

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058792.D
 Acq On : 16 Oct 2019 10:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:51:24 AM

Quant Time: Oct 17 07:57:44 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	426999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	682568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	637305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	308508	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	301326	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
35) Dibromofluoromethane	7.57	113	215754	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	10.08	98	851595	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	317768	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	268835	50.552	ug/l	100
3) Chloromethane	2.04	50	313005	49.496	ug/l	99
4) Vinyl Chloride	2.17	62	322846	51.259	ug/l	99
5) Bromomethane	2.54	94	197906	51.653	ug/l	99
6) Chloroethane	2.68	64	197818	50.920	ug/l	98
7) Trichlorofluoromethane	3.00	101	386516	51.277	ug/l	99
8) Diethyl Ether	3.39	74	142120	51.029	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	218692	50.883	ug/l	98
10) Methyl Iodide	3.93	142	294715	50.249	ug/l	99
11) Tert butyl alcohol	4.75	59	264035	272.726	ug/l	100
12) 1,1-Dichloroethene	3.72	96	207845	50.685	ug/l	97
13) Acrolein	3.58	56	163693	210.234	ug/l	99
14) Allyl chloride	4.30	41	431001	52.082	ug/l	98
15) Acrylonitrile	4.96	53	668156	273.668	ug/l	99
16) Acetone	3.79	43	725996	293.353	ug/l	98
17) Carbon Disulfide	4.03	76	622382	47.481	ug/l	100
18) Methyl Acetate	4.30	43	339001	54.002	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	770313	52.606	ug/l	96
20) Methylene Chloride	4.53	84	248078	47.963	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	229234	49.975	ug/l	98
22) Diisopropyl ether	5.93	45	860755	53.495	ug/l	97
23) Vinyl Acetate	5.87	43	3683397	283.702	ug/l	99
24) 1,1-Dichloroethane	5.82	63	472028	51.509	ug/l	99
25) 2-Butanone	6.81	43	992953	277.586	ug/l	99
26) 2,2-Dichloropropane	6.80	77	417878	49.954	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	263940	49.344	ug/l	99
28) Bromochloromethane	7.17	49	165150	51.802	ug/l	97
29) Tetrahydrofuran	7.19	42	627488	271.448	ug/l	100
30) Chloroform	7.35	83	468824	50.920	ug/l	100
31) Cyclohexane	7.63	56	431551	49.217	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	406234	51.736	ug/l	100
36) 1,1-Dichloropropene	7.77	75	349814	50.689	ug/l	99
37) Ethyl Acetate	6.91	43	391974	56.161	ug/l	98
38) Carbon Tetrachloride	7.76	117	353439	52.548	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058792.D
 Acq On : 16 Oct 2019 10:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:51:24 AM

Quant Time: Oct 17 07:57:44 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	408284	50.984	ug/l	99
40) Benzene	8.02	78	1026920	51.812	ug/l	99
41) Methacrylonitrile	7.16	41	174024m	53.265	ug/l	
42) 1,2-Dichloroethane	8.11	62	393781	51.713	ug/l	99
43) Isopropyl Acetate	8.15	43	631575	53.119	ug/l	99
44) Trichloroethene	8.82	130	247093	50.202	ug/l	97
45) 1,2-Dichloropropane	9.11	63	280819	52.925	ug/l	100
46) Dibromomethane	9.20	93	179035	53.221	ug/l	99
47) Bromodichloromethane	9.39	83	369554	53.947	ug/l	99
48) Methyl methacrylate	9.19	41	290420	53.886	ug/l	99
49) 1,4-Dioxane	9.19	88	95498	1145.349	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1971342	295.223	ug/l	99
52) Toluene	10.15	92	628989	51.886	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	422791	53.812	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	453039	54.308	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	248611	50.106	ug/l	99
56) Ethyl methacrylate	10.43	69	406376	56.063	ug/l	99
57) 1,3-Dichloropropane	10.70	76	441046	52.164	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	951263	272.314	ug/l	99
59) 2-Hexanone	10.75	43	1512191	293.039	ug/l	100
60) Dibromochloromethane	10.90	129	276871	54.094	ug/l	100
61) 1,2-Dibromoethane	11.00	107	261320	52.571	ug/l	100
64) Tetrachloroethene	10.63	164	220056	49.339	ug/l	95
65) Chlorobenzene	11.43	112	668451	51.648	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	250333	52.308	ug/l	99
67) Ethyl Benzene	11.51	91	1241964	53.833	ug/l	99
68) m/p-Xylenes	11.62	106	914457	105.622	ug/l	99
69) o-Xylene	11.95	106	435257	51.961	ug/l	100
70) Styrene	11.97	104	732687	53.367	ug/l	99
71) Bromoform	12.13	173	198712	56.647	ug/l	99
73) Isopropylbenzene	12.25	105	1206072	53.980	ug/l	99
74) N-amyl acetate	12.07	43	567101	56.512	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	388060	52.723	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	347591m	51.359	ug/l	
77) Bromobenzene	12.53	156	280500	51.614	ug/l	98
78) n-propylbenzene	12.59	91	1432546	55.023	ug/l	100
79) 2-Chlorotoluene	12.68	91	841497	52.075	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1029678	53.980	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	141817	56.130	ug/l	99
82) 4-Chlorotoluene	12.78	91	881666	53.170	ug/l	100
83) tert-Butylbenzene	13.00	119	873027	53.425	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1035558	54.686	ug/l	99
85) sec-Butylbenzene	13.18	105	1191191	55.322	ug/l	99
86) p-Isopropyltoluene	13.29	119	1074912	54.927	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	518686	51.753	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	512657	50.310	ug/l	99
89) n-Butylbenzene	13.62	91	980665	54.195	ug/l	100
90) Hexachloroethane	13.88	117	193923	55.381	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	509013	52.109	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	86094	50.068	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
Data File : VN058792.D
Acq On : 16 Oct 2019 10:35
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

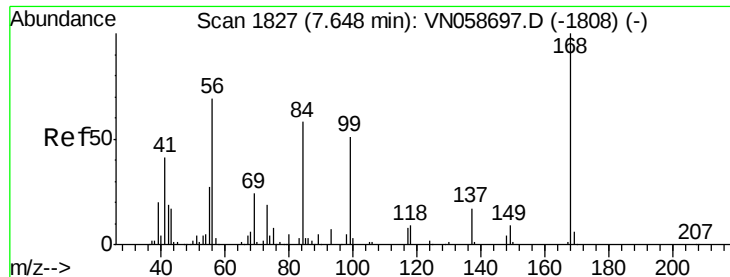
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM

Quant Time: Oct 17 07:57:44 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	306116	51.373	ug/l	100
94) Hexachlorobutadiene	15.02	225	156690	49.934	ug/l	98
95) Naphthalene	15.13	128	898123	52.444	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	292512	50.280	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 426999

Ion Ratio Lower Upper

168 100

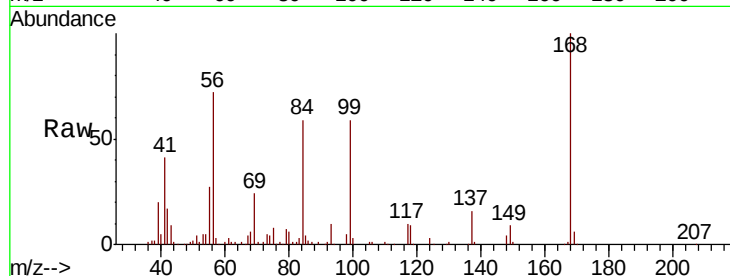
99 58.9 47.5 71.3

Manual Integrations

APPROVED

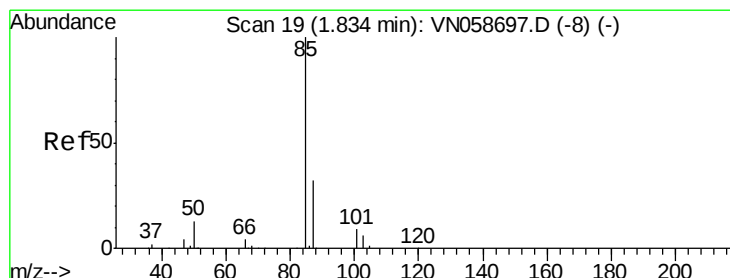
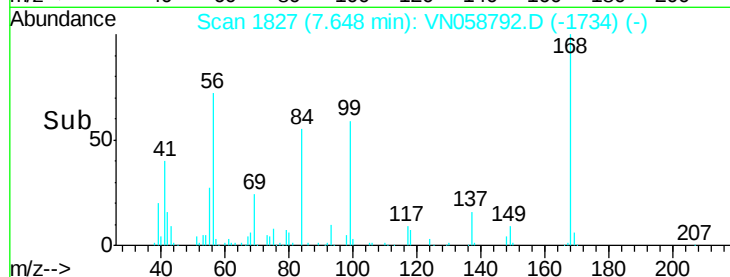
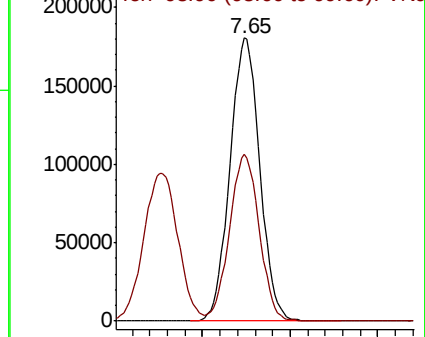
MMDadoda

10/18/2019 12:51:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.552 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058792.D

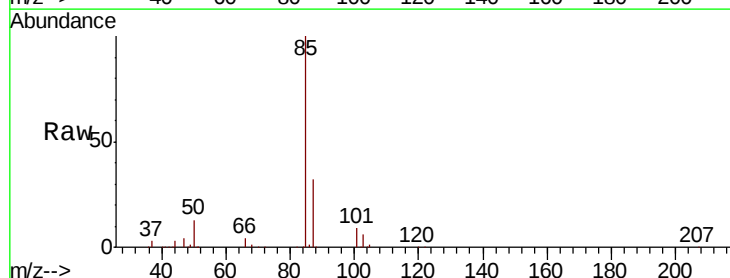
Acq: 16 Oct 2019 10:35

Tgt Ion: 85 Resp: 268835

Ion Ratio Lower Upper

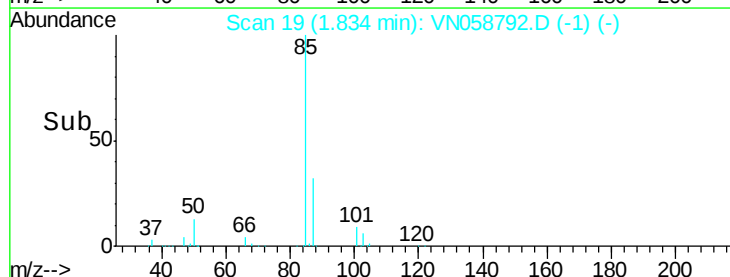
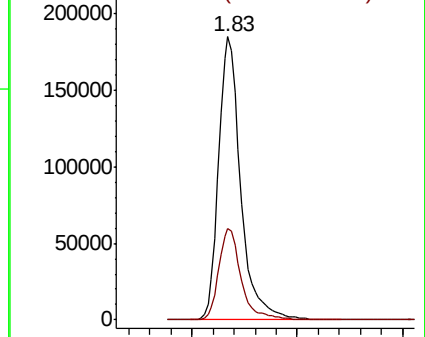
85 100

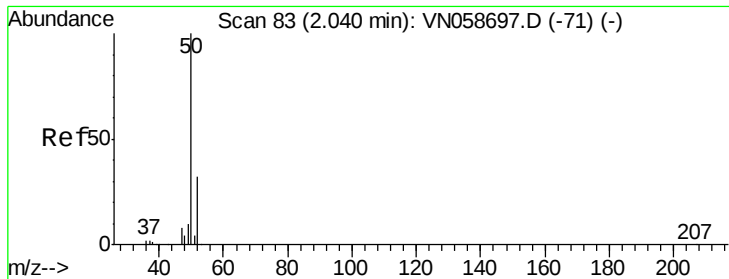
87 32.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 49.496 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 313005

Ion Ratio Lower Upper

50 100

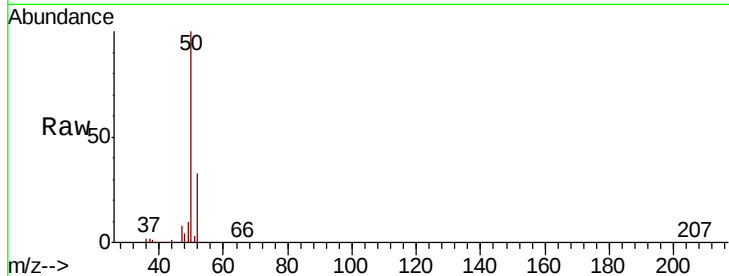
52 32.9 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:24 AM



Abundance Ion 49.90 (49.60 to 50.60): VN058792.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN058792.D (-1) (-)

2.04

250000

200000

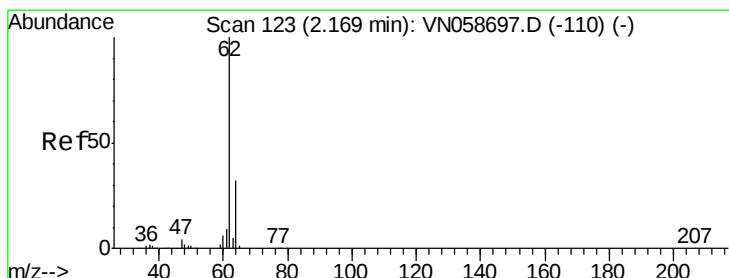
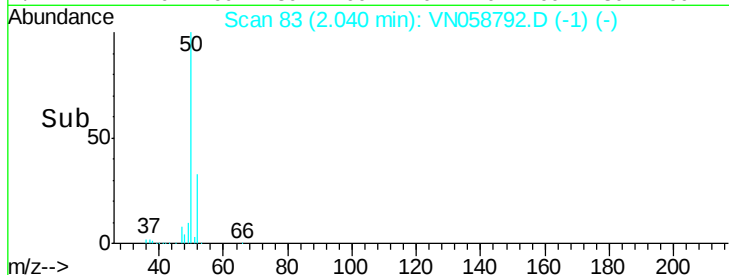
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.259 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058792.D

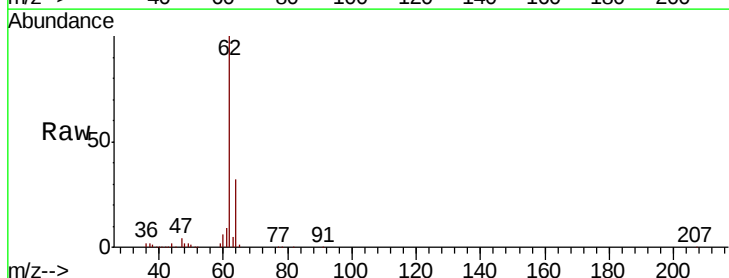
Acq: 16 Oct 2019 10:35

Tgt Ion: 62 Resp: 322846

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN058792.D (-30) (-)

Ion 63.90 (63.60 to 64.60): VN058792.D (-30) (-)

2.17

250000

200000

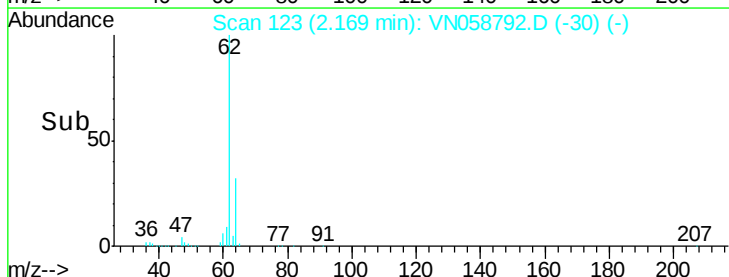
150000

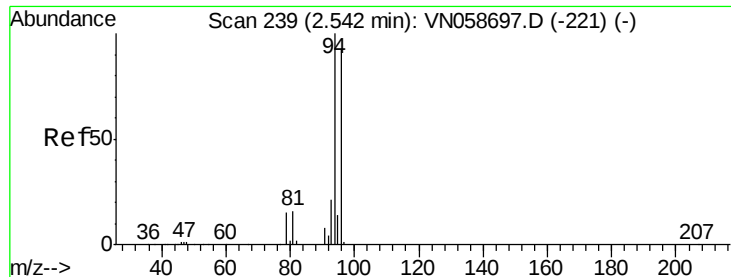
100000

50000

0

Time-->





#5

Bromomethane

Concen: 51.653 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 197906

Ion Ratio Lower Upper

94 100

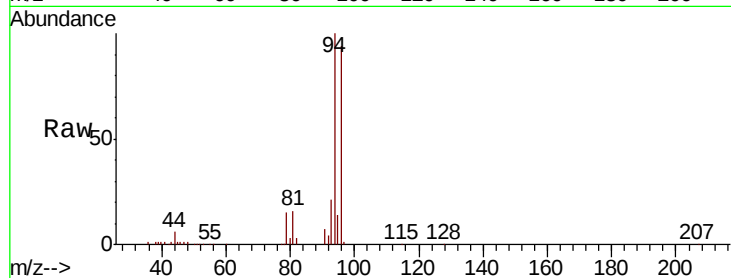
96 93.9 74.5 111.7

Manual Integrations

APPROVED

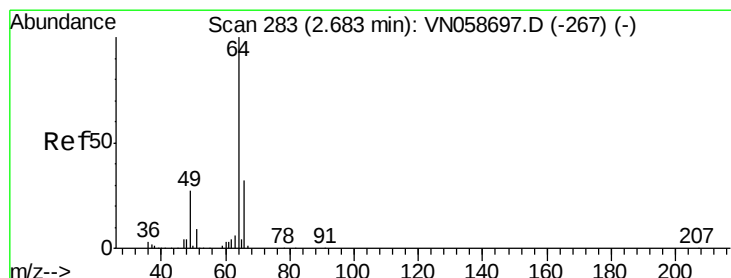
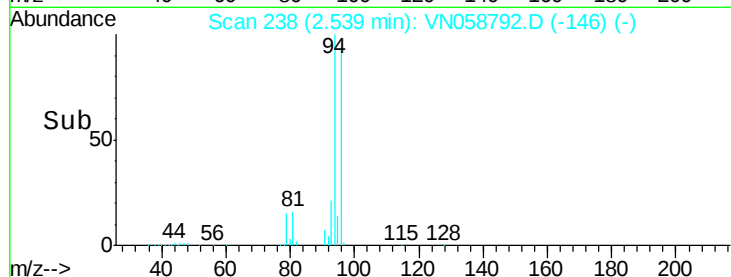
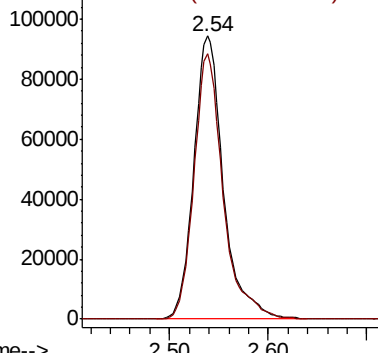
MMDadoda

10/18/2019 12:51:24 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.920 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058792.D

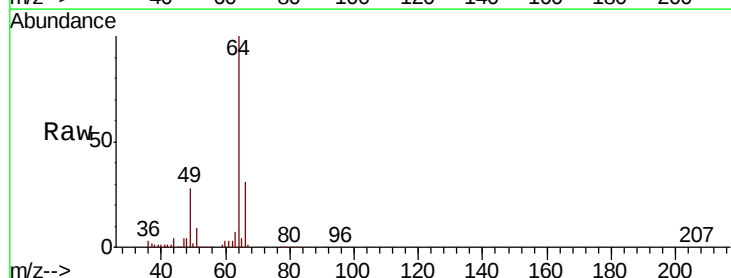
Acq: 16 Oct 2019 10:35

Tgt Ion: 64 Resp: 197818

Ion Ratio Lower Upper

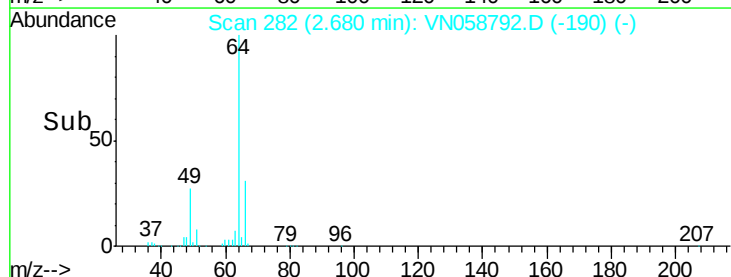
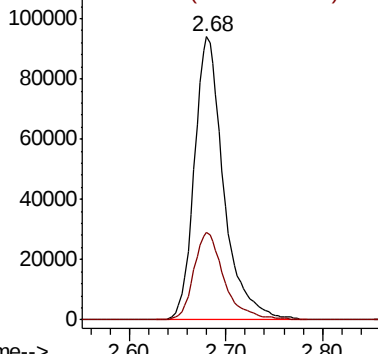
64 100

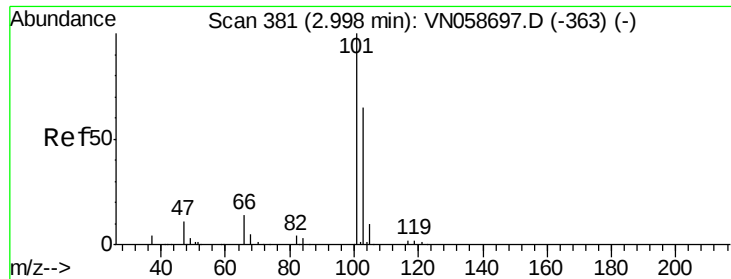
66 30.9 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

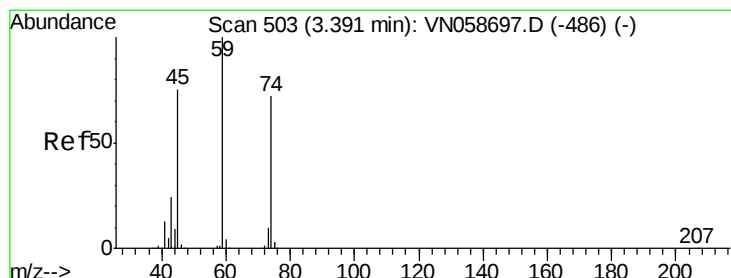
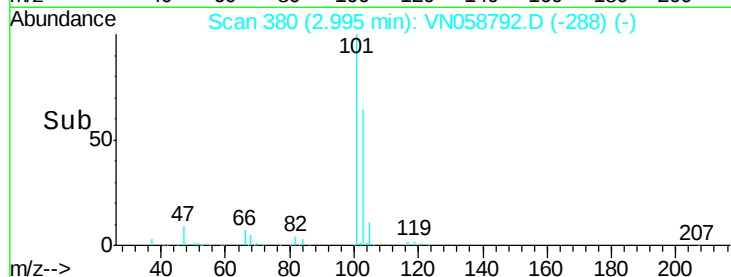
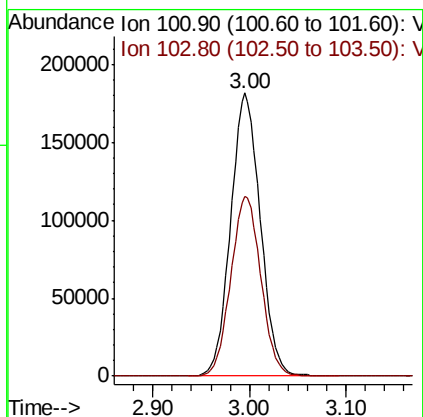
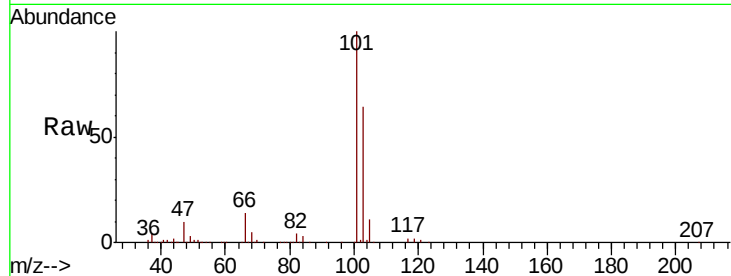
Trichlorofluoromethane
Concen: 51.277 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	386516		
103	63.6	51.8	77.6	

Manual Integrations
APPROVED

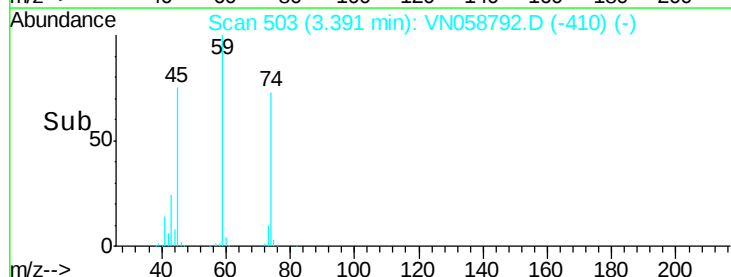
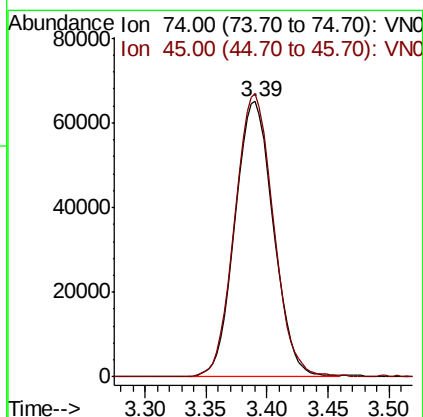
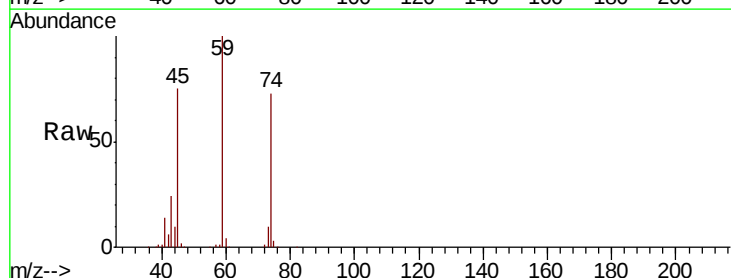
MMDadoda
10/18/2019 12:51:24 AM

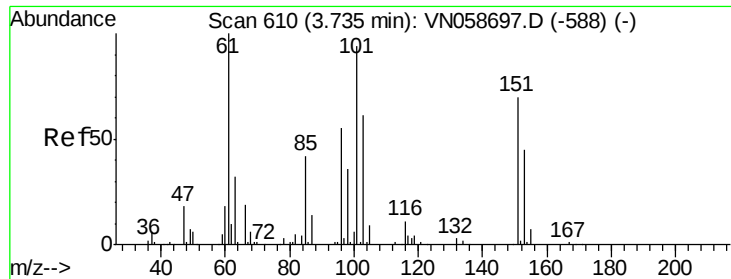


#8

Diethyl Ether
Concen: 51.029 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	142120		
45	103.5	51.3	154.0	





