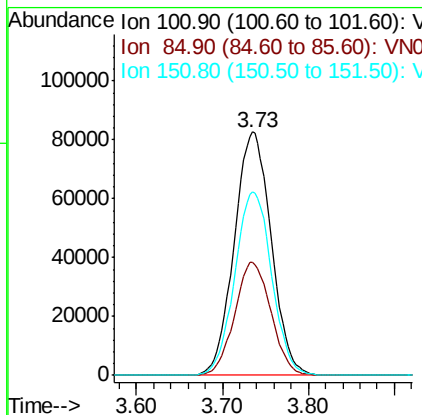
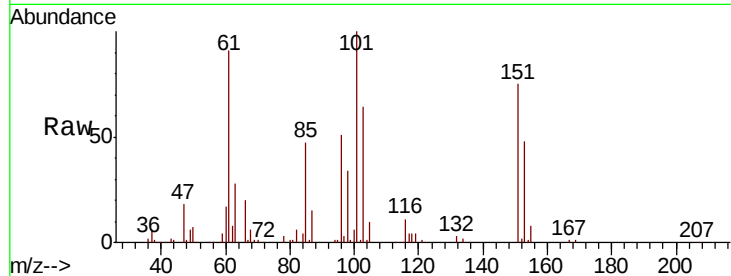
ClientSampleId :

ICVVN101319

Tot Ion:	101	Resp:	247383
Ion Ratio	Lower	Upper	
101	100		
85	45.7	37.0	55.6
151	75.0	61.8	92.6

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#10

Methyl Iodide

Concen: 48.651 ug/l

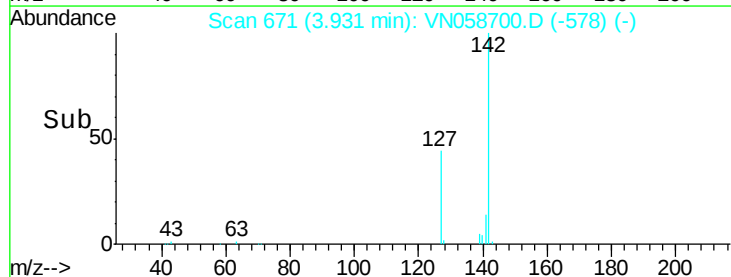
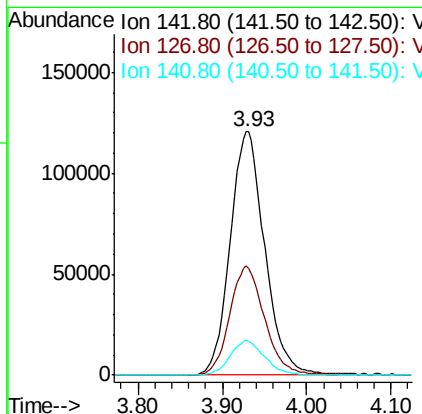
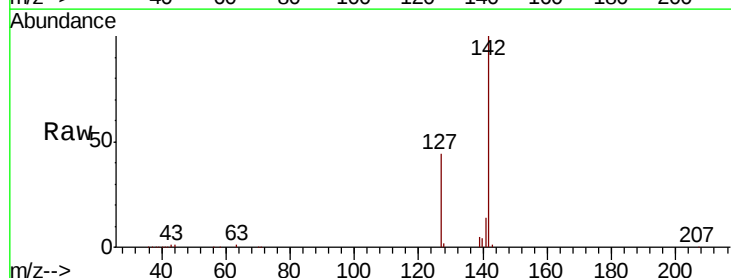
RT: 3.93 min Scan# 671

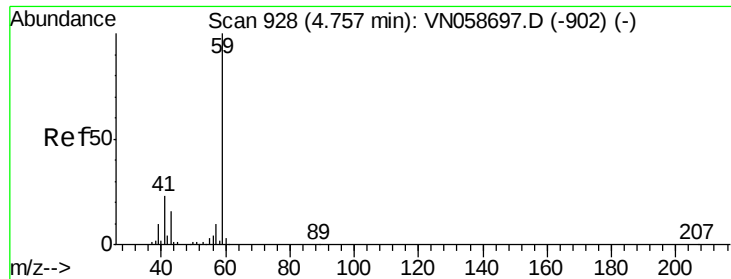
Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Tgt Ion:	142	Resp:	343707
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.4	54.6
141	14.2	11.1	16.7





#11

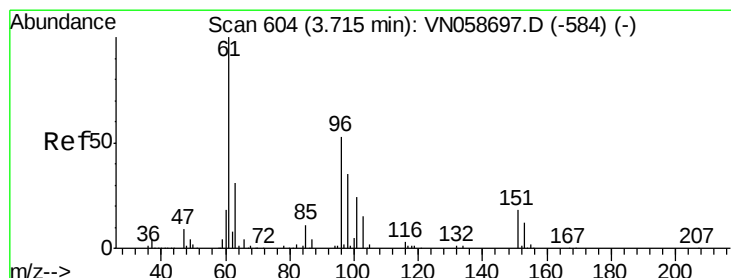
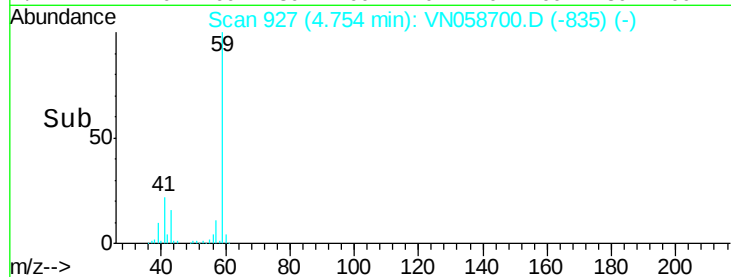
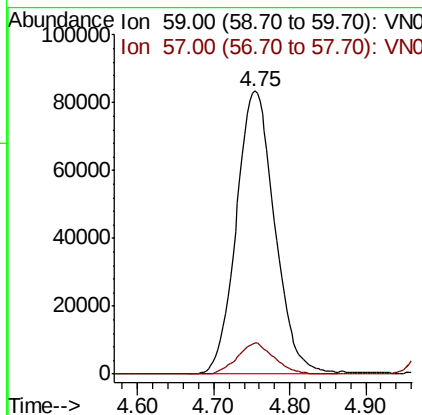
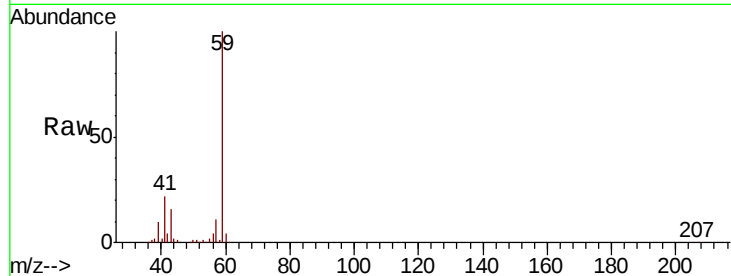
Tert butyl alcohol
 Concen: 251.197 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

Tot Ion	Ratio	Resp	Lower	Upper
59	100	292938		
57	10.6		8.4	12.6

Manual Integrations
 APPROVED

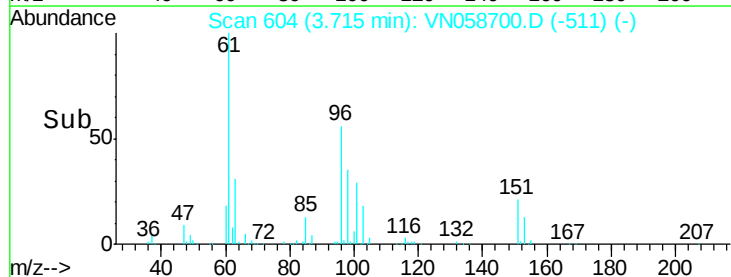
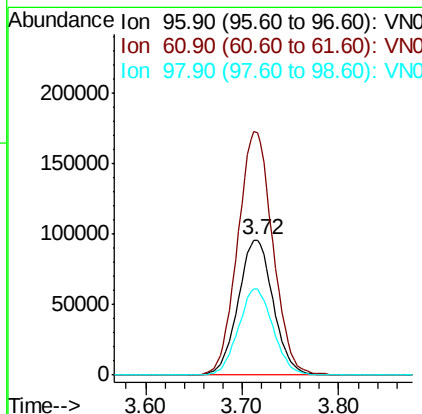
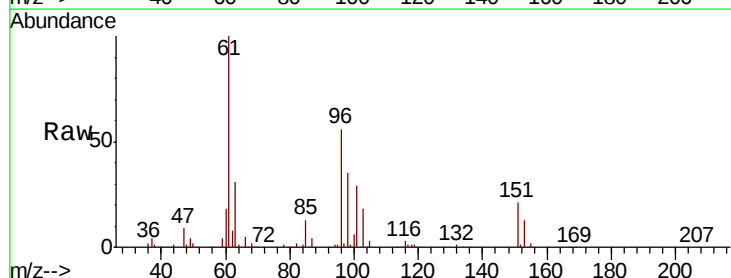
MMDadoda
 10/16/2019 12:48:23 AM

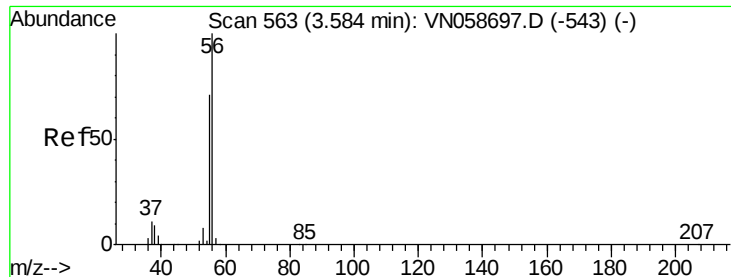


#12

1,1-Dichloroethene
 Concen: 48.933 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	241706		
61	179.3		151.3	226.9
98	63.5		52.6	78.8





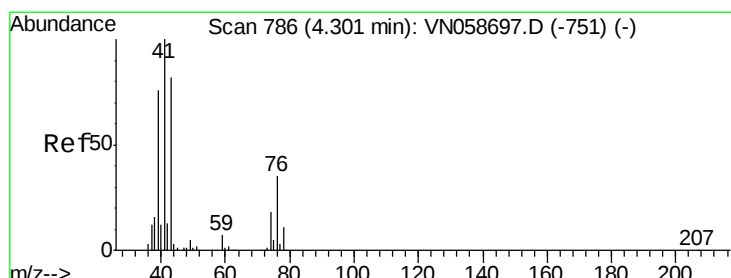
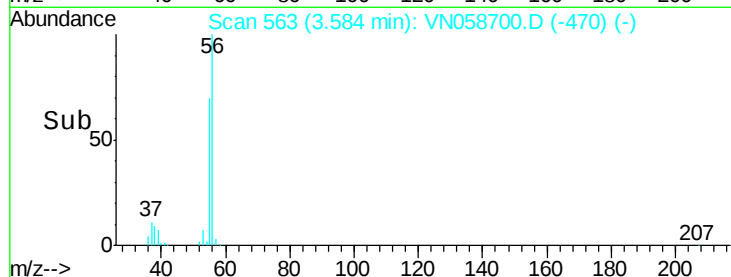
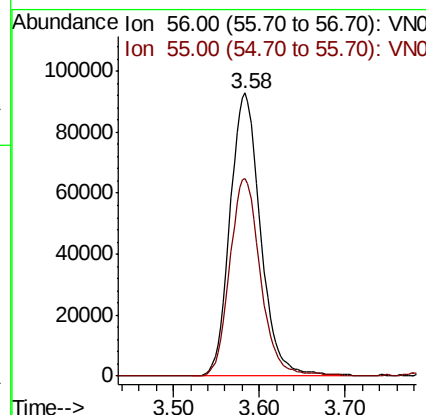
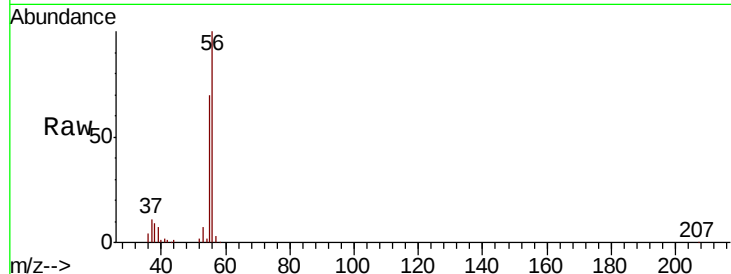
#13
Acrolein
Concen: 243.862 ug/l
RT: 3.58 min Scan# 563
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion	56	Resp	228716
Ion Ratio	Lower	Upper	
56	100		
55	70.4	56.7	85.1

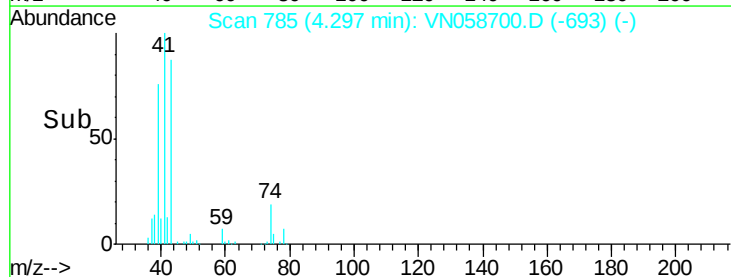
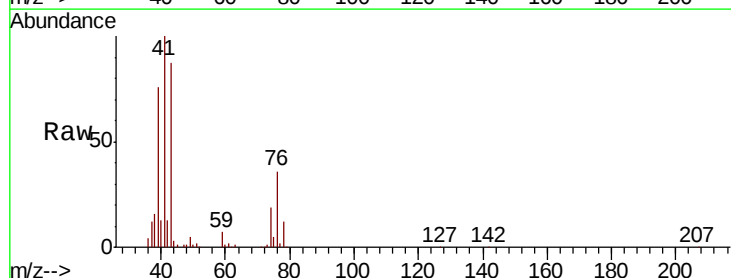
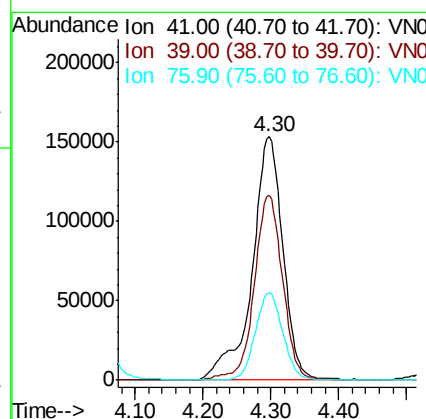
Manual Integrations
APPROVED

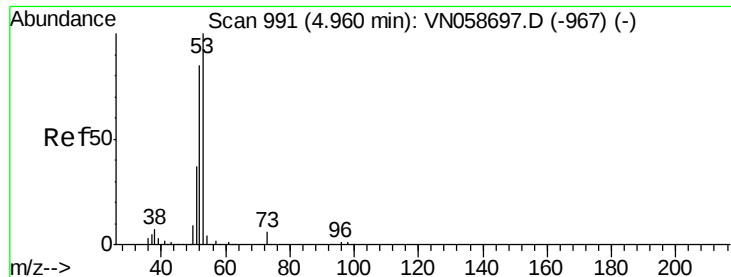
MMDadoda
10/16/2019 12:48:23 AM



#14
Allyl chloride
Concen: 48.588 ug/l m
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion	41	Resp	484342
Ion Ratio	Lower	Upper	
41	100		
39	69.5	57.2	85.8
76	31.4	25.0	37.6





#15

Acrylonitrile

Concen: 259.907 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

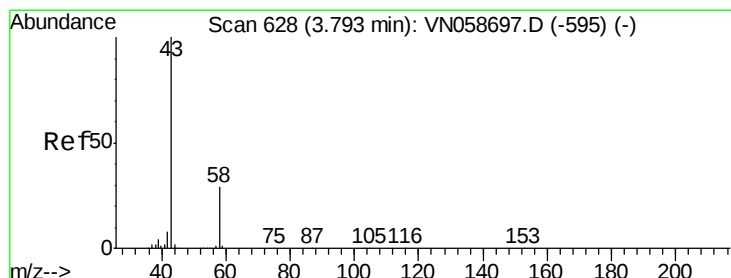
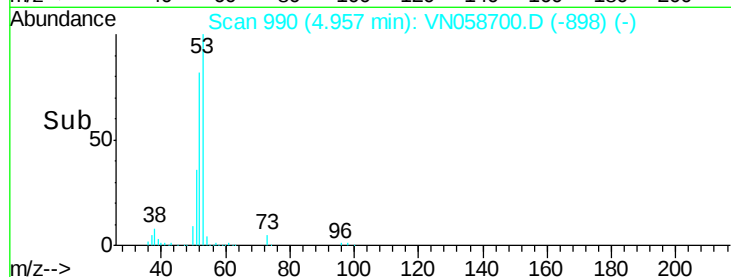
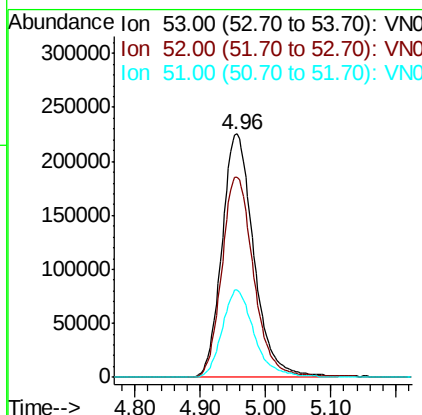
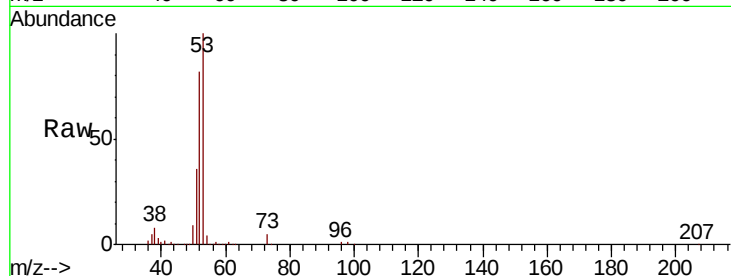
ClientSampleId :

ICVVN101319

Tot Ion:	53	Resp:	764356
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.2	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#16

Acetone

Concen: 251.239 ug/l

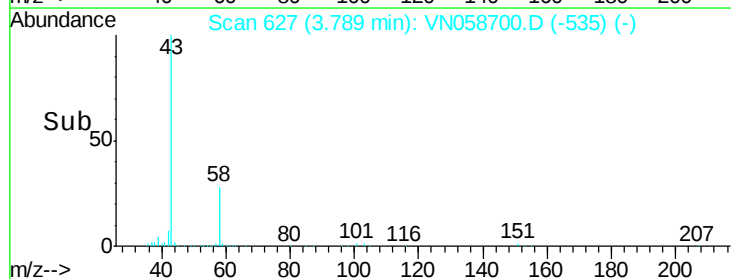
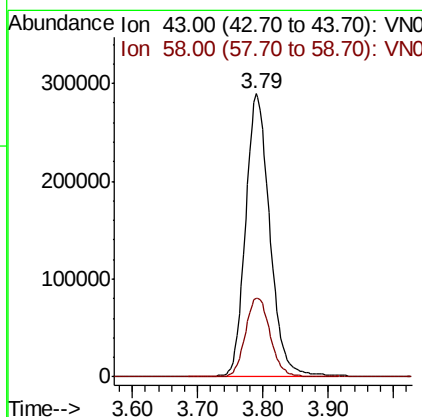
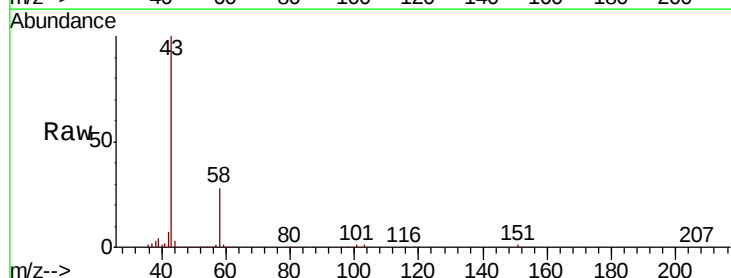
RT: 3.79 min Scan# 627

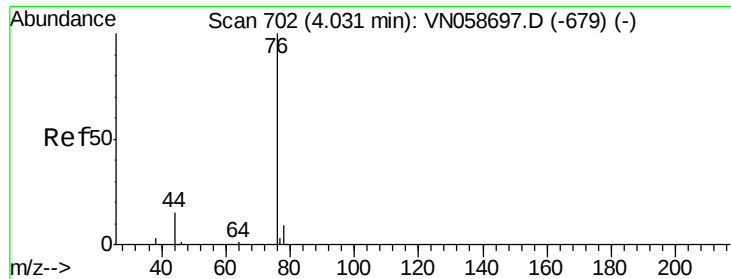
Delta R.T. -0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Tgt Ion:	43	Resp:	748955
Ion	Ratio	Lower	Upper
43	100		
58	27.9	23.3	34.9





#17

Carbon Disulfide

Concen: 47.439 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101319

Tot Ion: 76 Resp: 749030

Ion Ratio Lower Upper

76 100

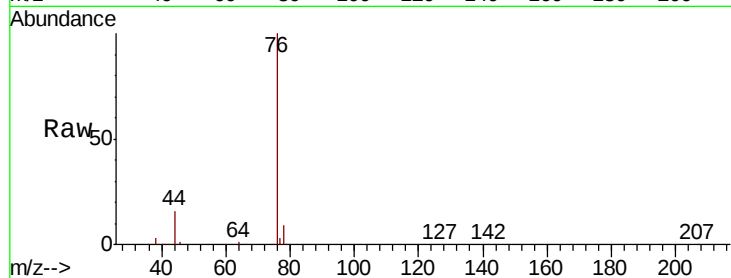
78 9.2 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:48:23 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

300000

250000

200000

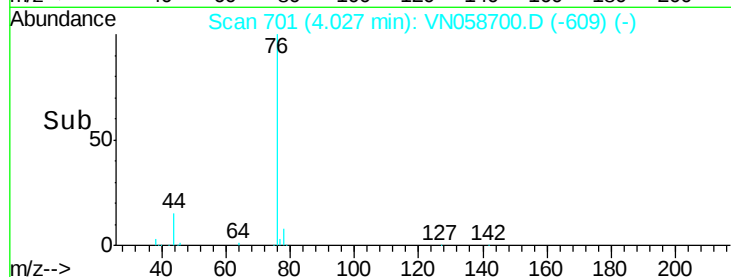
150000

100000

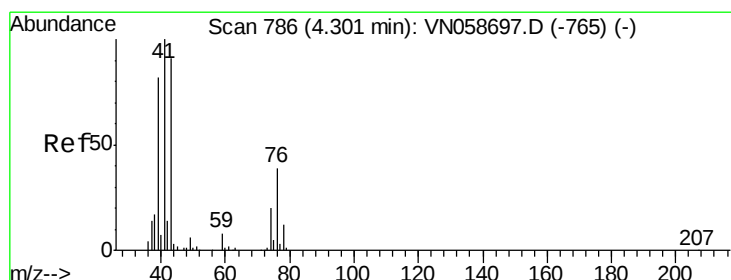
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 49.802 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058700.D

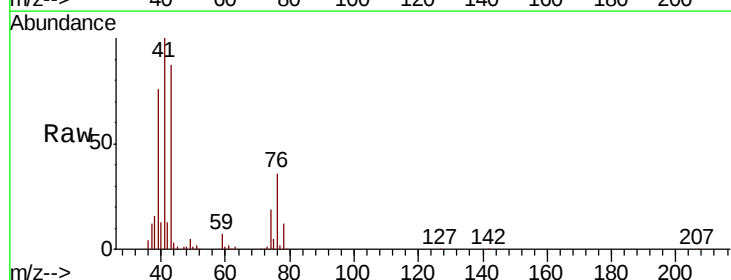
Acq: 11 Oct 2019 13:50

Tgt Ion: 43 Resp: 376585

Ion Ratio Lower Upper

43 100

74 22.2 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

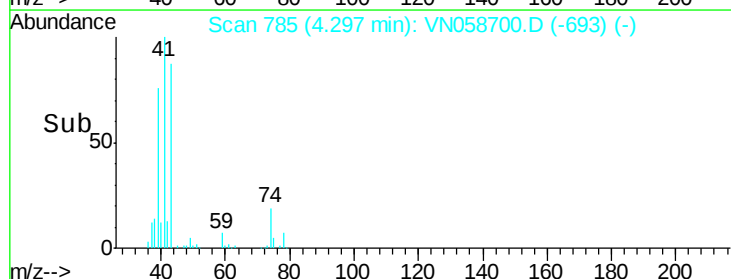
150000

100000

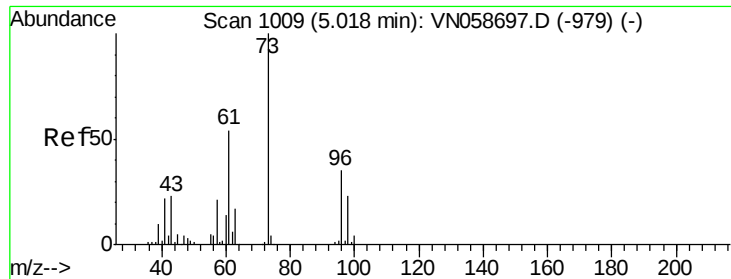
50000

0

Time-->



Time-->



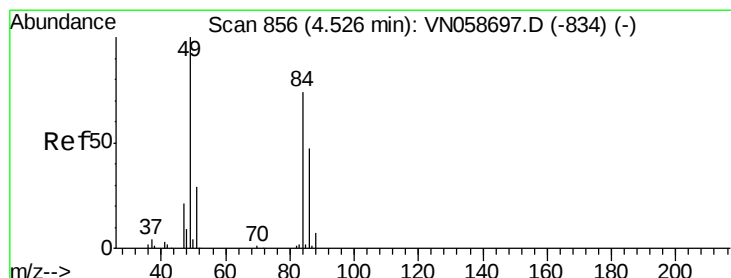
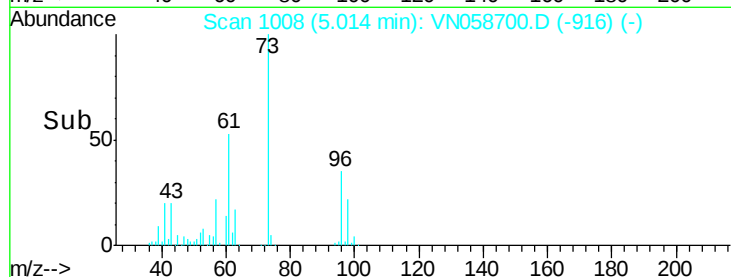
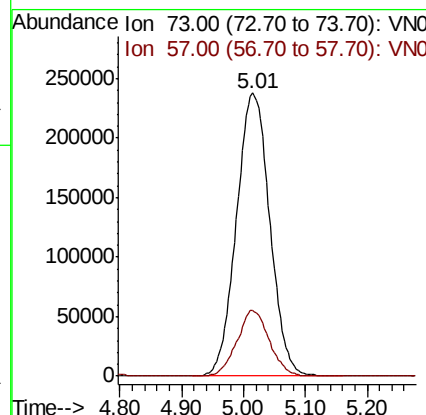
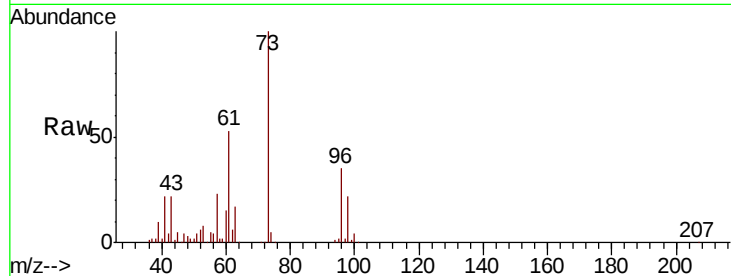
#19
Methyl tert-butyl Ether
Concen: 50.496 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion: 73 Resp: 890649
Ion Ratio Lower Upper
73 100
57 23.3 17.0 25.6