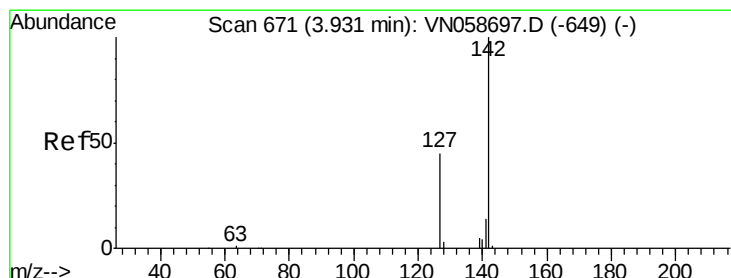
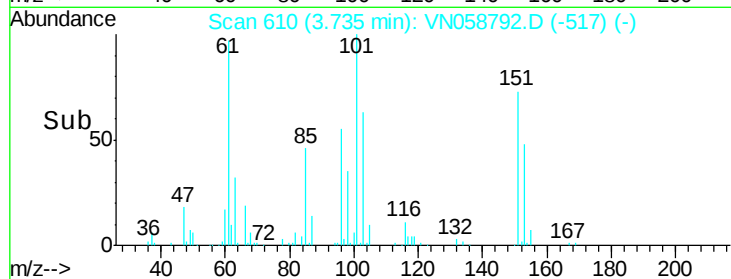
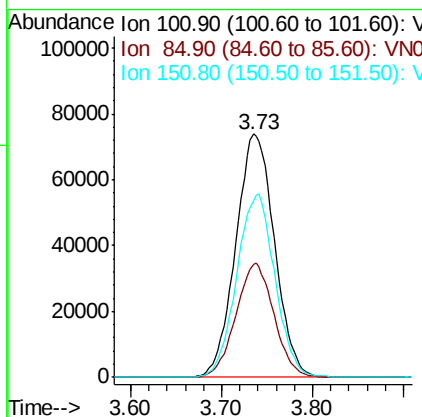
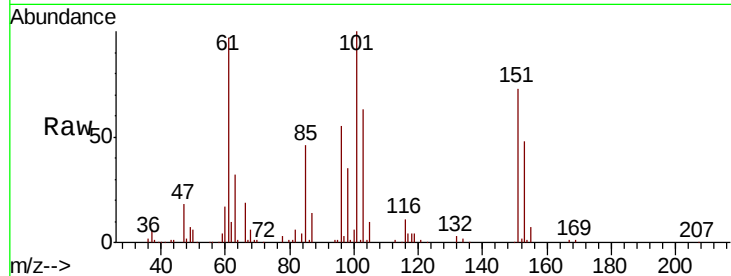
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.883 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	218692		
85	45.9	37.0	55.6	
151	74.4	61.8	92.6	

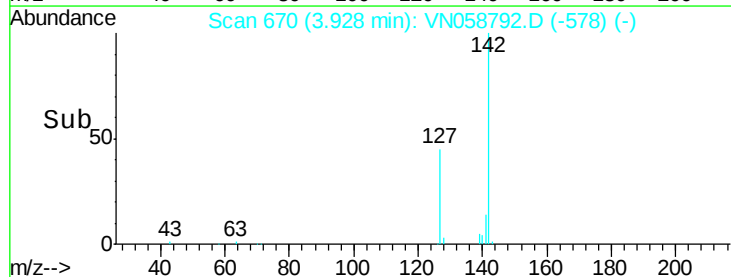
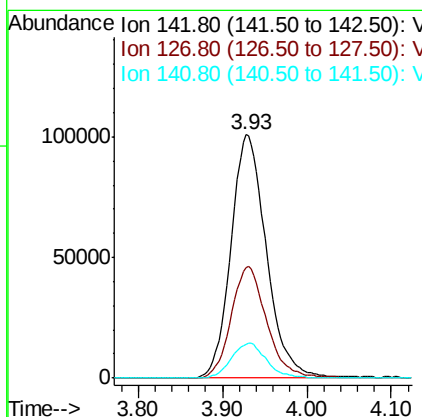
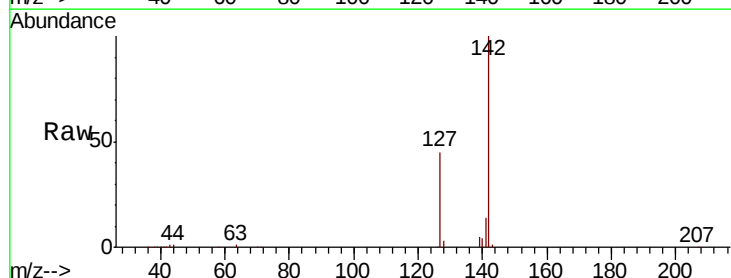
Manual Integrations
APPROVED

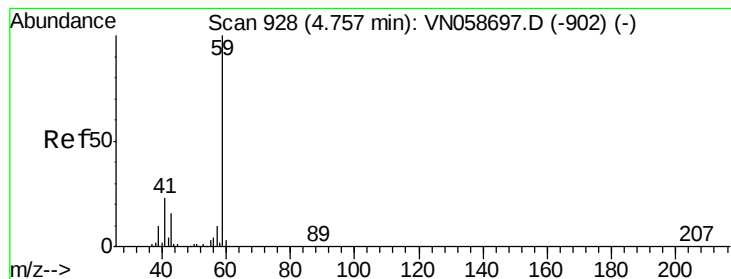
MMDadoda
10/18/2019 12:51:24 AM



#10
Methyl Iodide
Concen: 50.249 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	294715		
127	45.9	36.4	54.6	
141	14.2	11.1	16.7	





#11

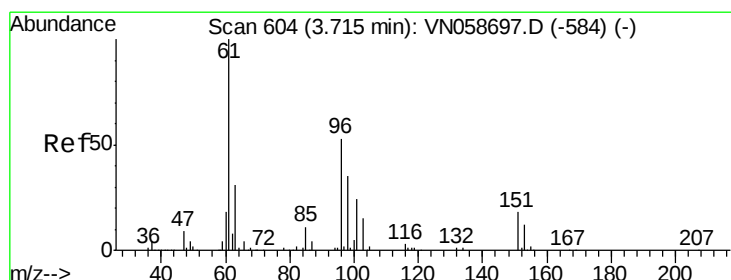
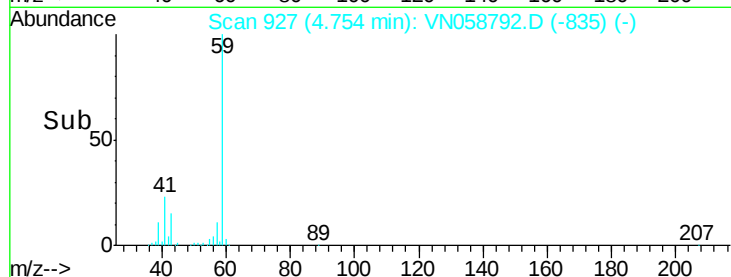
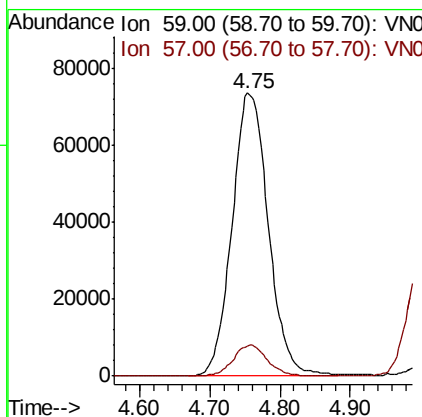
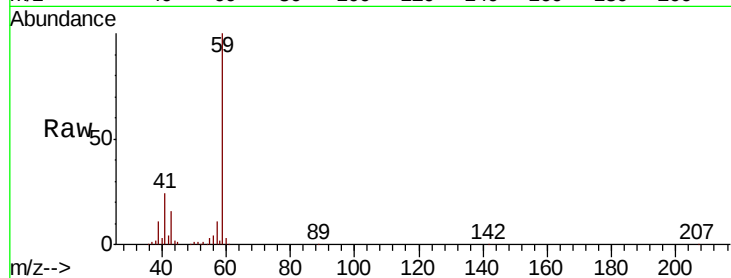
Tert butyl alcohol
 Concen: 272.726 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	264035
Ion Ratio	100	Lower	Upper
57	10.4	8.4	12.6

Manual Integrations
 APPROVED

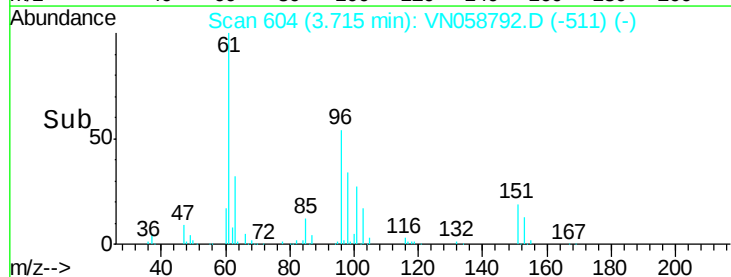
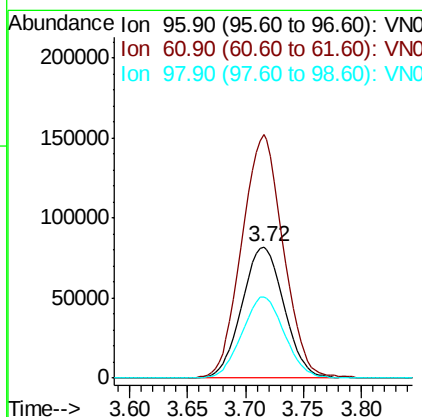
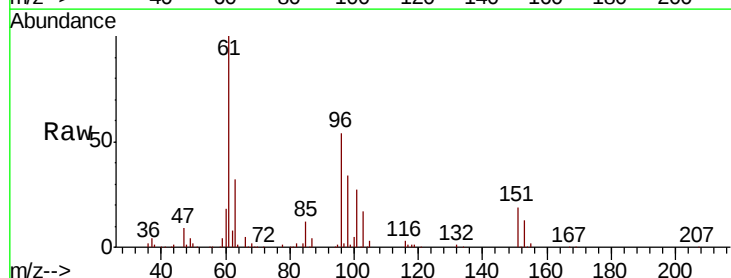
MMDadoda
 10/18/2019 12:51:24 AM

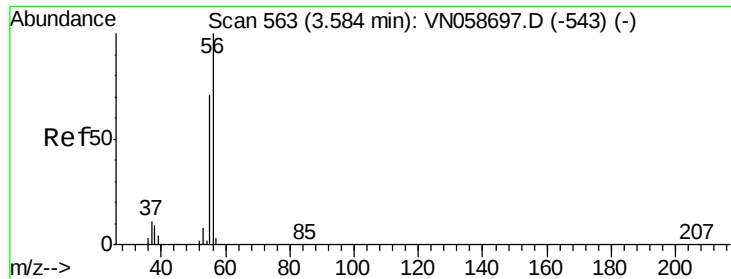


#12

1,1-Dichloroethene
 Concen: 50.685 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion	96	Resp	207845
Ion Ratio	100	Lower	Upper
61	185.7	151.3	226.9
98	62.3	52.6	78.8





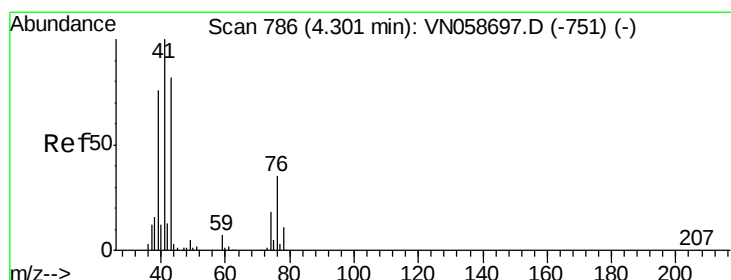
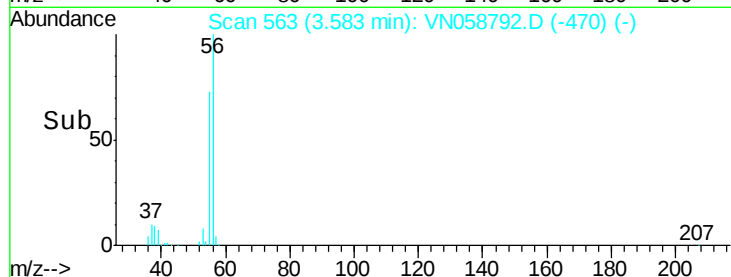
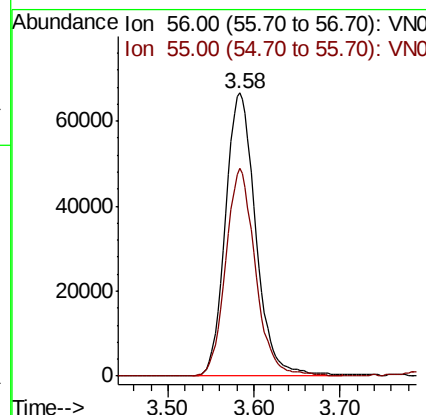
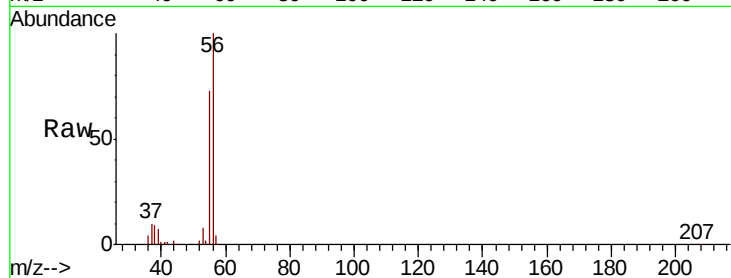
#13
 Acrolein
 Concen: 210.234 ug/l
 RT: 3.58 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	56	Resp	163693
Ion Ratio	Lower	Upper	
56	100		
55	71.8	56.7	85.1

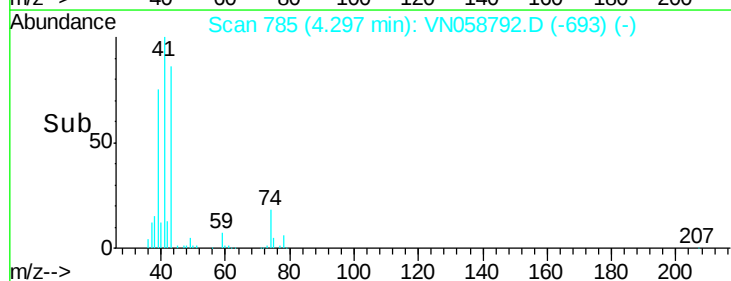
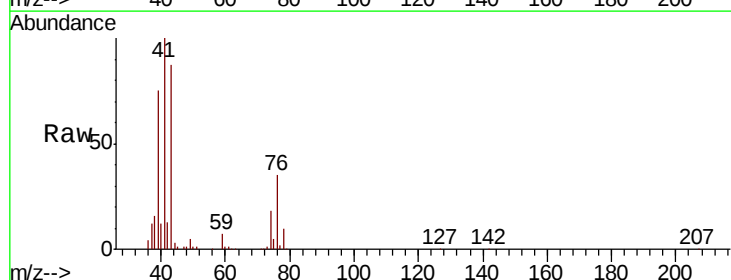
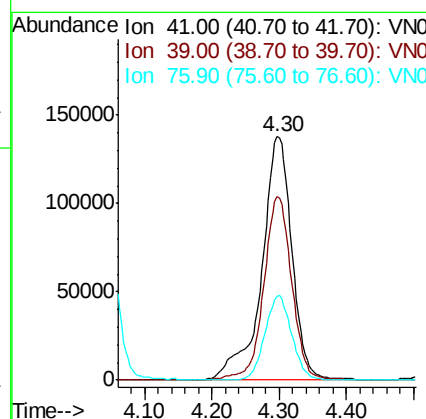
Manual Integrations
 APPROVED

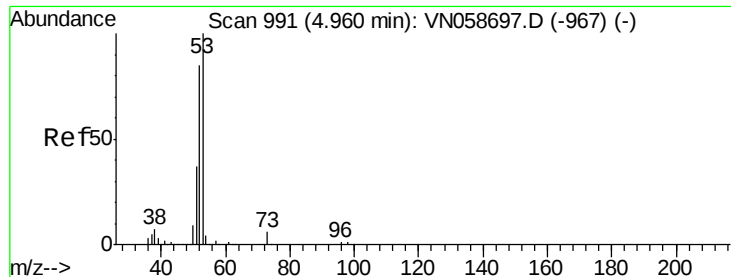
MMDadoda
 10/18/2019 12:51:24 AM



#14
 Allyl chloride
 Concen: 52.082 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion	41	Resp	431001
Ion Ratio	Lower	Upper	
41	100		
39	69.8	57.2	85.8
76	30.7	25.0	37.6





#15

Acrylonitrile

Concen: 273.668 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

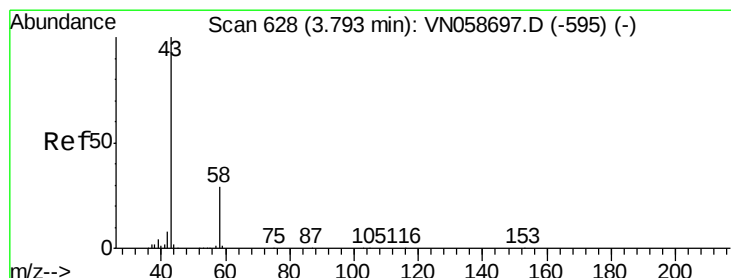
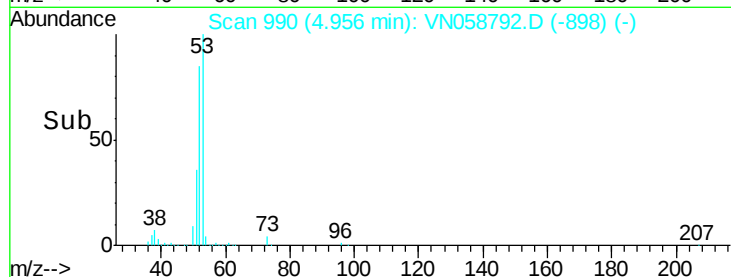
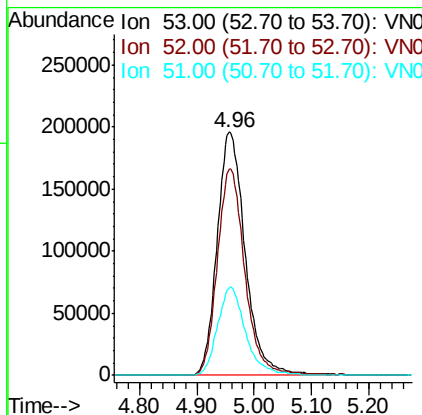
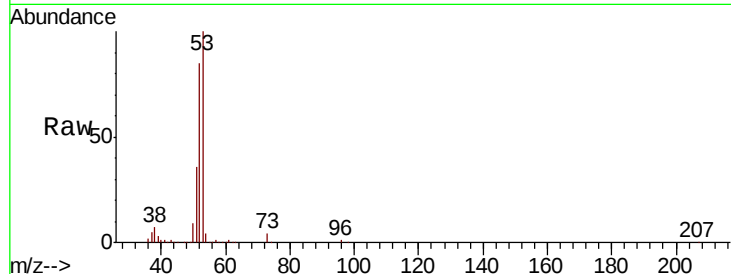
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	668156
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.2	99.2
51	36.3	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM



#16

Acetone

Concen: 293.353 ug/l

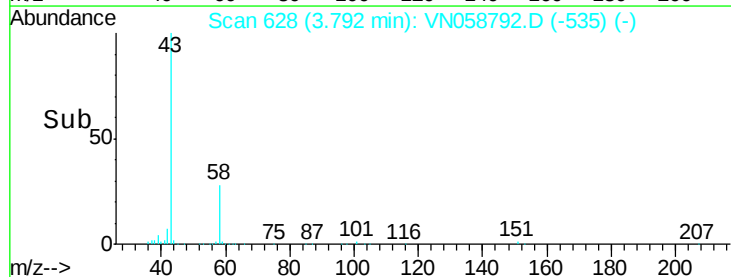
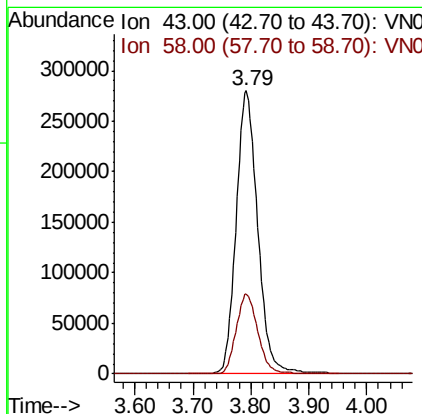
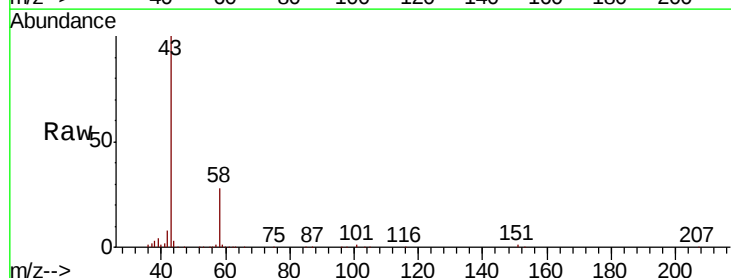
RT: 3.79 min Scan# 628

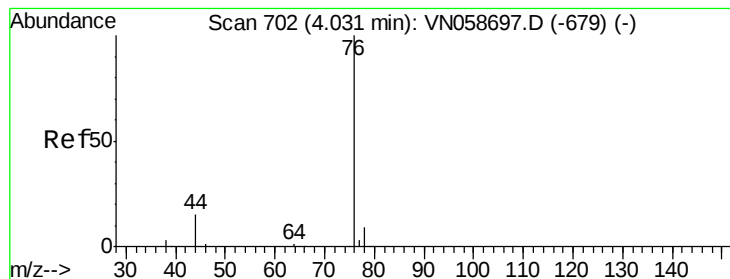
Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Tgt Ion:	43	Resp:	725996
Ion Ratio		Lower	Upper
43	100		
58	28.3	23.3	34.9





#17

Carbon Disulfide

Concen: 47.481 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 622382

Ion Ratio Lower Upper

76 100

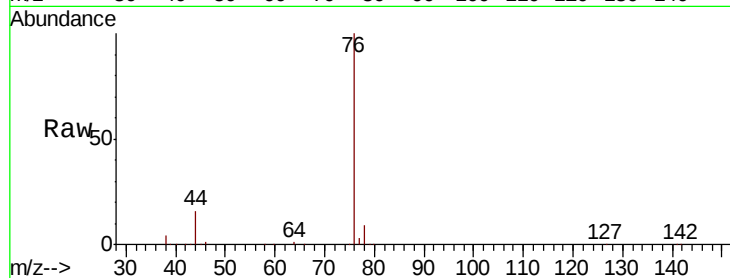
78 8.9 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:24 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

250000

200000

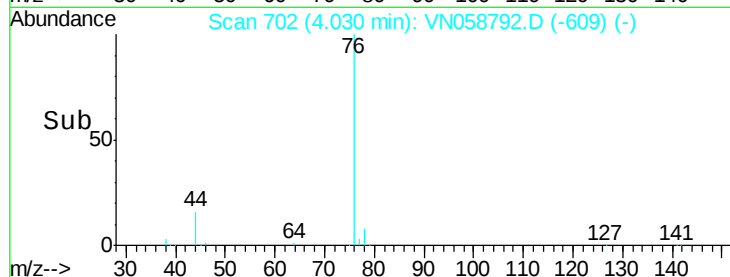
150000

100000

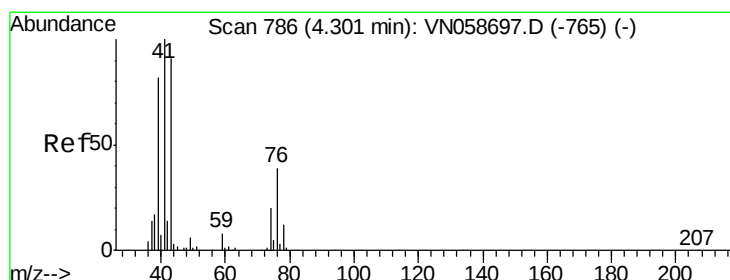
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 54.002 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058792.D