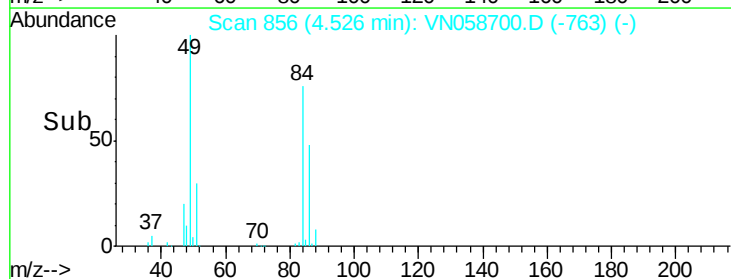
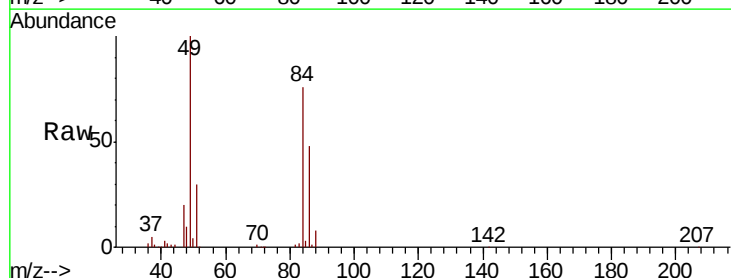
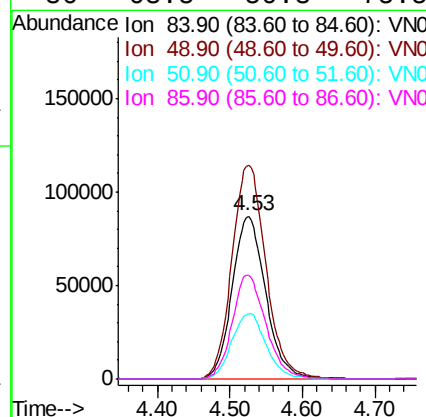
Manual Integrations
APPROVED

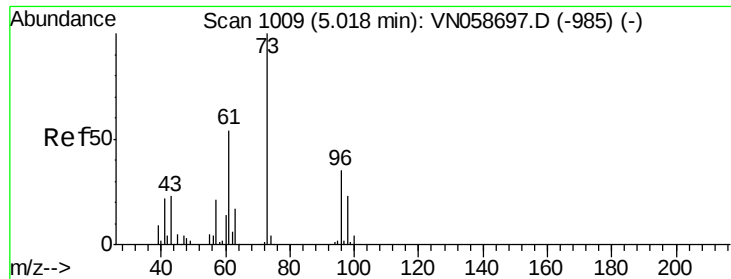
MMDadoda
10/16/2019 12:48:23 AM



#20
Methylene Chloride
Concen: 44.996 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion: 84 Resp: 280338
Ion Ratio Lower Upper
84 100
49 130.9 107.6 161.4
51 39.9 31.4 47.0
86 63.5 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 47.791 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

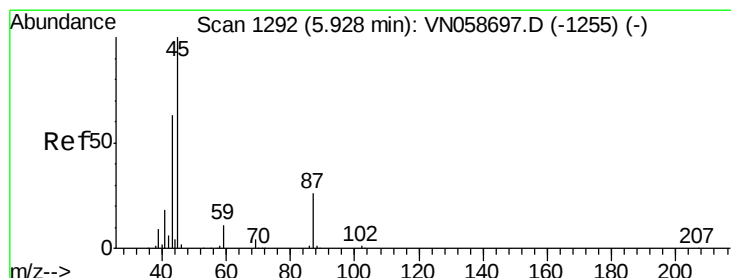
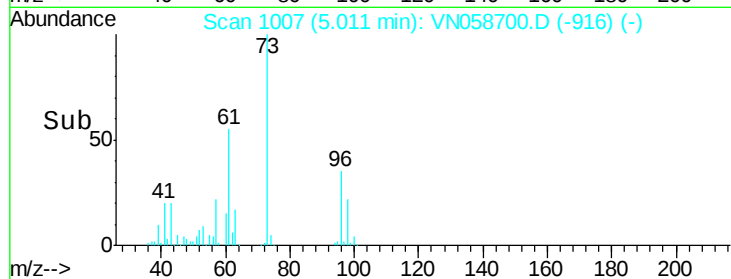
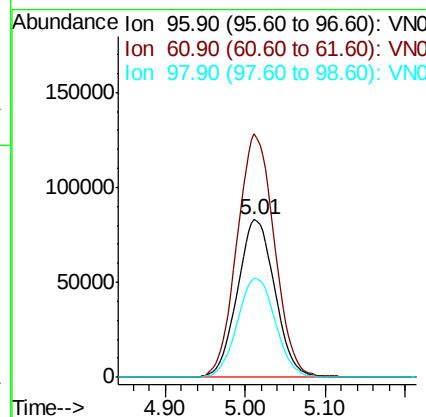
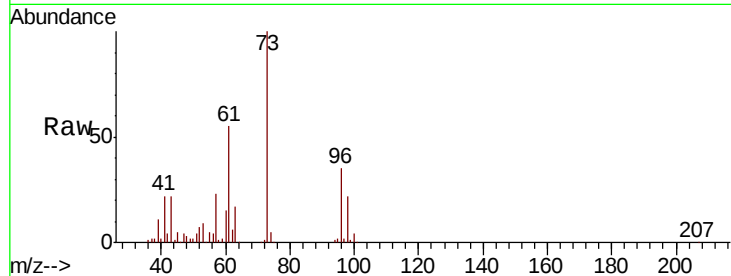
ClientSampleId :

ICVVN101319

Tot Ion:	96	Resp:	264054
Ion	Ratio	Lower	Upper
96	100		
61	154.6	123.6	185.4
98	62.9	52.1	78.1

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#22

Diisopropyl ether

Concen: 49.263 ug/l

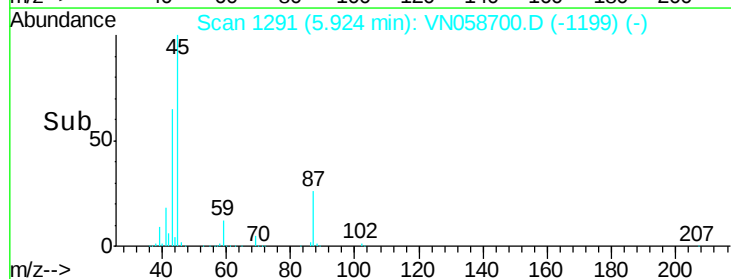
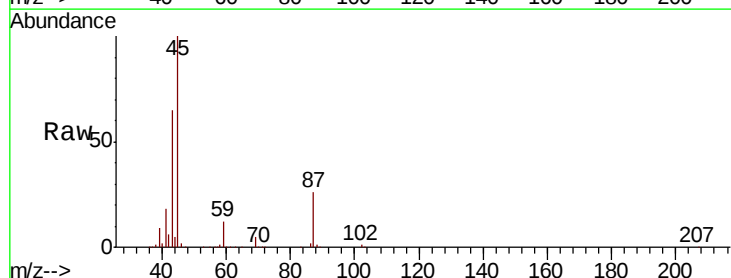
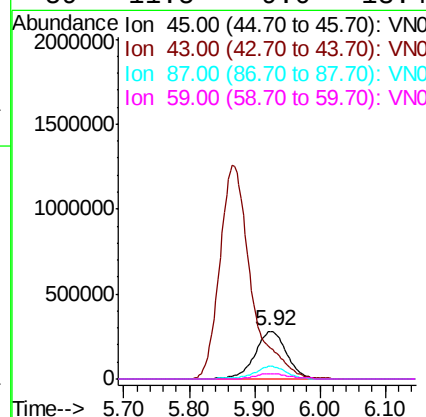
RT: 5.92 min Scan# 1291

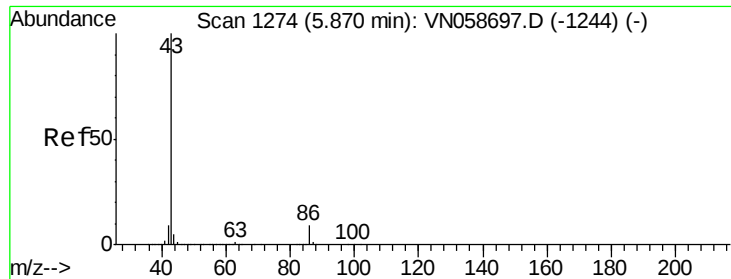
Delta R.T. -0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Tgt Ion:	45	Resp:	954795
Ion	Ratio	Lower	Upper
45	100		
43	63.5	50.6	75.8
87	26.1	21.1	31.7
59	11.5	9.0	13.4





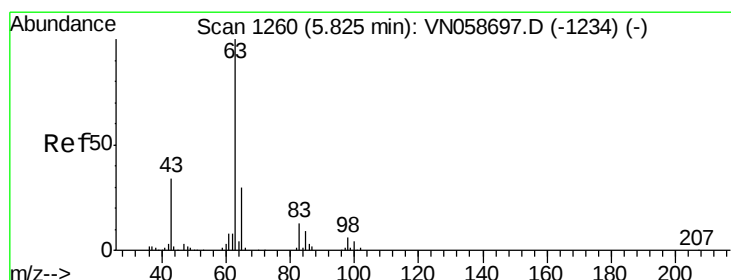
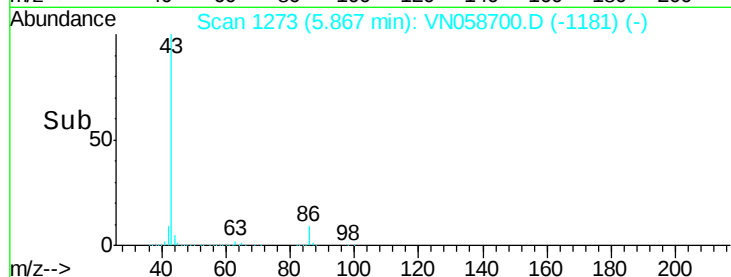
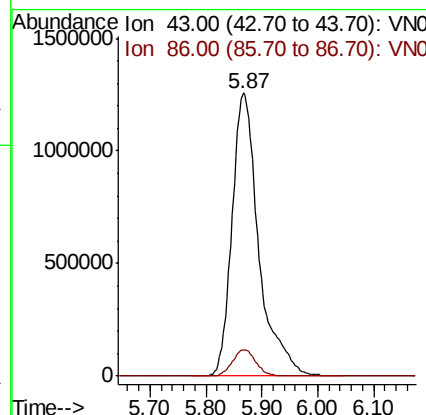
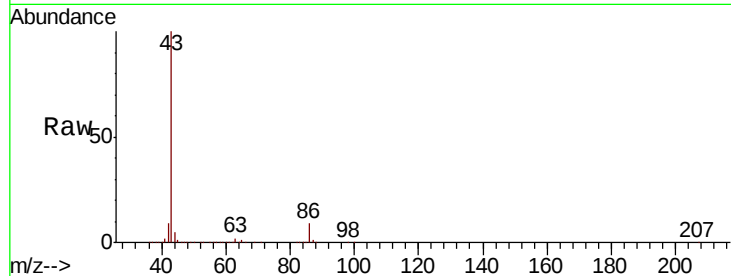
#23
 Vinyl Acetate
 Concen: 268.229 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

Tot Ion: 43 Resp: 4194869
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.4 11.0

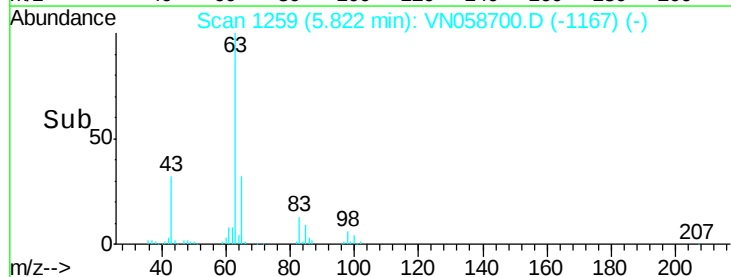
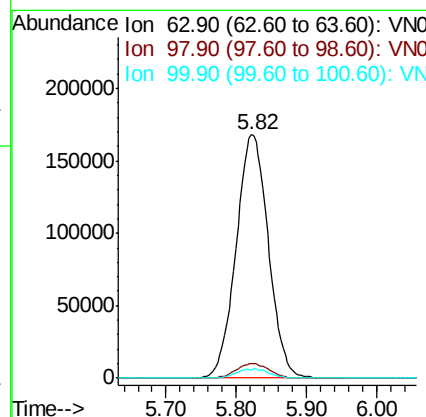
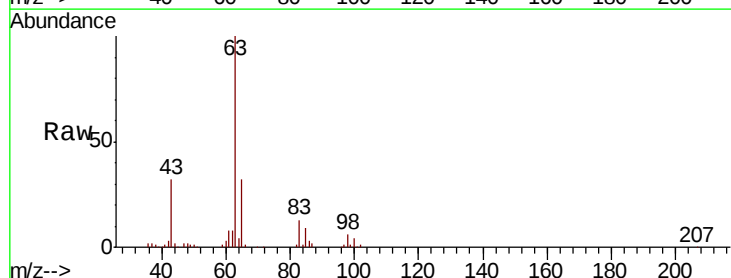
Manual Integrations
 APPROVED

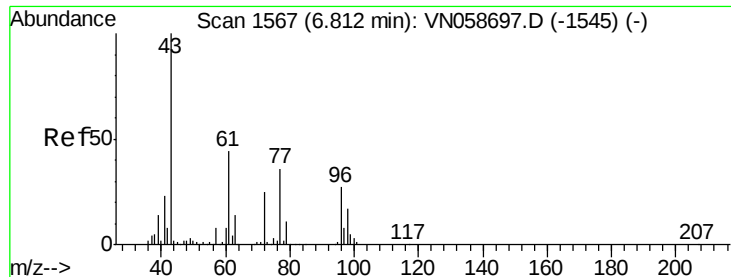
MMDadoda
 10/16/2019 12:48:23 AM



#24
 1,1-Dichloroethane
 Concen: 48.544 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion: 63 Resp: 535858
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.6
 100 3.6 1.8 5.5





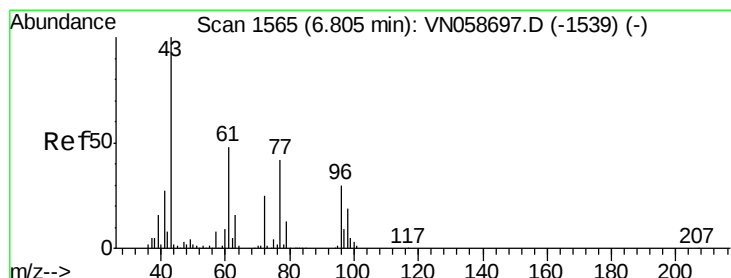
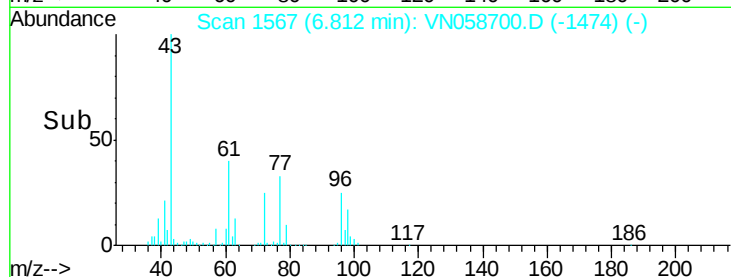
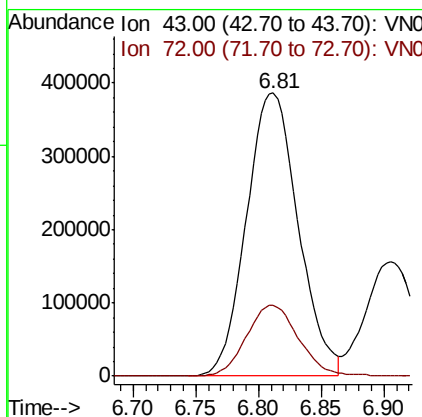
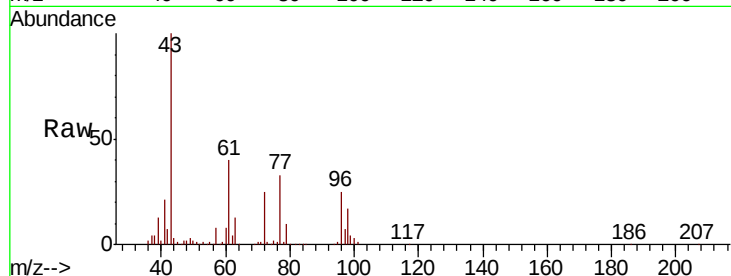
#25
 2-Butanone
 Concen: 257.630 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

Tot Ion: 43 Resp: 1110076
 Ion Ratio Lower Upper
 43 100
 72 24.9 20.2 30.2

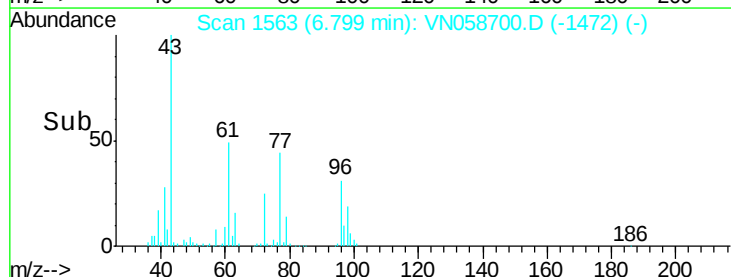
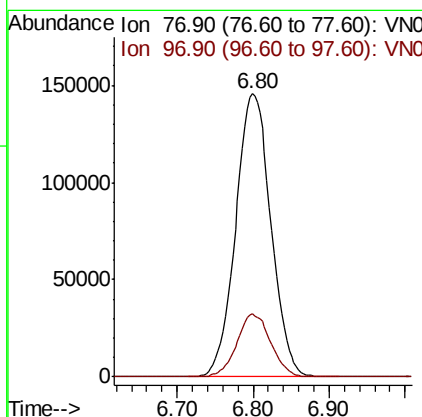
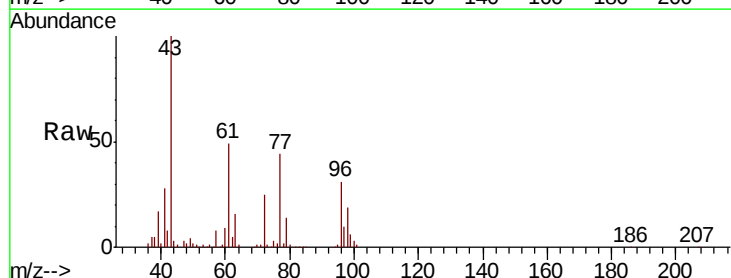
Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:23 AM



#26
 2,2-Dichloropropane
 Concen: 46.433 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion: 77 Resp: 467871
 Ion Ratio Lower Upper
 77 100
 97 21.5 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 47.499 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

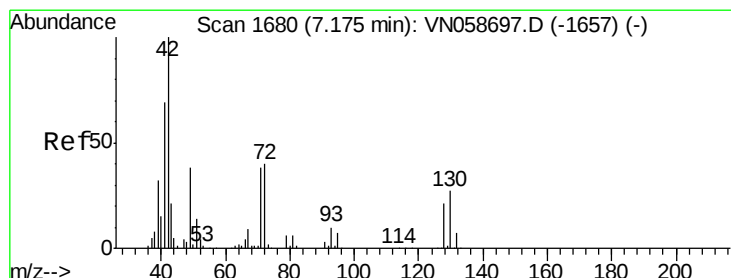
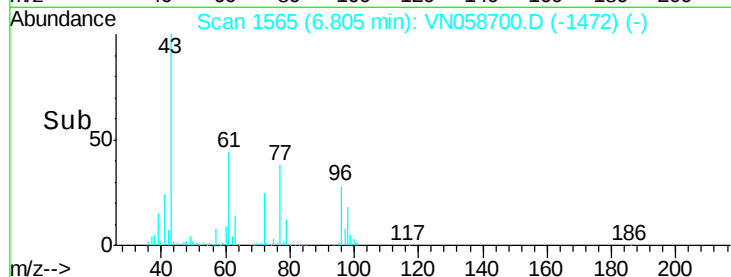
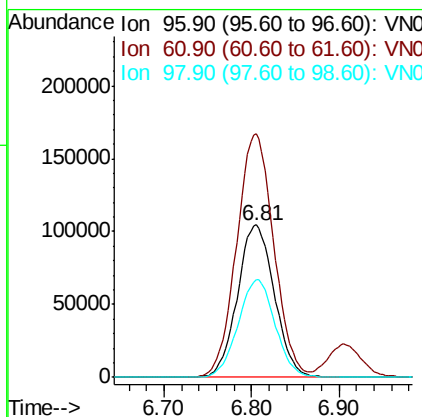
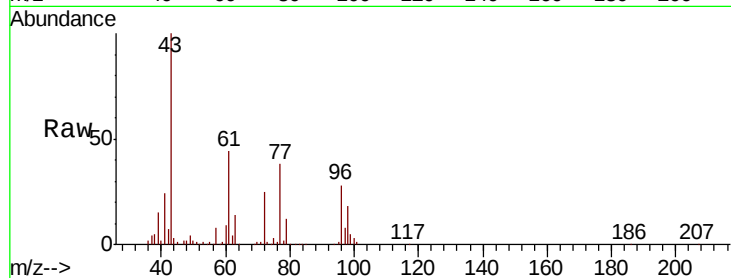
ClientSampleId :

ICVVN101319

Tot Ion:	96	Resp:	306040
Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	324.8
98	64.4	0.0	129.2

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#28

Bromochloromethane

Concen: 49.130 ug/l

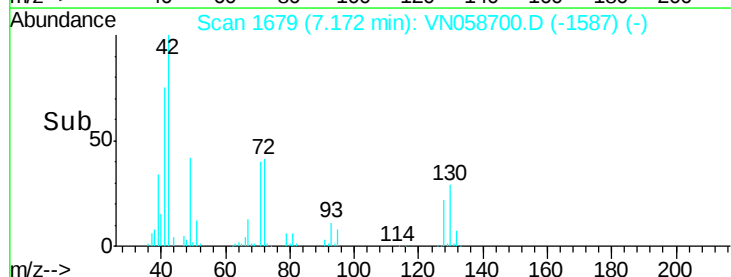
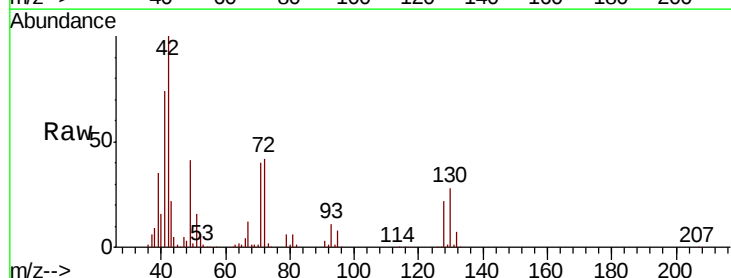
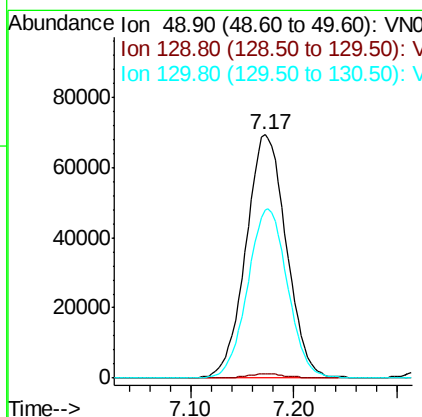
RT: 7.17 min Scan# 1679

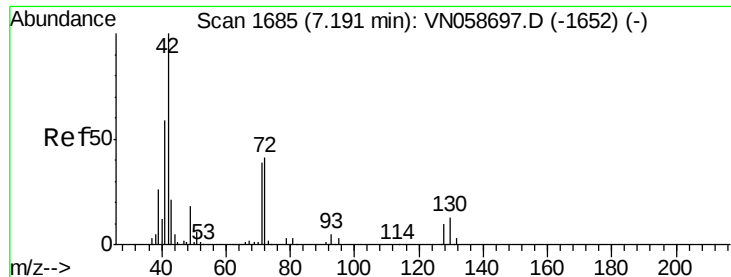
Delta R.T. -0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Tgt Ion:	49	Resp:	188669
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	68.6	55.0	82.4





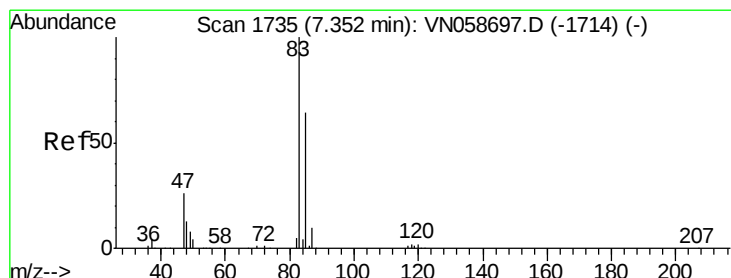
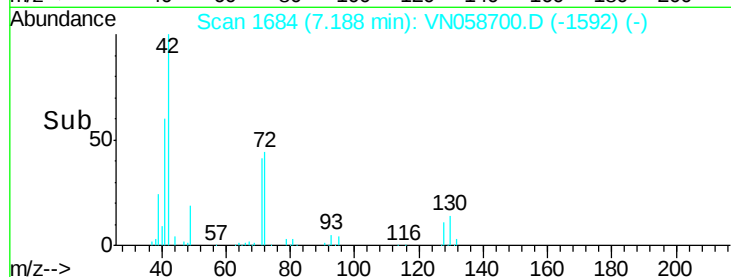
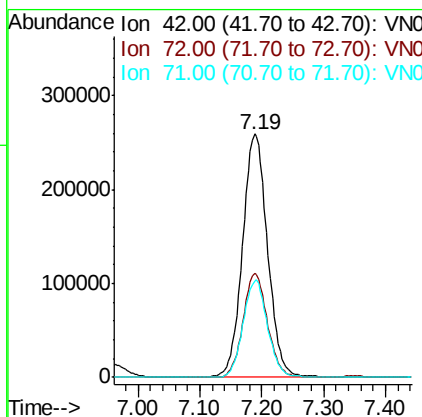
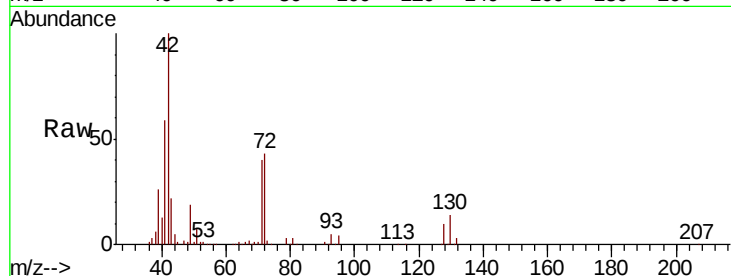
#29
Tetrahydrofuran
Concen: 261.684 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.8	49.2
71	38.9	31.1	46.7

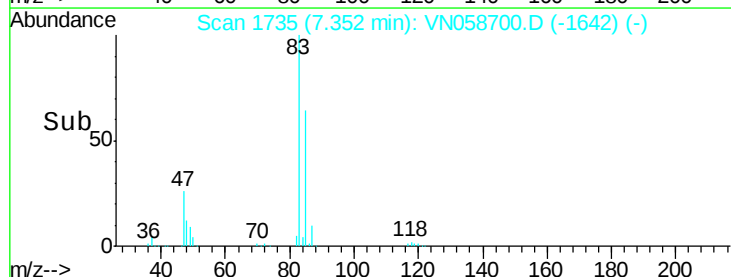
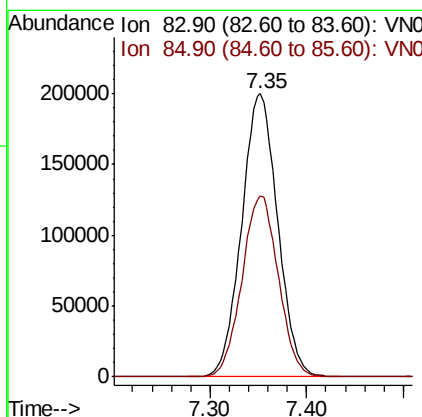
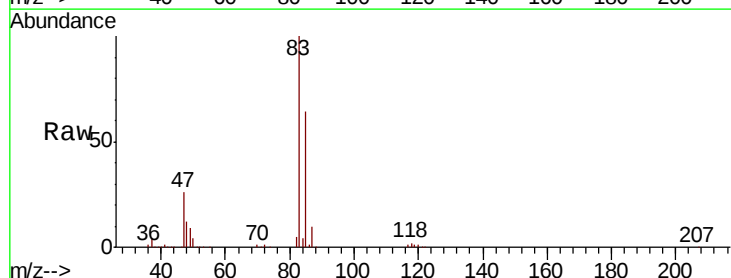
Manual Integrations
APPROVED

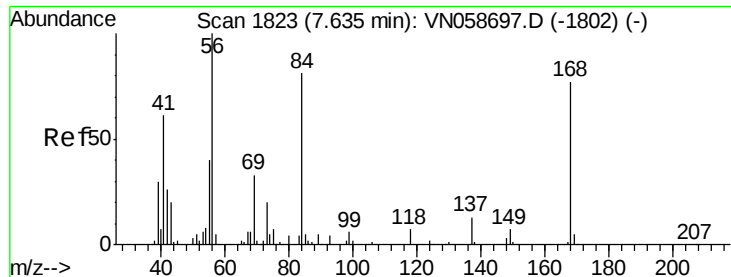
MMDadoda
10/16/2019 12:48:23 AM



#30
Chloroform
Concen: 46.703 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.0	76.6





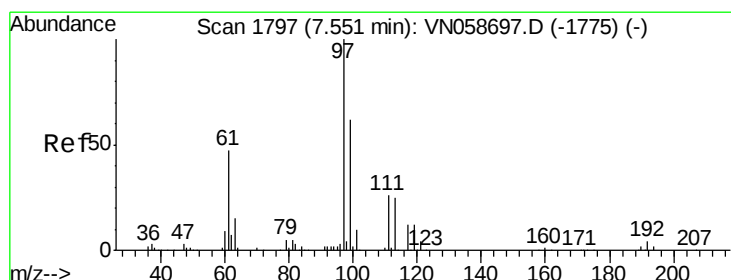
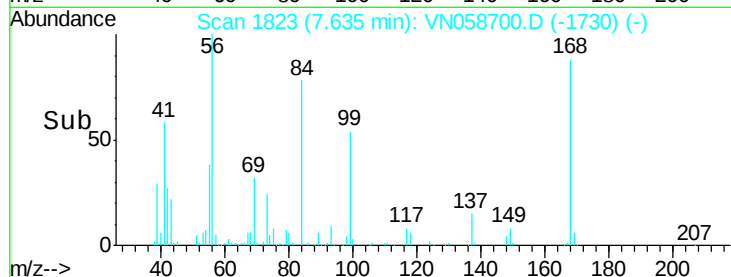
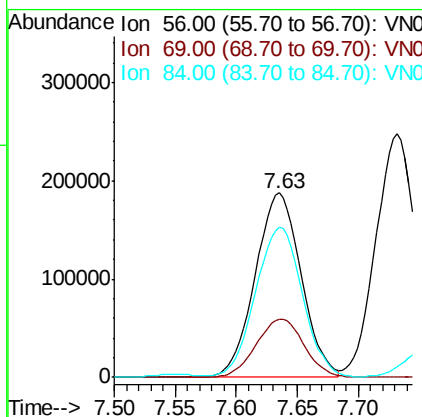
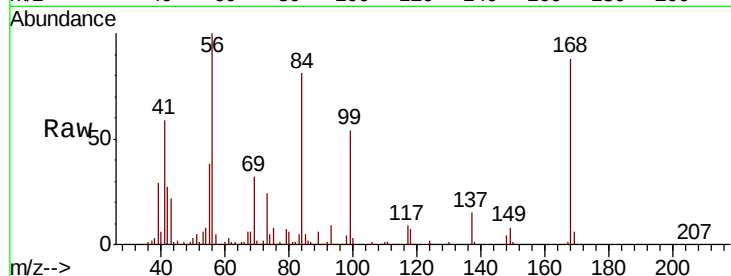
#31
Cyclohexane
Concen: 46.524 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	26.2	39.4
84	80.0	64.9	97.3

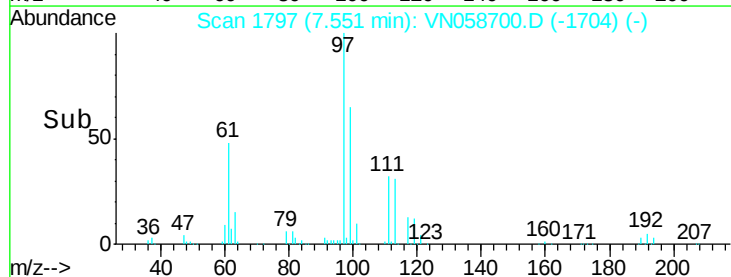
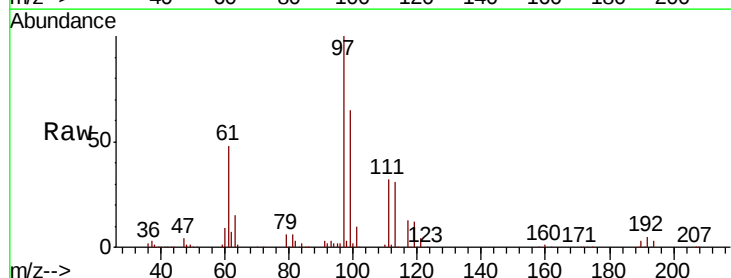
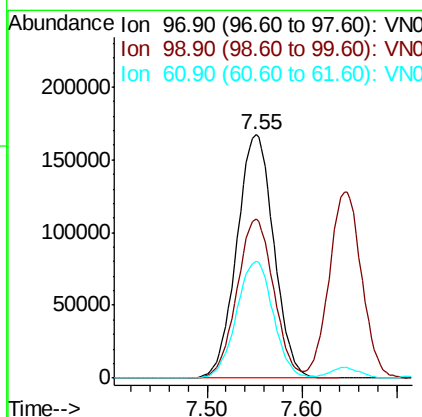
Manual Integrations
APPROVED

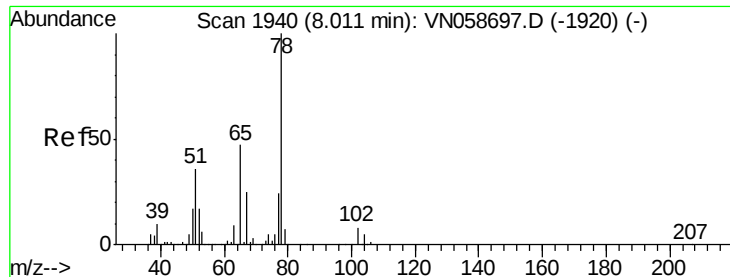
MMDadoda
10/16/2019 12:48:23 AM



#32
1,1,1-Trichloroethane
Concen: 48.094 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.8	76.2
61	47.6	38.1	57.1





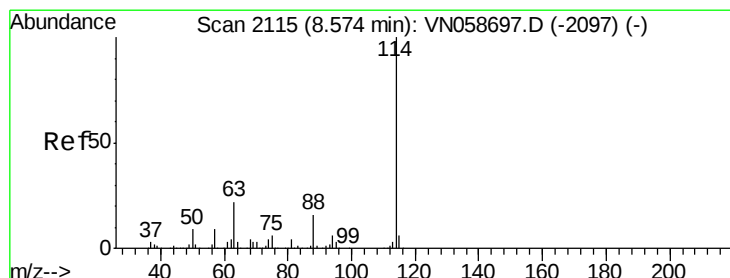
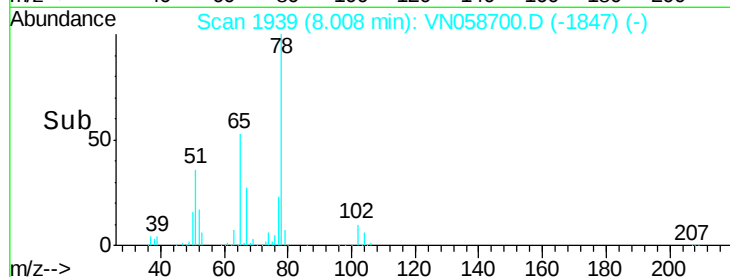
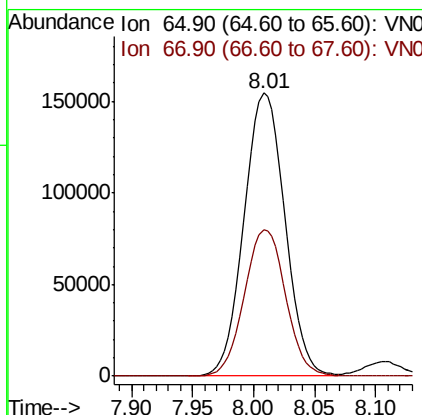
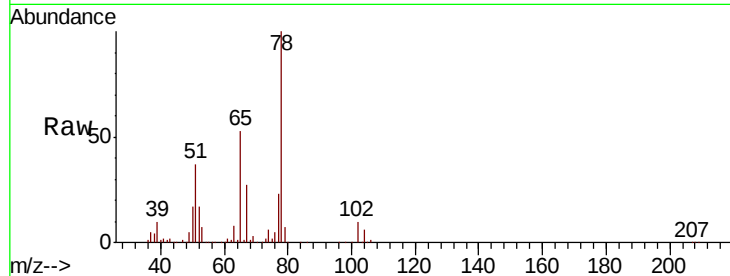
#33
 1,2-Dichloroethane-d4
 Concen: 49.886 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.2	0.0	103.8	

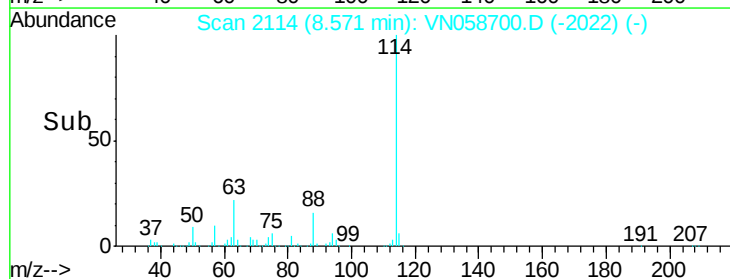
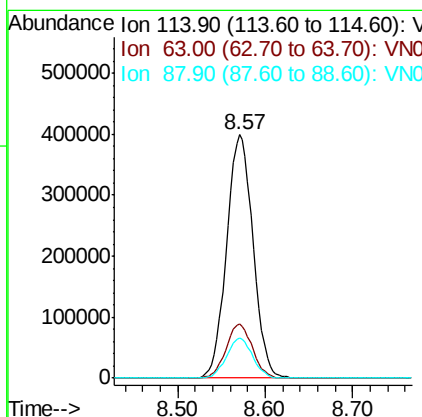
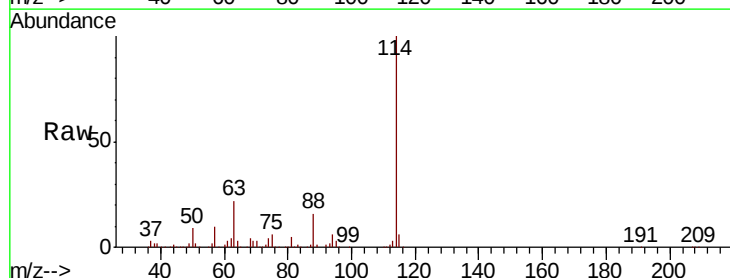
Manual Integrations
 APPROVED

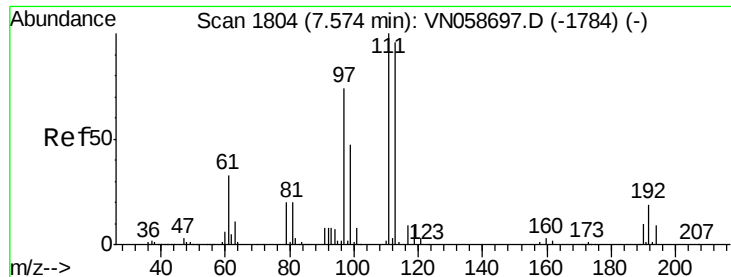
MMDadoda
 10/16/2019 12:48:23 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.0	0.0	43.8	
88	16.2	0.0	32.0	





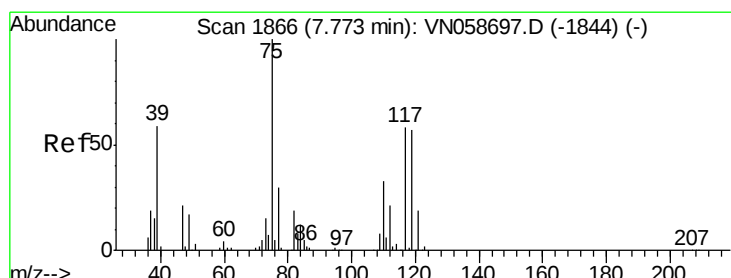
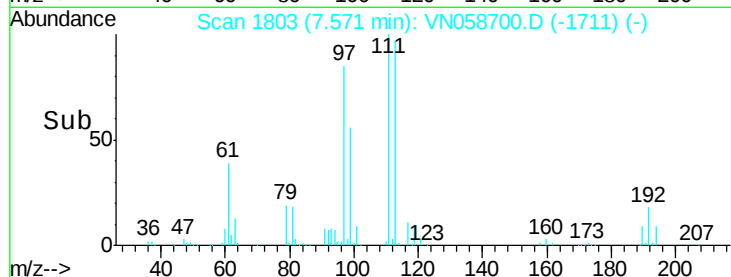
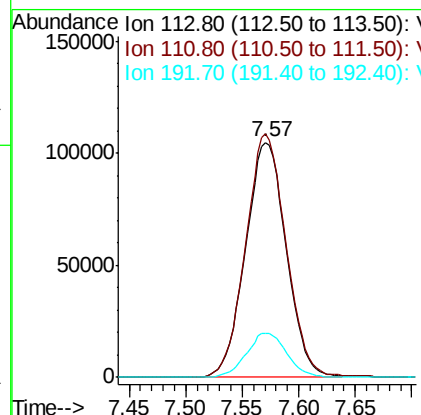
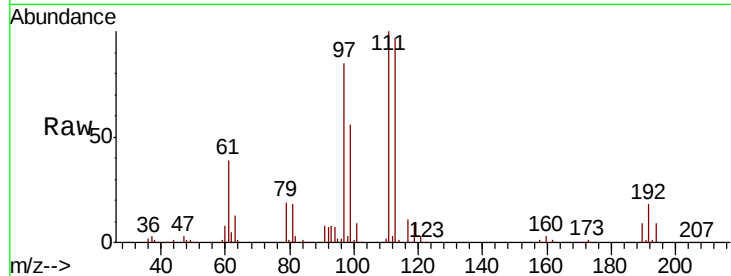
#35
 Dibromofluoromethane
 Concen: 50.818 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

Tot Ion	Ratio	Resp	Lower	Upper
113	100	262374		
111	103.3	82.3	123.5	
192	18.6	15.0	22.6	

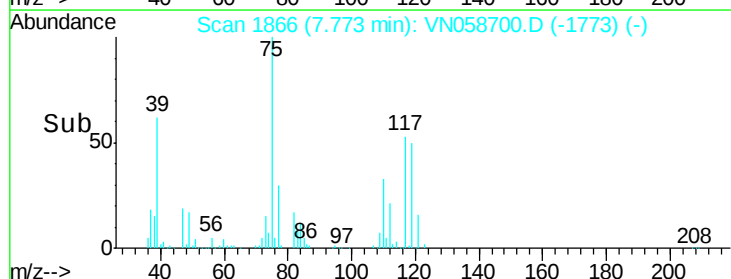
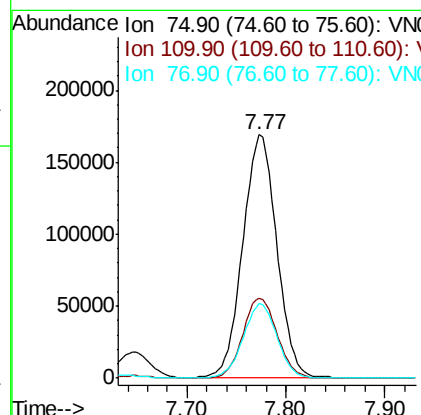
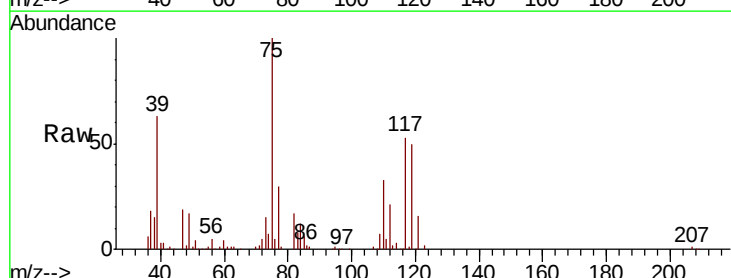
Manual Integrations
 APPROVED

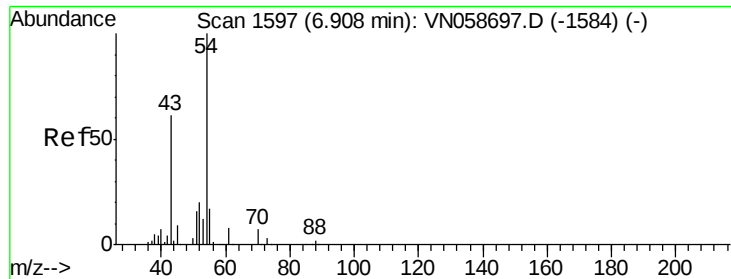
MMDadoda
 10/16/2019 12:48:23 AM



#36
 1,1-Dichloropropene
 Concen: 47.650 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	402699		
110	33.3	16.6	49.8	
77	30.9	24.6	37.0	





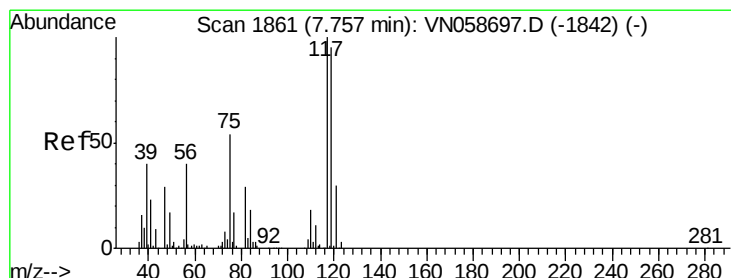
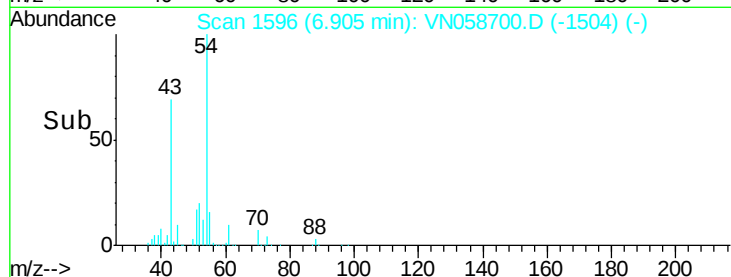
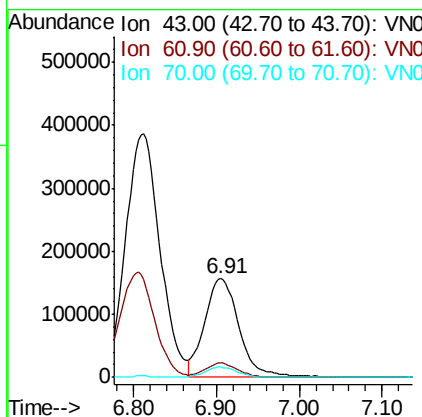
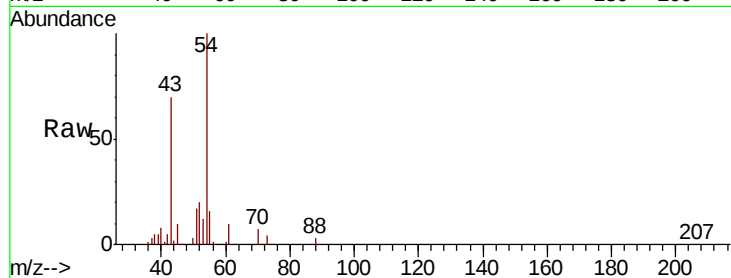
#37
Ethyl Acetate
Concen: 52.333 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.3	16.9
70	9.9	7.2	10.8

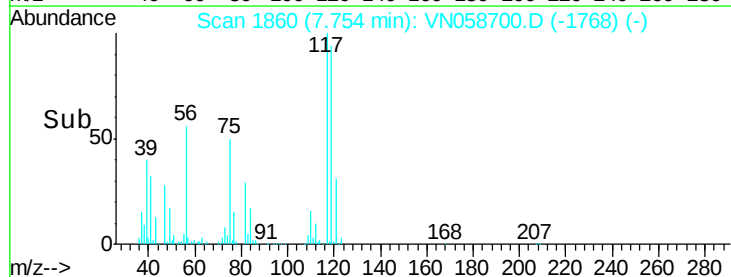
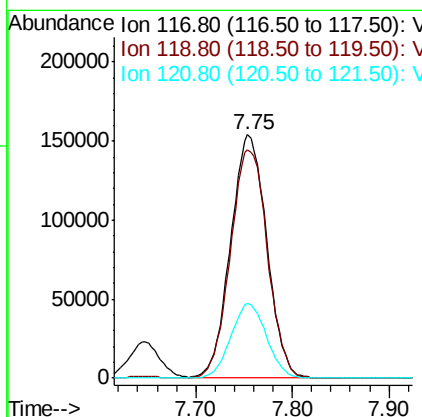
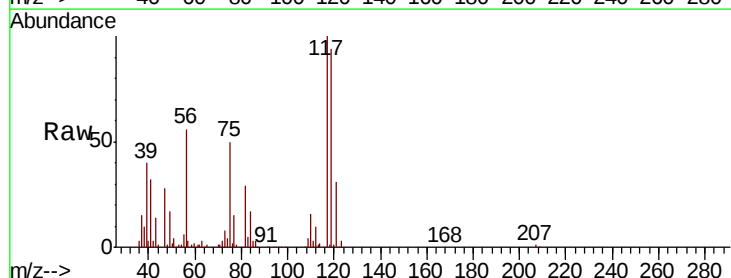
Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#38
Carbon Tetrachloride
Concen: 48.638 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.7	113.5
121	30.8	23.9	35.9





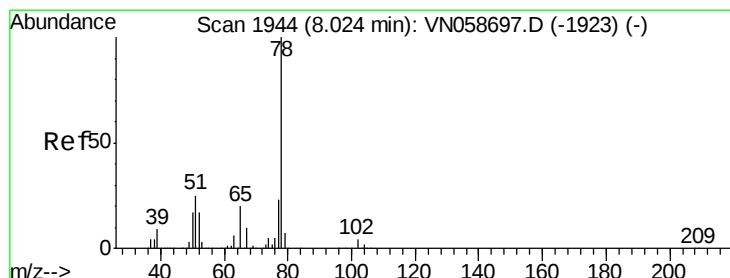
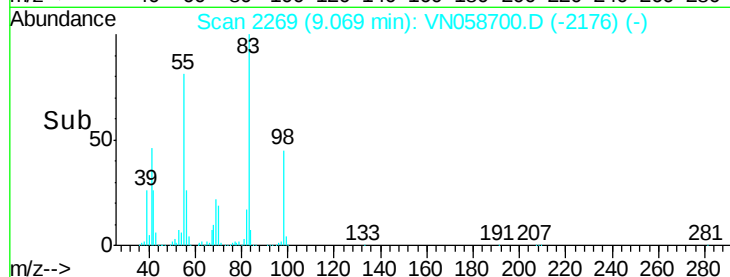
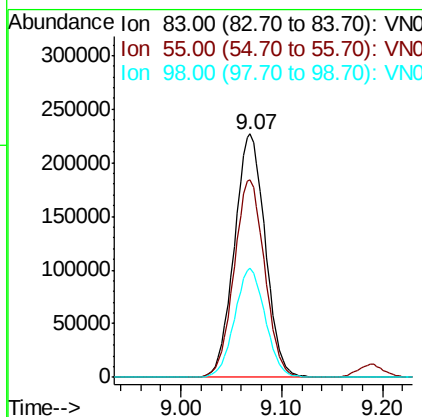
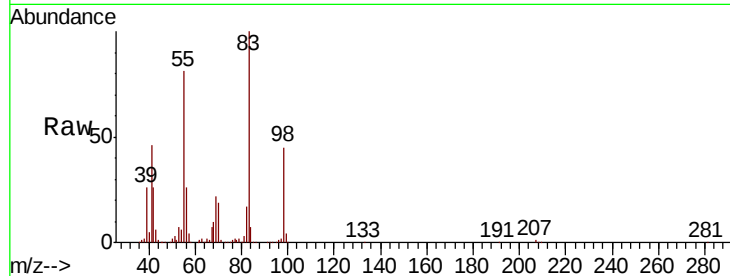
#39
Methvlcvclohexane
Concen: 49.102 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.4	63.4	95.0
98	44.6	35.1	52.7

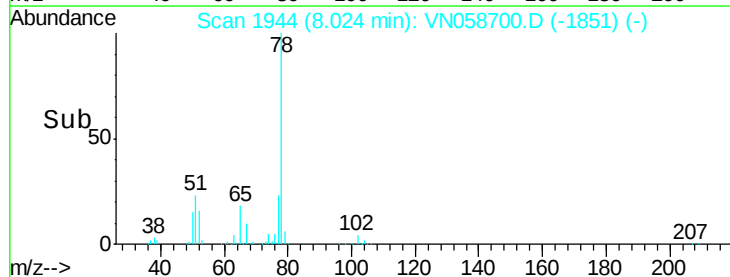
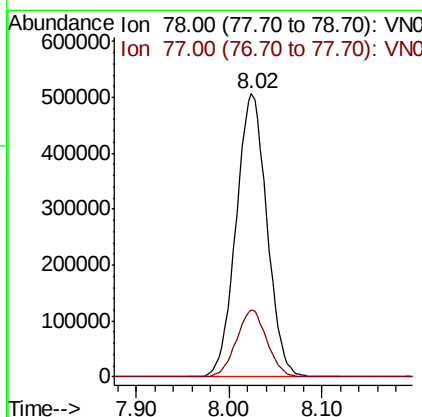
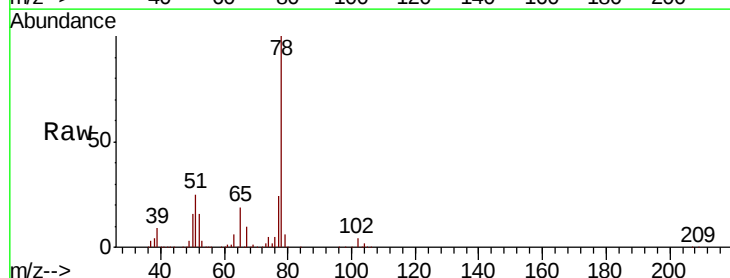
Manual Integrations
APPROVED

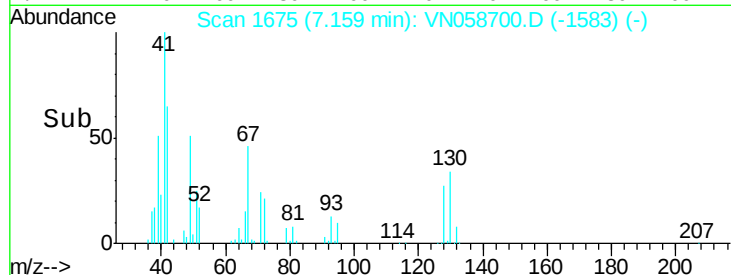
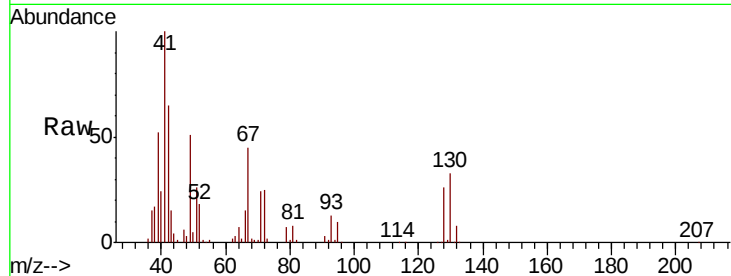
MMDadoda
10/16/2019 12:48:23 AM