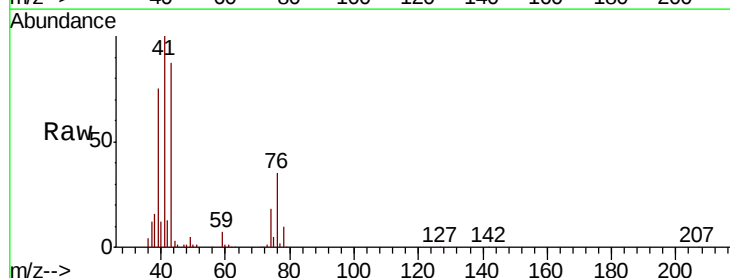
Acq: 16 Oct 2019 10:35

Tgt Ion: 43 Resp: 339001

Ion Ratio Lower Upper

43 100

74 21.0 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

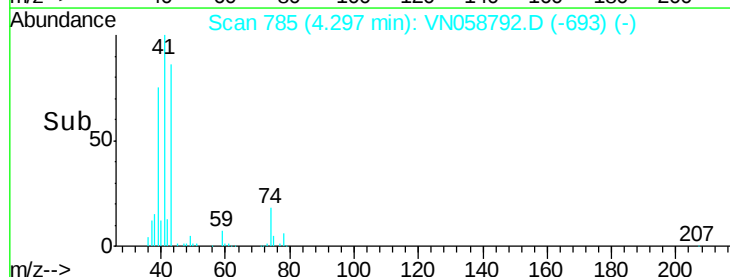
Ion 74.00 (73.70 to 74.70): VN0

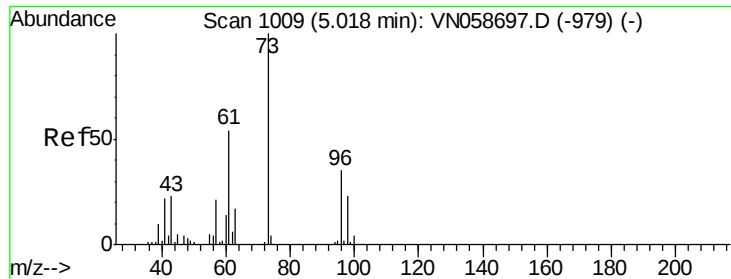
100000

50000

0

Time-->





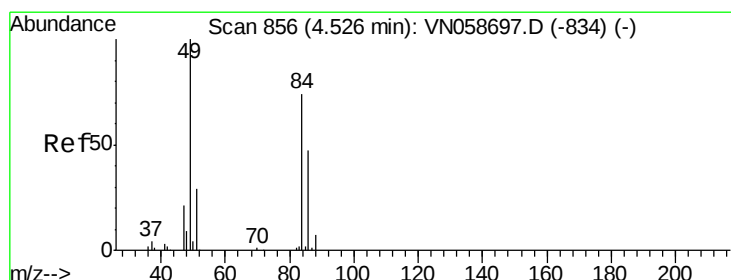
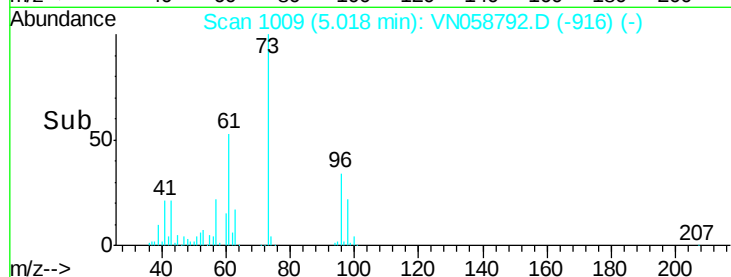
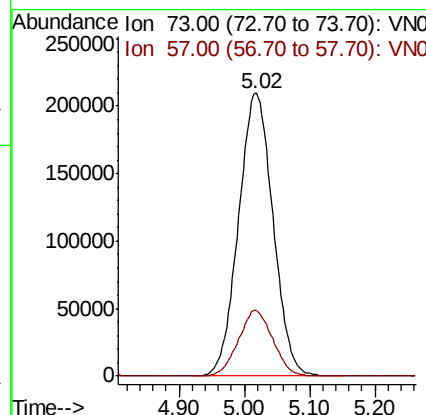
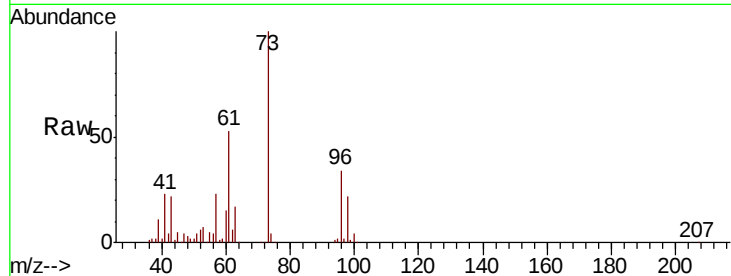
#19
Methvl tert-butvl Ether
Concen: 52.606 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 770313
Ion Ratio Lower Upper
73 100
57 23.1 17.0 25.6

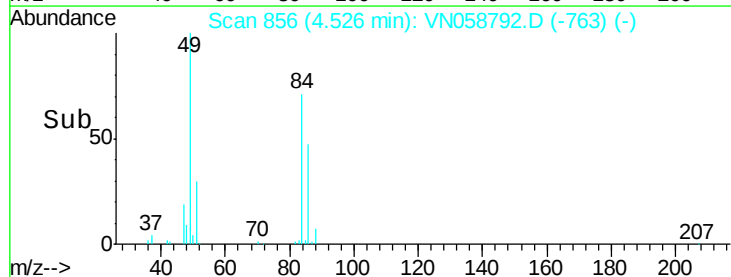
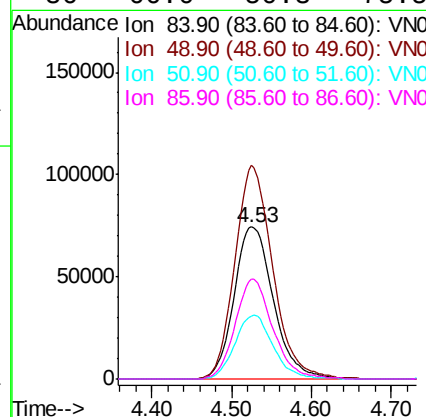
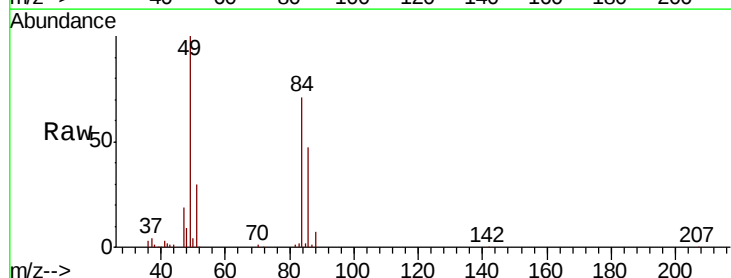
Manual Integrations
APPROVED

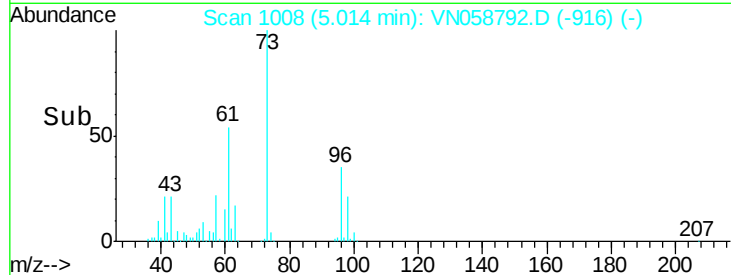
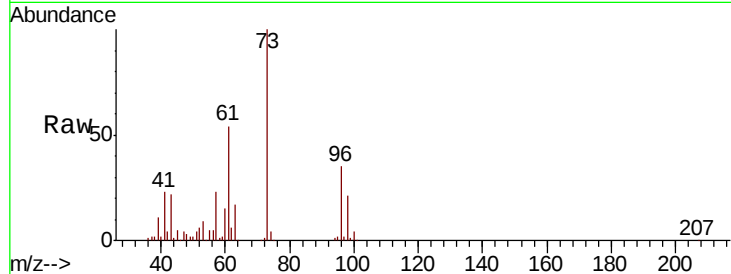
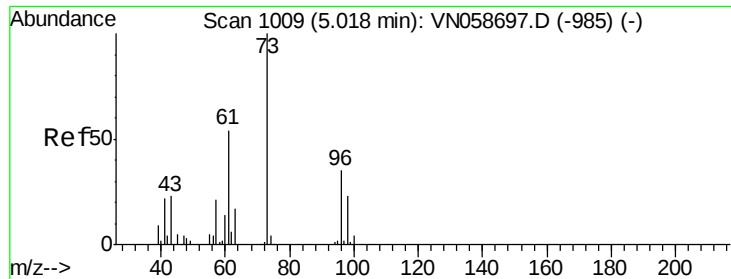
MMDadoda
10/18/2019 12:51:24 AM



#20
Methylene Chloride
Concen: 47.963 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion: 84 Resp: 248078
Ion Ratio Lower Upper
84 100
49 140.4 107.6 161.4
51 41.6 31.4 47.0
86 66.0 50.3 75.5





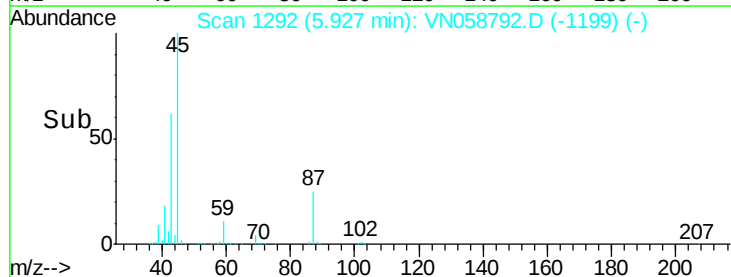
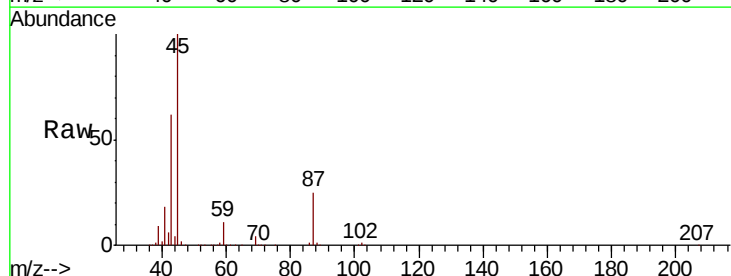
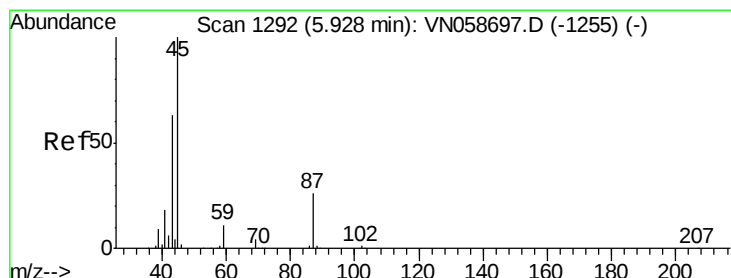
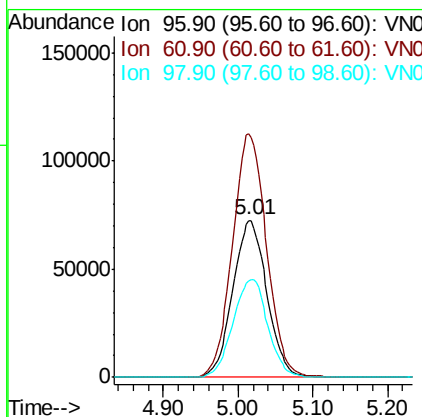
#21
trans-1,2-Dichloroethene
Concen: 49.975 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.1	123.6	185.4
98	61.6	52.1	78.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

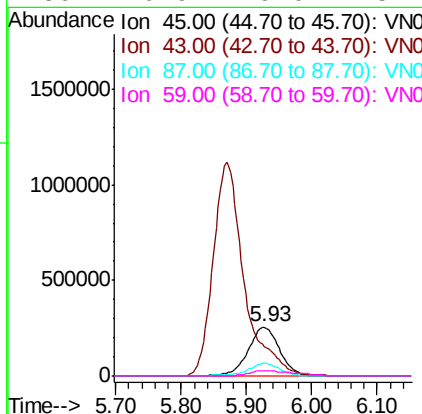
Manual Integrations
APPROVED

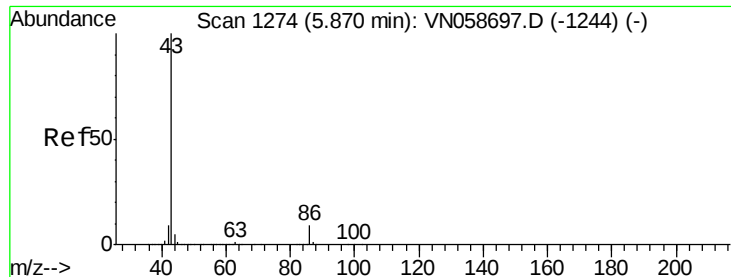
MMDadoda
10/18/2019 12:51:24 AM



#22
Diisopropyl ether
Concen: 53.495 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.5	50.6	75.8
87	25.4	21.1	31.7
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 283.702 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3683397

Ion Ratio Lower Upper

43 100

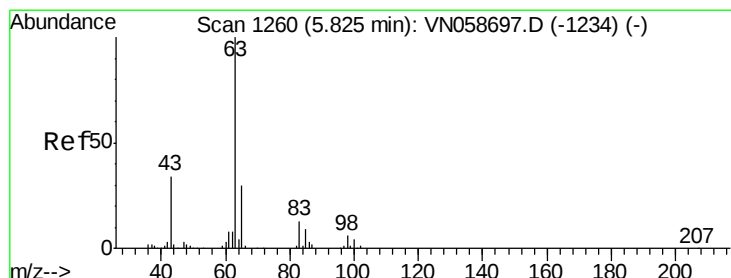
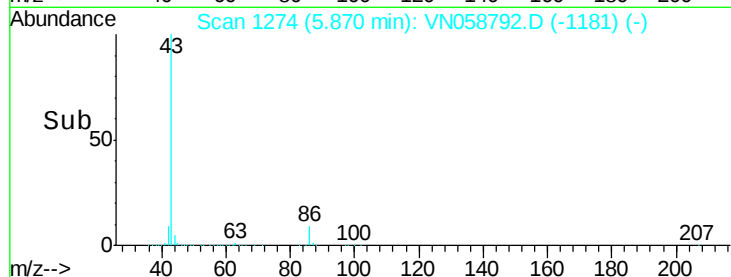
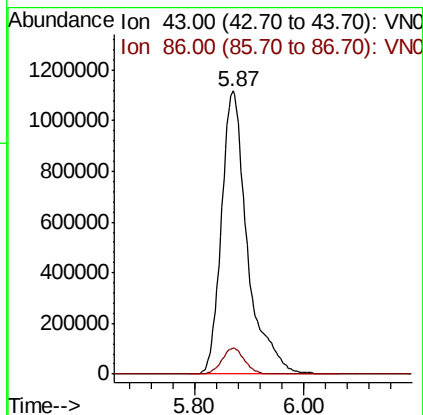
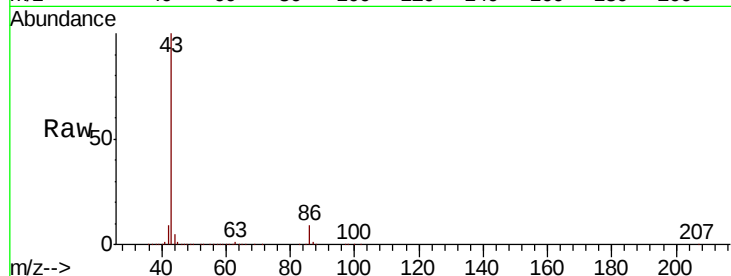
86 9.0 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:24 AM



#24

1,1-Dichloroethane

Concen: 51.509 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

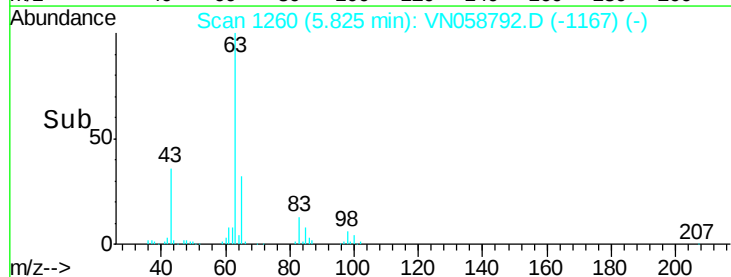
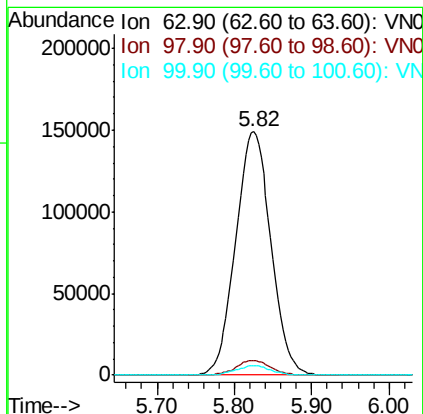
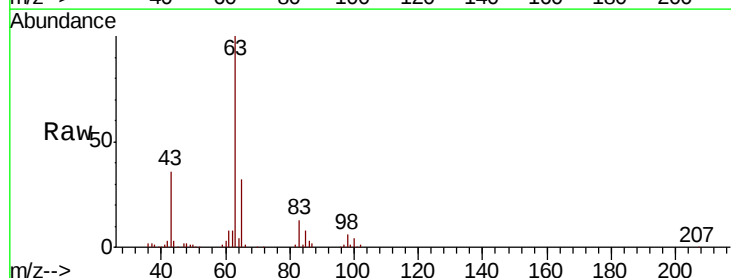
Tgt Ion: 63 Resp: 472028

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.8 1.8 5.5





#25

2-Butanone

Concen: 277.586 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 992953

Ion Ratio Lower Upper

43 100

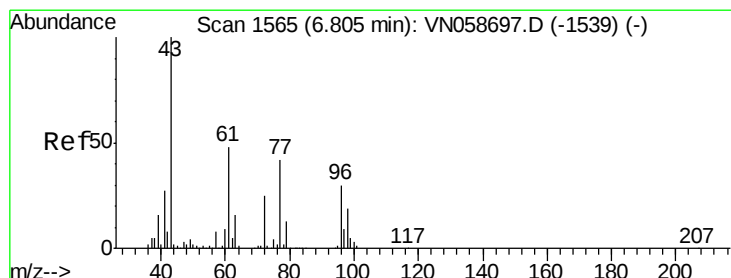
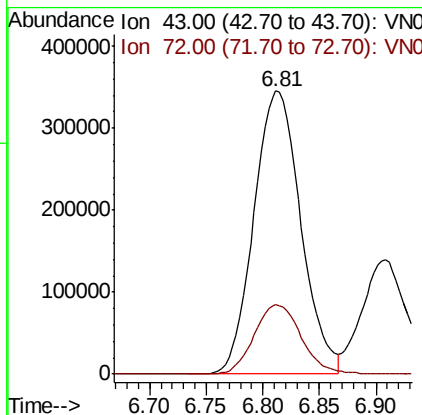
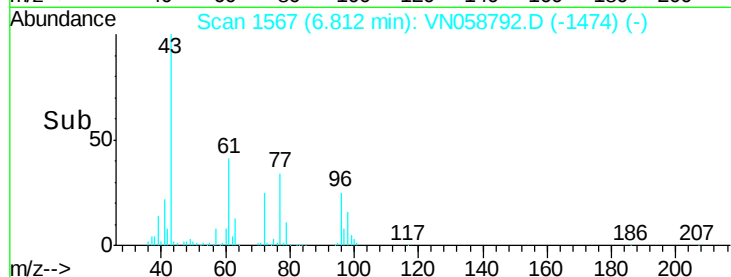
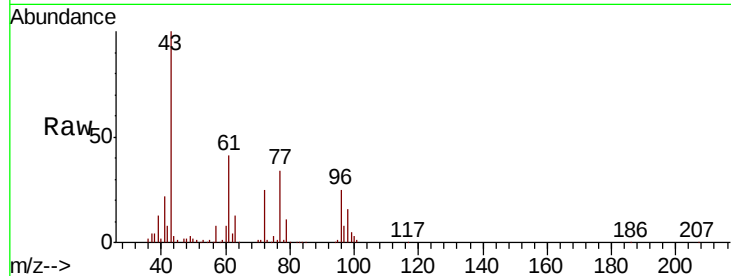
72 24.6 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:24 AM



#26

2,2-Dichloropropane

Concen: 49.954 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058792.D

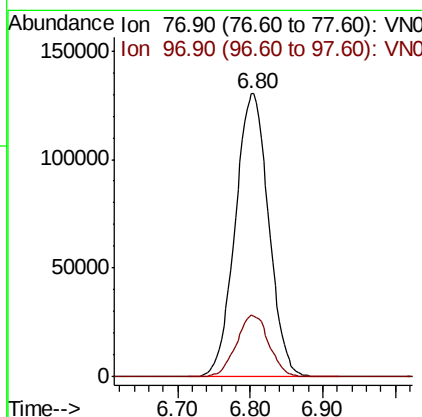
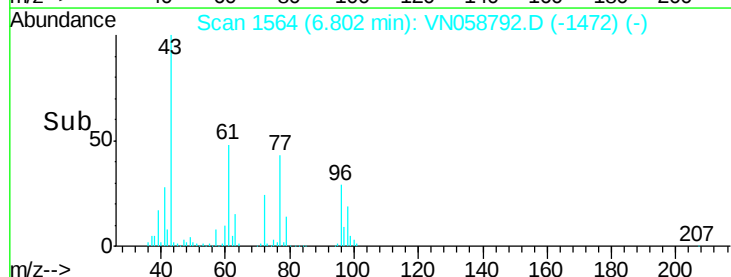
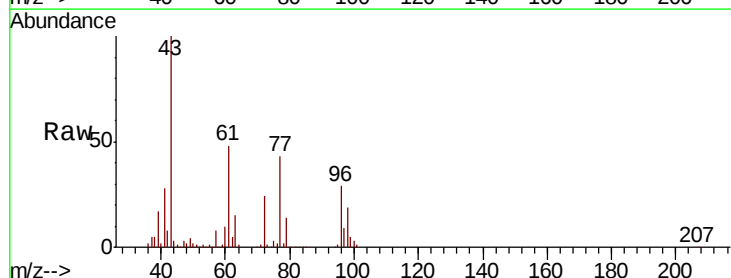
Acq: 16 Oct 2019 10:35

Tgt Ion: 77 Resp: 417878

Ion Ratio Lower Upper

77 100

97 21.2 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 49.344 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

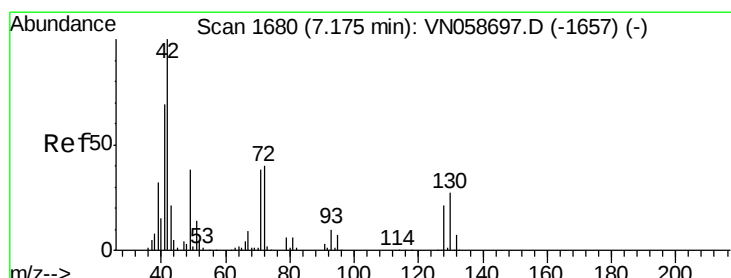
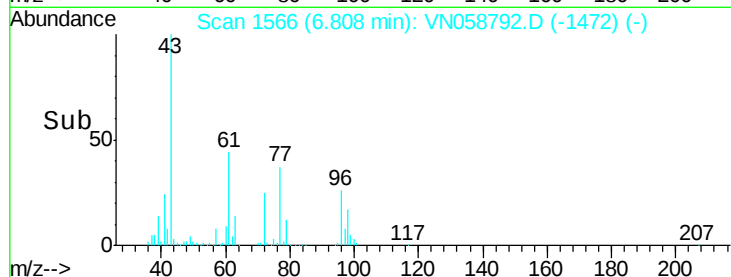
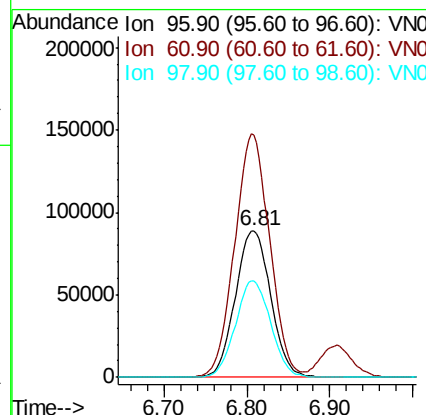
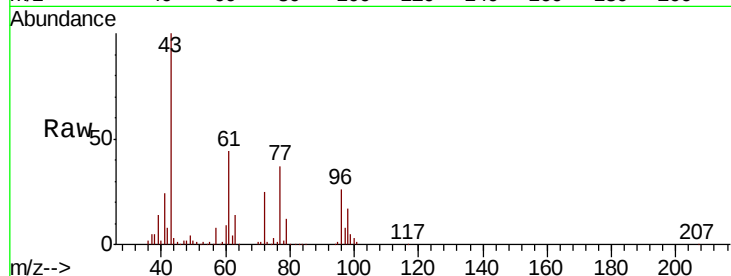
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	263940
Ion	Ratio	Lower	Upper
96	100		
61	164.0	0.0	324.8
98	65.5	0.0	129.2

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM



#28

Bromochloromethane

Concen: 51.802 ug/l

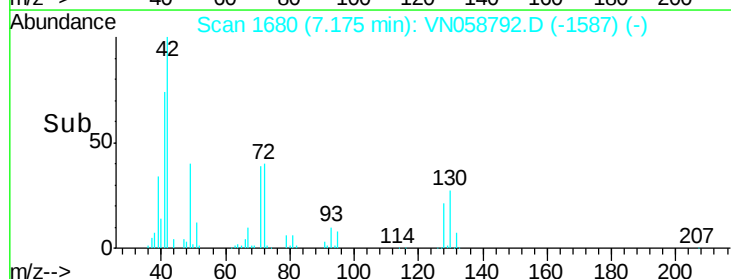
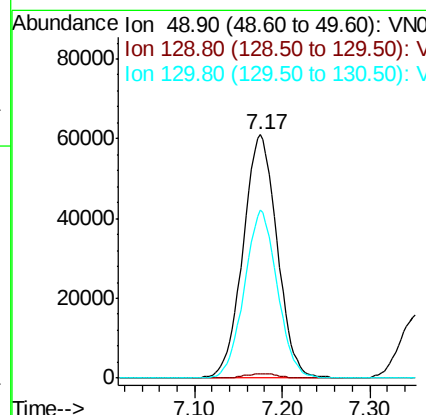
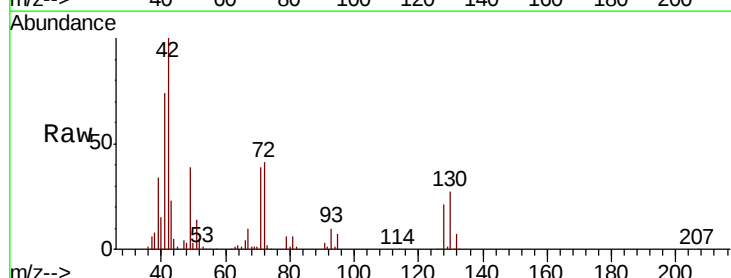
RT: 7.17 min Scan# 1680

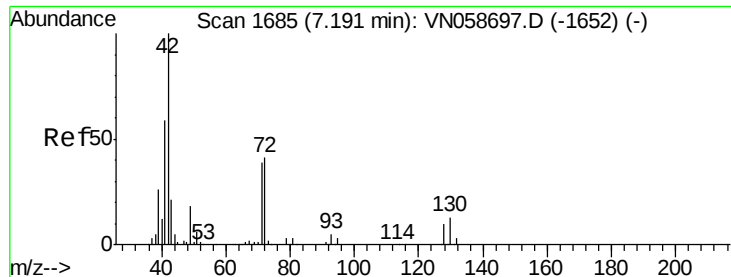
Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Tgt Ion:	49	Resp:	165150
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	66.4	55.0	82.4





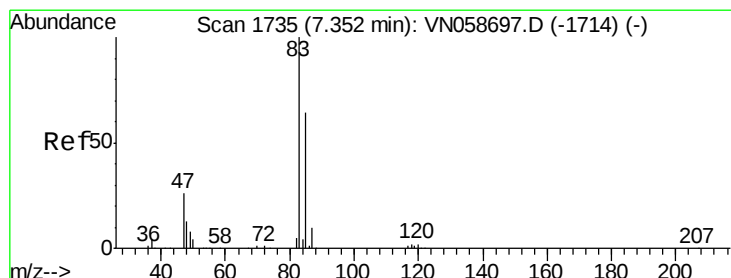
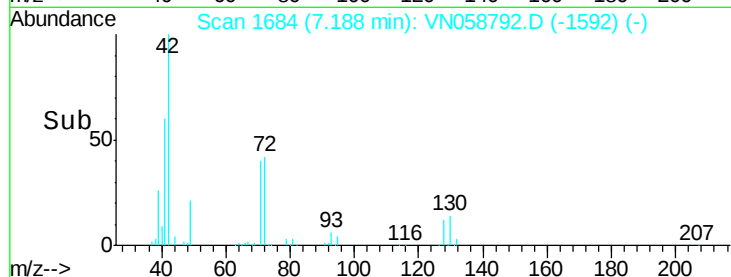
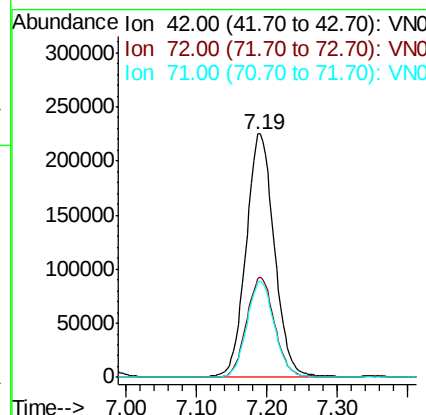
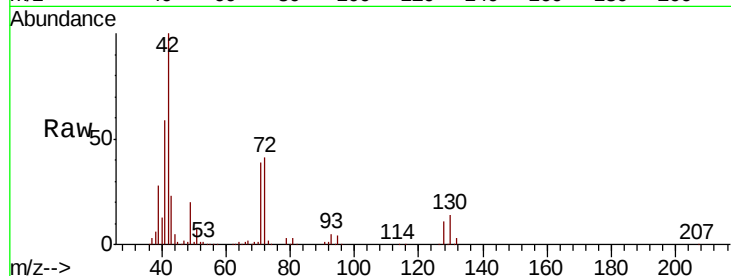
#29
Tetrahydrofuran
Concen: 271.448 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.8	49.2
71	38.7	31.1	46.7

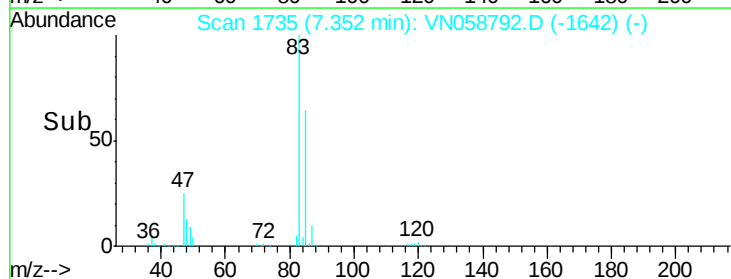
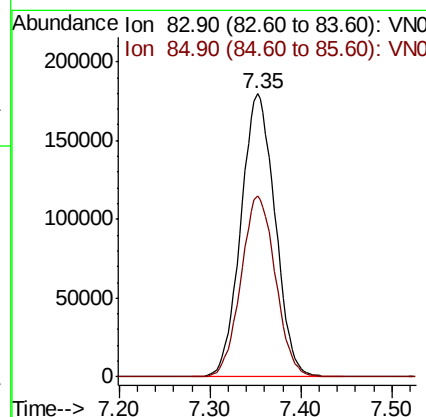
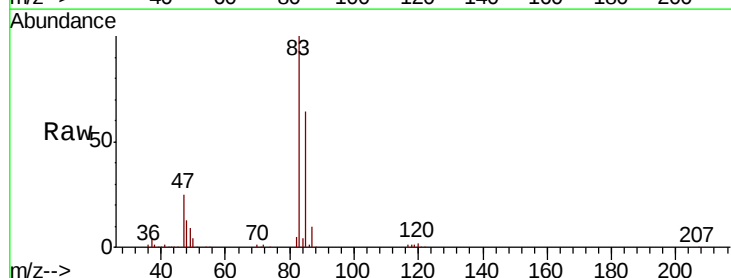
Manual Integrations
APPROVED

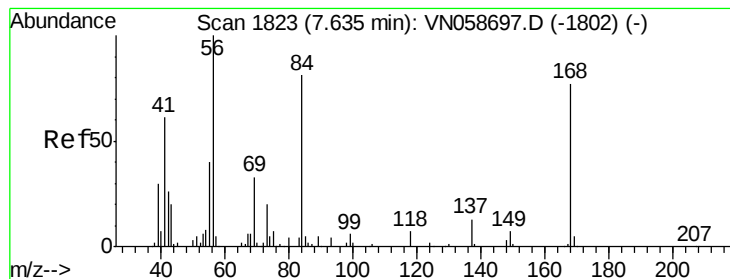
MMDadoda
10/18/2019 12:51:24 AM



#30
Chloroform
Concen: 50.920 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.0	76.6





#31

Cyclohexane

Concen: 49.217 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

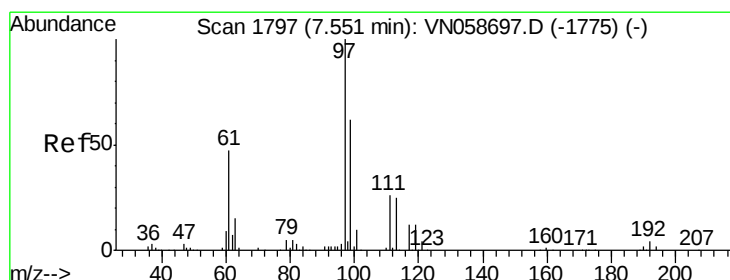
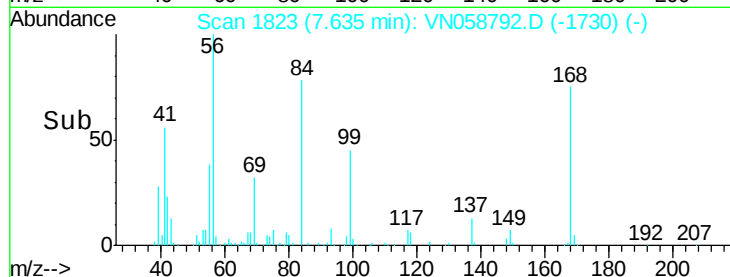
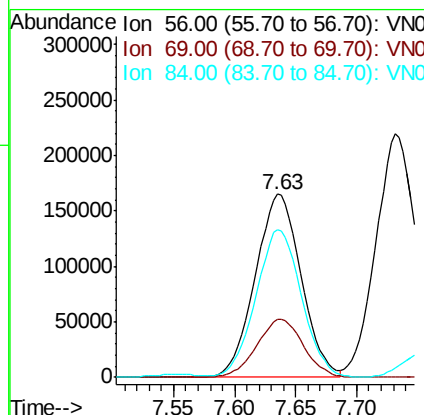
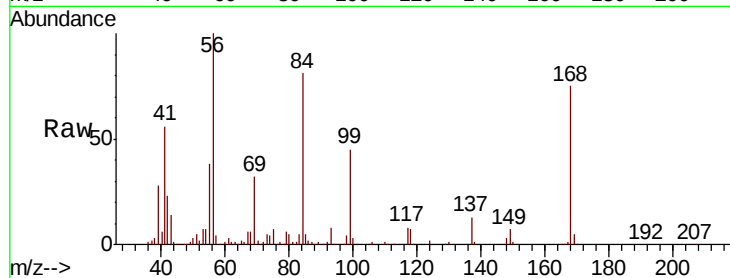
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	431551
Ion Ratio	Lower	Upper	
56	100		
69	31.6	26.2	39.4
84	79.6	64.9	97.3

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM



#32

1,1,1-Trichloroethane

Concen: 51.736 ug/l

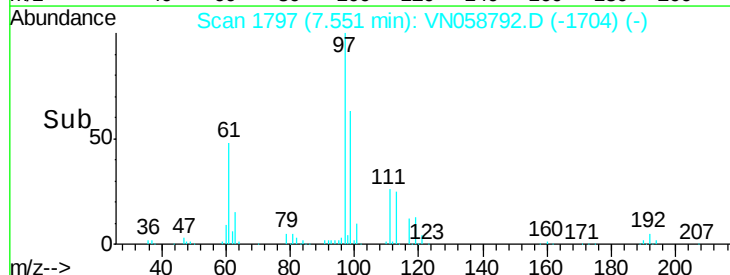
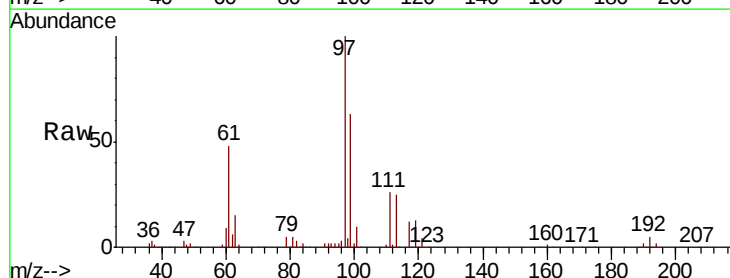
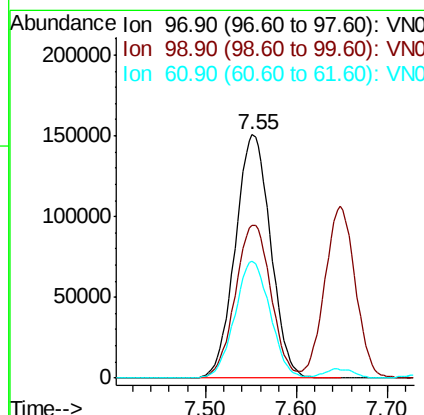
RT: 7.55 min Scan# 1797

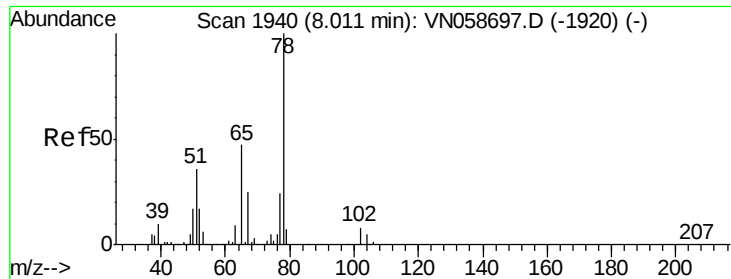
Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Tgt Ion:	97	Resp:	406234
Ion Ratio	Lower	Upper	
97	100		
99	63.7	50.8	76.2
61	48.0	38.1	57.1





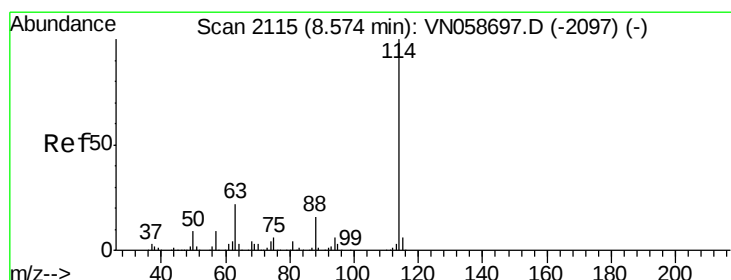
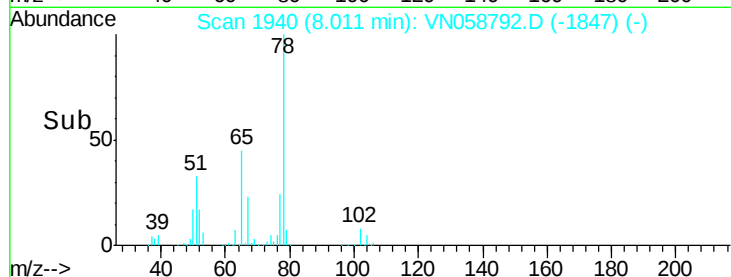
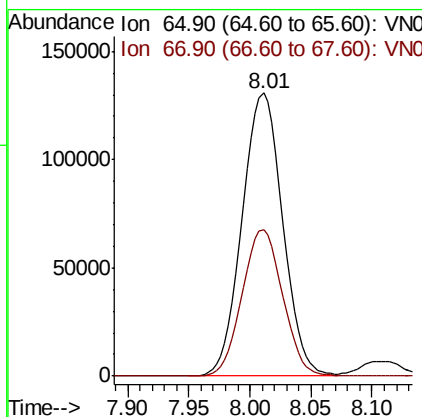
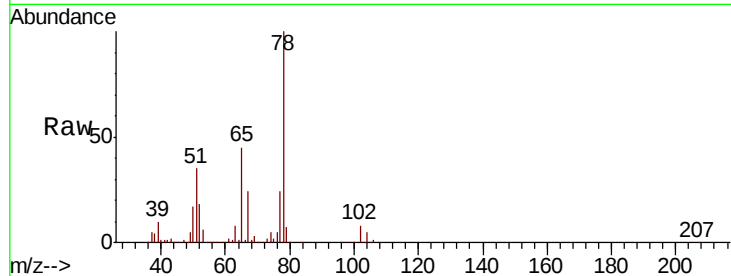
#33
 1,2-Dichloroethane-d4
 Concen: 50.407 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	301326		
67	51.8	0.0	103.8	

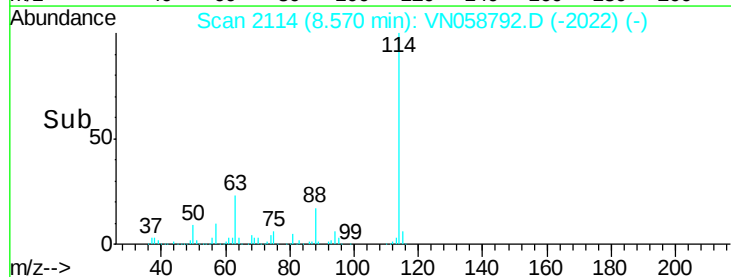
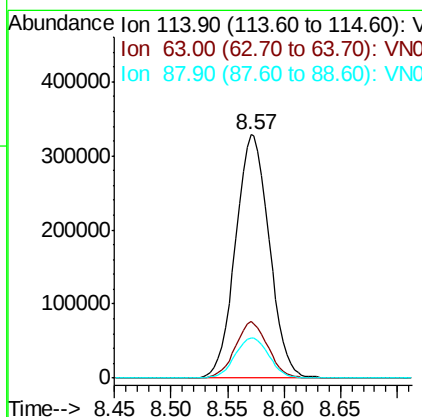
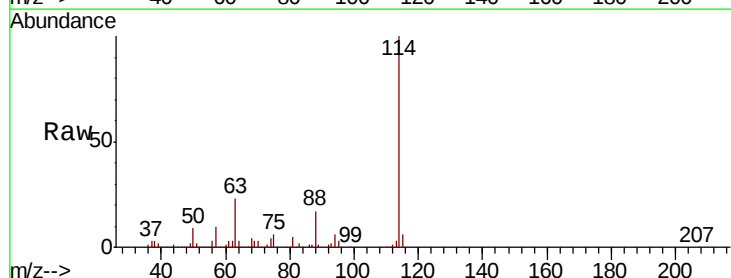
Manual Integrations
 APPROVED

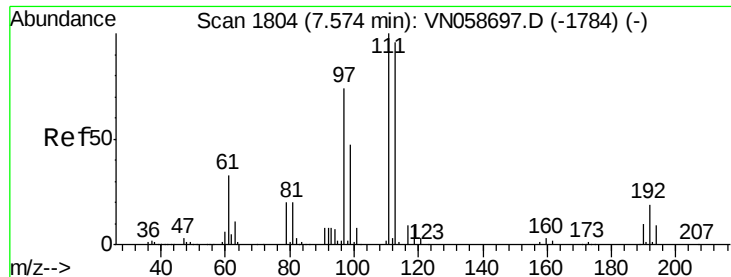
MMDadoda
 10/18/2019 12:51:24 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	682568		
63	23.1	0.0	43.8	
88	16.7	0.0	32.0	





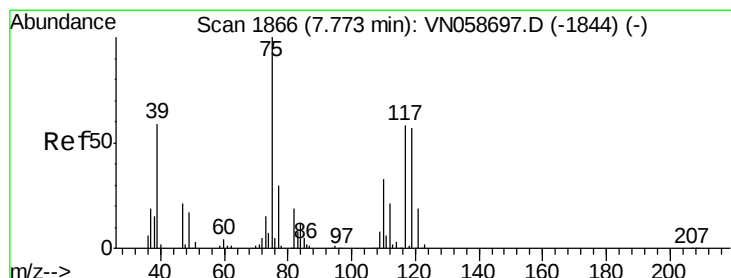
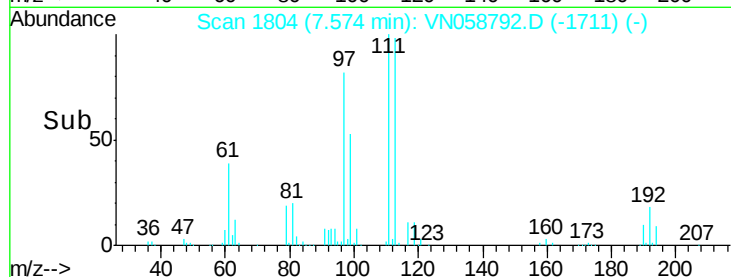
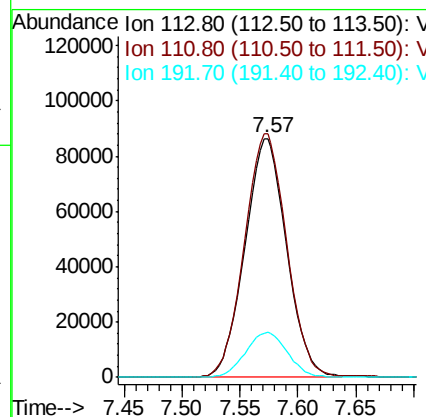
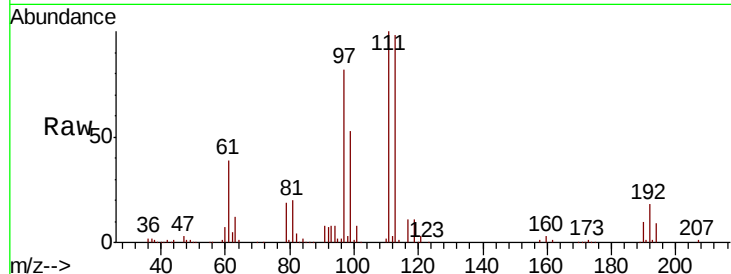
#35
Dibromofluoromethane
Concen: 51.174 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	82.3	123.5	
192	18.9	15.0	22.6	

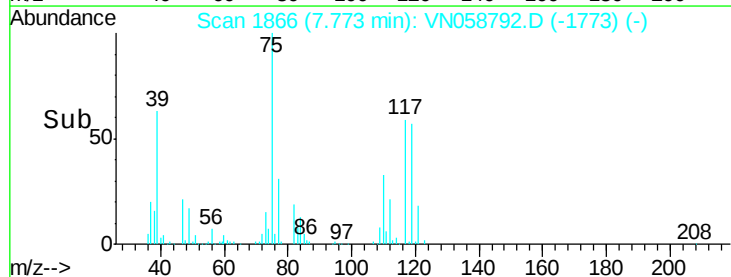
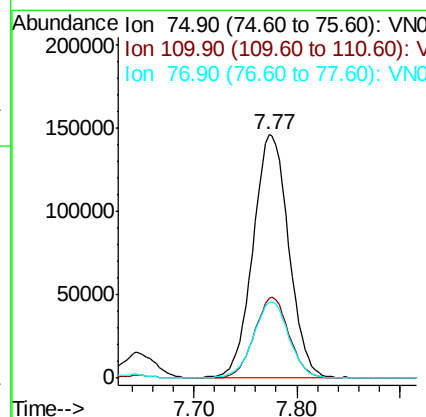
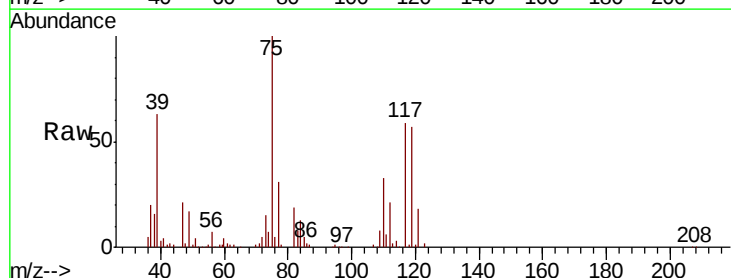
Manual Integrations
APPROVED

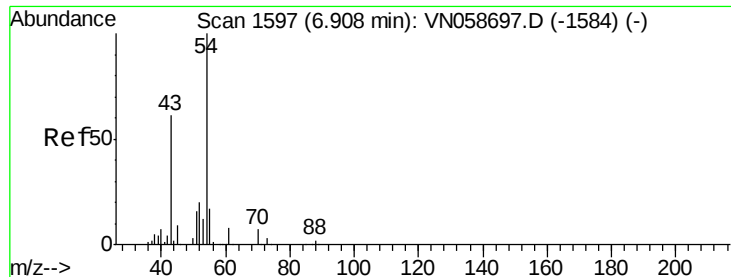
MMDadoda
10/18/2019 12:51:24 AM



#36
1,1-Dichloropropene
Concen: 50.689 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.4	16.6	49.8	
77	31.6	24.6	37.0	





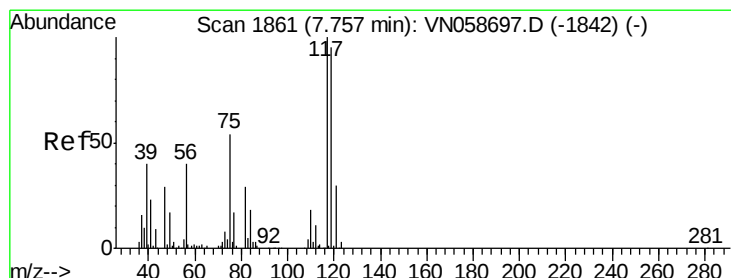
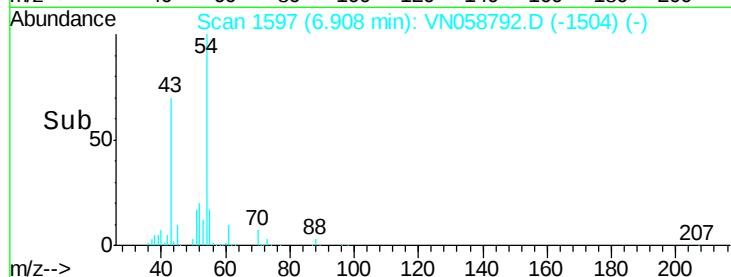
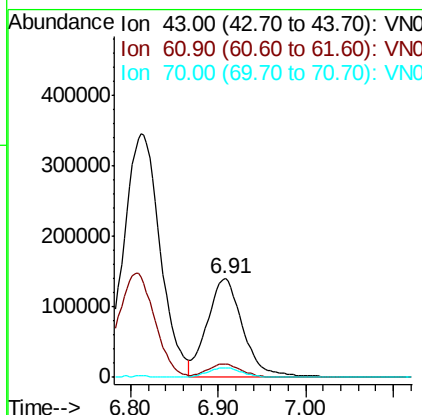
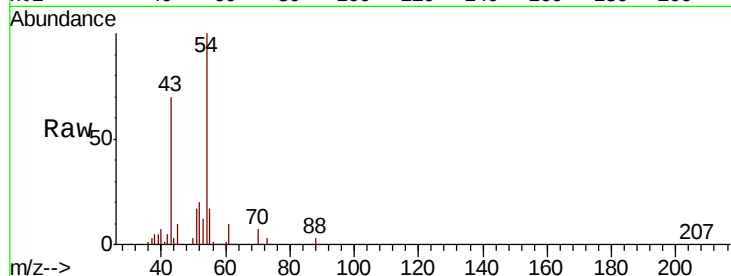
#37
Ethyl Acetate
Concen: 56.161 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.3	16.9
70	9.7	7.2	10.8

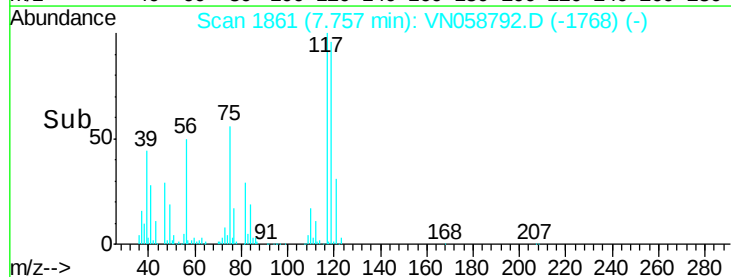
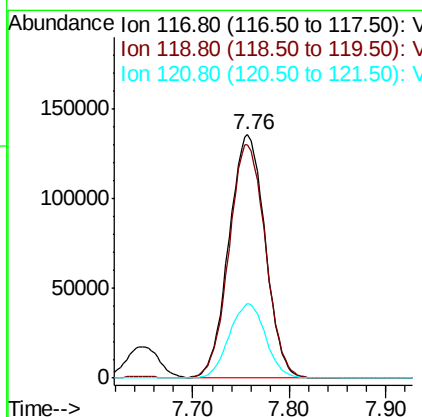
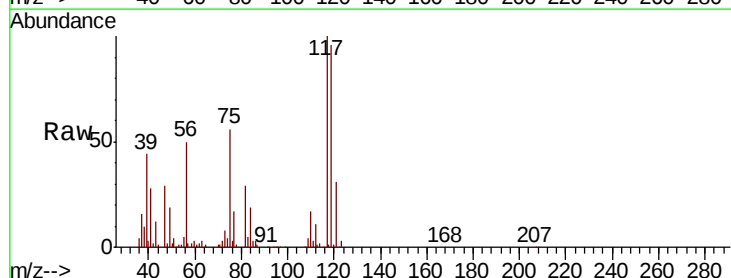
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM



#38
Carbon Tetrachloride
Concen: 52.548 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.7	113.5
121	30.5	23.9	35.9