#40
Benzene
Concen: 48.074 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





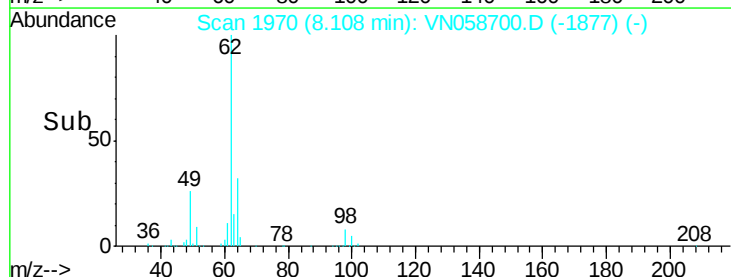
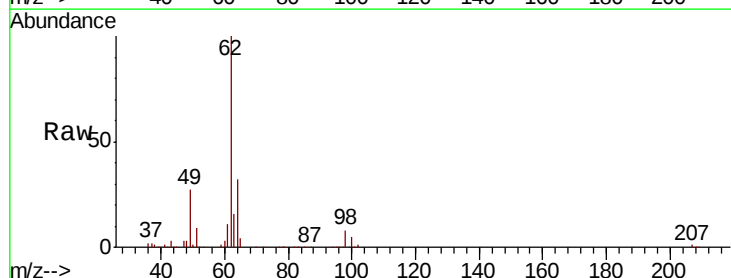
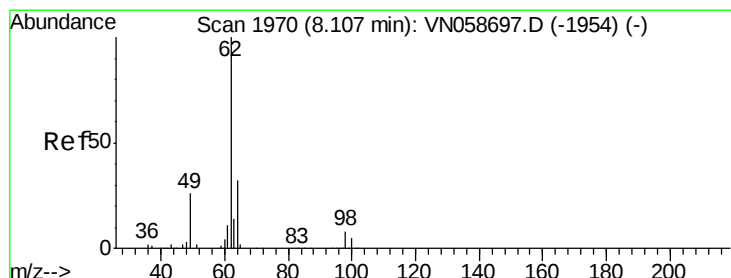
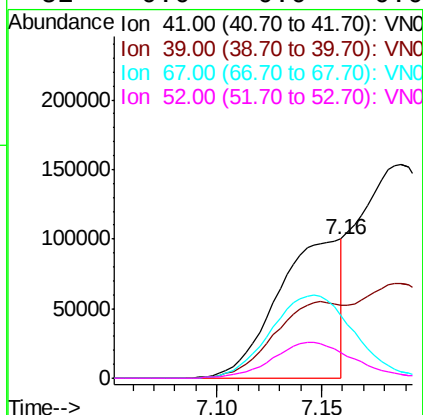
#41
Methacrylonitrile
Concen: 53.046 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

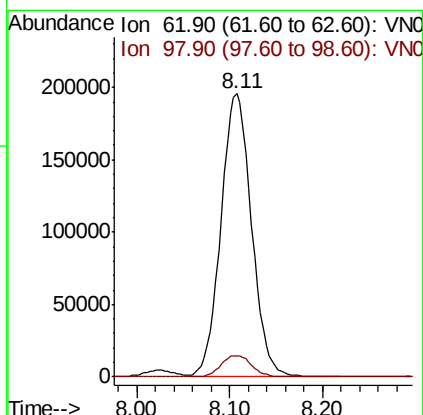
Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#42
1,2-Dichloroethane
Concen: 47.932 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.8





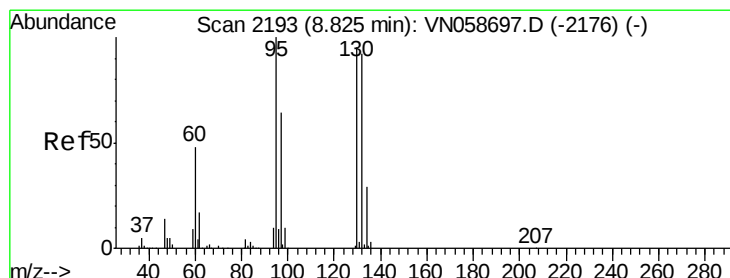
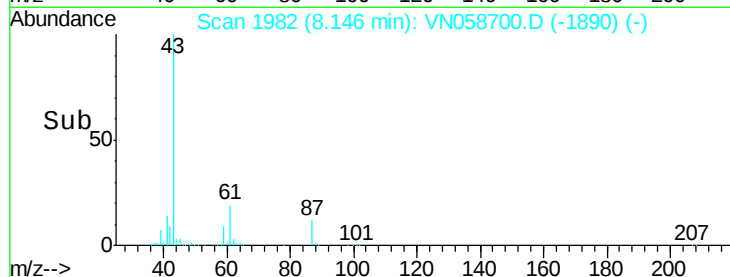
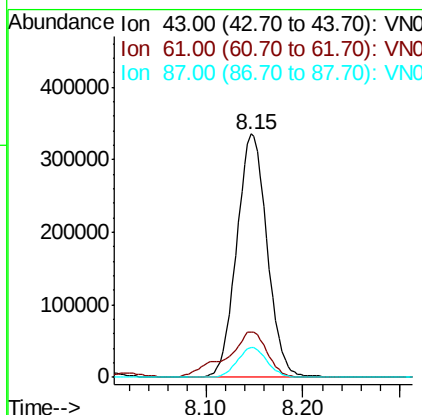
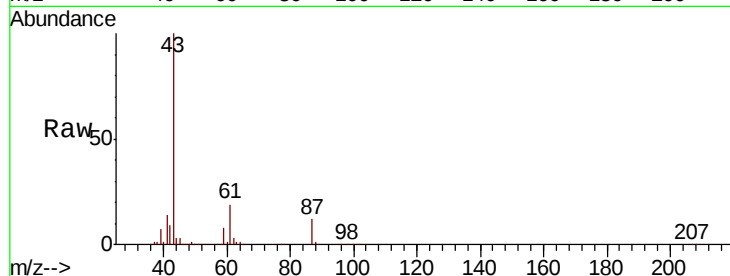
#43
Isopropyl Acetate
Concen: 50.263 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.2	20.3	30.5
87	12.1	9.8	14.6

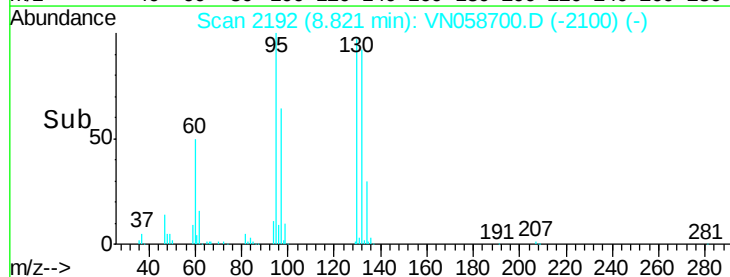
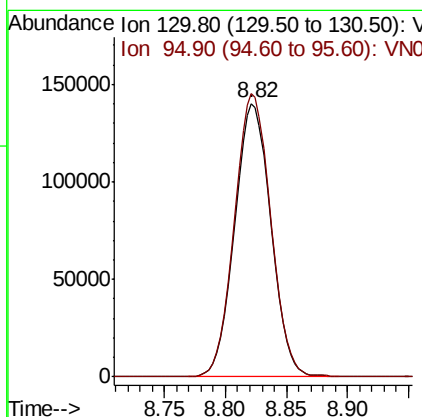
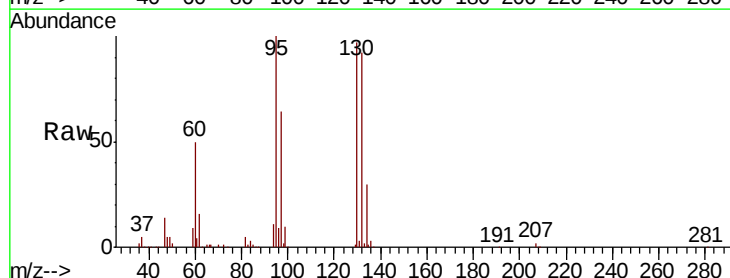
Manual Integrations
APPROVED

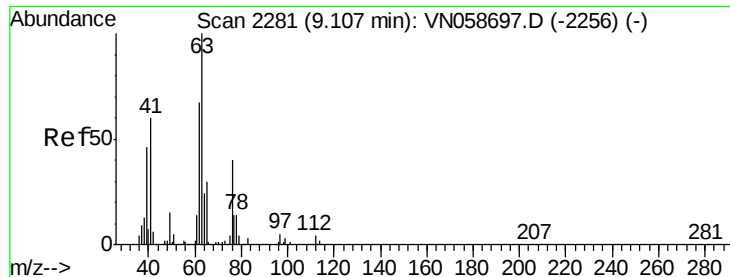
MMDadoda
10/16/2019 12:48:23 AM



#44
Trichloroethene
Concen: 47.881 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	211.2





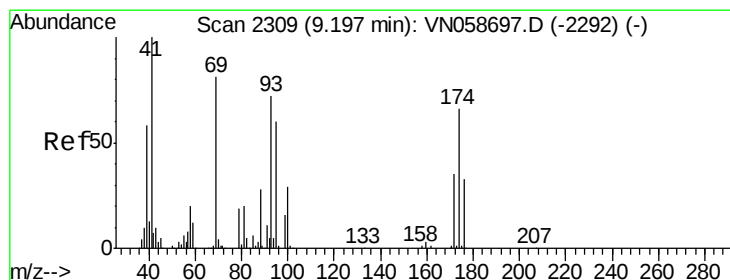
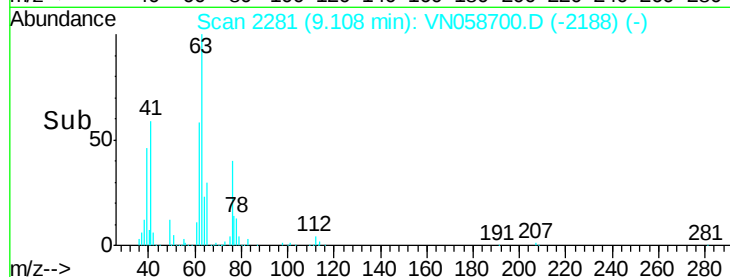
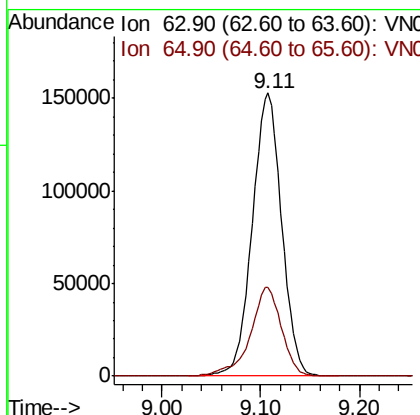
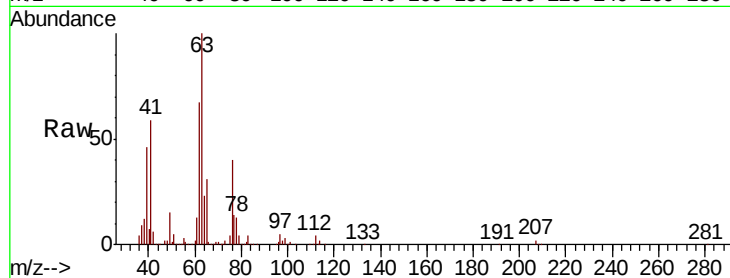
#45
 1,2-Dichloropropane
 Concen: 48.184 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.1	36.1

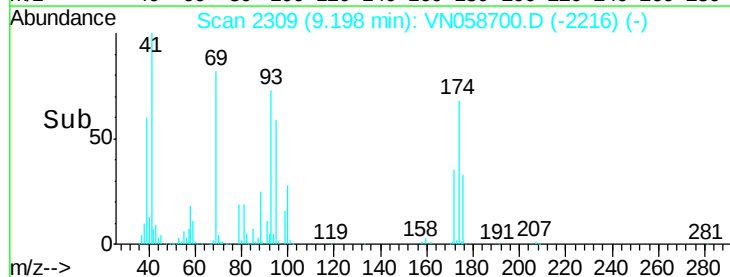
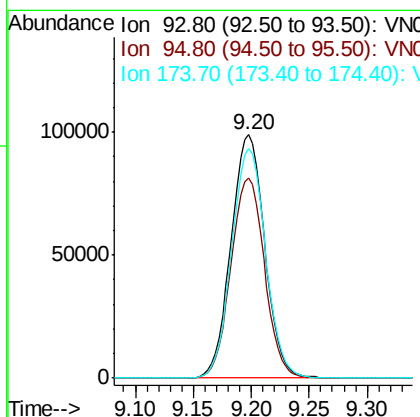
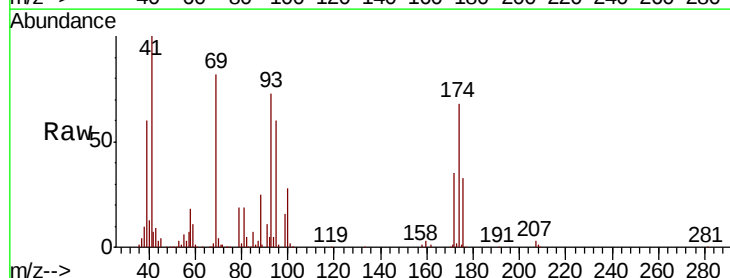
Manual Integrations
 APPROVED

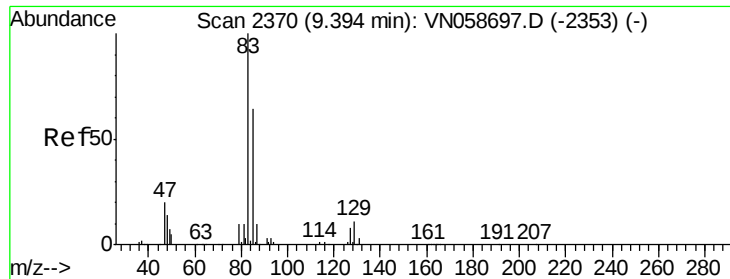
MMDadoda
 10/16/2019 12:48:23 AM



#46
 Dibromomethane
 Concen: 48.577 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	66.6	100.0
174	94.7	75.2	112.8





#47

Bromodichloromethane

Concen: 48.906 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

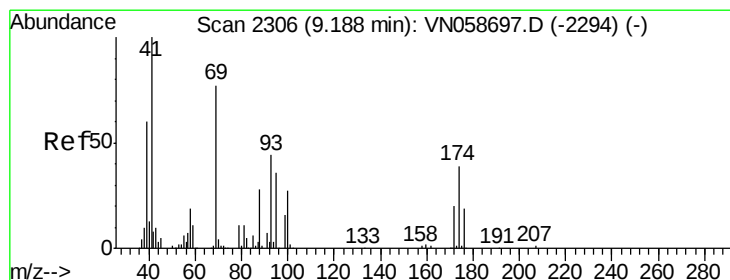
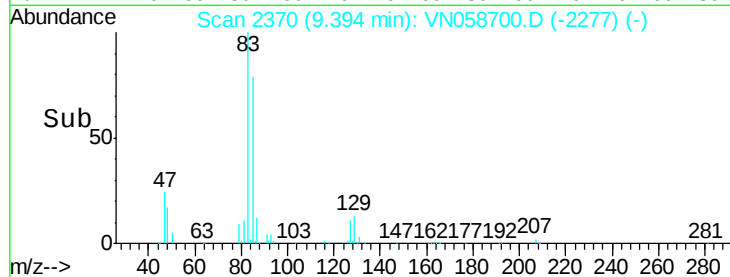
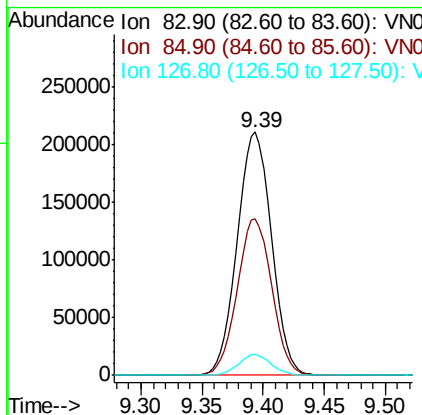
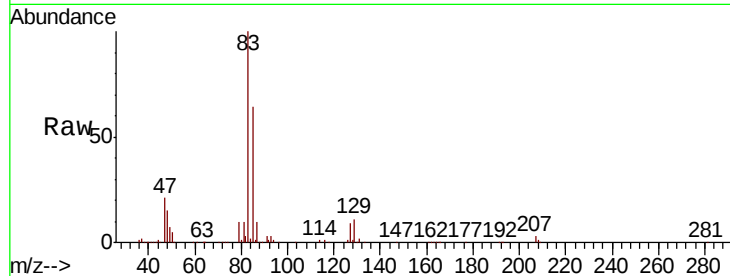
ClientSampleId :

ICVVN101319

Tot Ion:	83	Resp:	410266
Ion Ratio	Lower	Upper	
83	100		
85	64.5	50.9	76.3
127	8.6	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#48

Methyl methacrylate

Concen: 50.741 ug/l

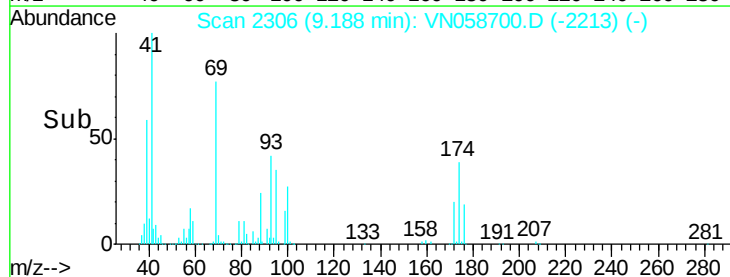
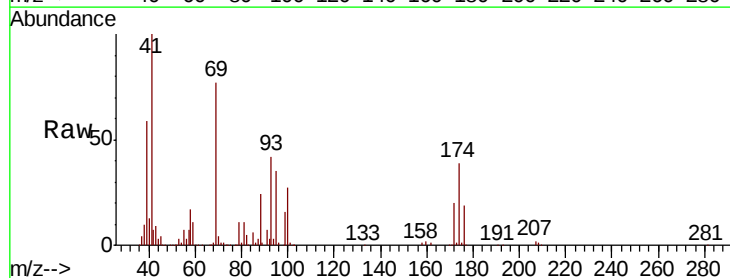
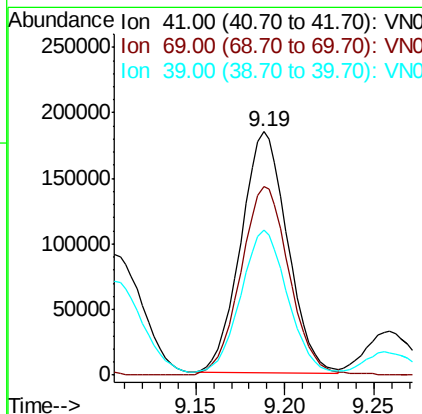
RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Tgt Ion:	41	Resp:	334893
Ion Ratio	Lower	Upper	
41	100		
69	81.8	63.4	95.2
39	61.3	48.9	73.3





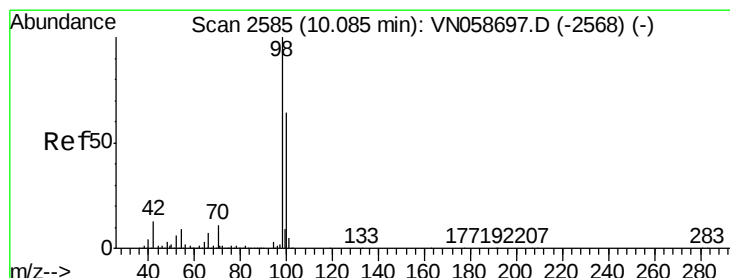
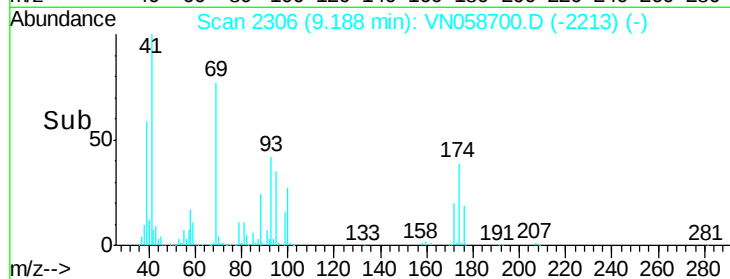
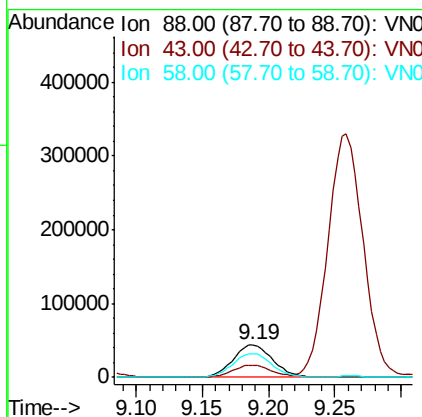
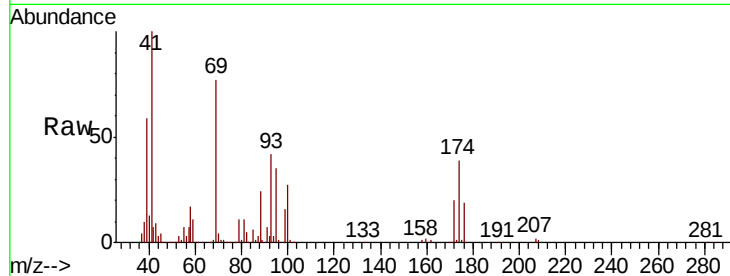
#49
1,4-Dioxane
Concen: 904.813 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.6	43.0
58	72.4	57.2	85.8

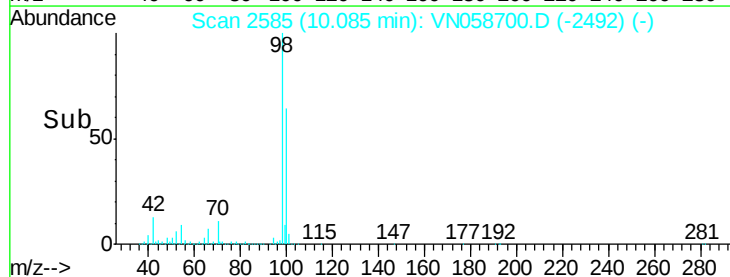
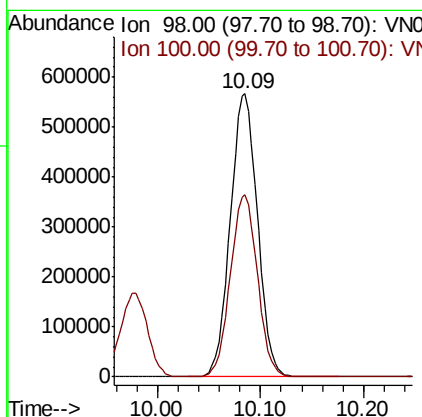
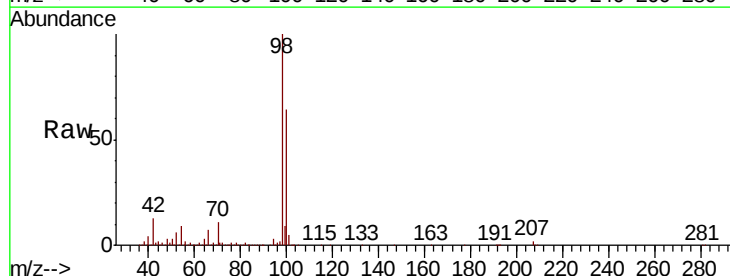
Manual Integrations
APPROVED

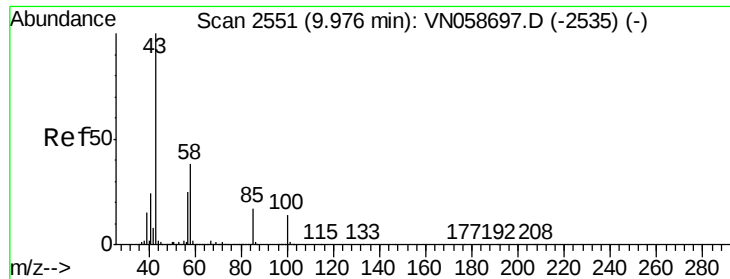
MMDadoda
10/16/2019 12:48:23 AM



#50
Toluene-d8
Concen: 50.515 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 276.120 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101319

Tot Ion: 43 Resp: 2257876

Ion Ratio Lower Upper

43 100

58 38.1

30.3

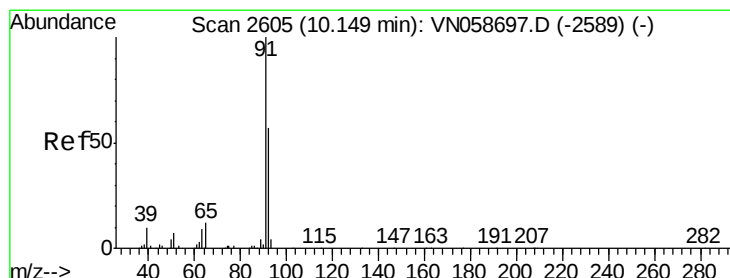
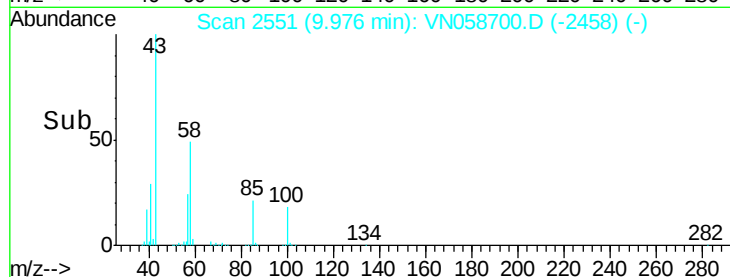
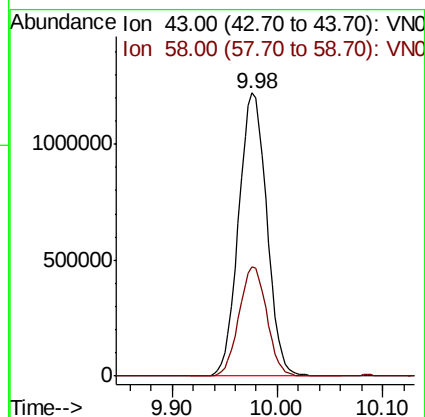
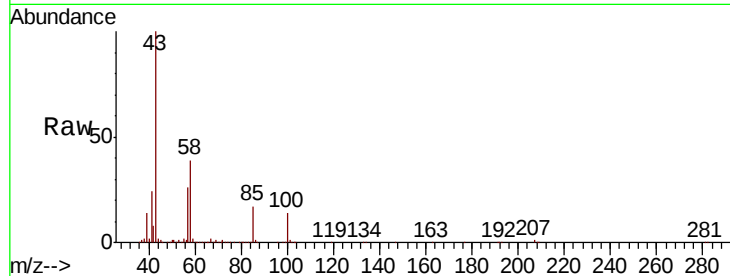
45.5

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:48:23 AM



#52

Toluene

Concen: 49.257 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Tgt Ion: 92 Resp: 731227

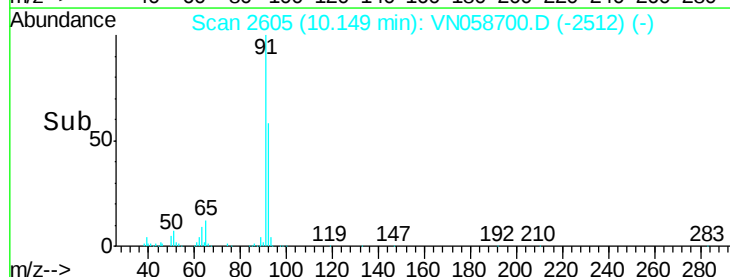
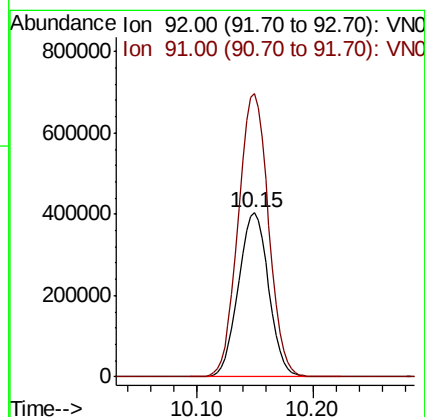
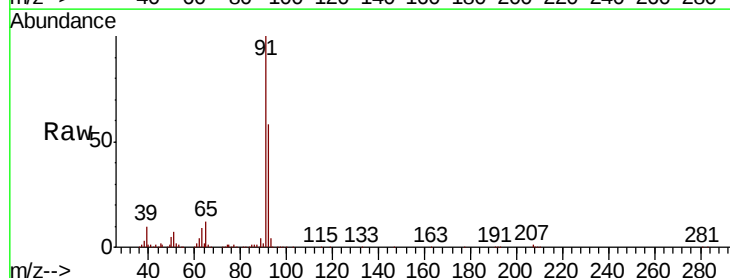
Ion Ratio Lower Upper