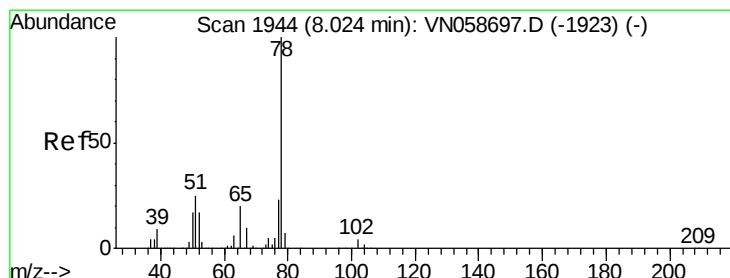
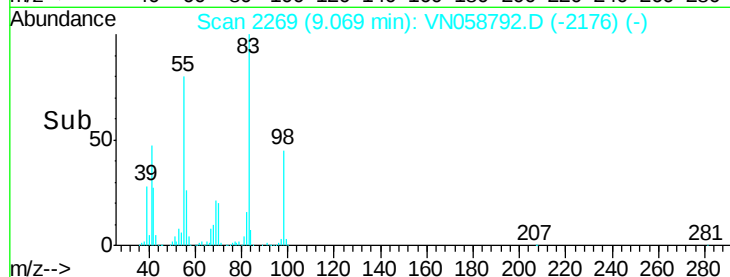
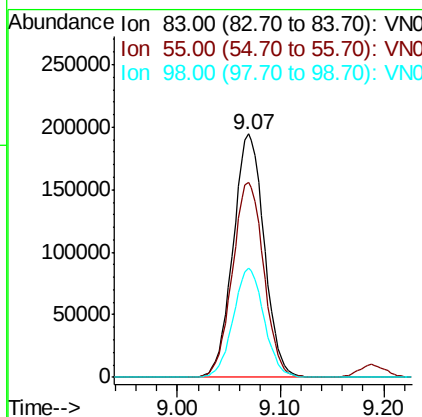
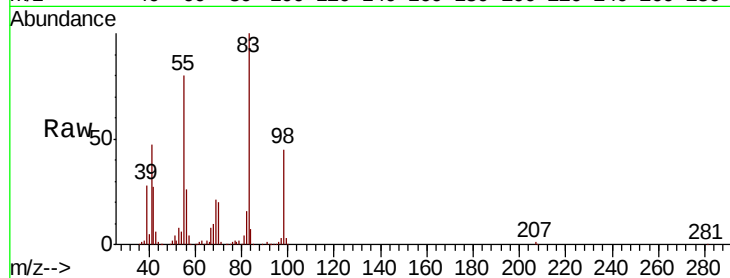
#39
Methvlcvclohexane
Concen: 50.984 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	63.4	95.0
98	44.9	35.1	52.7

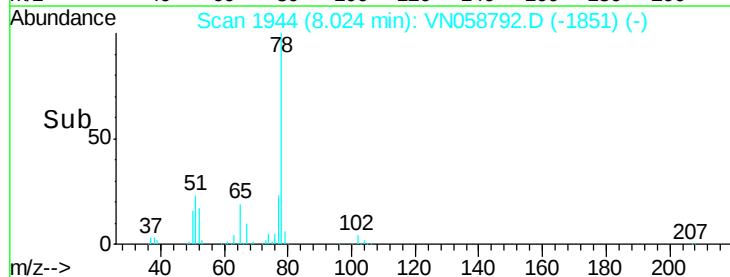
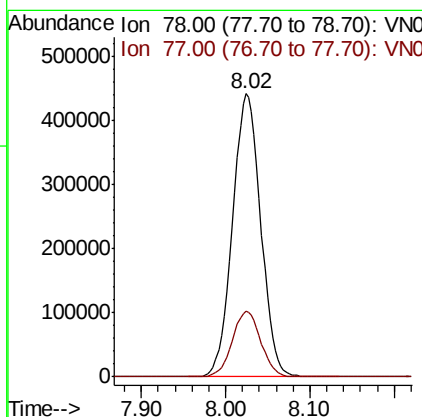
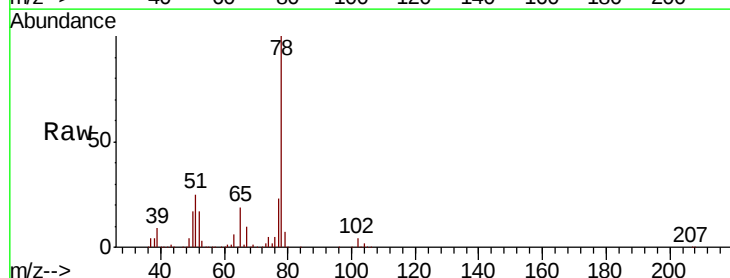
Manual Integrations
APPROVED

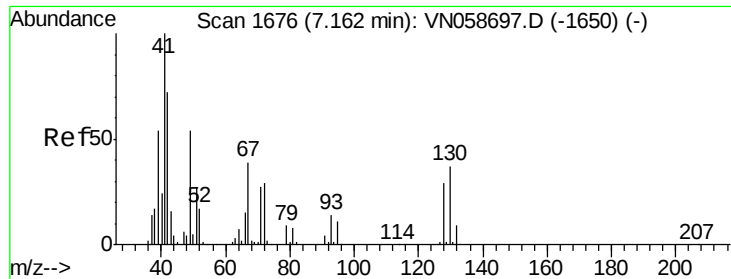
MMDadoda
10/18/2019 12:51:24 AM



#40
Benzene
Concen: 51.812 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





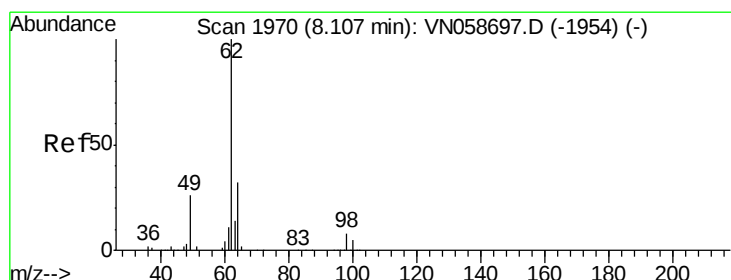
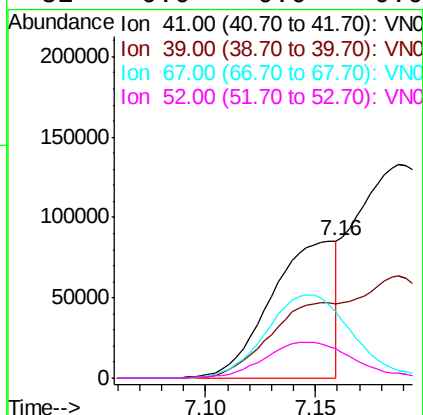
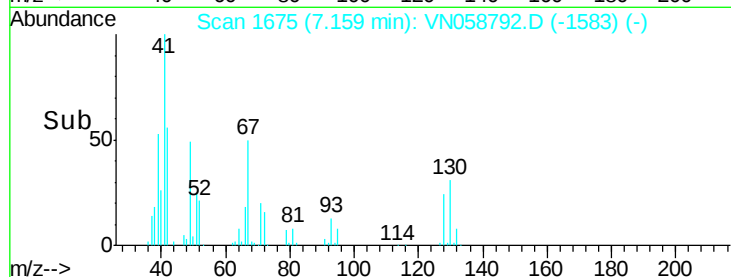
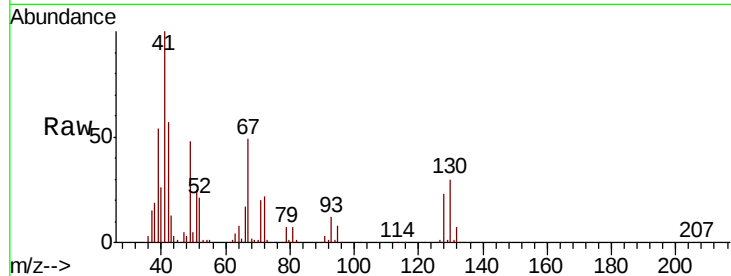
#41
Methacrylonitrile
Concen: 53.265 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

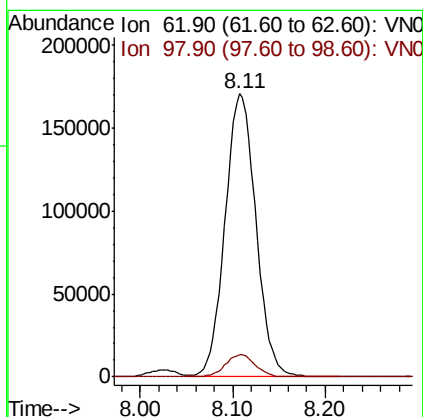
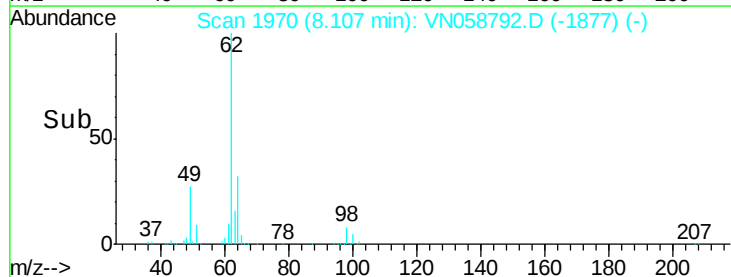
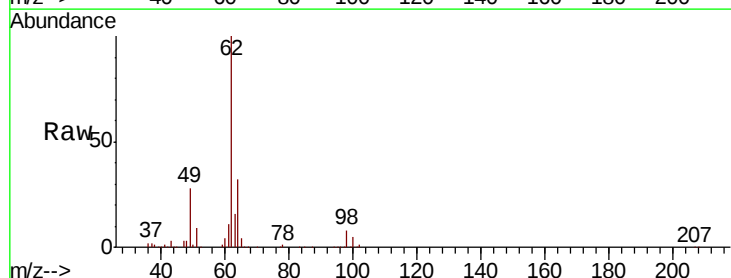
Manual Integrations
APPROVED

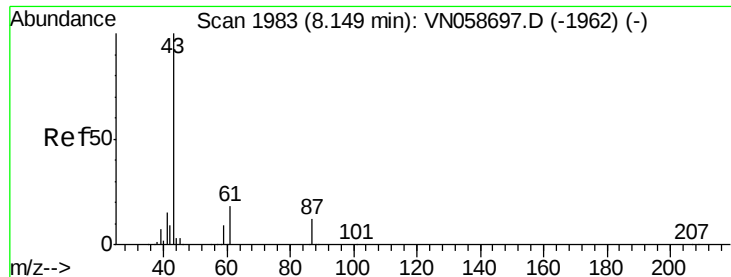
MMDadoda
10/18/2019 12:51:24 AM



#42
1,2-Dichloroethane
Concen: 51.713 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.8





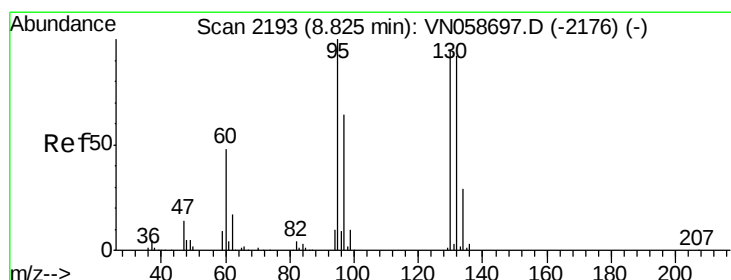
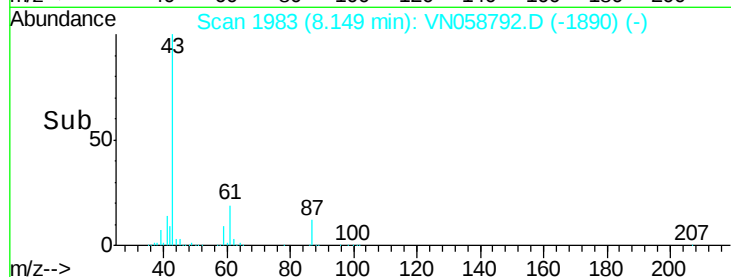
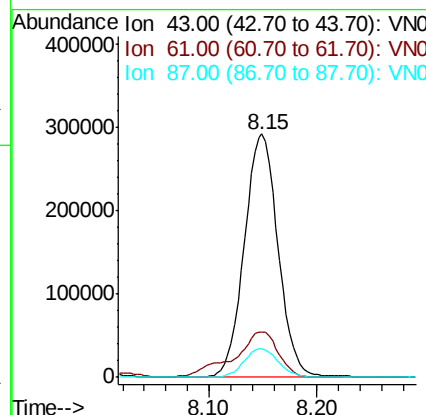
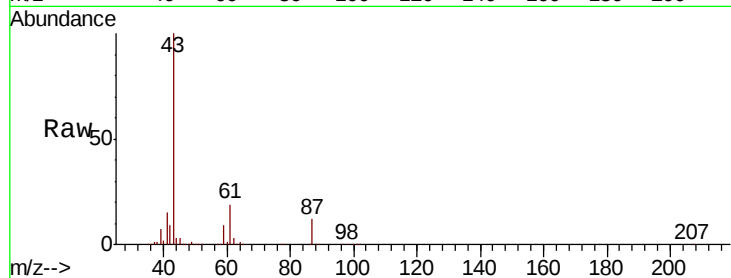
#43
Isopropyl Acetate
Concen: 53.119 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.3	30.5
87	12.1	9.8	14.6

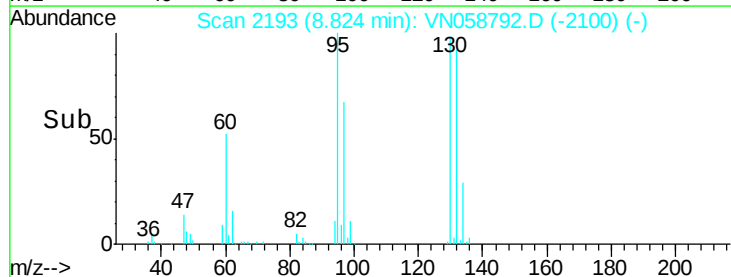
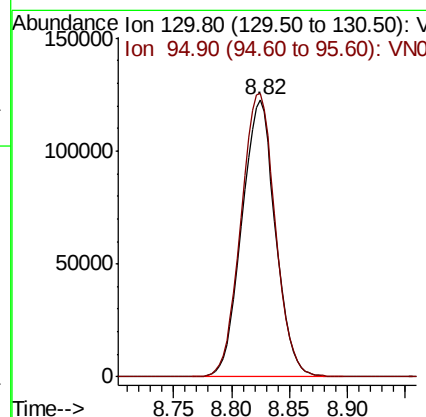
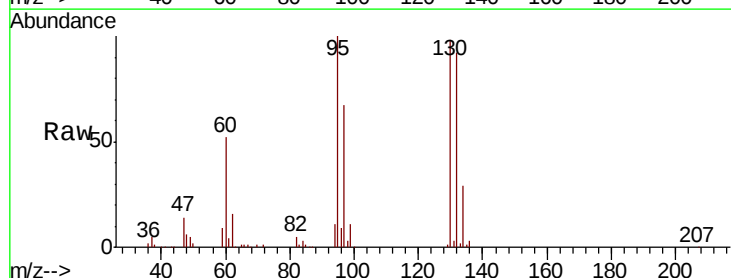
Manual Integrations
APPROVED

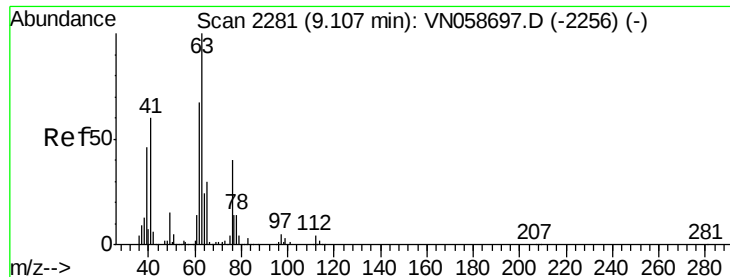
MMDadoda
10/18/2019 12:51:24 AM



#44
Trichloroethene
Concen: 50.202 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	211.2





#45

1,2-Dichloropropane

Concen: 52.925 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 280819

Ion Ratio Lower Upper

63 100

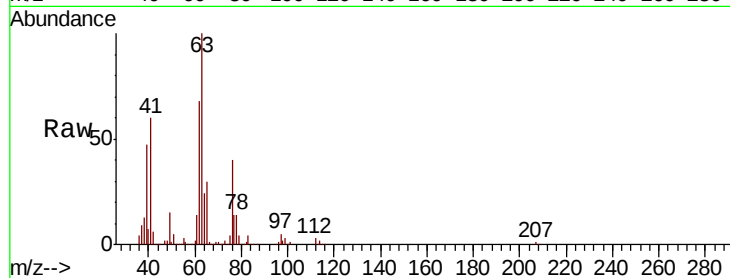
65 30.1 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:51:24 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.11

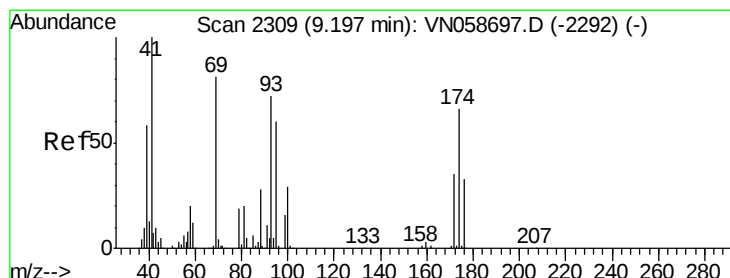
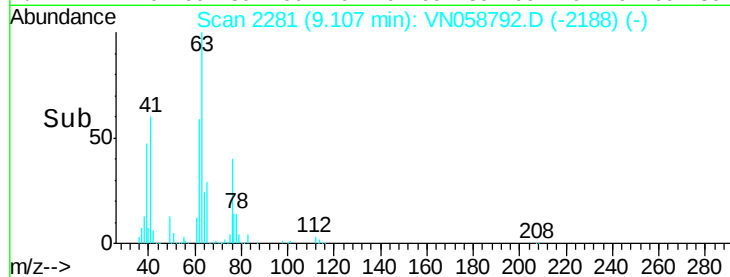
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 53.221 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

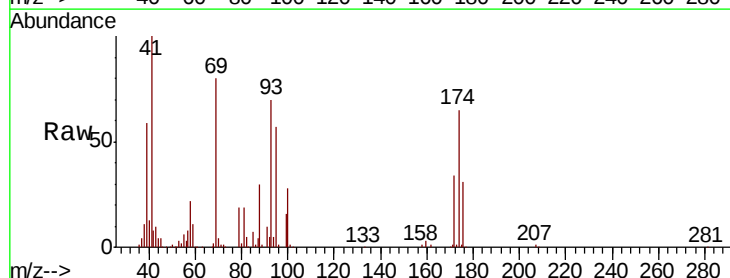
Tgt Ion: 93 Resp: 179035

Ion Ratio Lower Upper

93 100

95 82.4 66.6 100.0

174 92.2 75.2 112.8



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

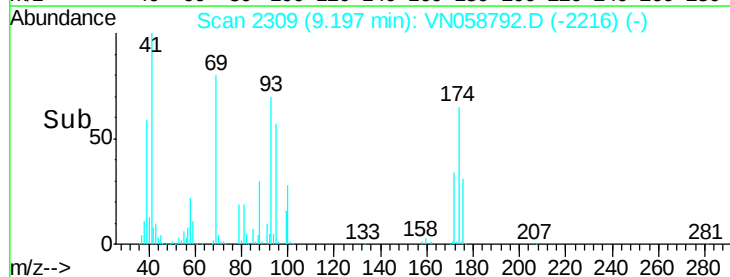
60000

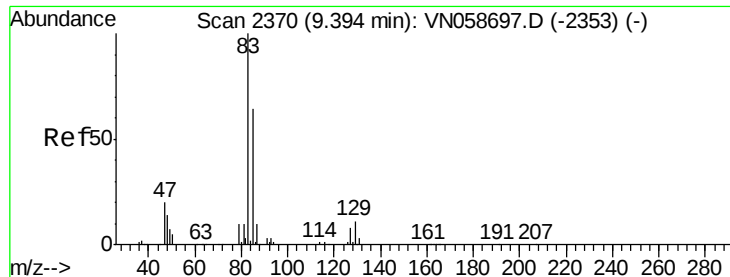
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 53.947 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

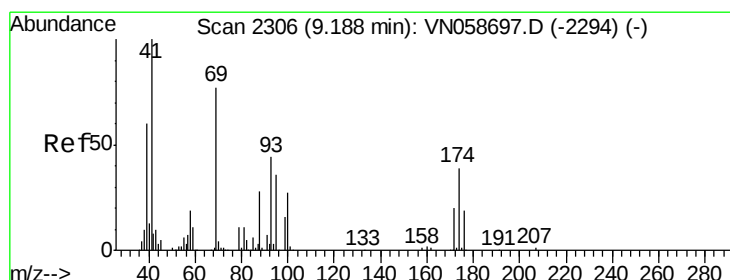
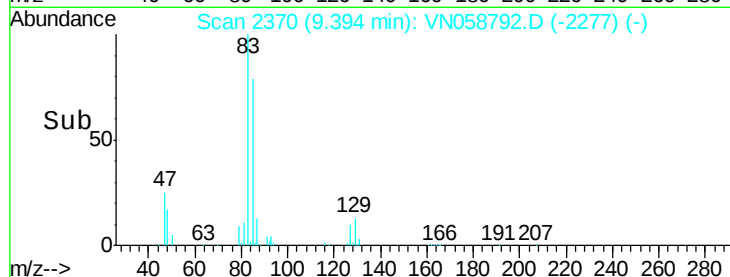
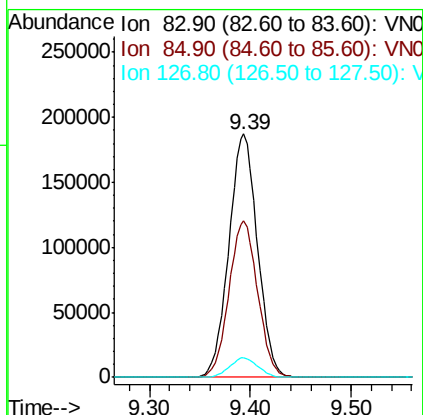
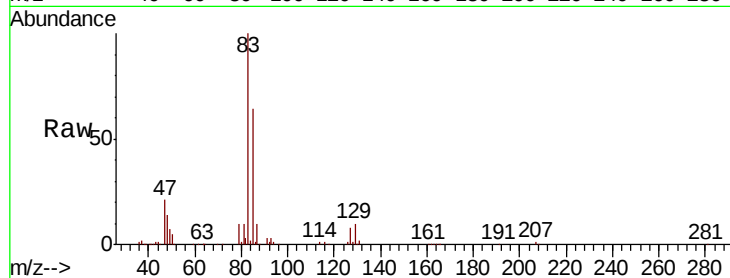
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	369554
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.9	76.3
127	8.0	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM



#48

Methyl methacrylate

Concen: 53.886 ug/l

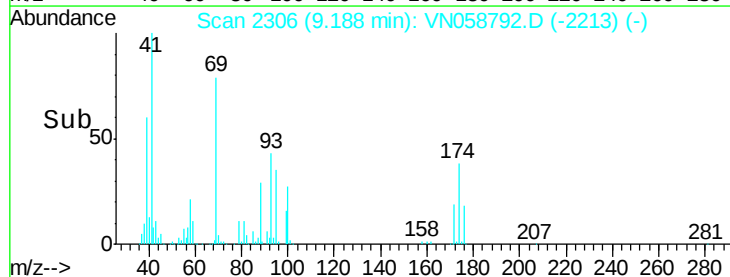
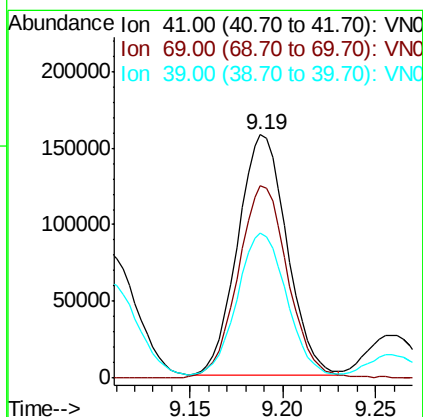
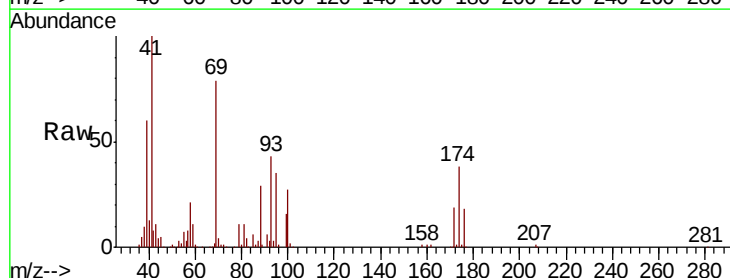
RT: 9.19 min Scan# 2306

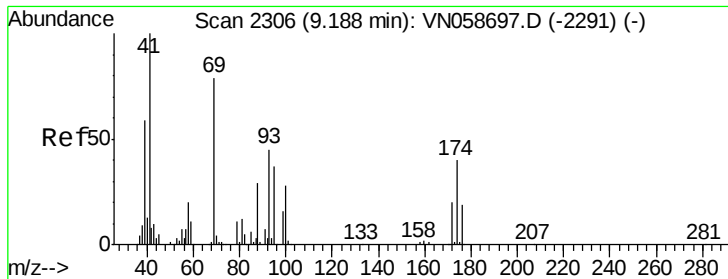
Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Tgt Ion:	41	Resp:	290420
Ion Ratio	Lower	Upper	
41	100		
69	81.0	63.4	95.2
39	61.5	48.9	73.3





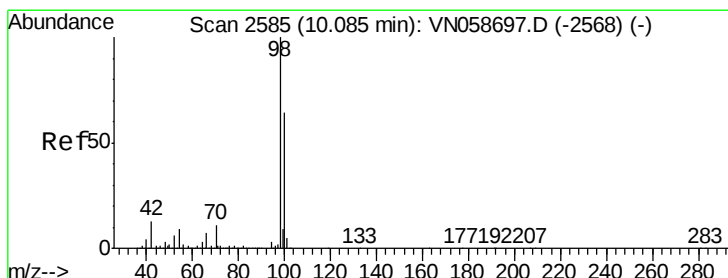
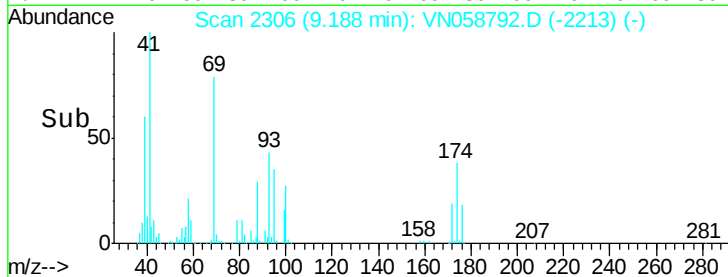
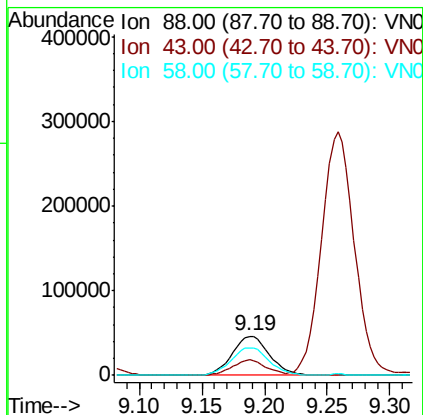
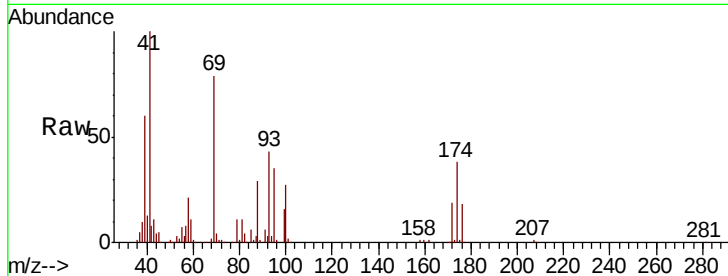
#49
1,4-Dioxane
Concen: 1145.349 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	28.6	43.0
58	72.3	57.2	85.8

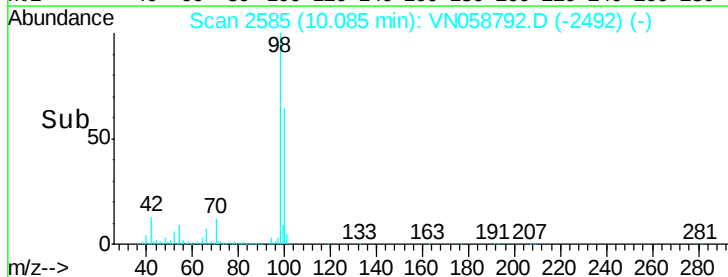
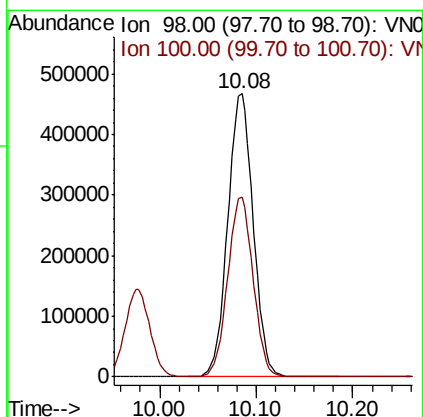
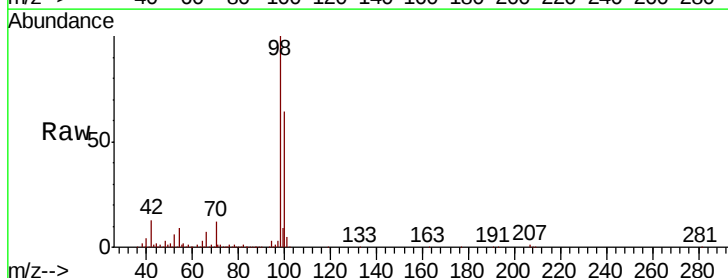
Manual Integrations
APPROVED

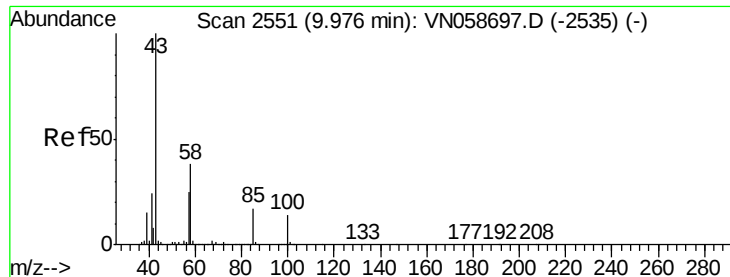
MMDadoda
10/18/2019 12:51:24 AM



#50
Toluene-d8
Concen: 50.511 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 295.223 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1971342

Ion Ratio Lower Upper

43 100

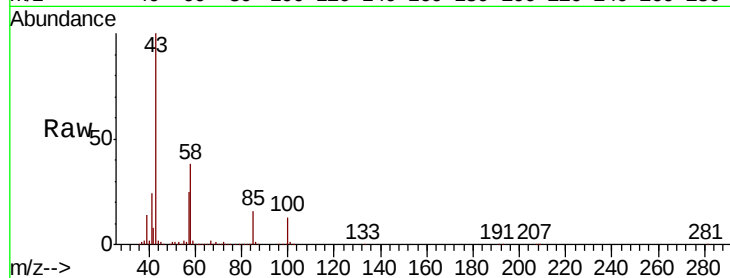
58 37.4 30.3 45.5

Manual Integrations

APPROVED

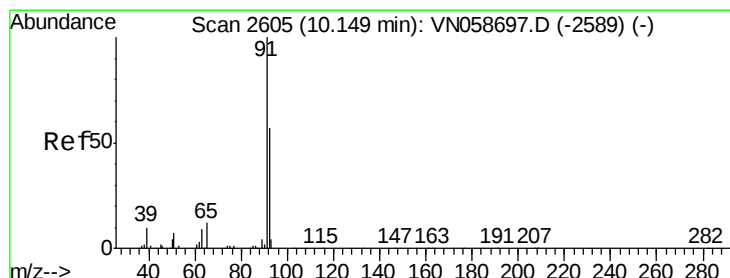
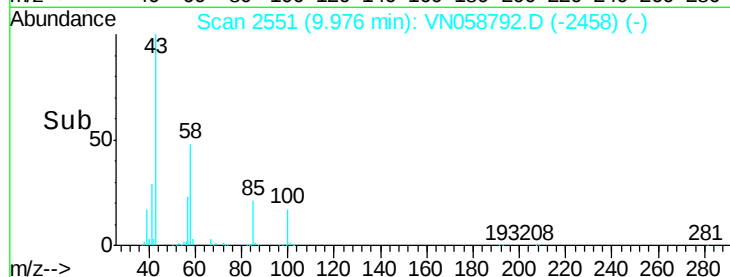
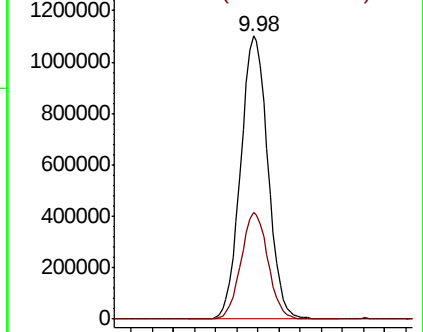
MMDadoda

10/18/2019 12:51:24 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.886 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058792.D

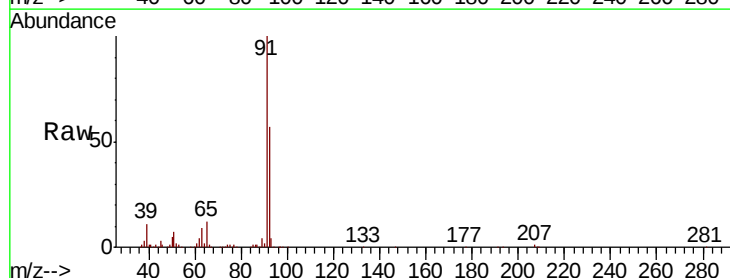
Acq: 16 Oct 2019 10:35

Tgt Ion: 92 Resp: 628989

Ion Ratio Lower Upper

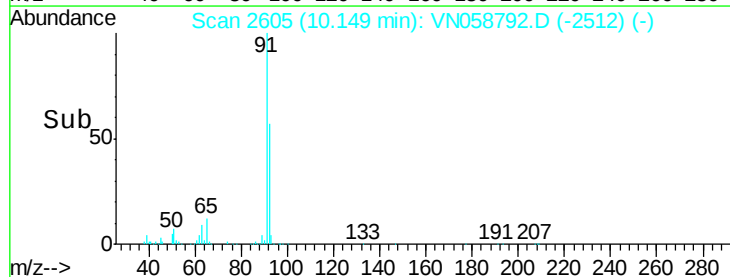
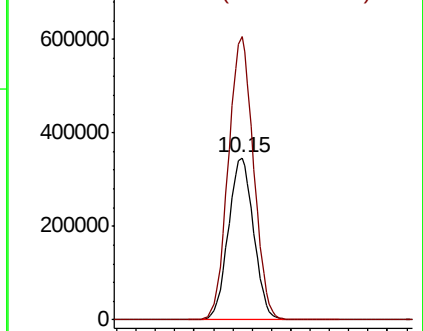
92 100

91 174.8 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





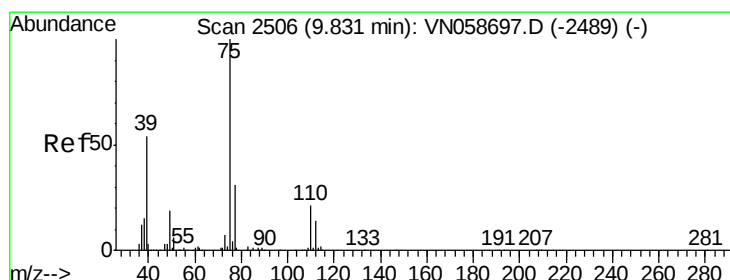
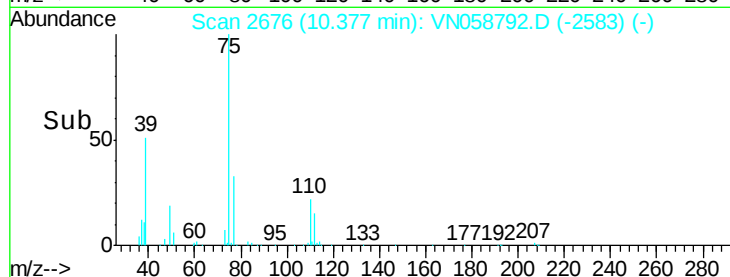
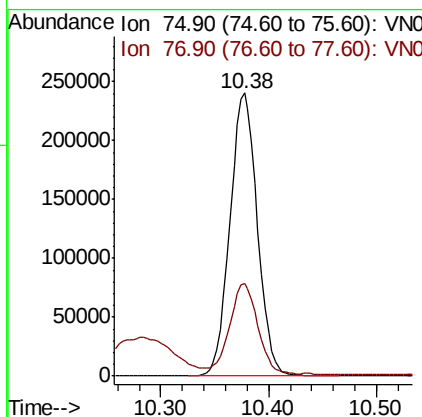
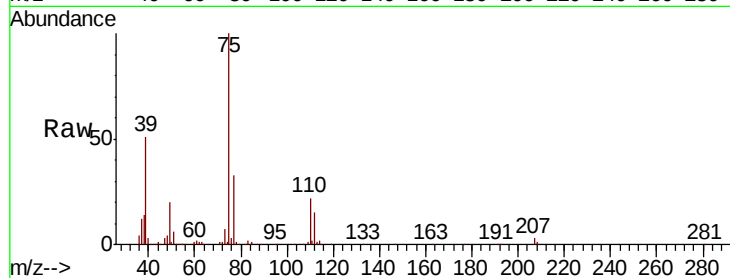
#53
t-1,3-Dichloropropene
Concen: 53.812 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 422791
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.4

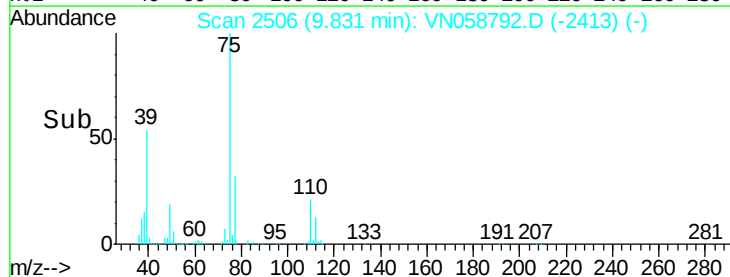
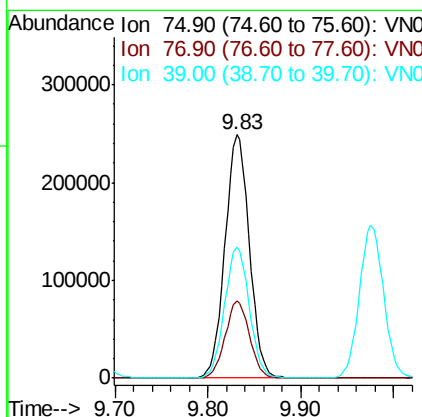
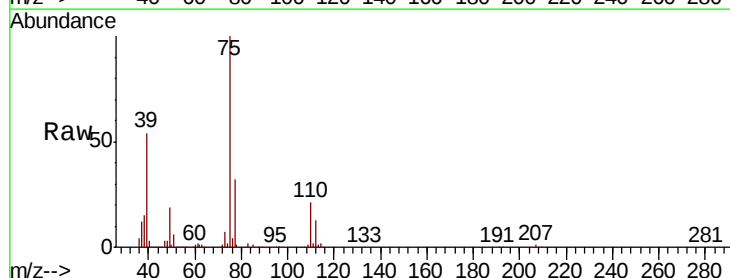
Manual Integrations
APPROVED

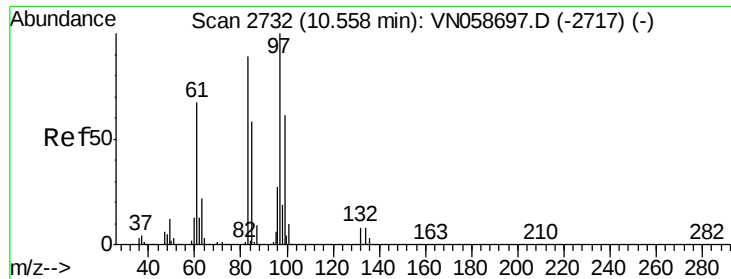
MMDadoda
10/18/2019 12:51:24 AM



#54
cis-1,3-Dichloropropene
Concen: 54.308 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion: 75 Resp: 453039
Ion Ratio Lower Upper
75 100
77 31.8 24.4 36.6
39 53.8 43.1 64.7





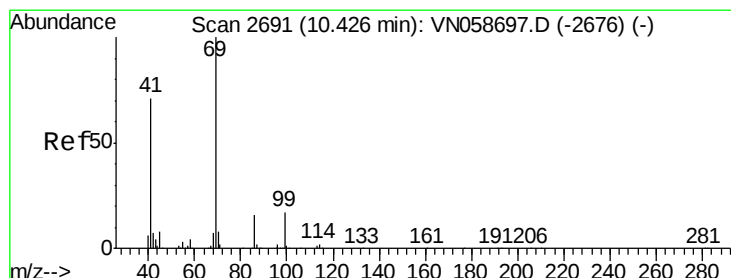
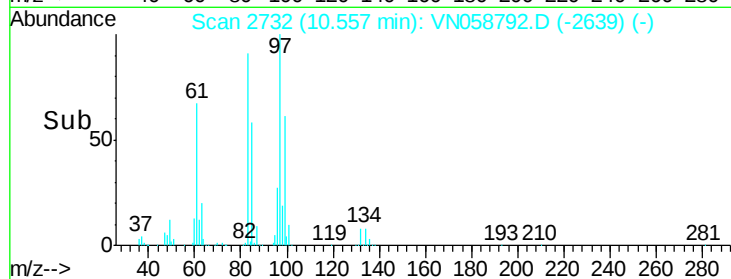
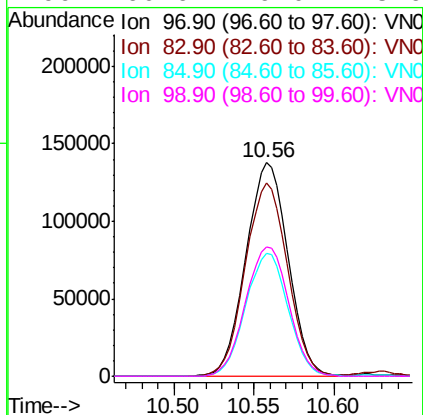
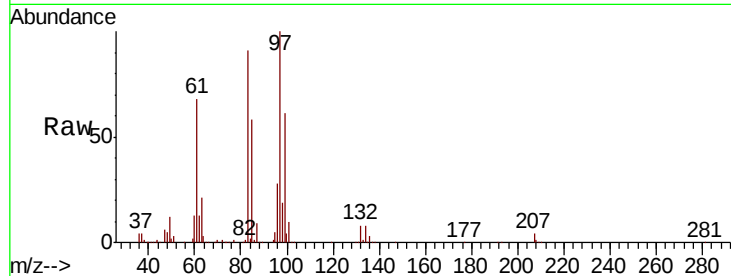
#55
 1,1,2-Trichloroethane
 Concen: 50.106 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	248611
Ion	Ratio	Lower	Upper
97	100		
83	90.5	71.2	106.8
85	57.7	46.7	70.1
99	60.6	49.0	73.6

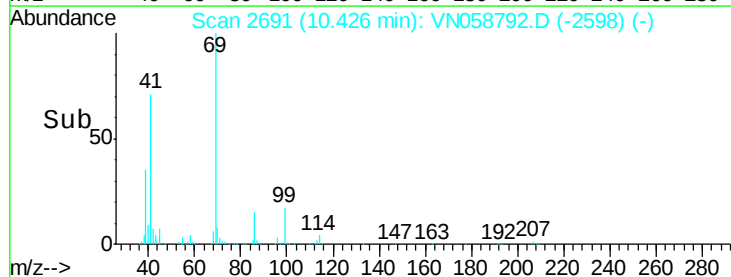
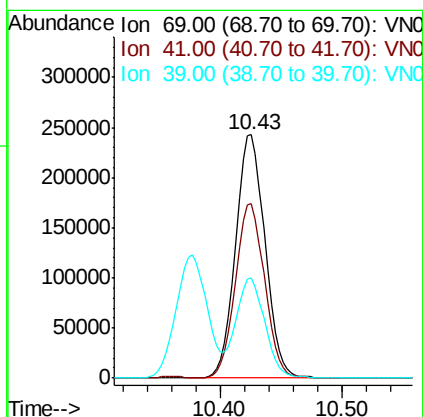
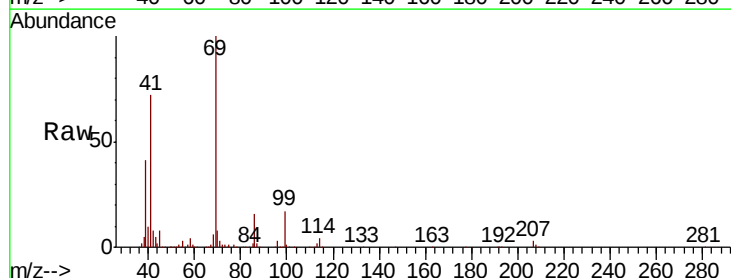
Manual Integrations
 APPROVED

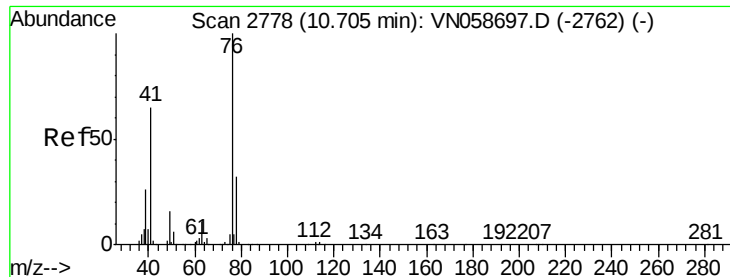
MMDadoda
 10/18/2019 12:51:24 AM



#56
 Ethyl methacrylate
 Concen: 56.063 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion:	69	Resp:	406376
Ion	Ratio	Lower	Upper
69	100		
41	70.7	56.8	85.2
39	39.5	32.5	48.7





#57

1,3-Dichloropropane

Concen: 52.164 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 441046

Ion Ratio Lower Upper

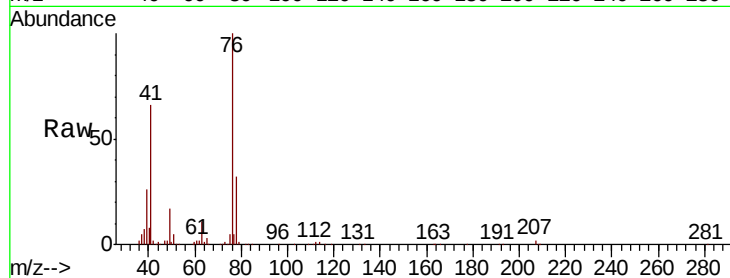
76 100

78 32.6 25.9 38.9

Manual Integrations
APPROVED

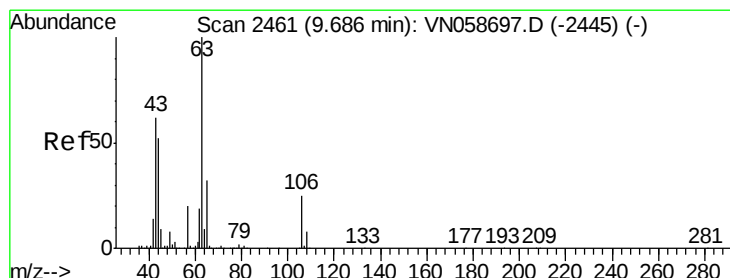
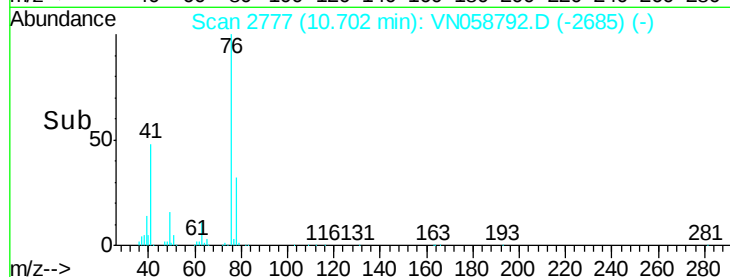
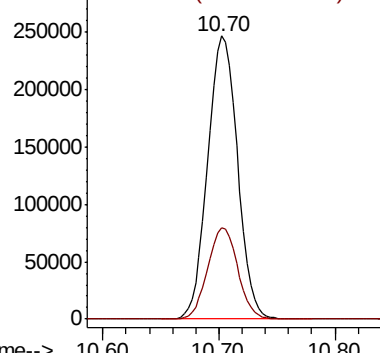
MMDadoda

10/18/2019 12:51:24 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: 272.314 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058792.D

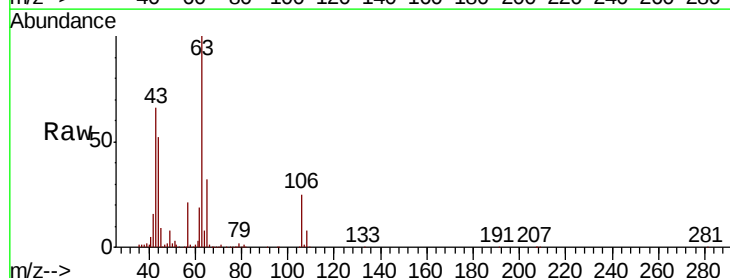
Acq: 16 Oct 2019 10:35

Tgt Ion: 63 Resp: 951263

Ion Ratio Lower Upper

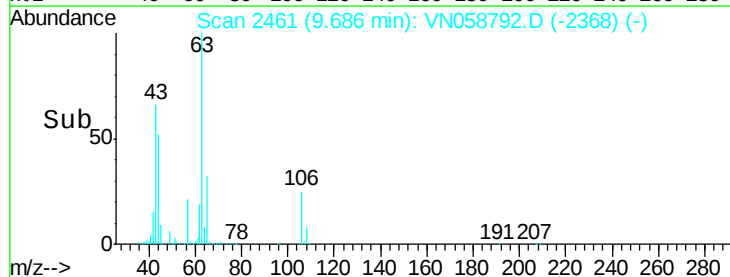
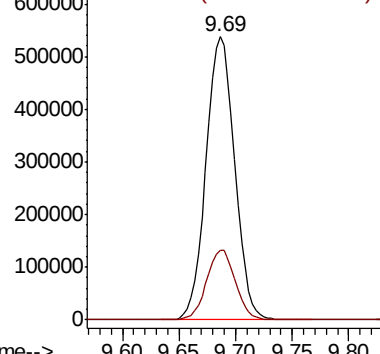
63 100

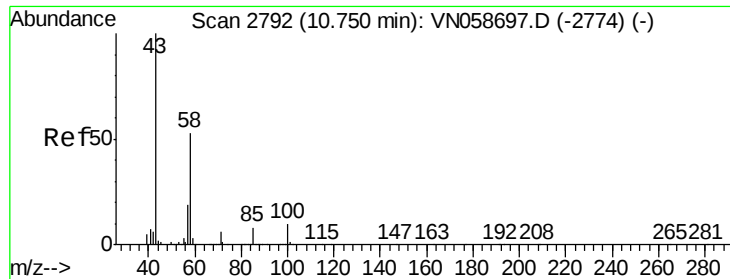
106 24.7 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





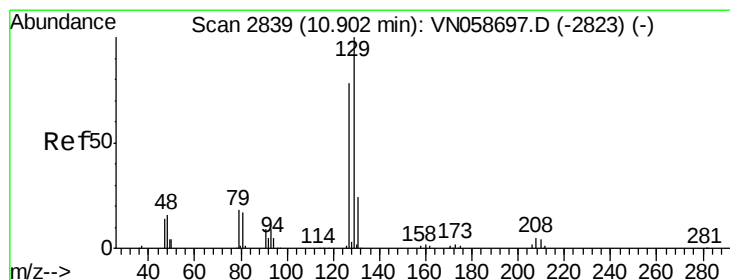
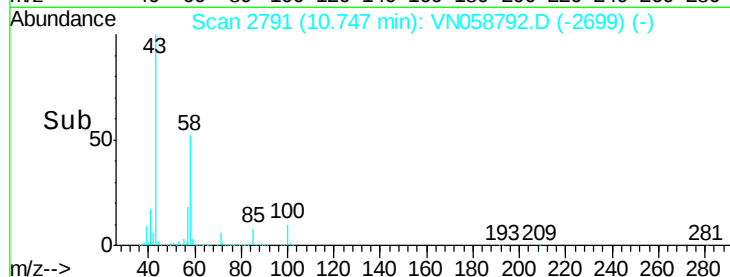
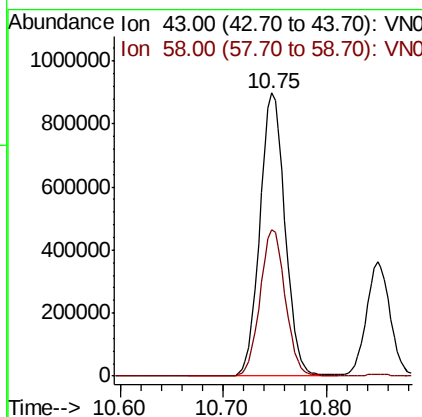
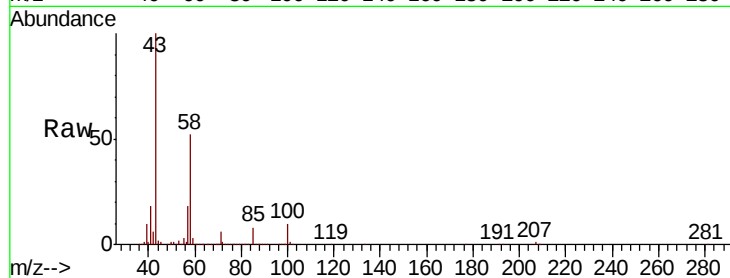
#59
2-Hexanone
Concen: 293.039 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1512191
Ion Ratio Lower Upper
43 100
58 52.0 26.1 78.3