92 100

91 172.9

139.1

208.7





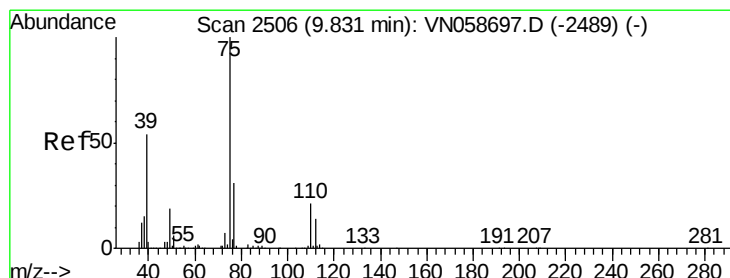
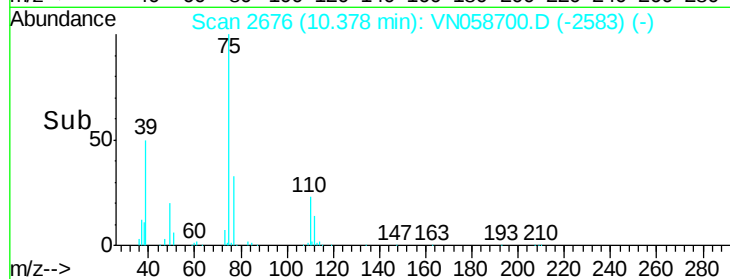
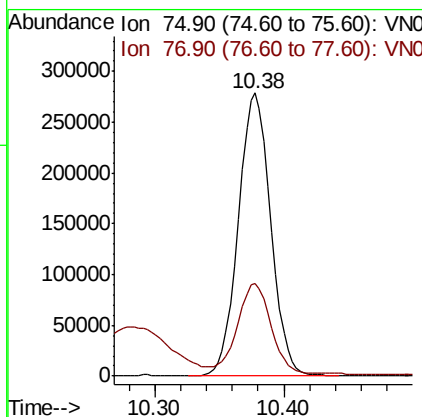
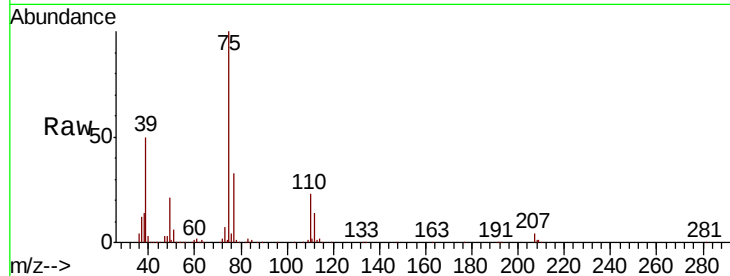
#53
t-1,3-Dichloropropene
Concen: 50.199 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.2	39.4

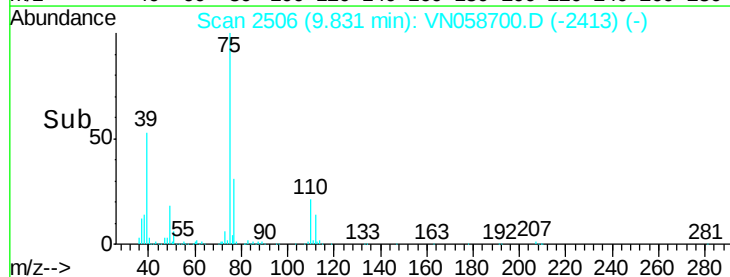
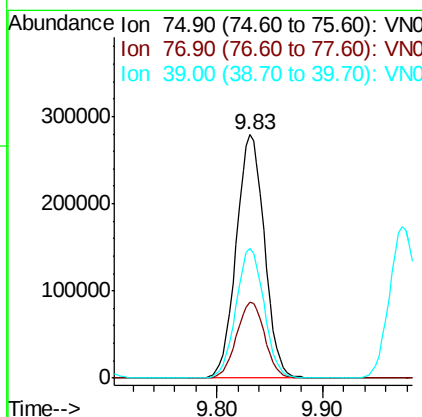
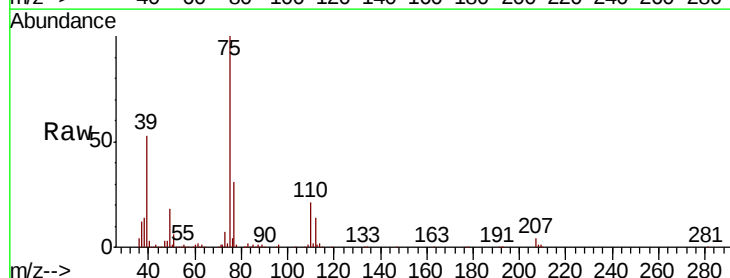
Manual Integrations
APPROVED

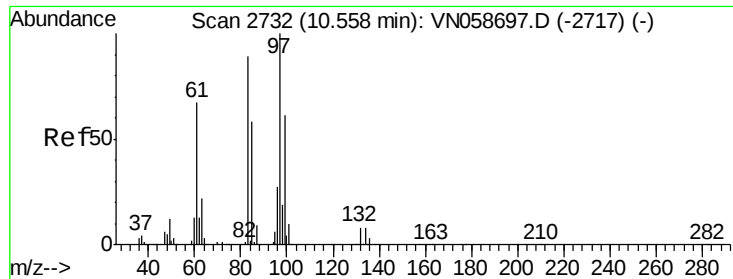
MMDadoda
10/16/2019 12:48:23 AM



#54
cis-1,3-Dichloropropene
Concen: 50.400 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.4	36.6
39	53.1	43.1	64.7





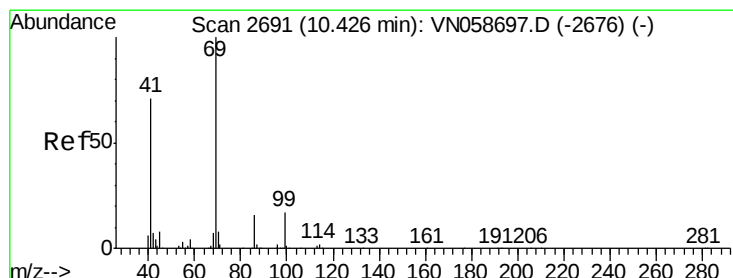
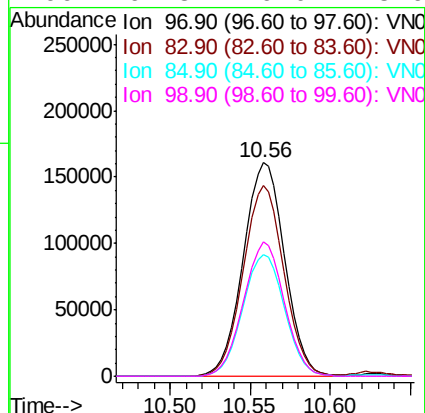
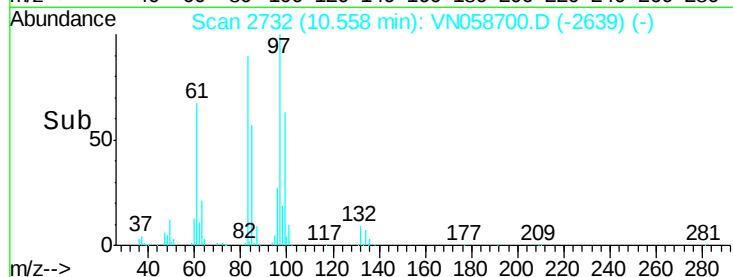
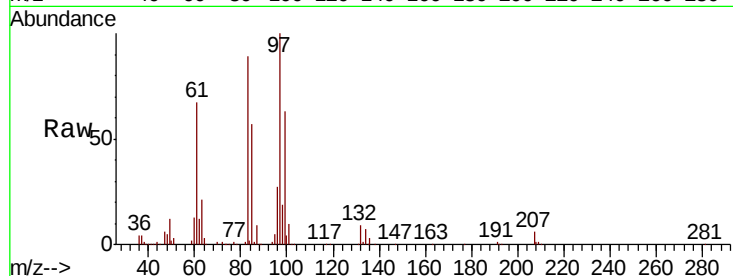
#55
 1,1,2-Trichloroethane
 Concen: 46.495 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN101319

Tot Ion:	97	Resp:	282504
Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.2	106.8
85	57.2	46.7	70.1
99	62.8	49.0	73.6

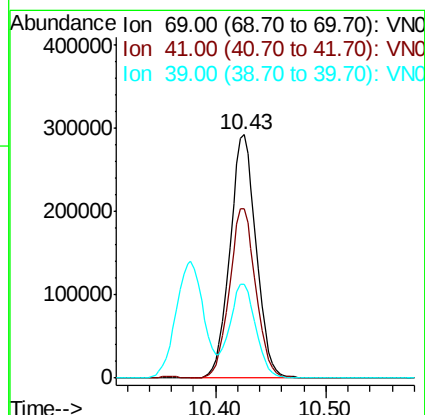
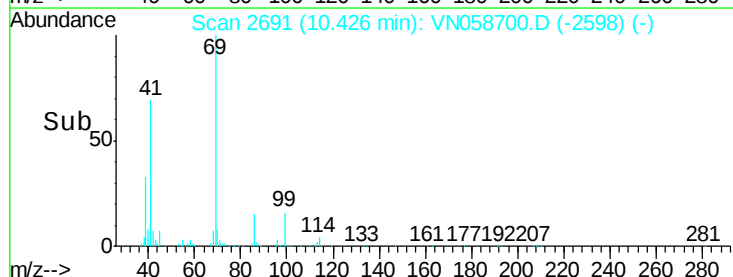
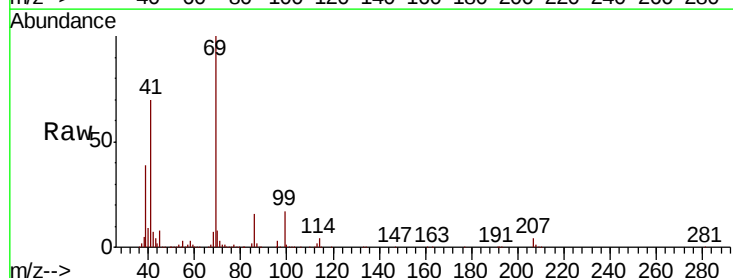
Manual Integrations
 APPROVED

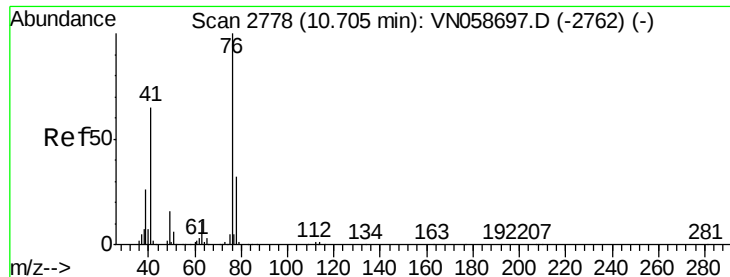
MMDadoda
 10/16/2019 12:48:23 AM



#56
 Ethyl methacrylate
 Concen: 54.058 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion:	69	Resp:	479848
Ion	Ratio	Lower	Upper
69	100		
41	69.3	56.8	85.2
39	37.9	32.5	48.7





#57

1,3-Dichloropropane

Concen: 48.755 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101319

Tot Ion: 76 Resp: 504806

Ion Ratio Lower Upper

76 100

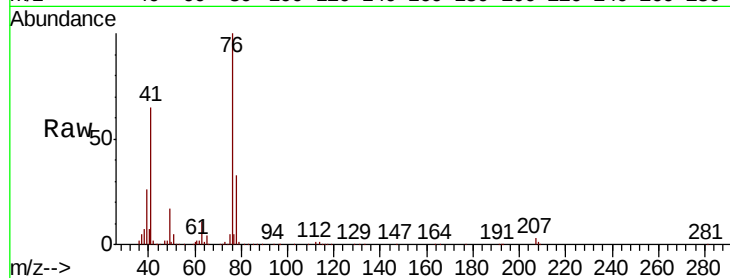
78 32.4 25.9 38.9

Manual Integrations

APPROVED

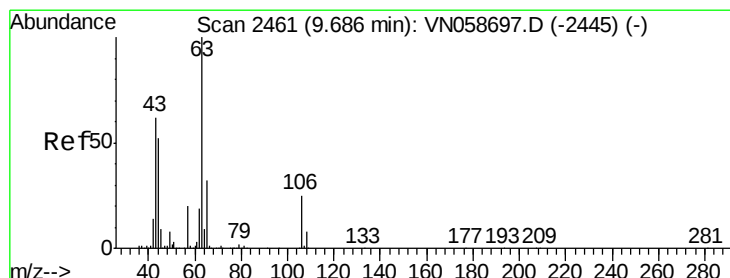
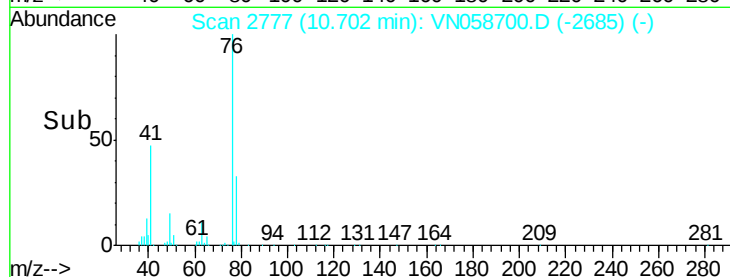
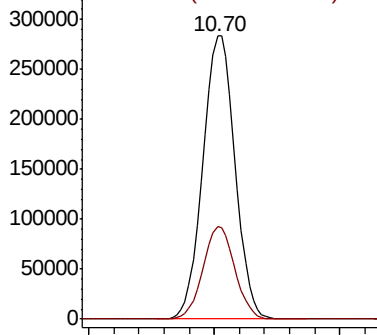
MMDadoda

10/16/2019 12:48:23 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 239.142 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058700.D

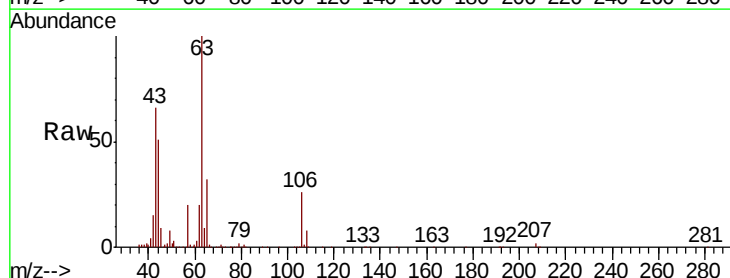
Acq: 11 Oct 2019 13:50

Tgt Ion: 63 Resp: 1023002

Ion Ratio Lower Upper

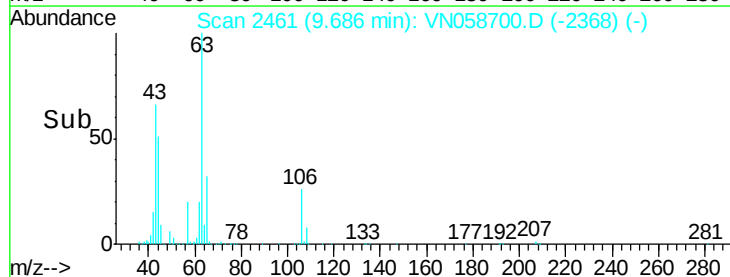
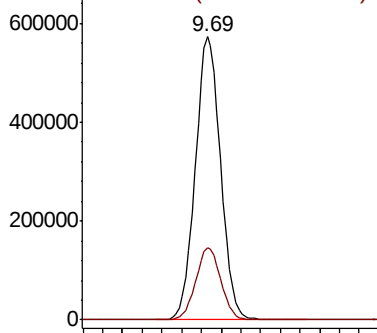
63 100

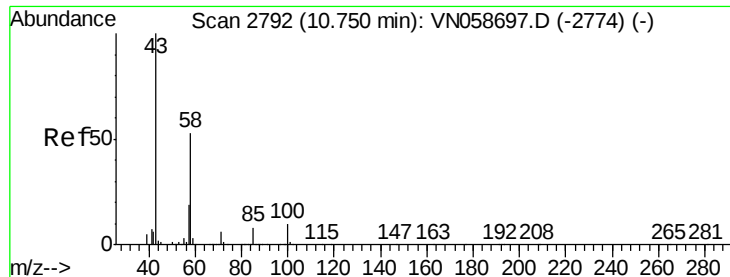
106 25.4 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





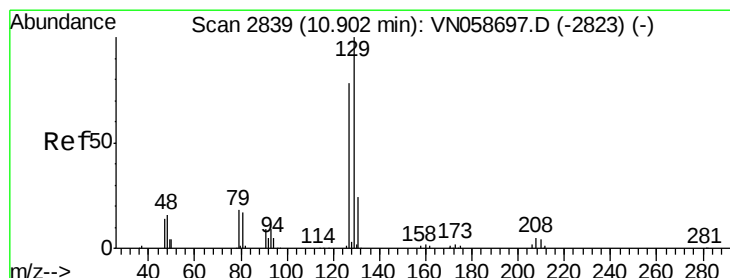
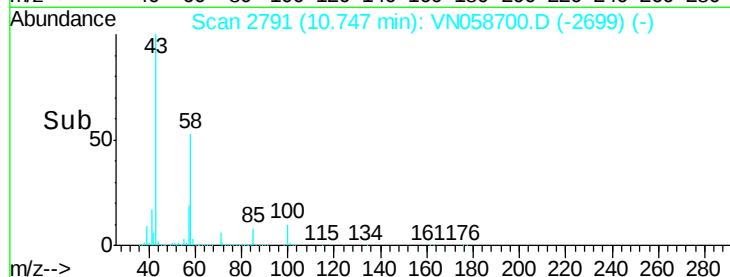
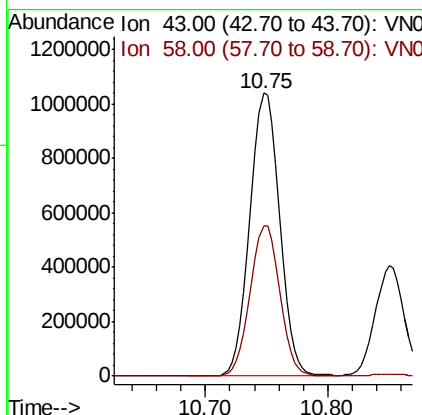
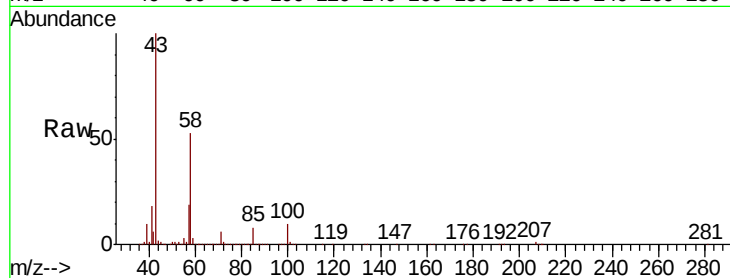
#59
2-Hexanone
Concen: 277.513 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion: 43 Resp: 1753701
Ion Ratio Lower Upper
43 100
58 52.9 26.1 78.3

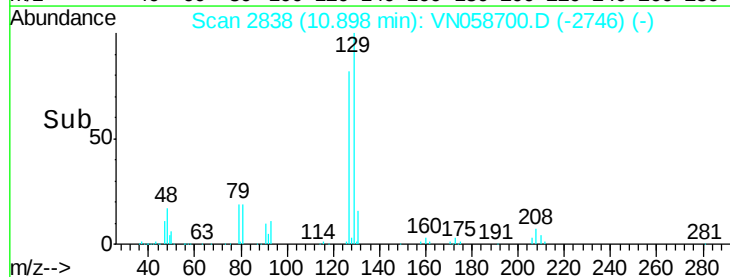
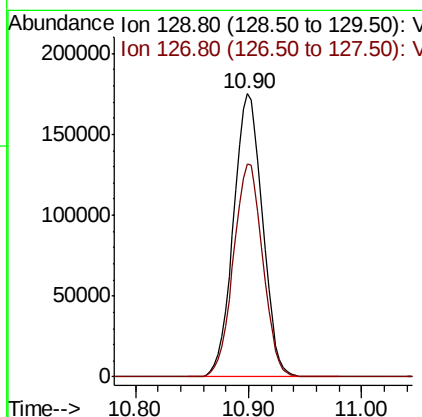
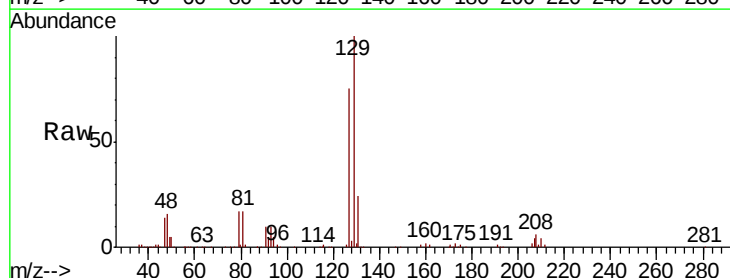
Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#60
Dibromochloromethane
Concen: 49.962 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion: 129 Resp: 313153
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.3





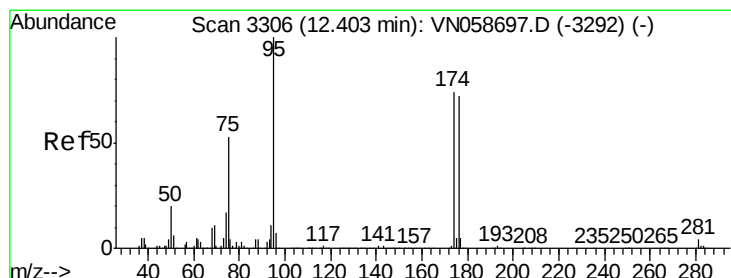
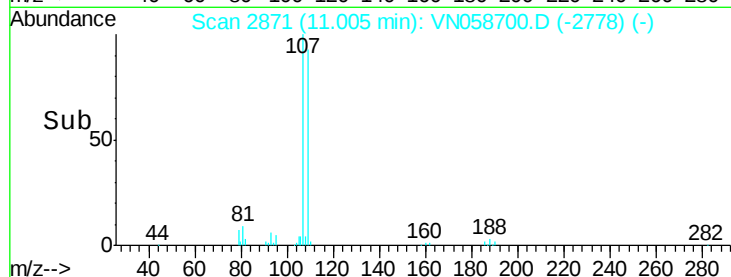
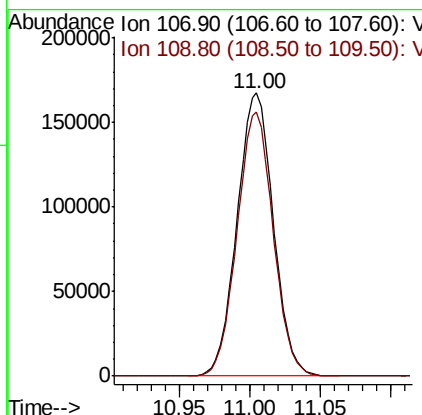
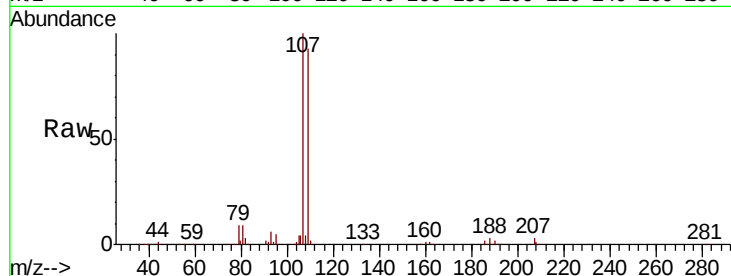
#61
 1,2-Dibromoethane
 Concen: 49.546 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

Tot Ion	Ratio	Resp	Lower	Upper
107	100	301595		
109	93.2	75.4	113.0	

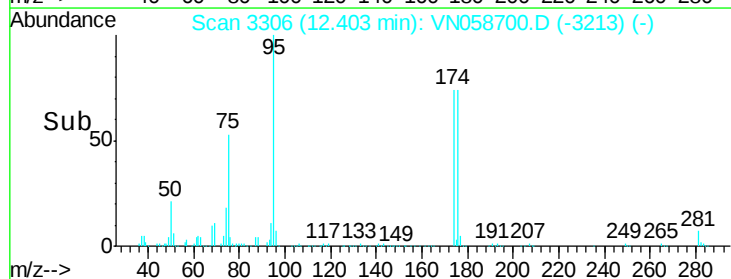
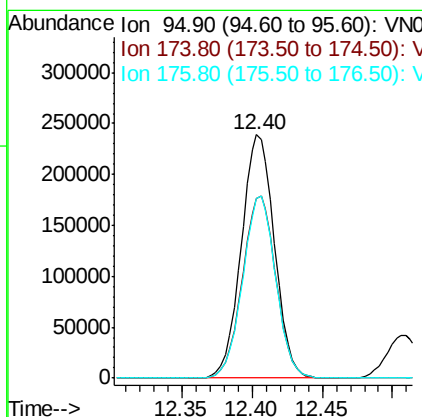
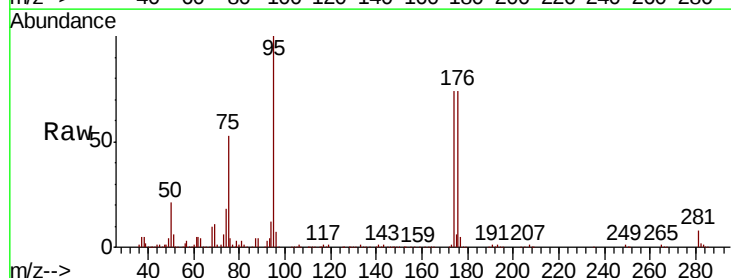
Manual Integrations
 APPROVED

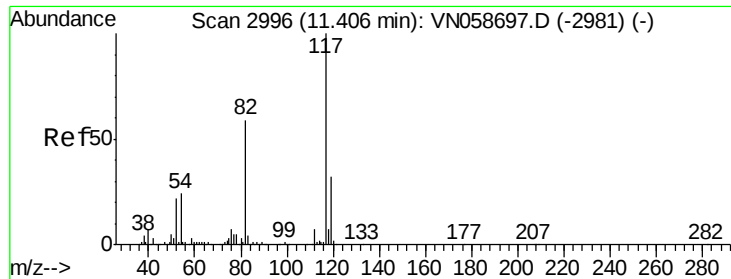
MMDadoda
 10/16/2019 12:48:23 AM



#62
 4-Bromofluorobenzene
 Concen: 50.335 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	393374		
174	75.5	0.0	150.4	
176	74.6	0.0	146.8	





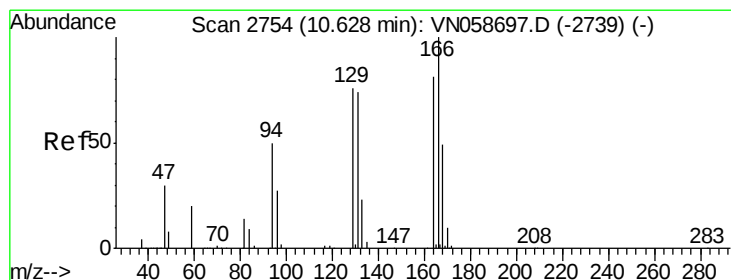
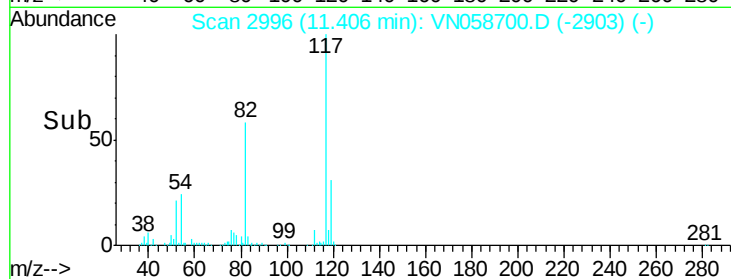
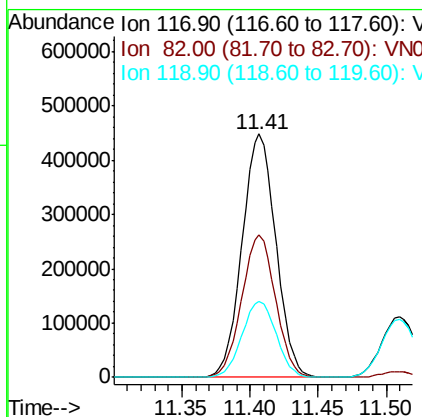
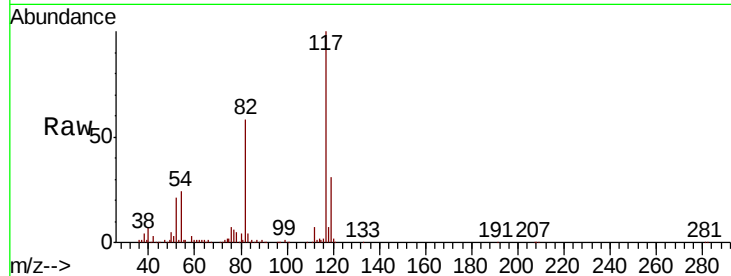
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion	Ratio	Resp	Lower	Upper
117	100	771149		
82	58.3		47.0	70.4
119	31.2		25.4	38.2