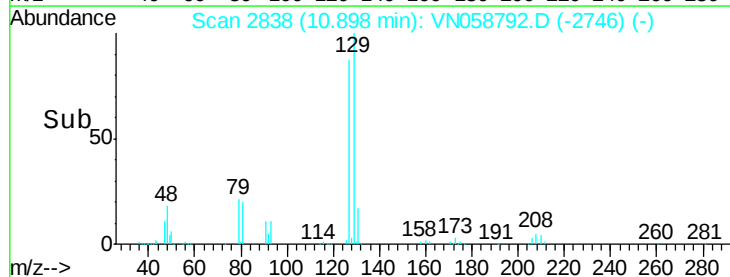
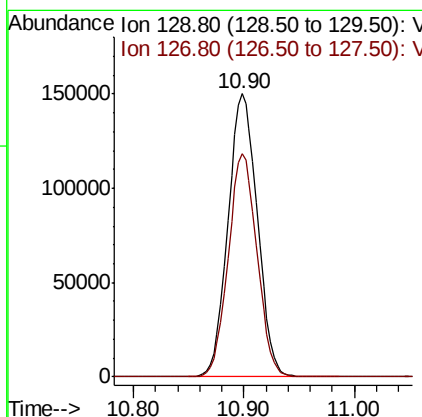
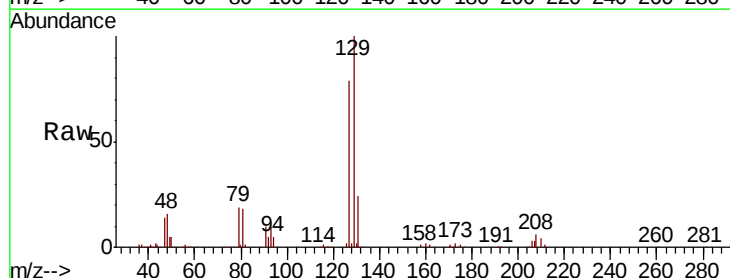
Manual Integrations
APPROVED

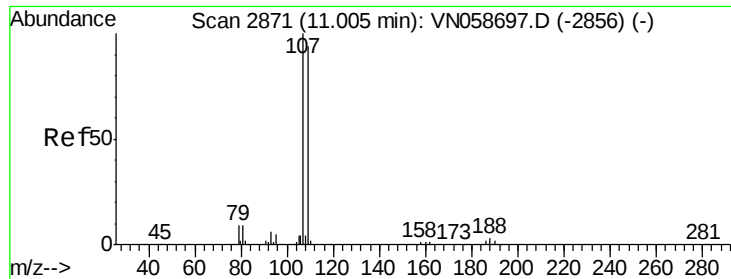
MMDadoda
10/18/2019 12:51:24 AM



#60
Dibromochloromethane
Concen: 54.094 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion: 129 Resp: 276871
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3





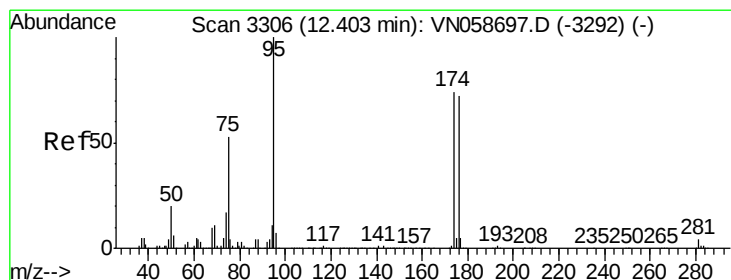
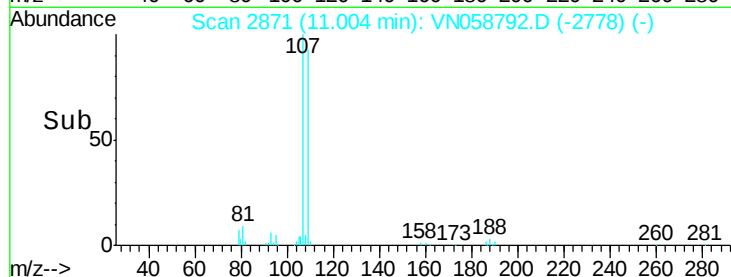
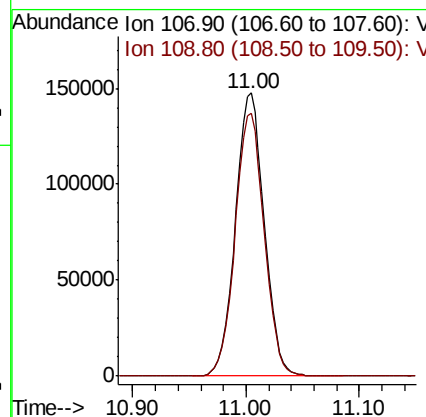
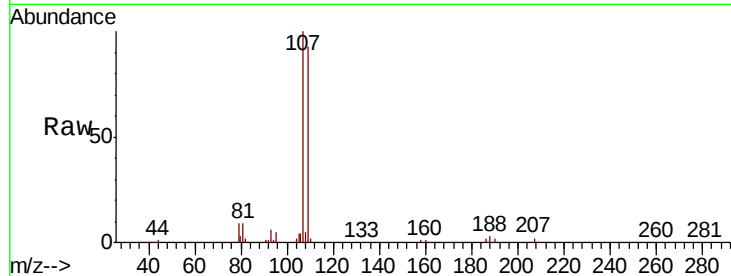
#61
 1,2-Dibromoethane
 Concen: 52.571 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.4	113.0

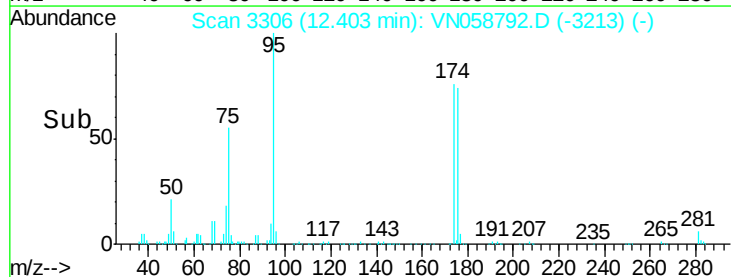
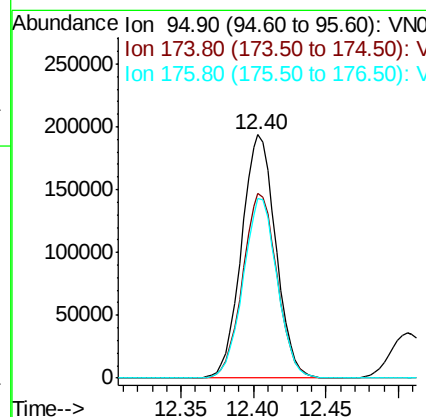
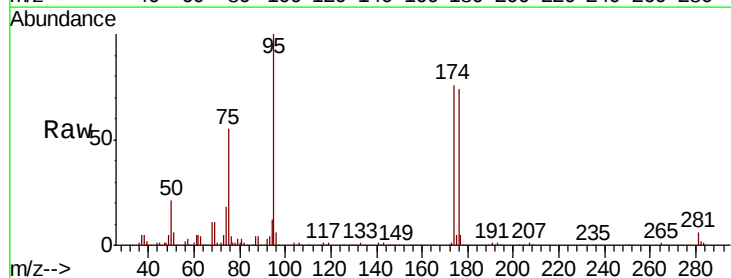
Manual Integrations
 APPROVED

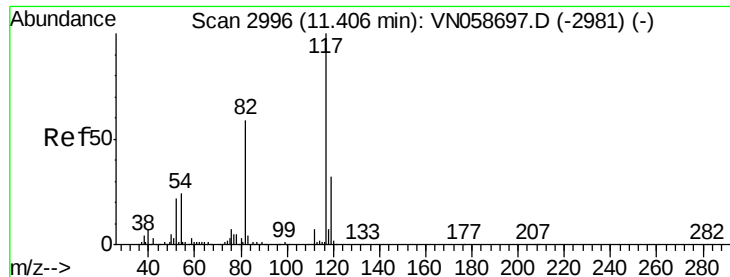
MMDadoda
 10/18/2019 12:51:24 AM



#62
 4-Bromofluorobenzene
 Concen: 49.793 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	150.4
176	73.5	0.0	146.8





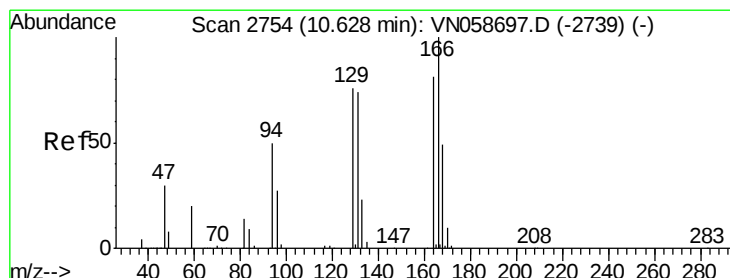
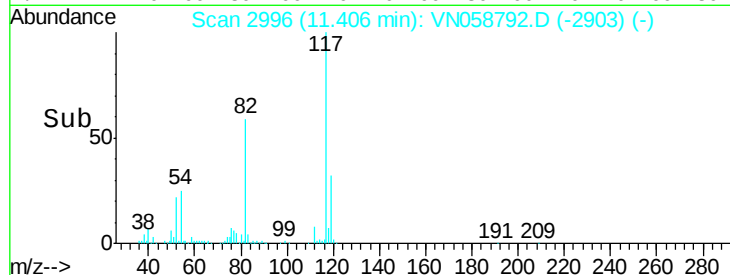
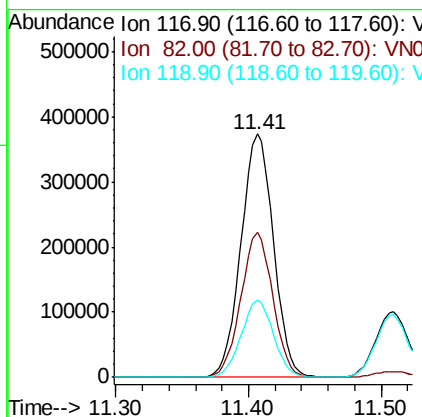
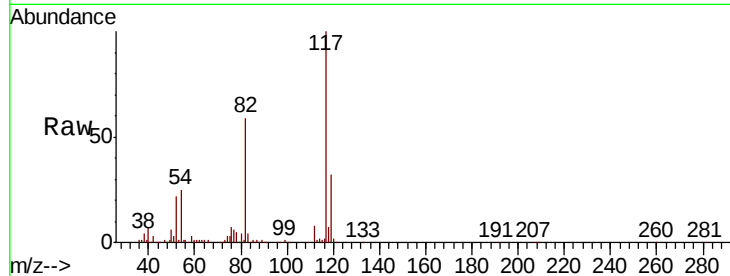
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	637305		
82	59.4		47.0	70.4
119	32.0		25.4	38.2

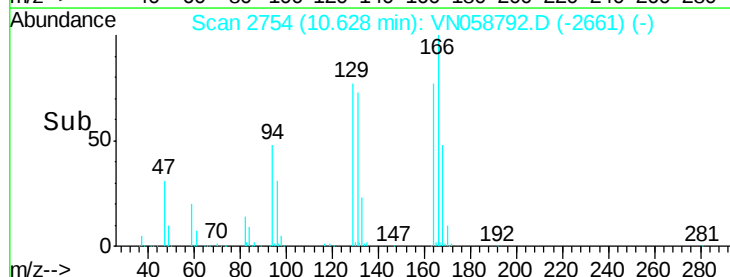
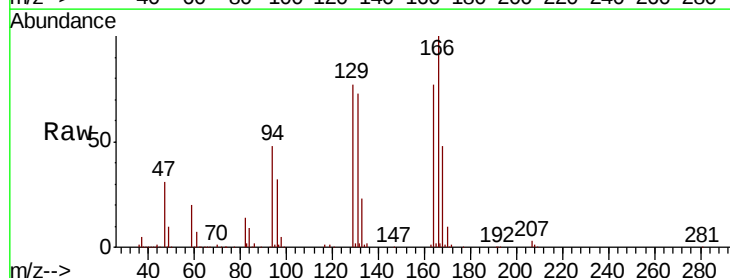
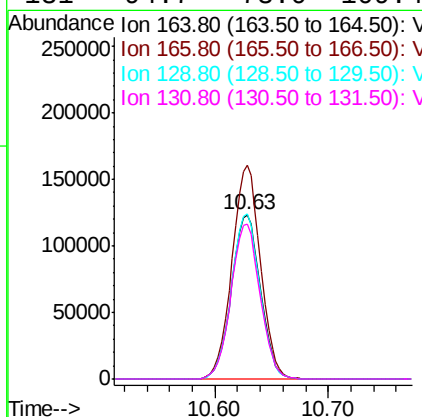
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM



#64
Tetrachloroethene
Concen: 49.339 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	220056		
166	130.3		99.3	148.9
129	100.7		75.2	112.8
131	94.7		73.0	109.4





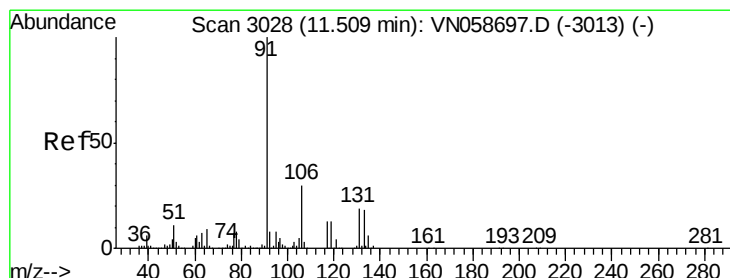
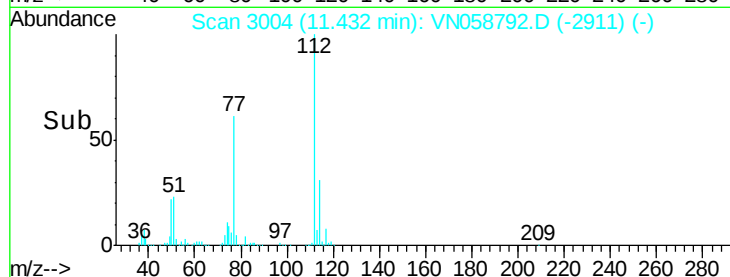
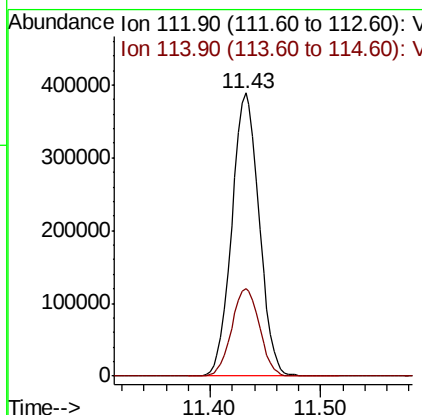
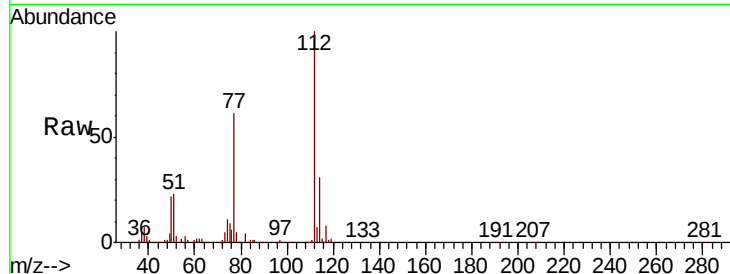
#65
Chlorobenzene
Concen: 51.648 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.2	37.8

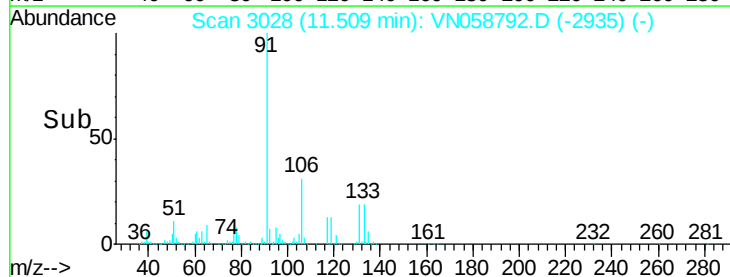
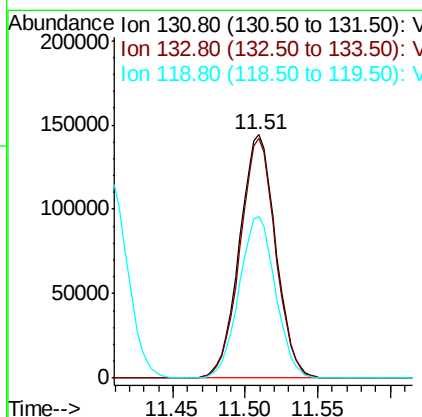
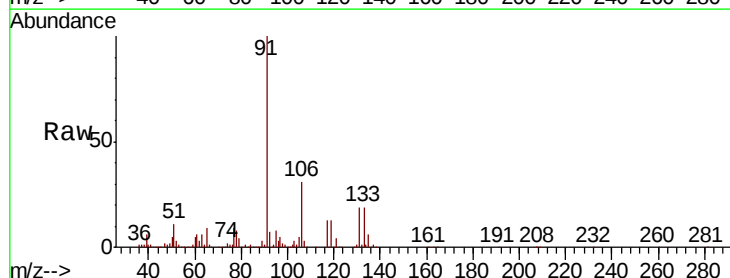
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.308 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.6	142.9
119	66.6	33.0	98.9





#67

Ethyl Benzene

Concen: 53.833 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1241964

Ion Ratio Lower Upper

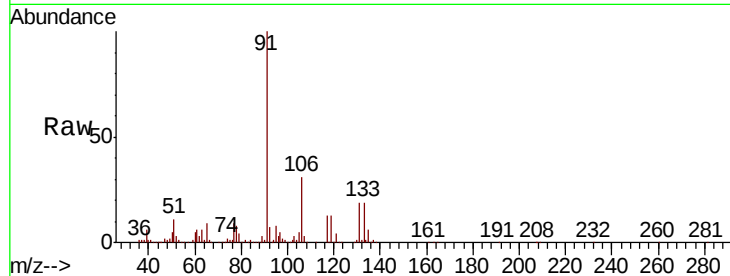
91 100

106 30.5 24.1 36.1

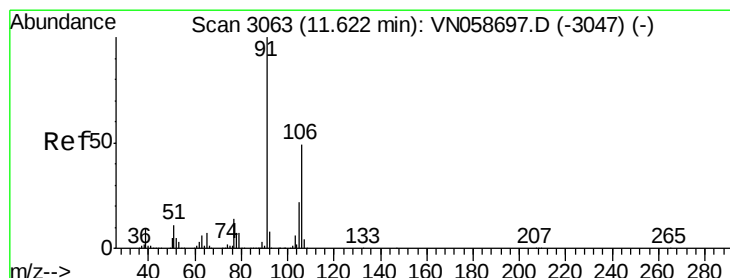
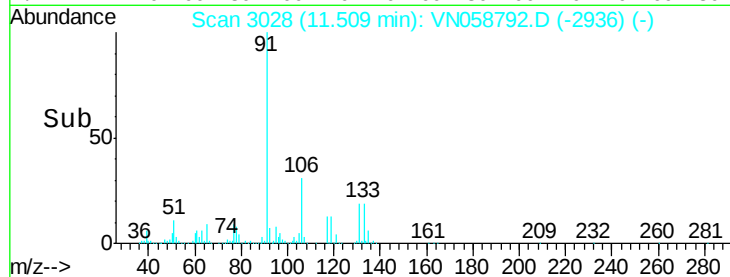
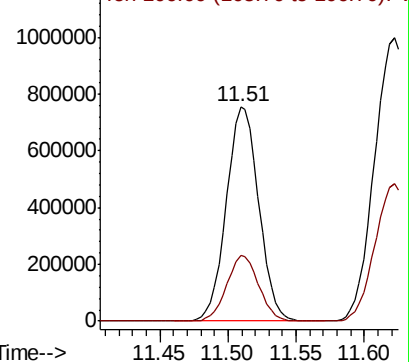
Manual Integrations
APPROVED

MMDadoda

10/18/2019 12:51:24 AM



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3013) (-)



#68

m/p-Xylenes

Concen: 105.622 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058792.D

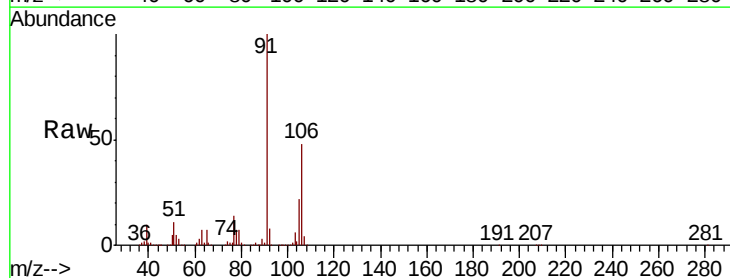
Acq: 16 Oct 2019 10:35

Tgt Ion: 106 Resp: 914457

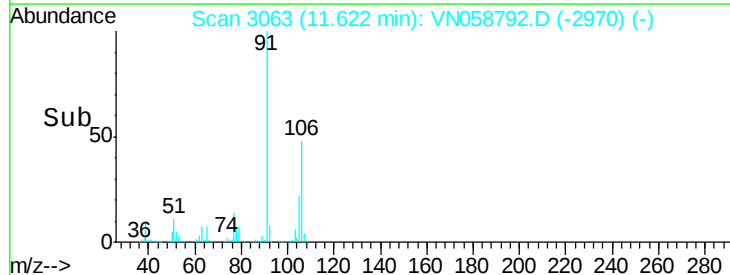
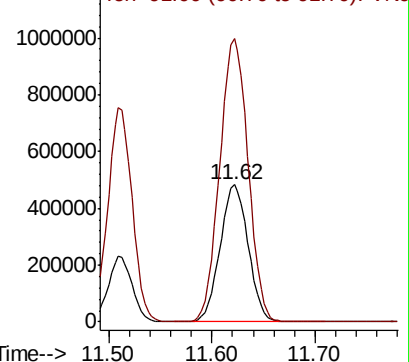
Ion Ratio Lower Upper

106 100

91 209.1 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): VN058697.D (-3047) (-)





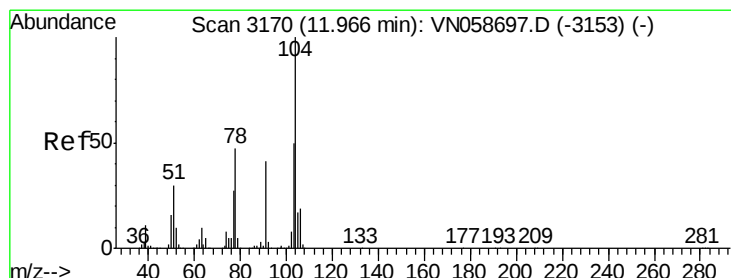
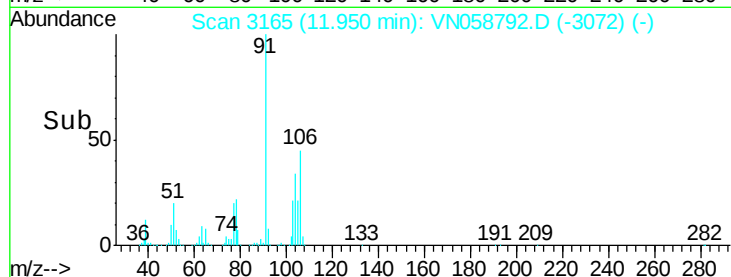
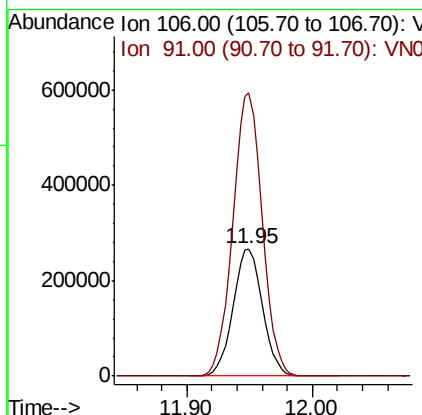
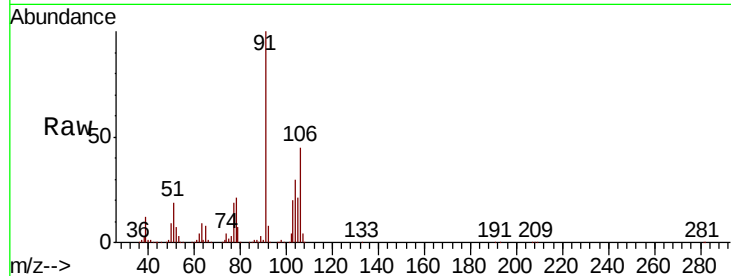
#69
o-Xylene
Concen: 51.961 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.5	110.9	332.9

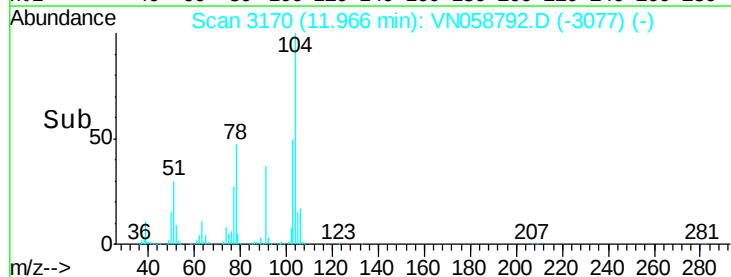
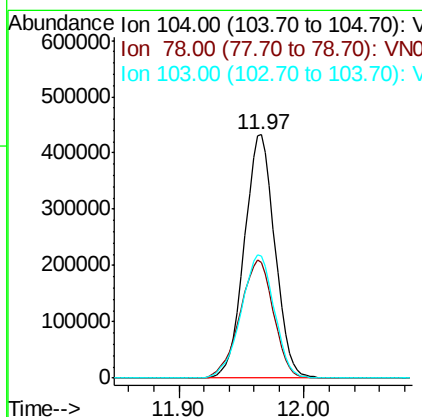
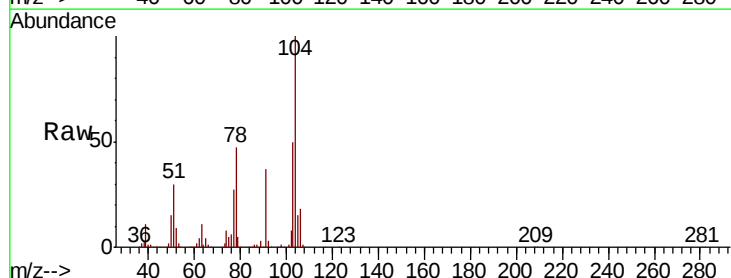
Manual Integrations
APPROVED