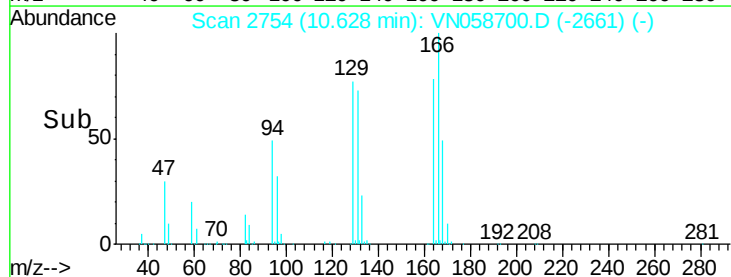
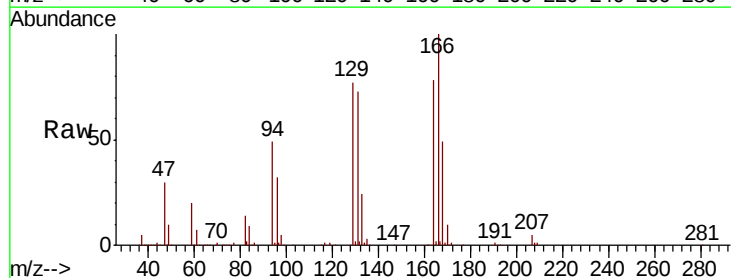
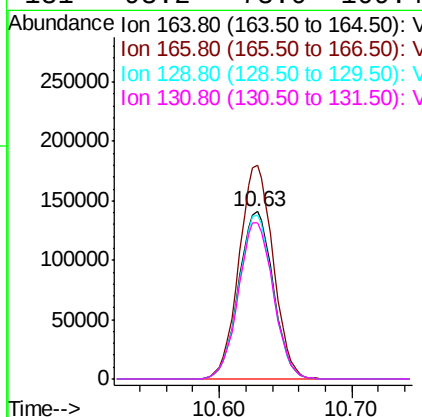
Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#64
Tetrachloroethene
Concen: 47.151 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	254460		
166	127.6		99.3	148.9
129	98.1		75.2	112.8
131	93.2		73.0	109.4





#65

Chlorobenzene

Concen: 49.050 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101319

Tot Ion:112 Resp: 768151

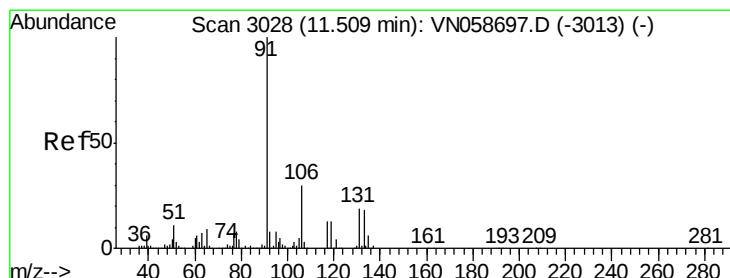
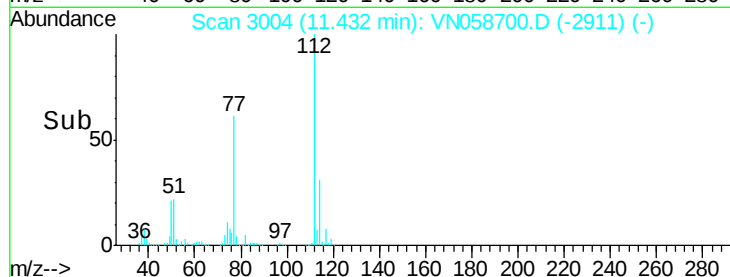
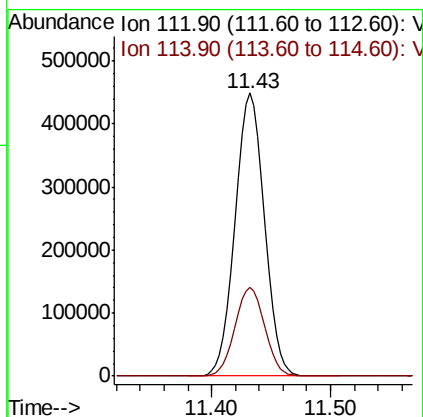
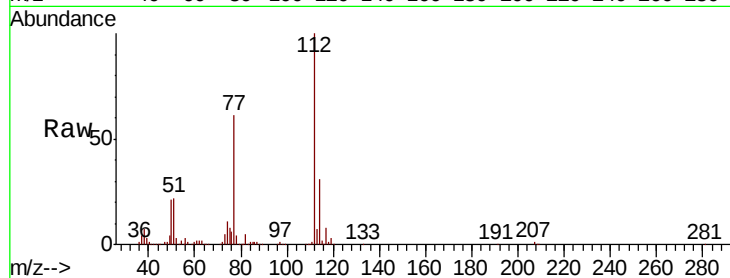
Ion Ratio Lower Upper

112 100

114 31.3 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 49.354 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

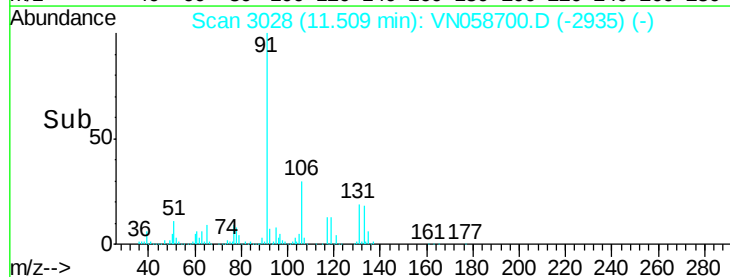
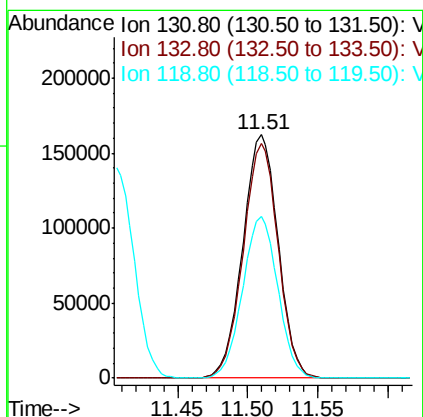
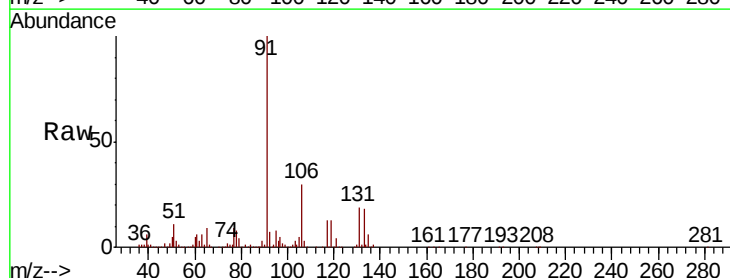
Tgt Ion:131 Resp: 285802

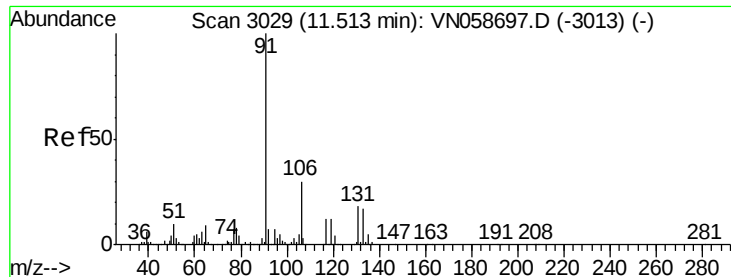
Ion Ratio Lower Upper

131 100

133 94.9 47.6 142.9

119 66.2 33.0 98.9





#67

Ethyl Benzene

Concen: 51.223 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVNN101319

Tot Ion: 91 Resp: 1429938

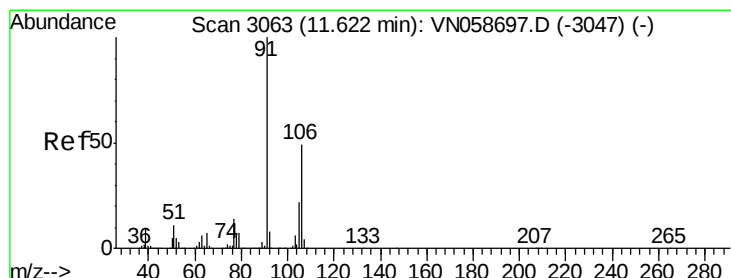
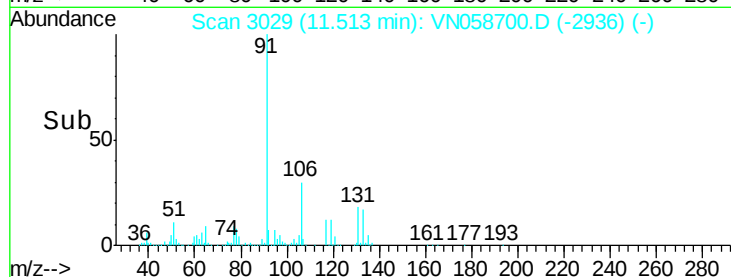
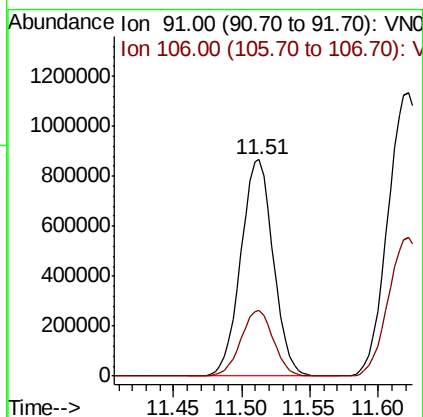
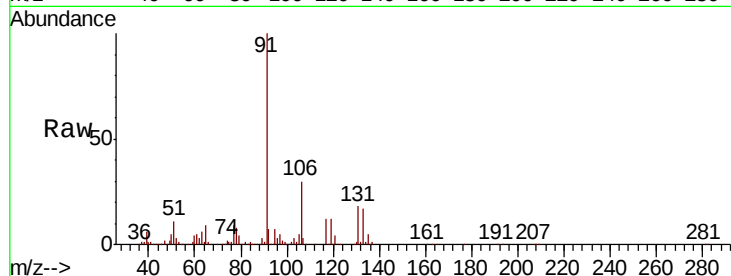
Ion Ratio Lower Upper

91 100

106 30.4 24.1 36.1

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#68

m/p-Xylenes

Concen: 101.478 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058700.D

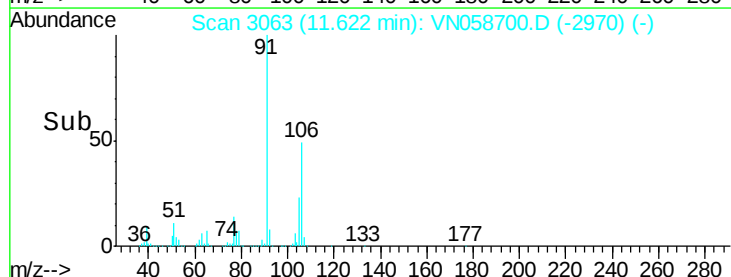
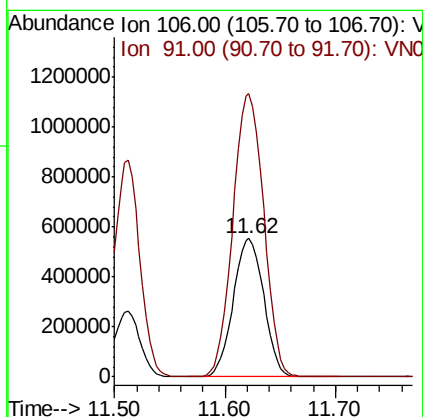
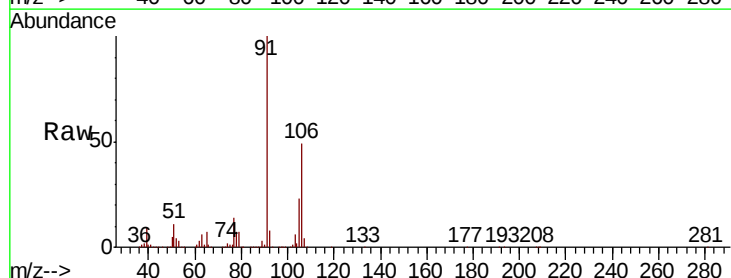
Acq: 11 Oct 2019 13:50

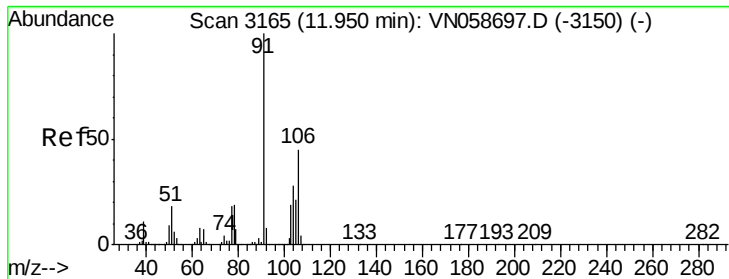
Tgt Ion: 106 Resp: 1063094

Ion Ratio Lower Upper

106 100

91 206.8 165.7 248.5





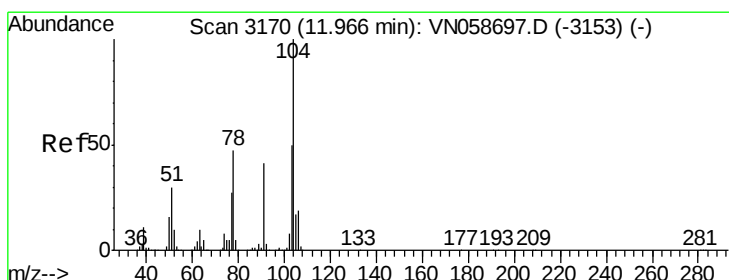
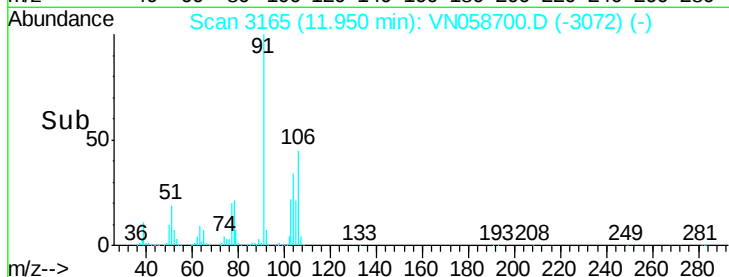
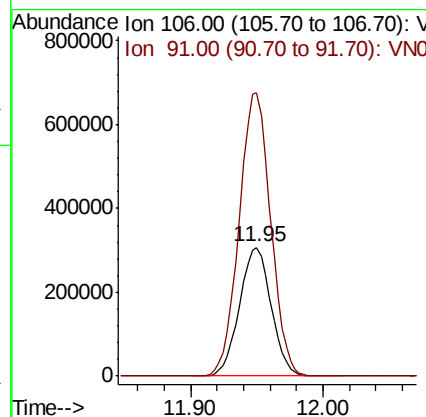
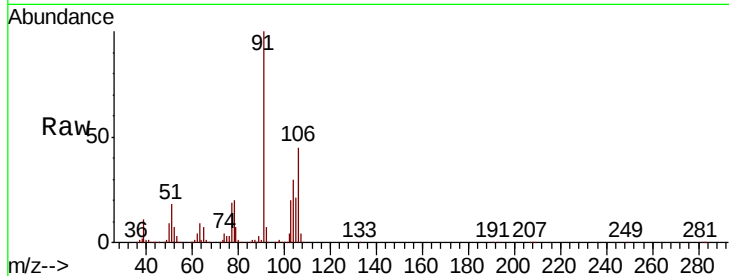
#69
o-Xylene
Concen: 50.222 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.1	110.9	332.9

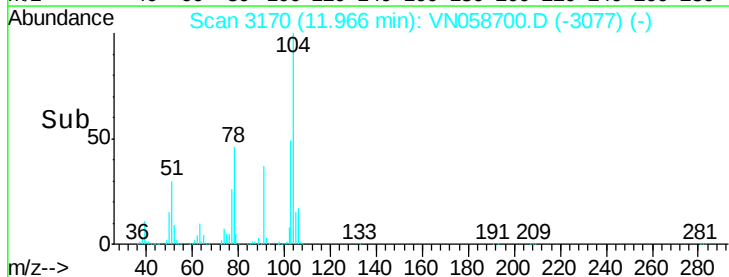
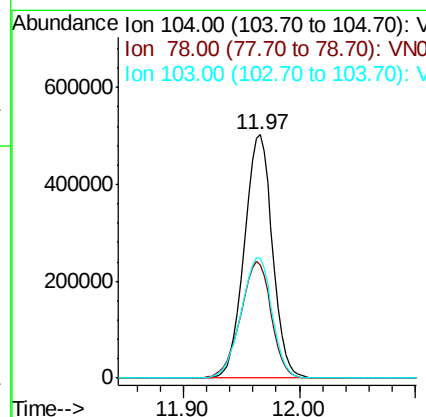
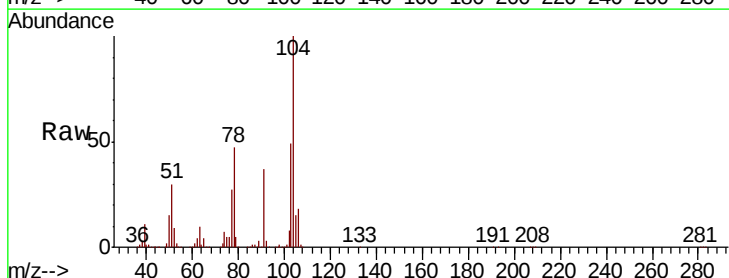
Manual Integrations
APPROVED

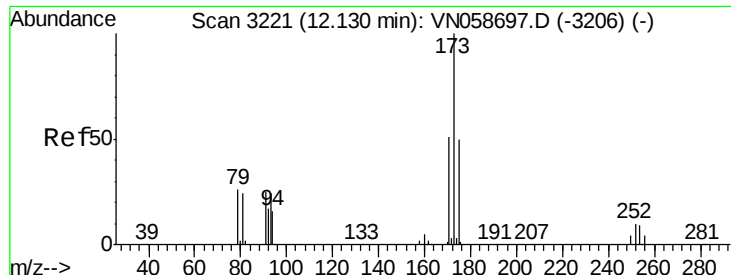
MMDadoda
10/16/2019 12:48:23 AM



#70
Styrene
Concen: 51.007 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.2	63.2
103	54.6	43.7	65.5





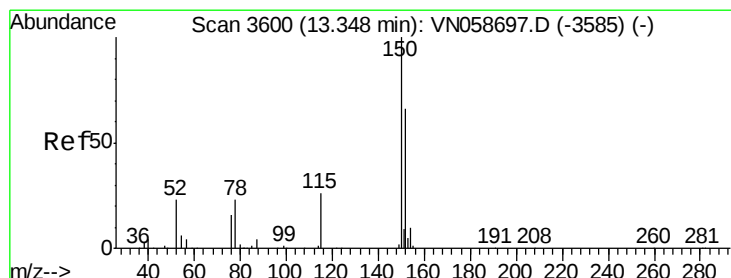
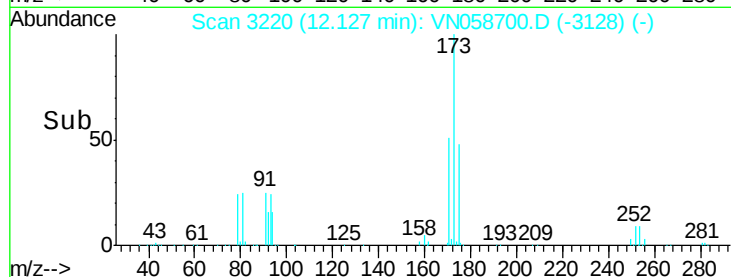
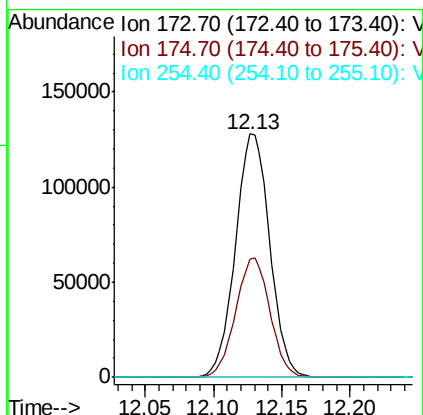
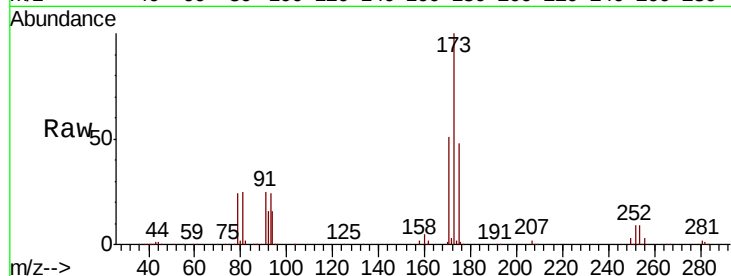
#71
Bromoform
Concen: 52.628 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.8
254	0.0	0.1	0.1#

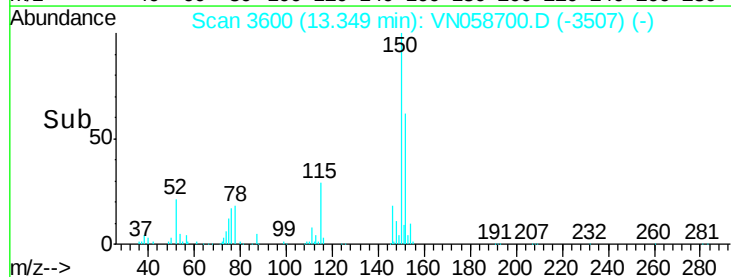
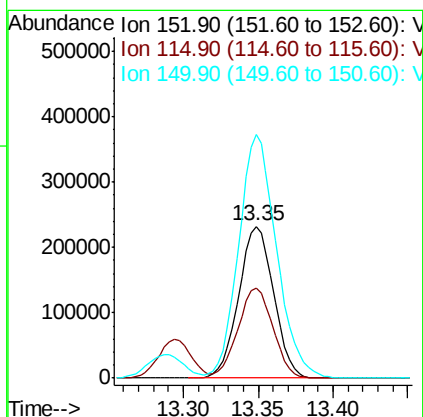
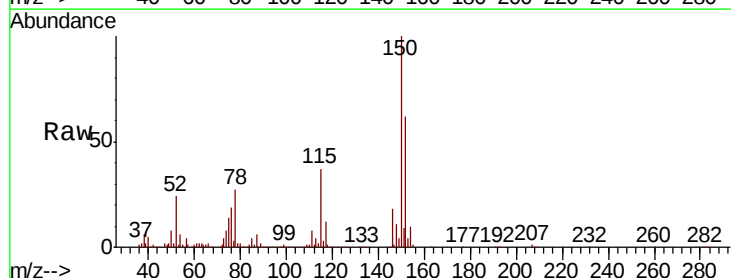
Manual Integrations
APPROVED

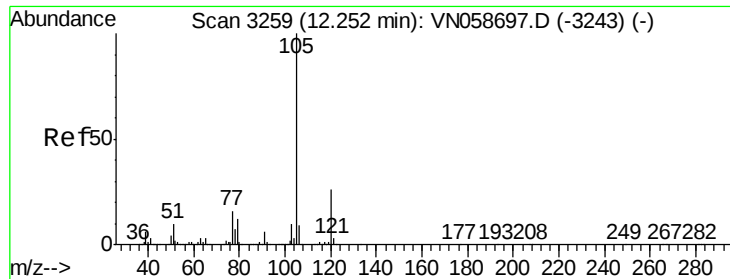
MMDadoda
10/16/2019 12:48:23 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	30.4	91.2
150	173.4	0.0	345.4





#73

Isopropylbenzene

Concen: 51.019 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101319

Tot Ion:105 Resp: 1398493

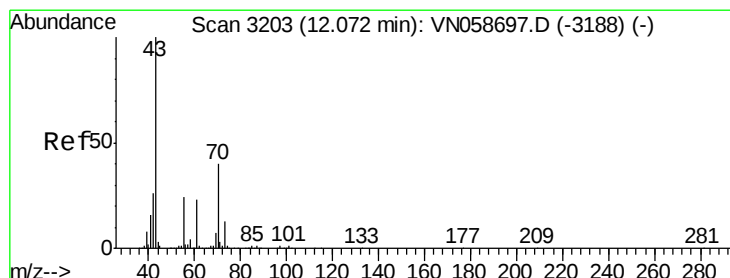
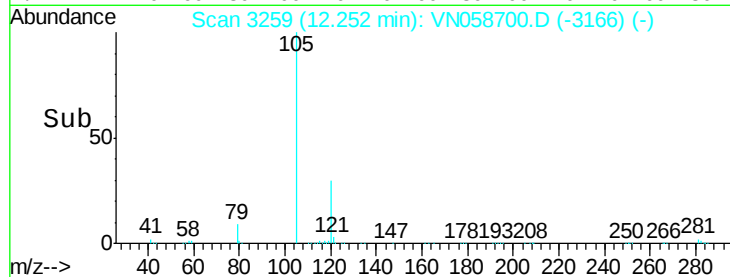
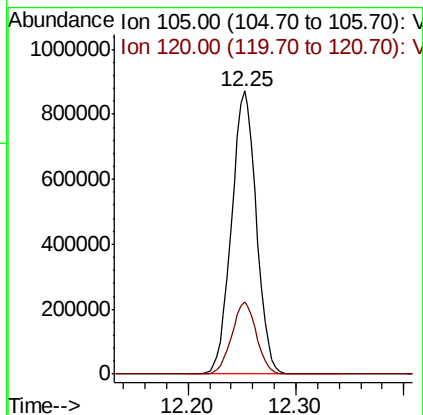
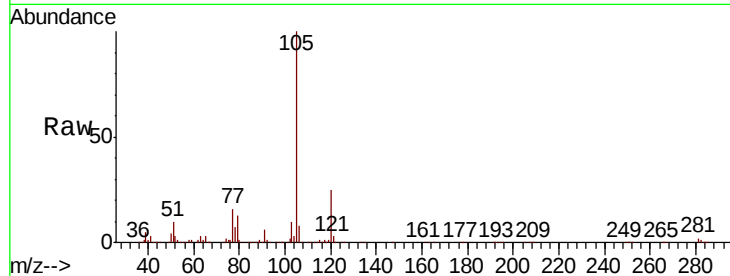
Ion Ratio Lower Upper

105 100

120 25.5 13.1 39.1

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#74

N-ethyl acetate

Concen: 53.897 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Tgt Ion: 43 Resp: 663553

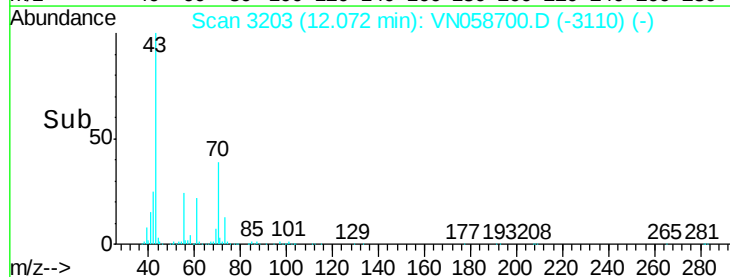
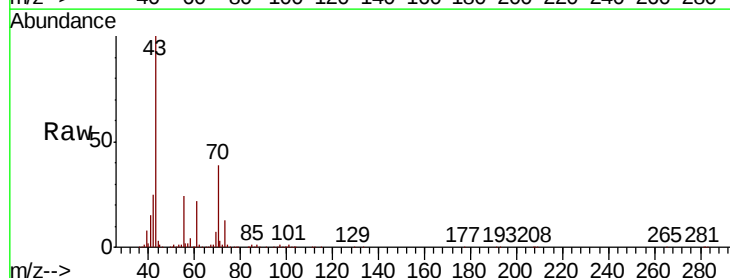
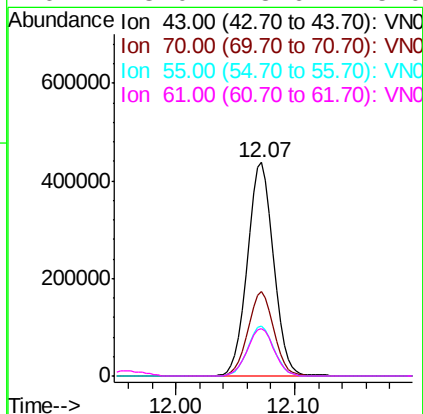
Ion Ratio Lower Upper

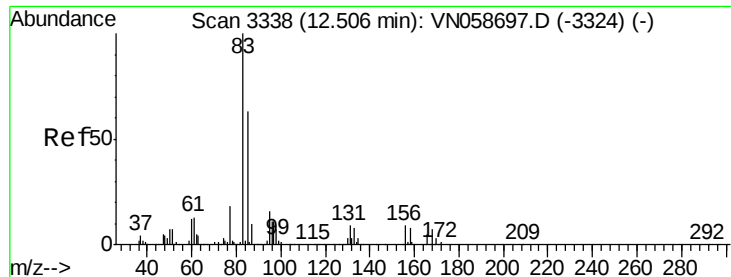
43 100

70 39.4 32.2 48.4

55 23.8 19.6 29.4

61 23.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.557 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

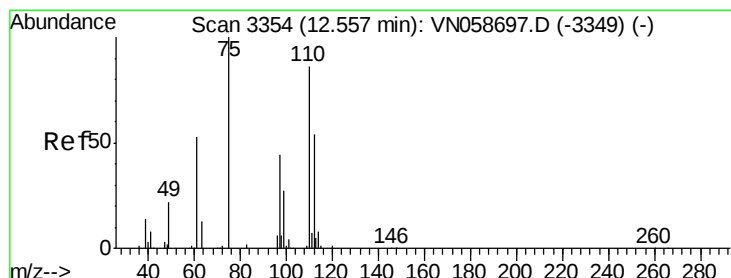
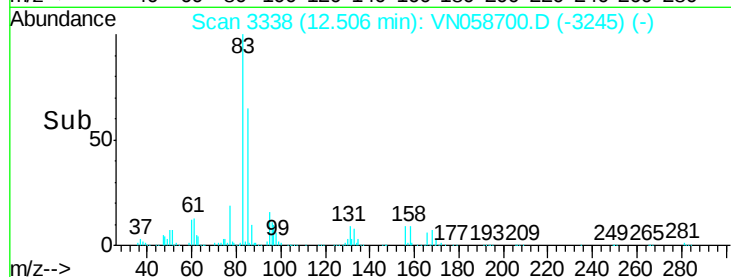
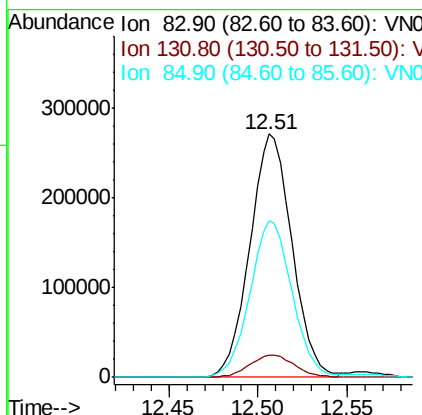
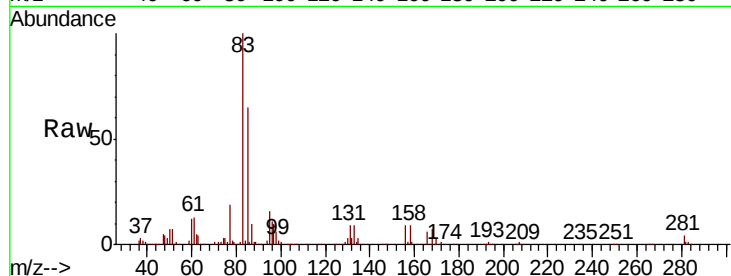
ClientSampleId :

ICVFN101319

Tot Ion:	83	Resp:	447507
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.8	14.4
85	64.5	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#76

1,2,3-Trichloropropane

Concen: 48.433 ug/l m

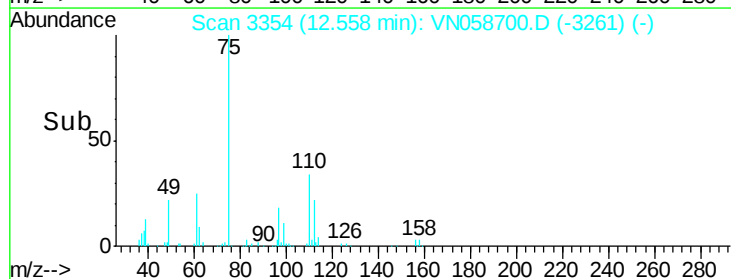
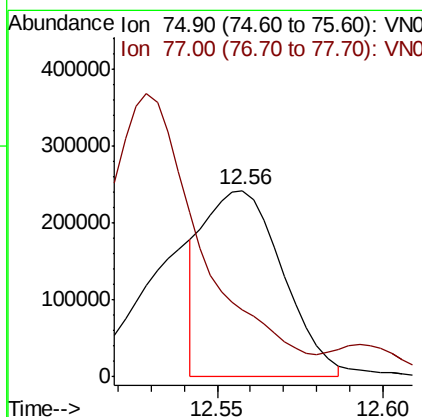
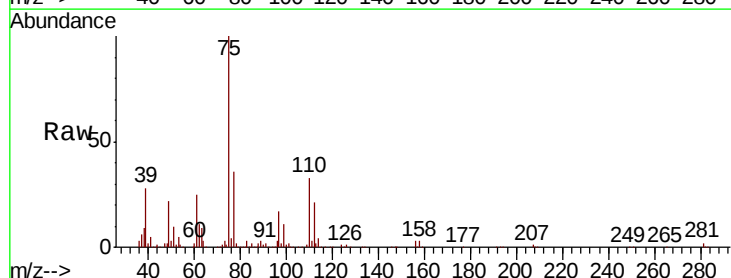
RT: 12.56 min Scan# 3354

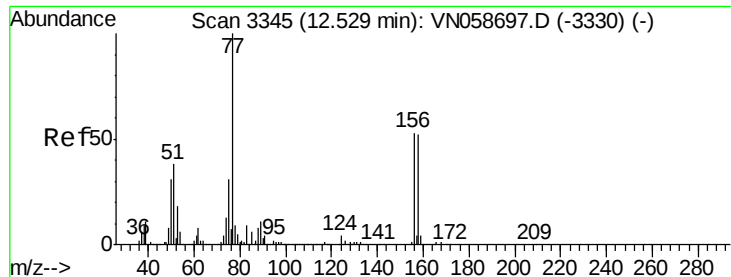
Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Tgt Ion:	75	Resp:	402152
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.704 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

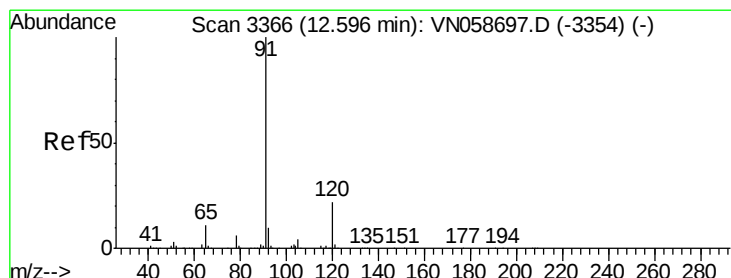
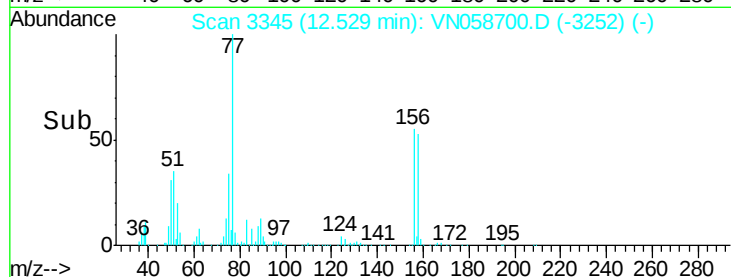
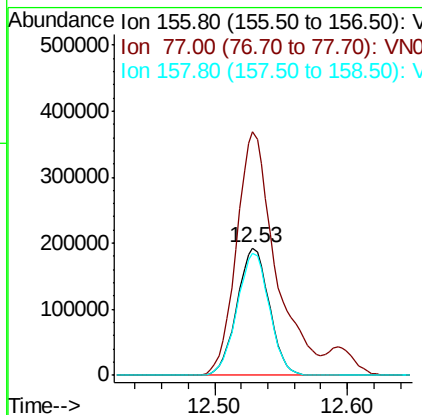
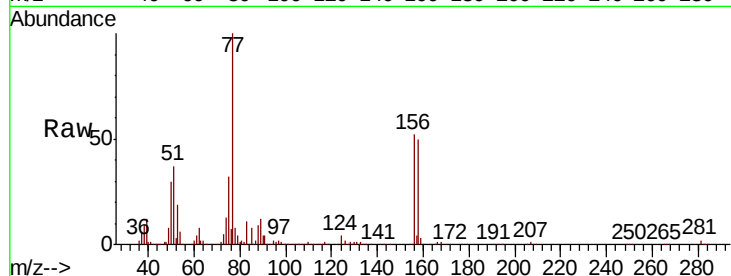
ClientSampleId :

ICVVN101319

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	231.7	115.8	347.3	
158	96.5	48.9	146.6	

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#78

n-propylbenzene

Concen: 51.777 ug/l

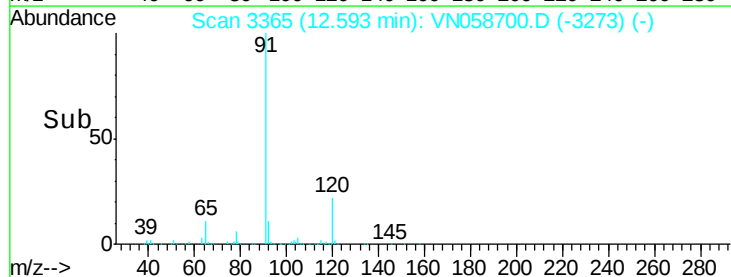
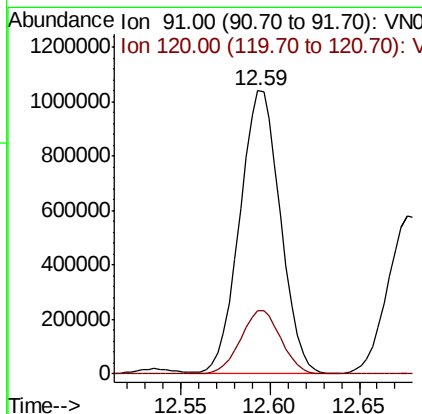
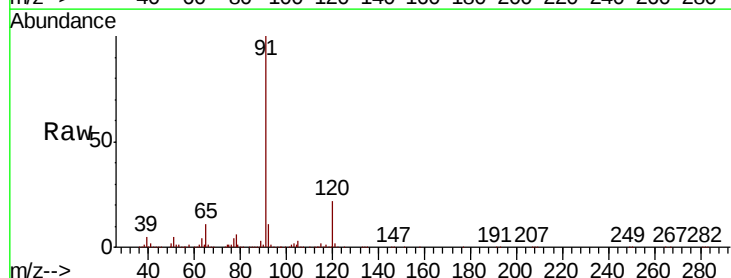
RT: 12.59 min Scan# 3365

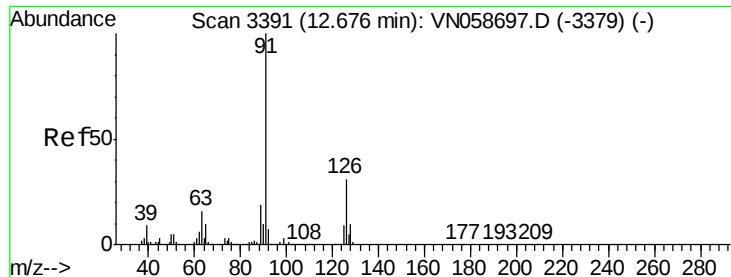
Delta R.T. -0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.2	11.1	33.3	





#79

2-Chlorotoluene

Concen: 48.576 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101319

Tot Ion: 91 Resp: 963034

Ion Ratio Lower Upper

91 100

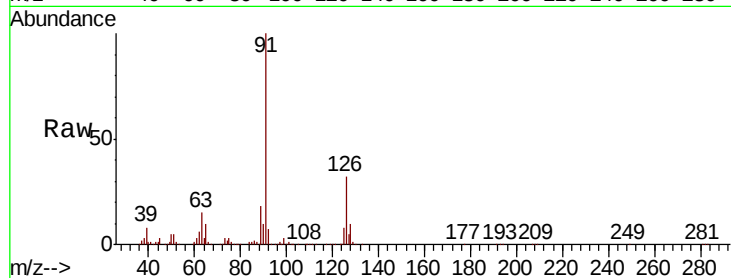
126 32.4 16.2 48.5

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:48:23 AM



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058697.D (-3379) (-)

800000

600000

400000

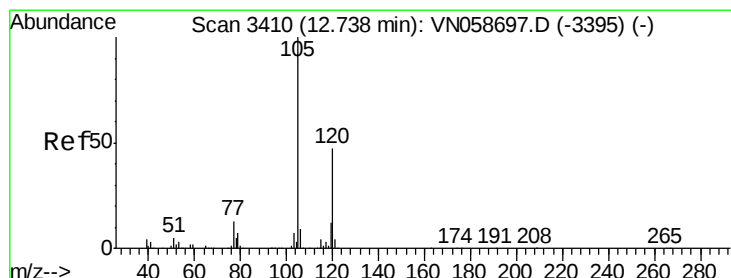
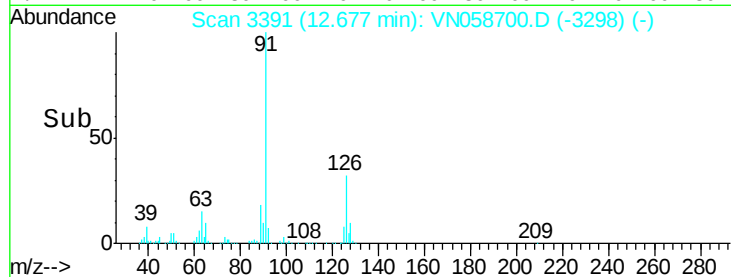
200000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.920 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058700.D

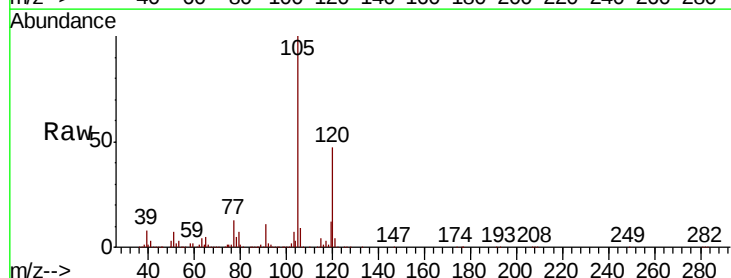
Acq: 11 Oct 2019 13:50

Tgt Ion: 105 Resp: 1191643

Ion Ratio Lower Upper

105 100

120 47.7 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058697.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN058697.D (-3395) (-)

800000

600000

400000

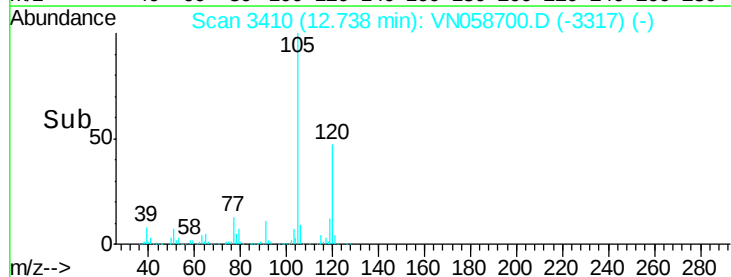
200000

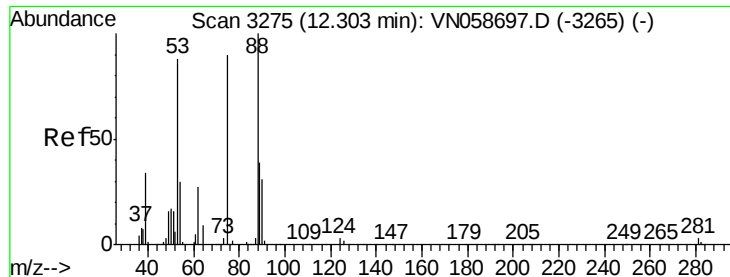
0

12.70

12.80

Time-->





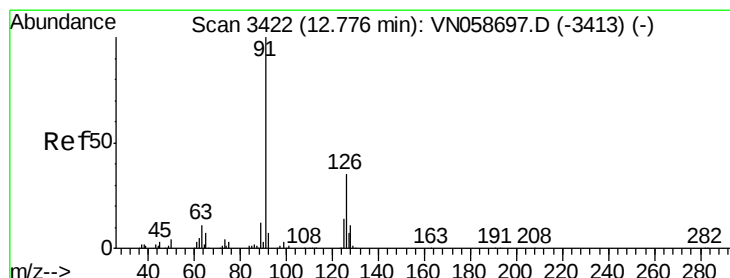
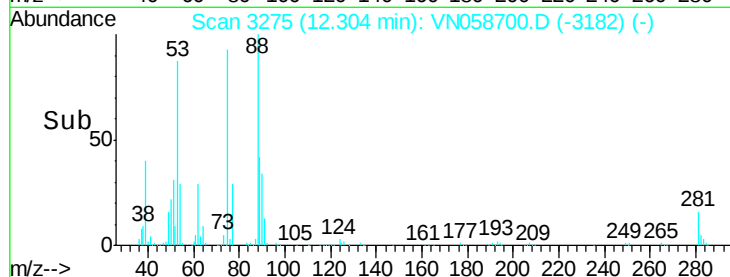
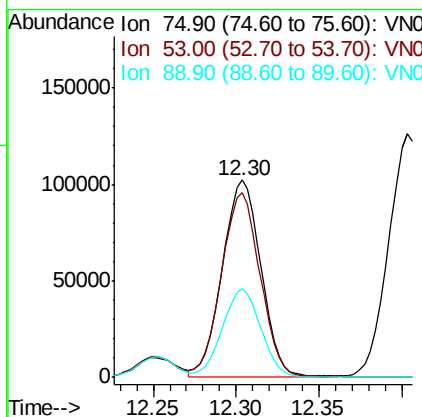
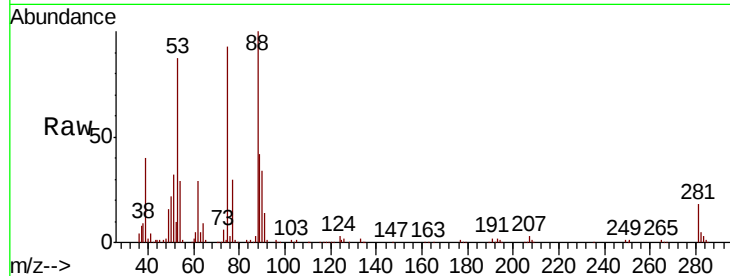
#81
trans-1,4-Dichloro-2-butene
Concen: 53.509 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.3	78.4	117.6
89	44.7	34.9	52.3

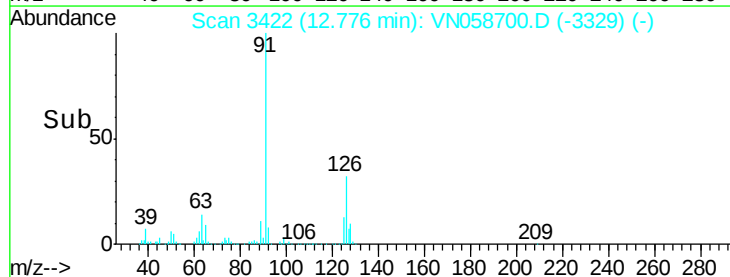
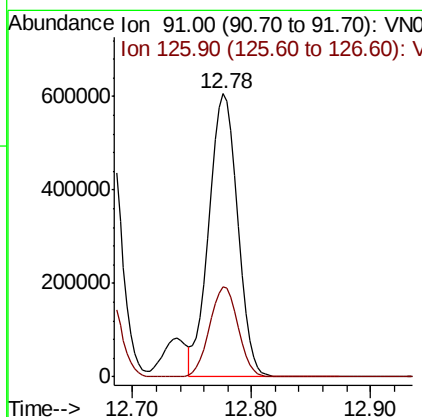
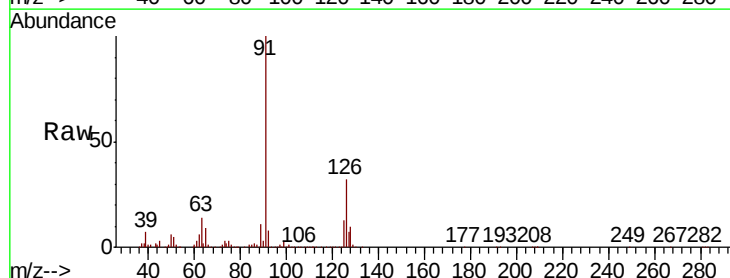
Manual Integrations
APPROVED

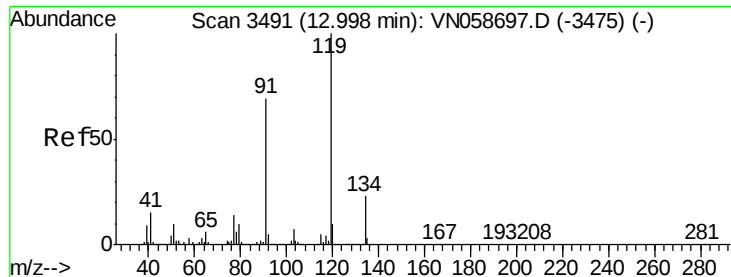
MMDadoda
10/16/2019 12:48:23 AM



#82
4-Chlorotoluene
Concen: 49.765 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.6





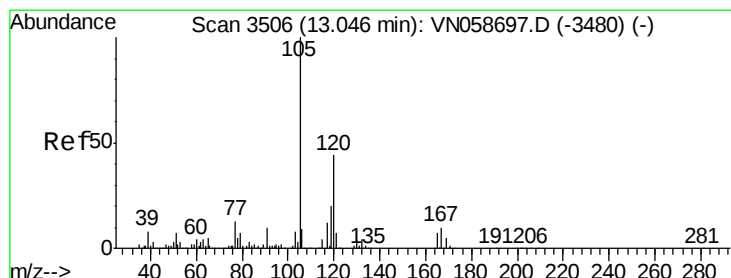
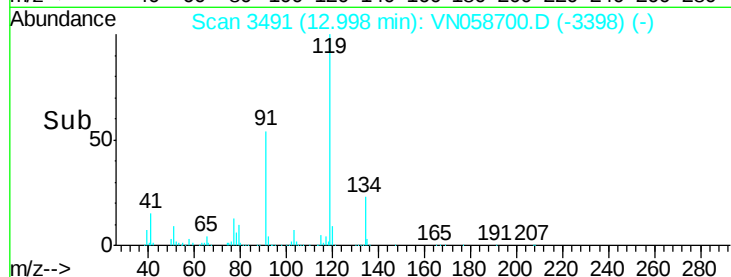
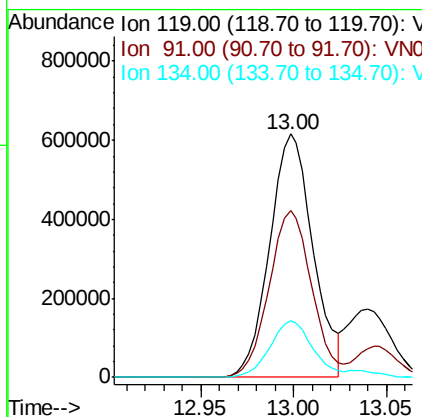
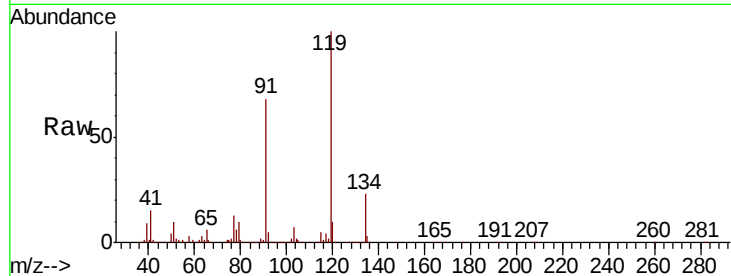
#83
 tert-Butylbenzene
 Concen: 50.314 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.8	101.3
134	22.8	12.6	37.6

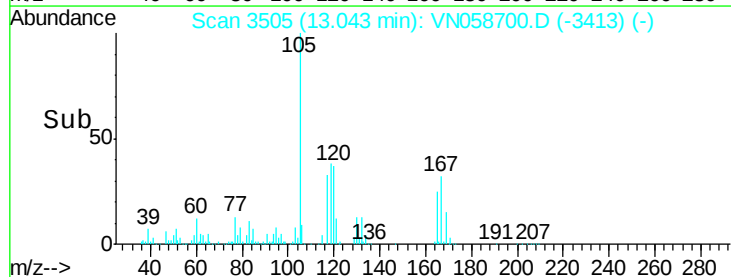
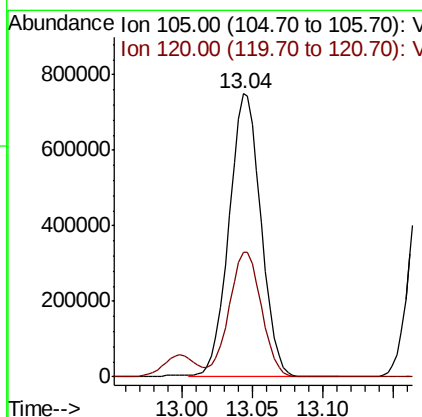
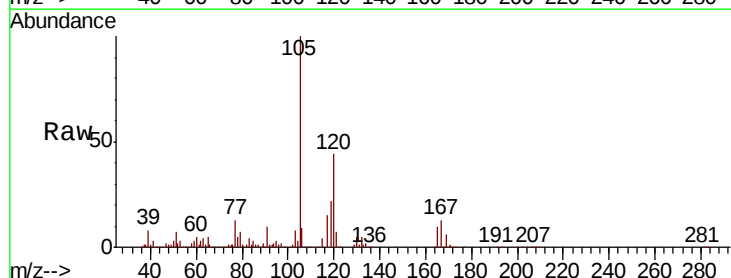
Manual Integrations
 APPROVED

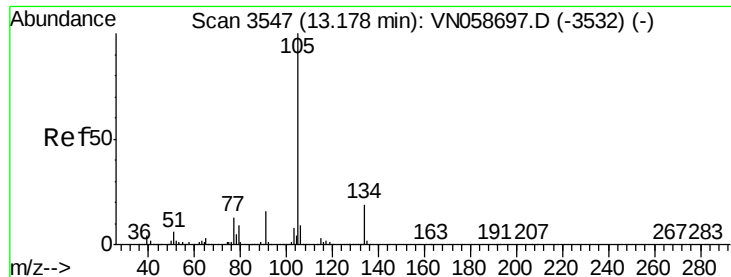
MMDadoda
 10/16/2019 12:48:23 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.062 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.9	65.7





#85

sec-Butylbenzene

Concen: 51.734 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101319

Tot Ion:105 Resp: 1366628

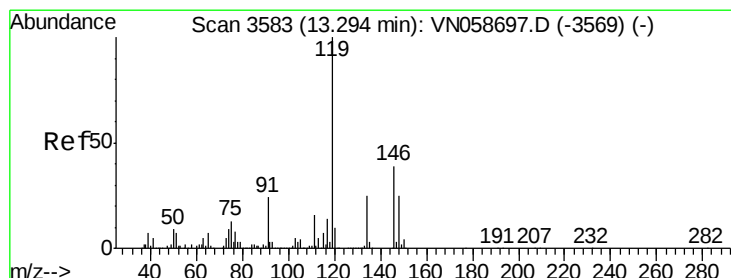
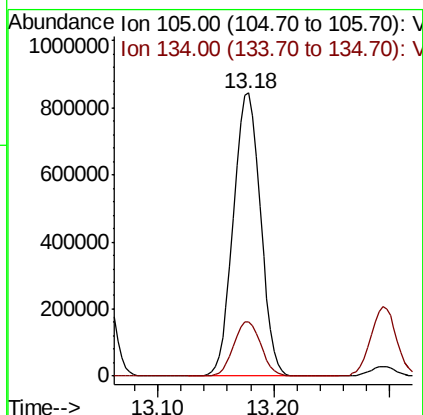
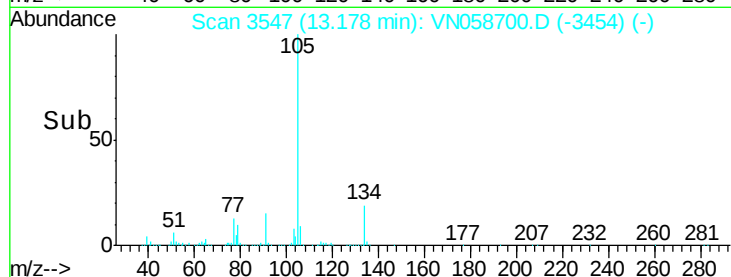
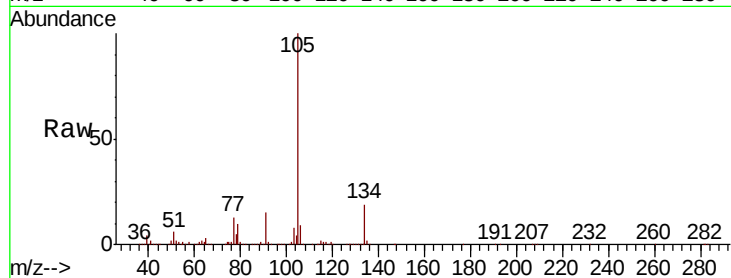
Ion Ratio Lower Upper

105 100

134 19.2 9.7 29.1

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#86

p-Isopropyltoluene

Concen: 51.748 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

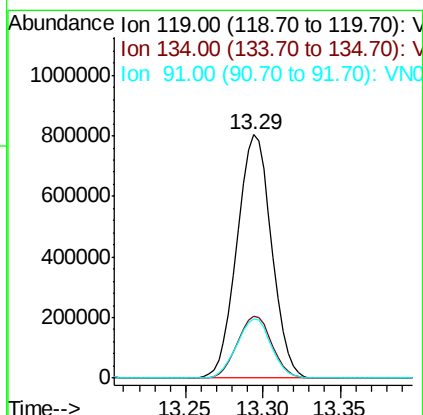
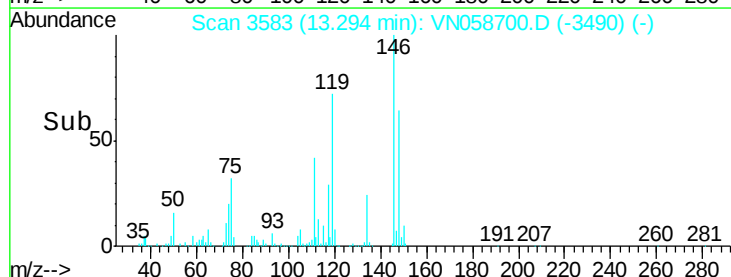
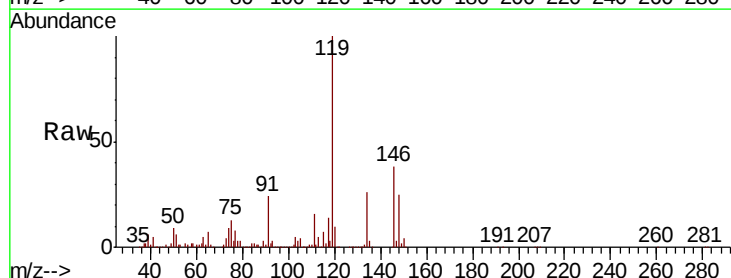
Tgt Ion:119 Resp: 1242422

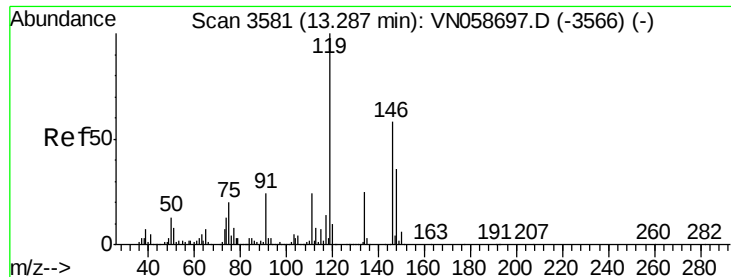
Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

91 24.3 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 48.654 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058700.D

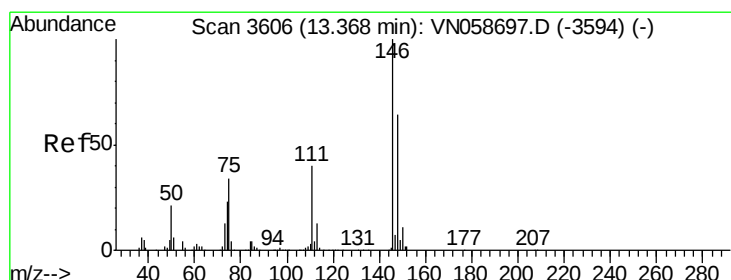
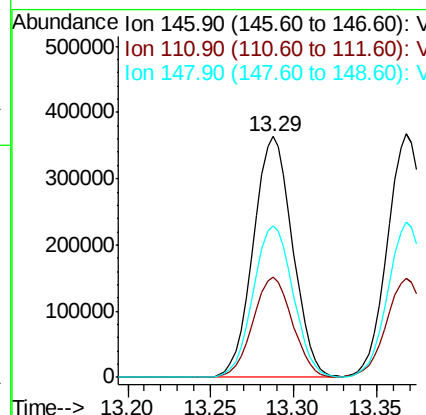
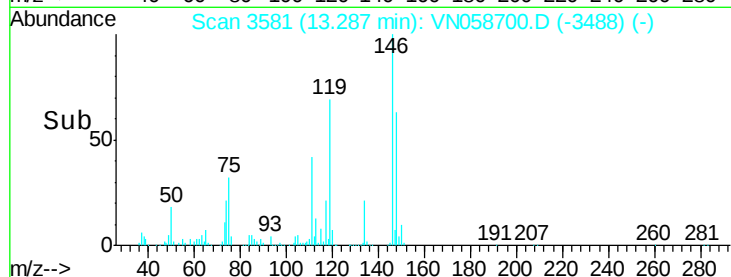
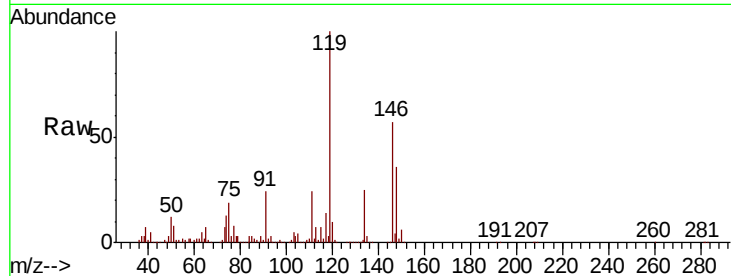
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion	Ratio	Resp Lower	Upper
146	100		
111	41.6	20.5	61.6
148	64.0	31.3	93.9

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#88

1,4-Dichlorobenzene

Concen: 47.492 ug/l

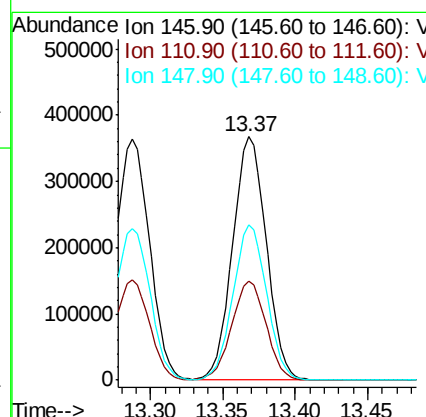
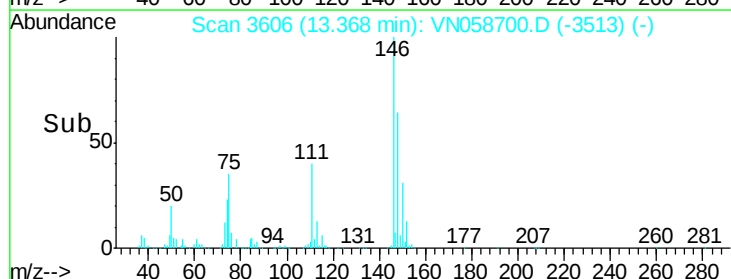
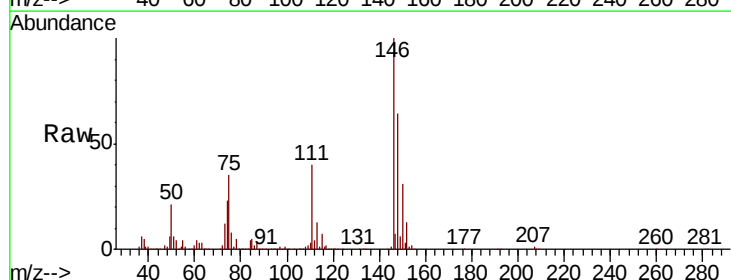
RT: 13.37 min Scan# 3606

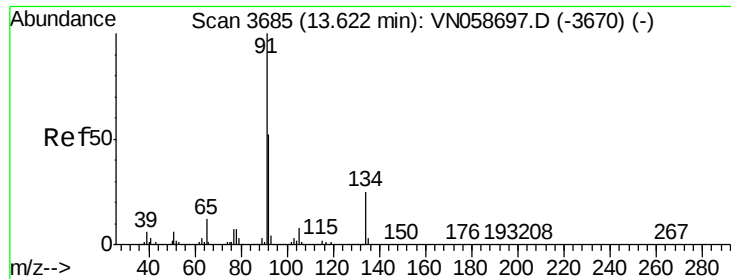
Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	41.1	20.1	60.2
148	63.4	31.9	95.7





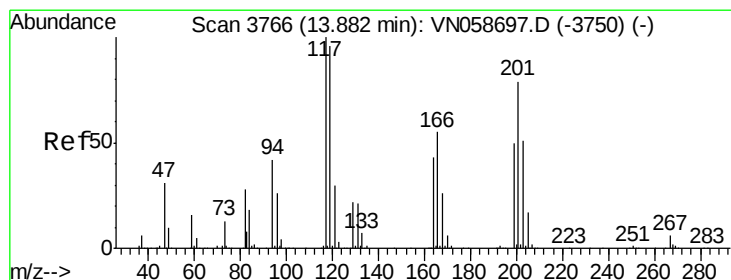
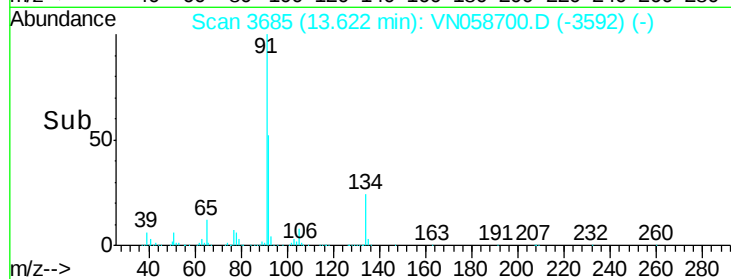
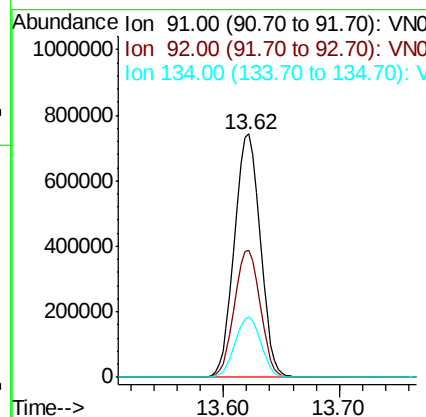
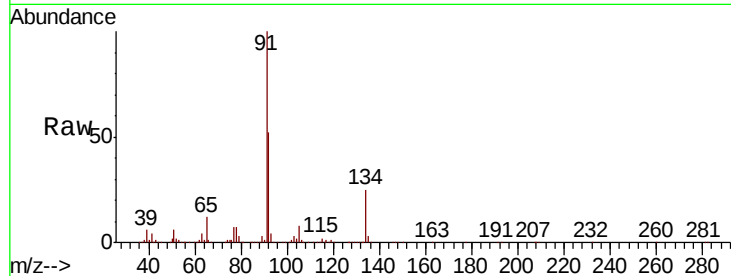
#89
n-Butylbenzene
Concen: 51.514 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion: 91 Resp: 1143616
Ion Ratio Lower Upper
91 100
92 52.2 26.0 78.0
134 24.7 12.2 36.6

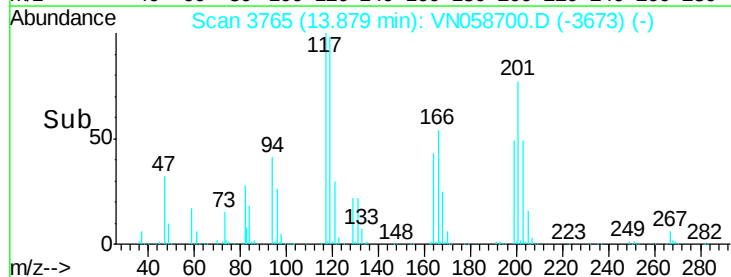
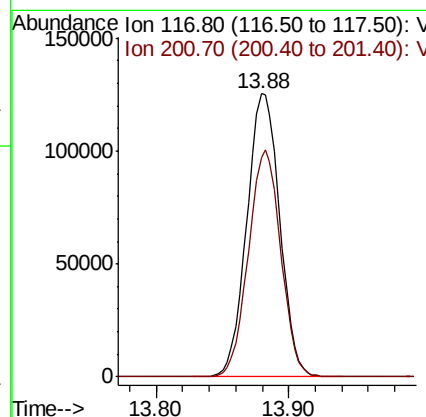
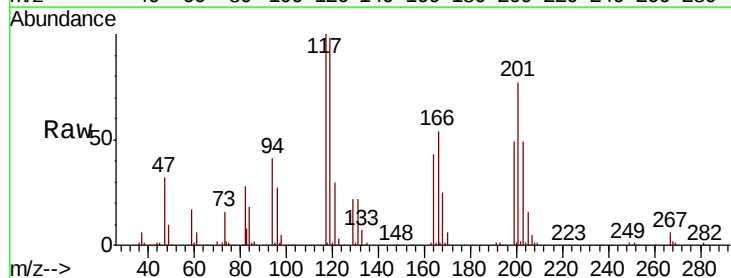
Manual Integrations
APPROVED

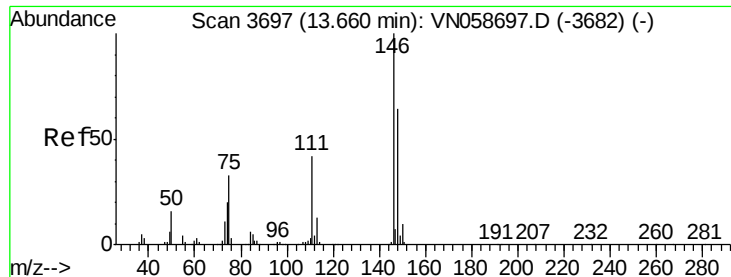
MMDadoda
10/16/2019 12:48:23 AM



#90
Hexachloroethane
Concen: 50.401 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion: 117 Resp: 216519
Ion Ratio Lower Upper
117 100
201 78.6 39.6 118.7





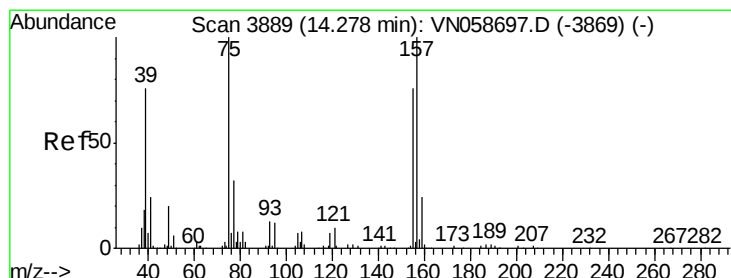
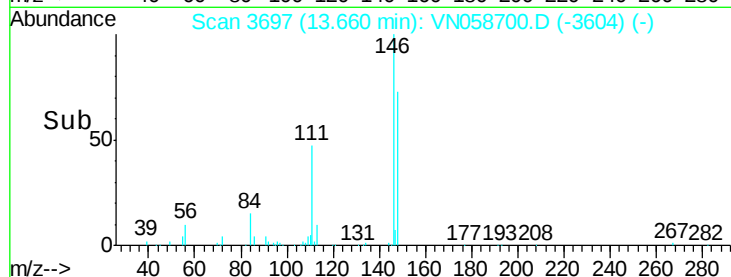
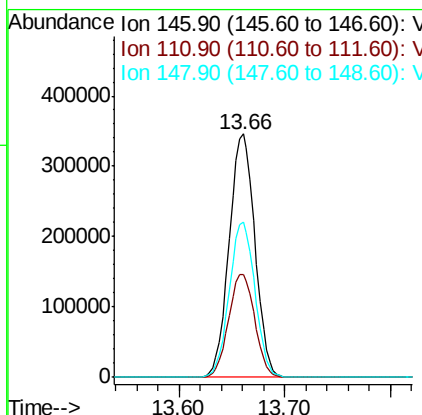
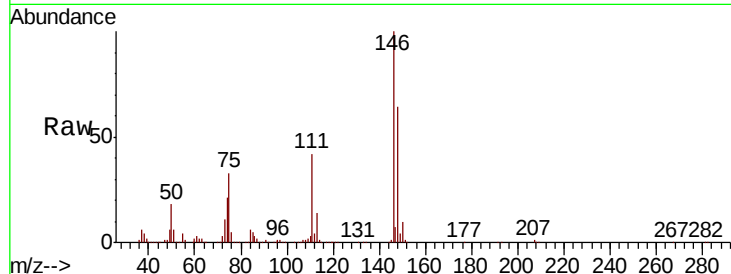
#91
 1,2-Dichlorobenzene
 Concen: 48.620 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

Tot Ion	Ratio	Resp	Lower	Upper
146	100	582663		
111	43.1	21.1	63.4	
148	63.8	31.8	95.3	

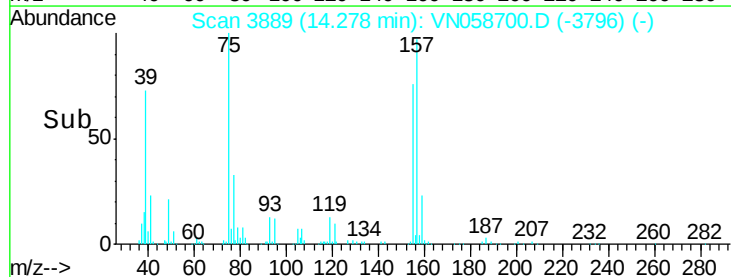
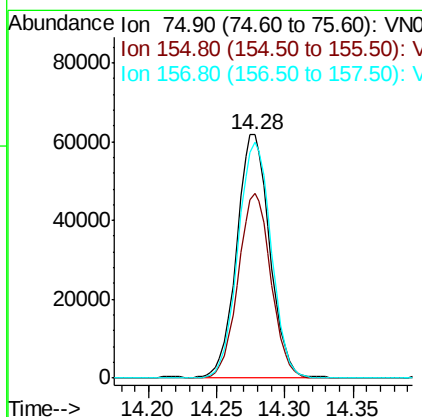
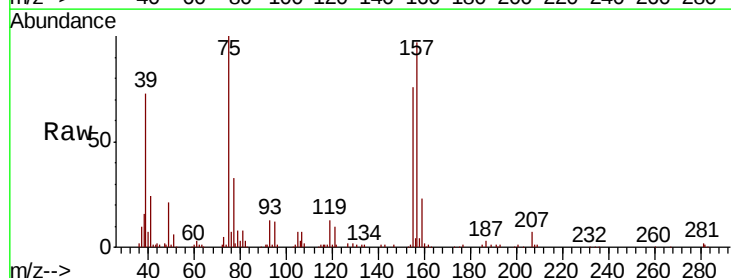
Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:23 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.764 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	102874		
155	75.4	37.9	113.6	
157	98.1	49.4	148.2	





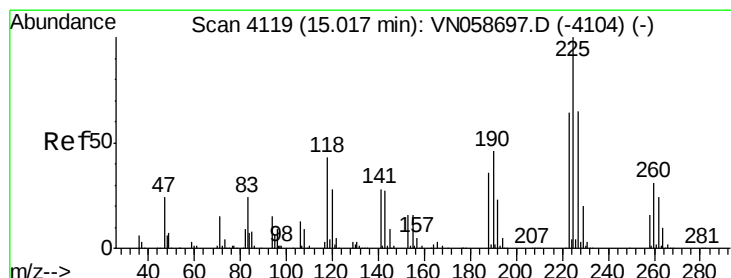
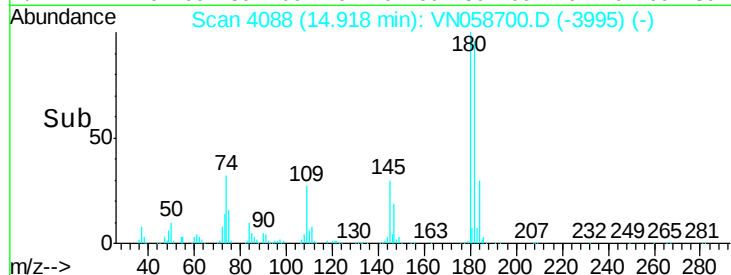
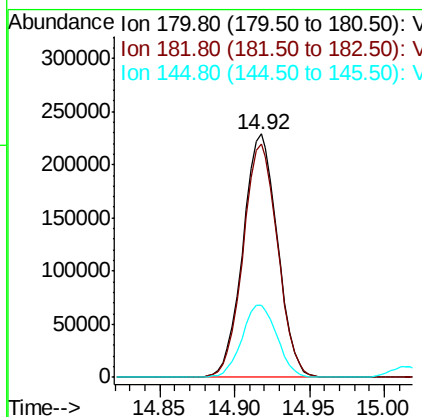
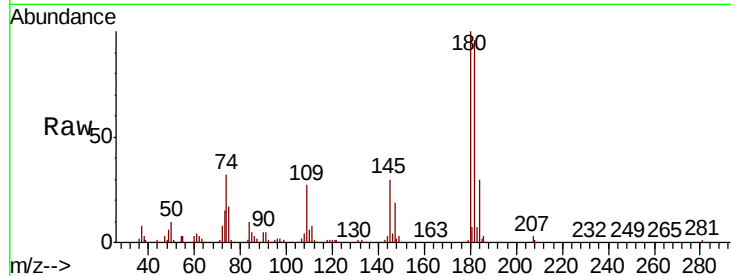
#93
 1,2,4-Trichlorobenzene
 Concen: 50.266 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

Tot Ion	Ratio	Resp	Lower	Upper
180	100	367469		
182	96.1	47.4	142.2	
145	30.1	15.4	46.2	

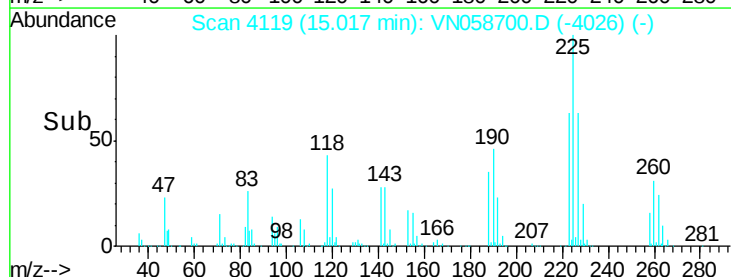
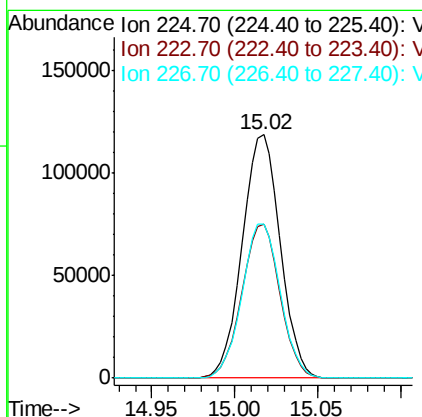
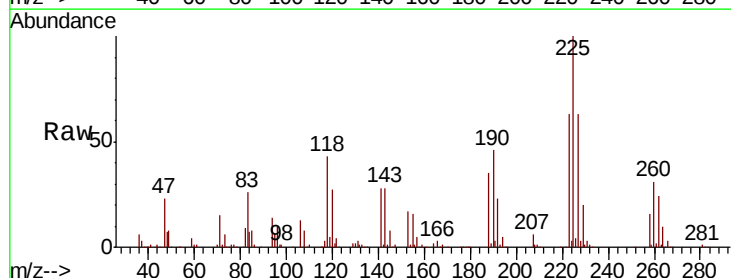
Manual Integrations
 APPROVED

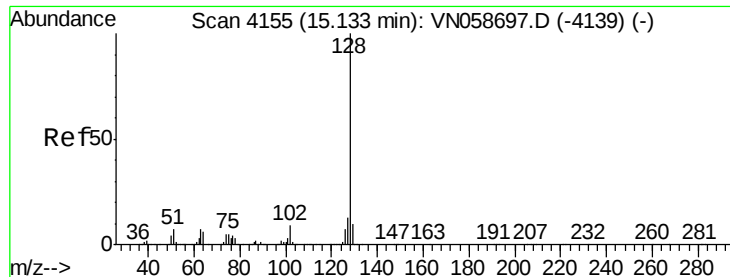
MMDadoda
 10/16/2019 12:48:23 AM



#94
 Hexachlorobutadiene
 Concen: 49.169 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	189288		
223	63.4	32.3	96.8	
227	63.7	32.4	97.0	





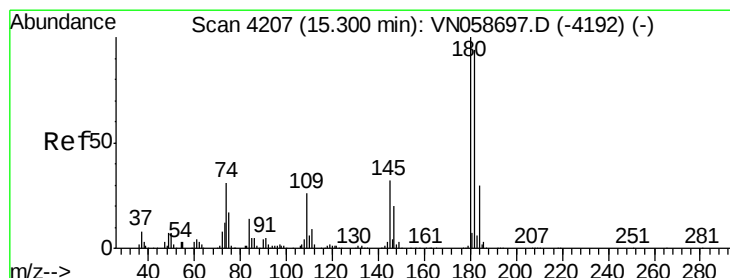
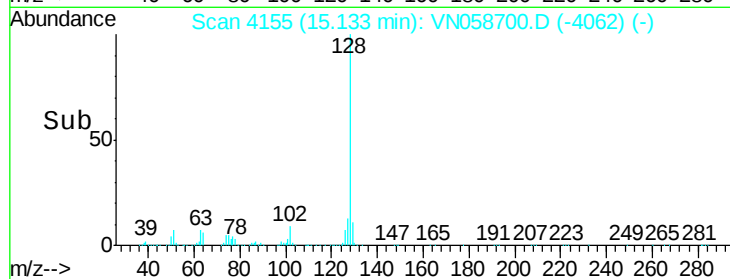
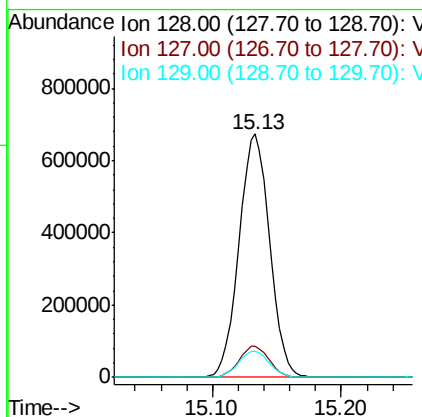
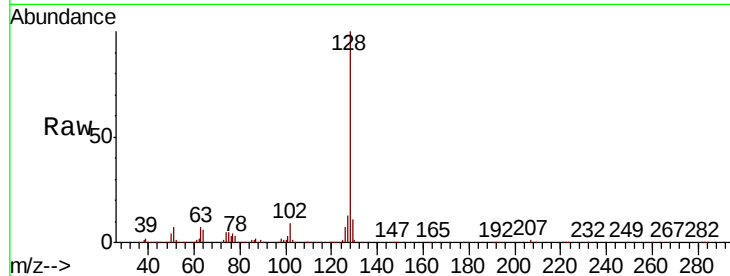
#95
Naphthalene
Concen: 52.877 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:23 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.877 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	142.0
145	32.4	16.2	48.6