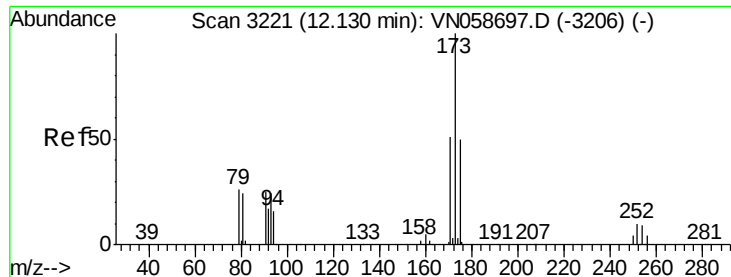
MMDadoda
10/18/2019 12:51:24 AM



#70
Styrene
Concen: 53.367 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.2	63.2
103	55.3	43.7	65.5





#71

Bromoform

Concen: 56.647 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

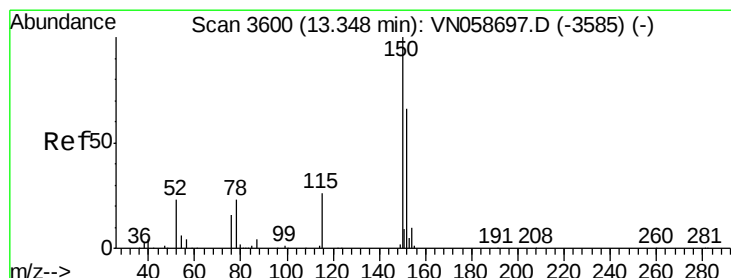
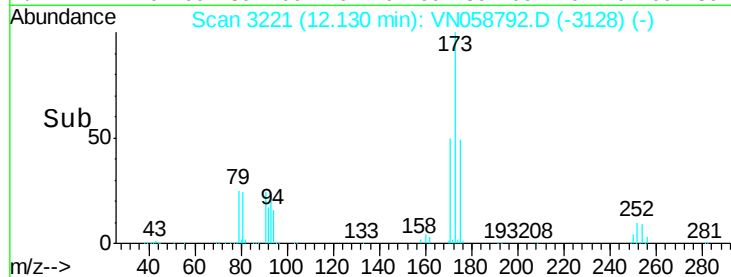
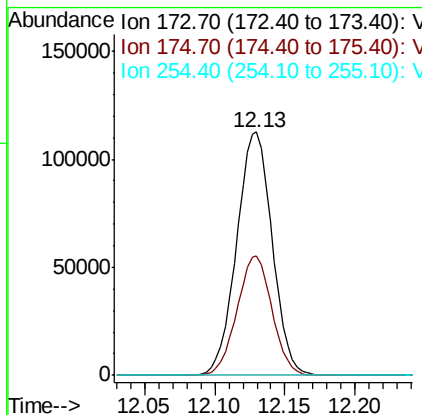
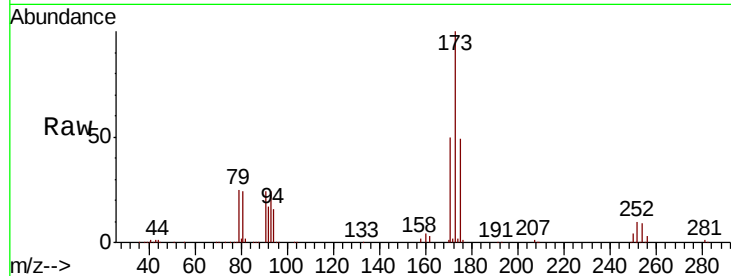
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	198712
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.6	73.8
254	0.1	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

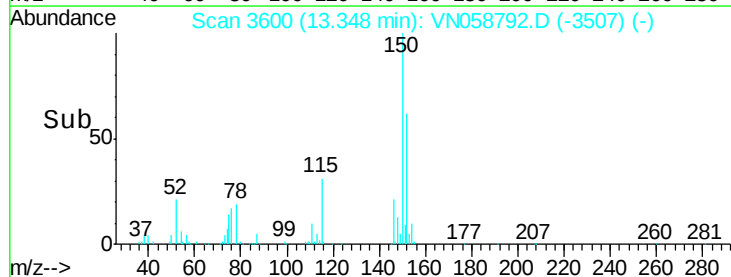
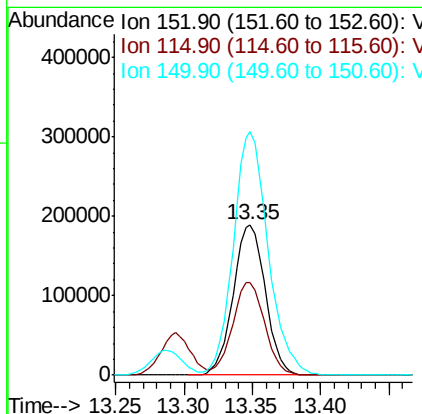
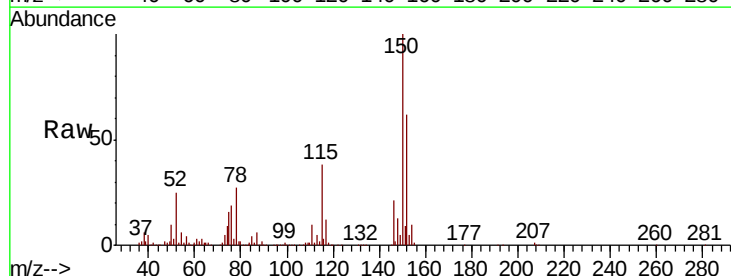
RT: 13.35 min Scan# 3600

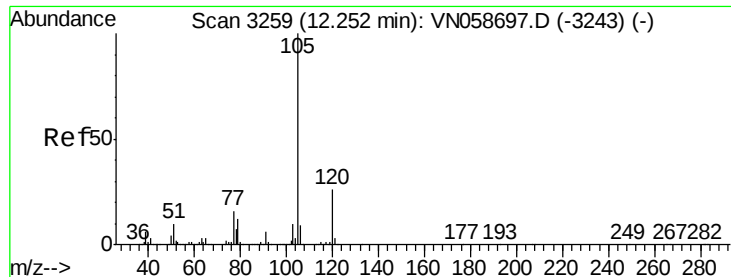
Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Tgt Ion:	152	Resp:	308508
Ion Ratio	Lower	Upper	
152	100		
115	61.0	30.4	91.2
150	175.2	0.0	345.4





#73

Isopropylbenzene

Concen: 53.980 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1206072

Ion Ratio Lower Upper

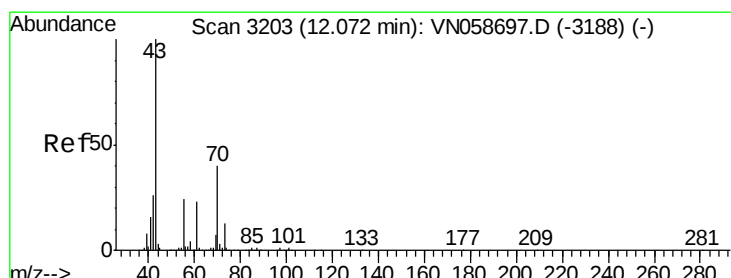
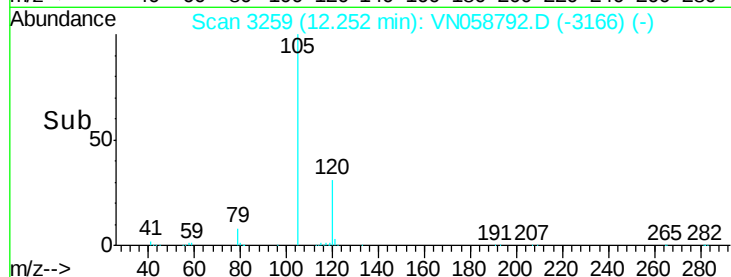
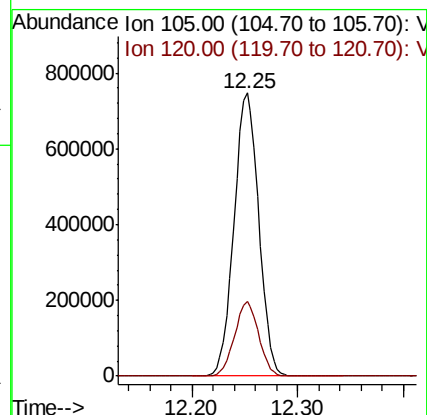
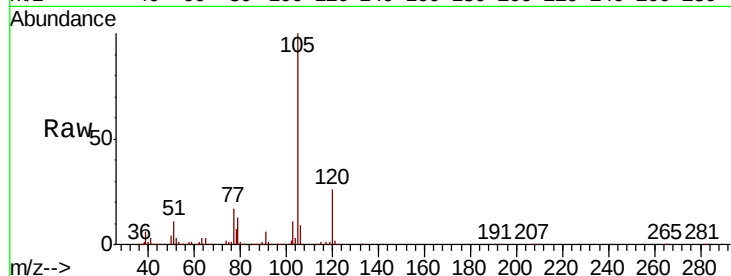
105 100

120 25.8 13.1 39.1

Manual Integrations
APPROVED

MMDadoda

10/18/2019 12:51:24 AM



#74

N-ethyl acetate

Concen: 56.512 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Tgt Ion: 43 Resp: 567101

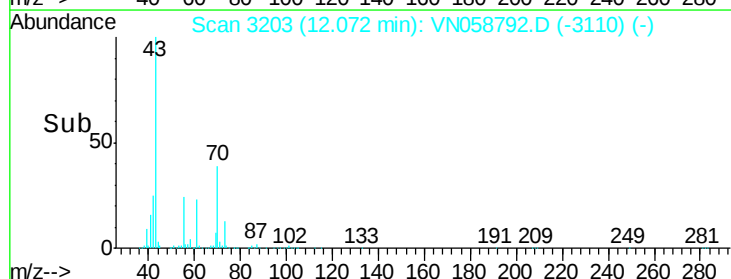
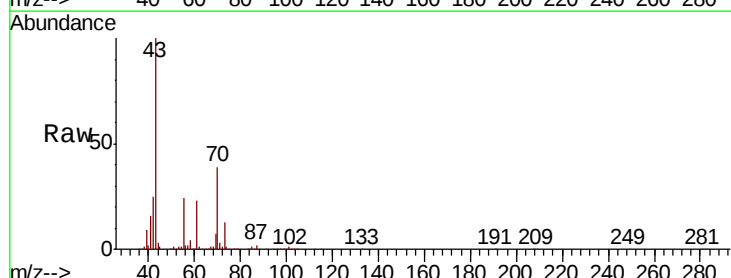
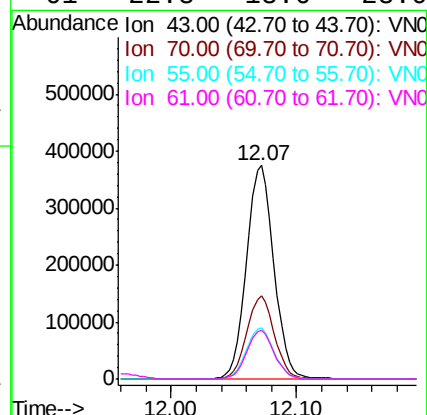
Ion Ratio Lower Upper

43 100

70 39.3 32.2 48.4

55 24.3 19.6 29.4

61 22.8 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.723 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

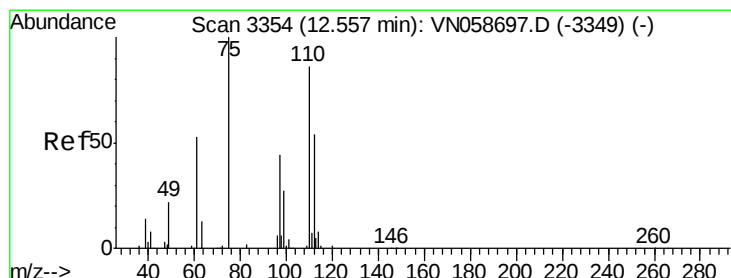
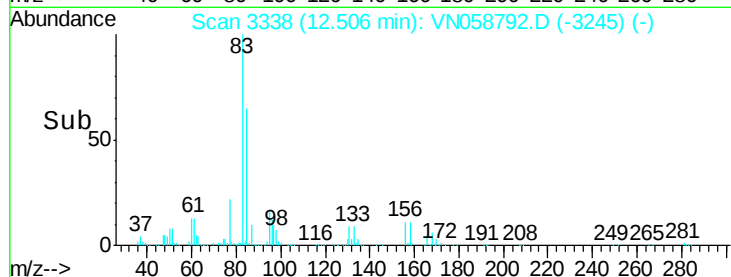
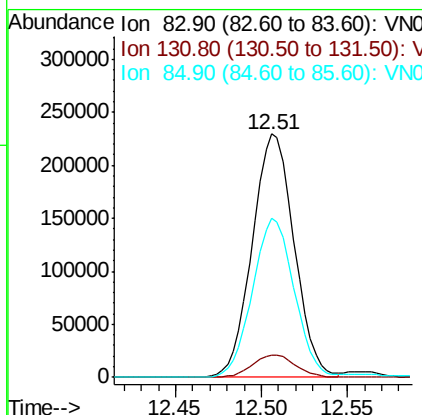
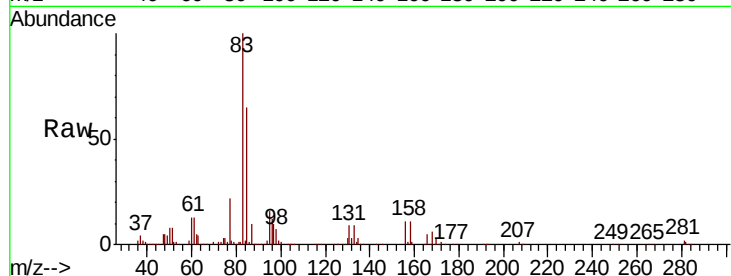
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	388060
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.4
85	65.1	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM



#76

1,2,3-Trichloropropane

Concen: 51.359 ug/l m

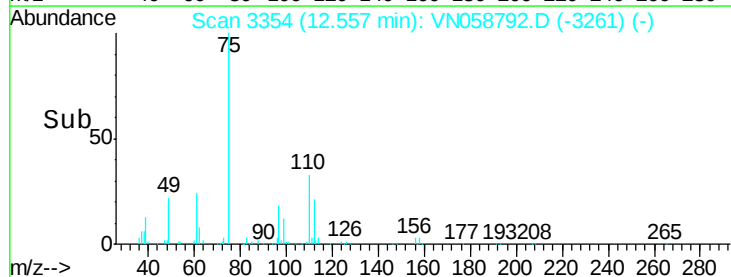
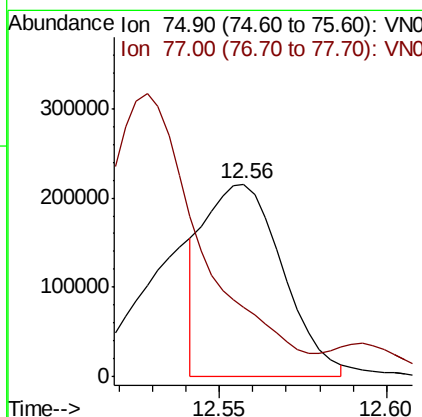
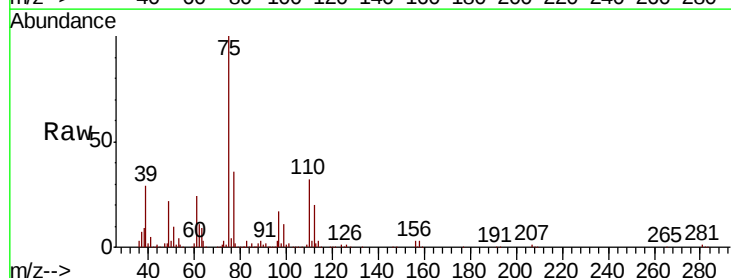
RT: 12.56 min Scan# 3354

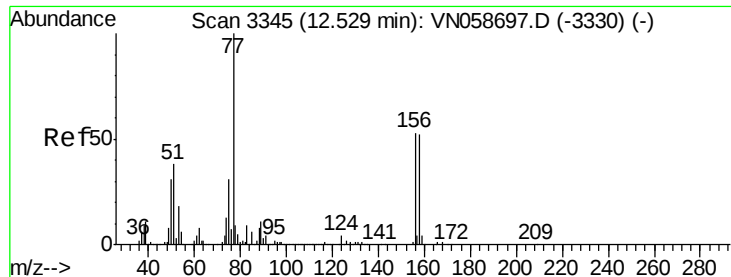
Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Tgt Ion:	75	Resp:	347591
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.614 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

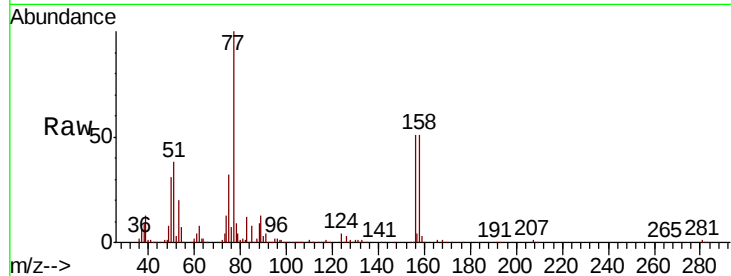
ClientSampleId :

VSTDCCC050

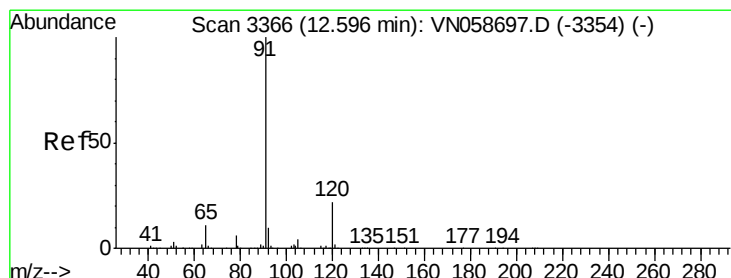
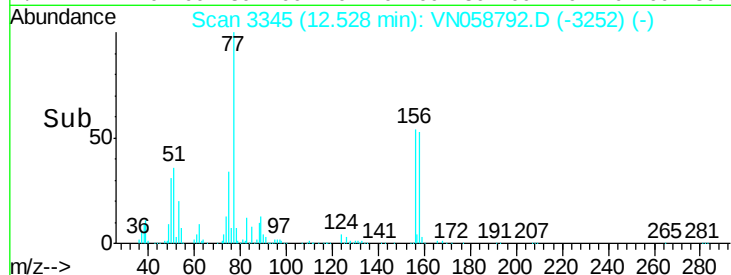
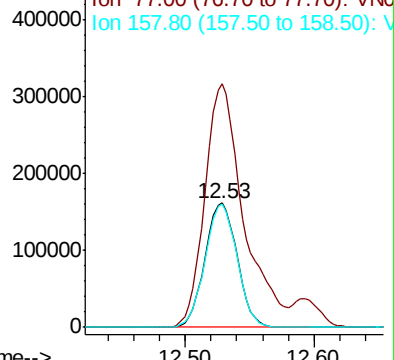
Tot Ion:	156	Resp:	280500
Ion Ratio	Lower	Upper	
156	100		
77	235.5	115.8	347.3
158	98.2	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM



Abundance Ion 155.80 (155.50 to 156.50): V



#78

n-propylbenzene

Concen: 55.023 ug/l

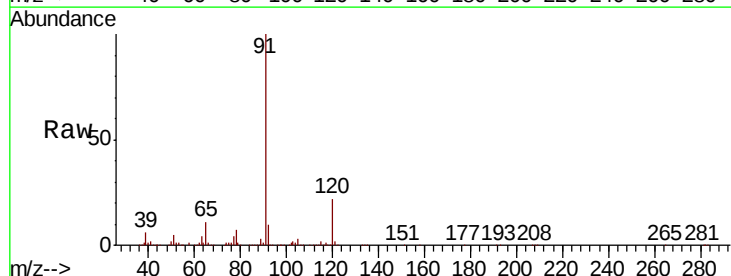
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

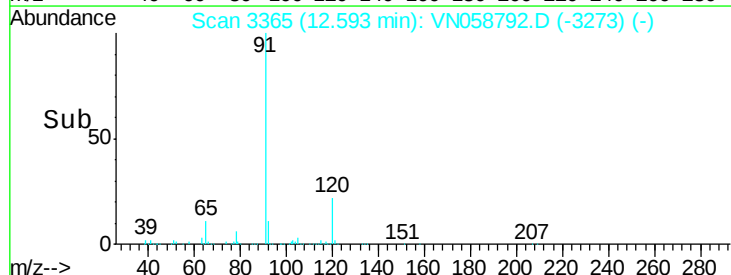
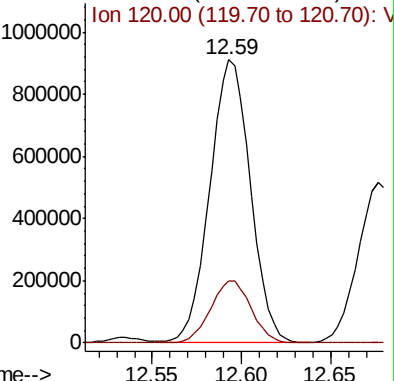
Lab File: VN058792.D

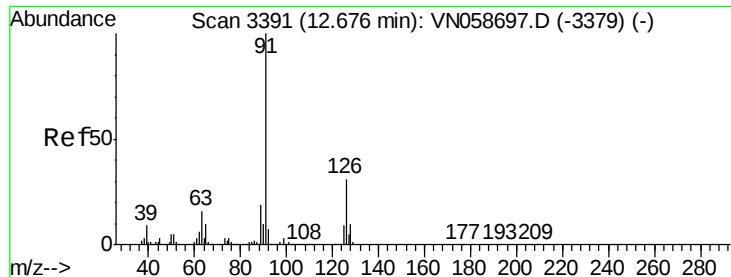
Acq: 16 Oct 2019 10:35

Tgt Ion:	91	Resp:	1432546
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0





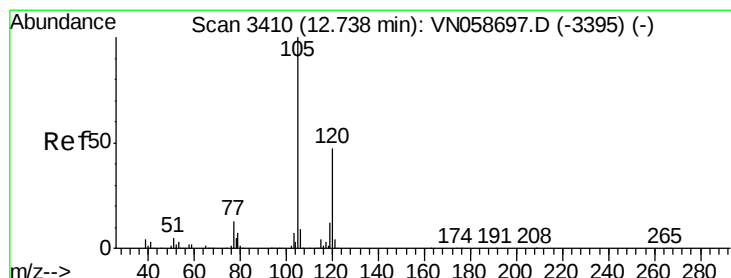
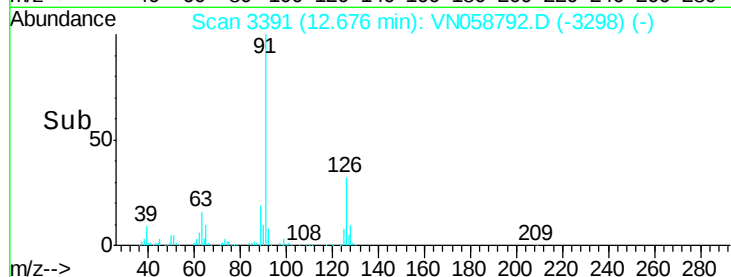
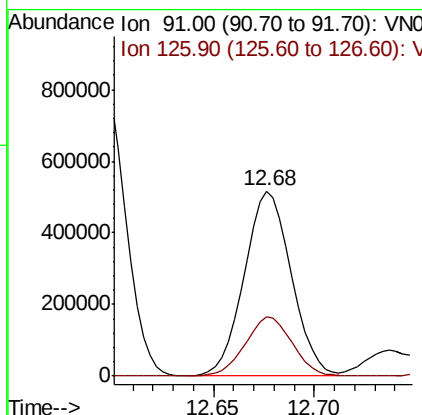
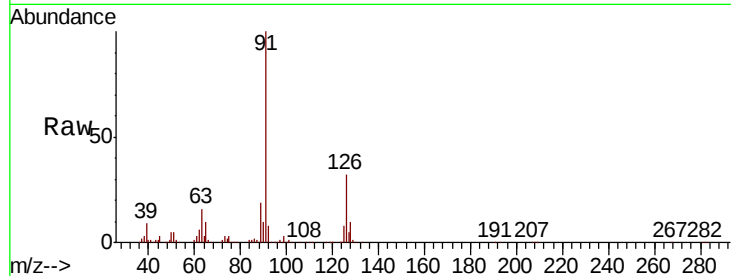
#79
 2-Chlorotoluene
 Concen: 52.075 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 841497
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.2 48.5

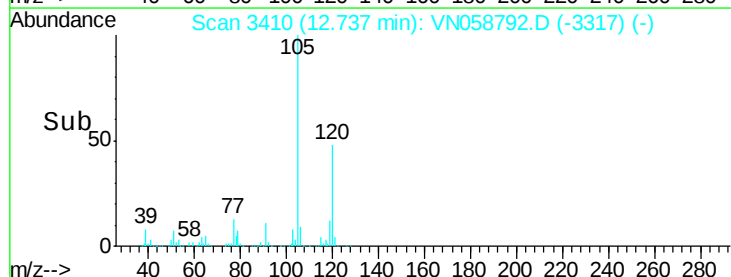
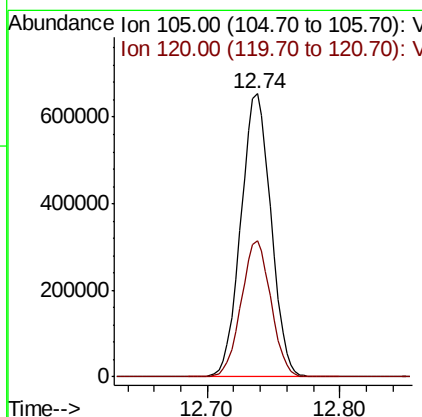
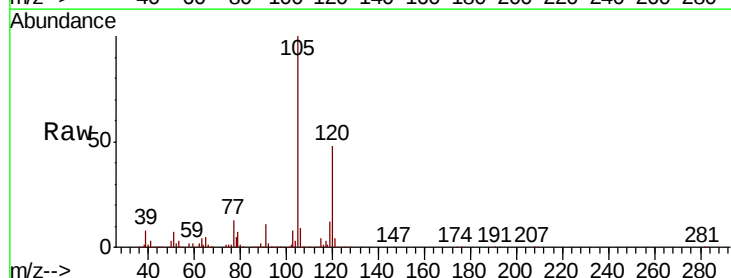
Manual Integrations
 APPROVED

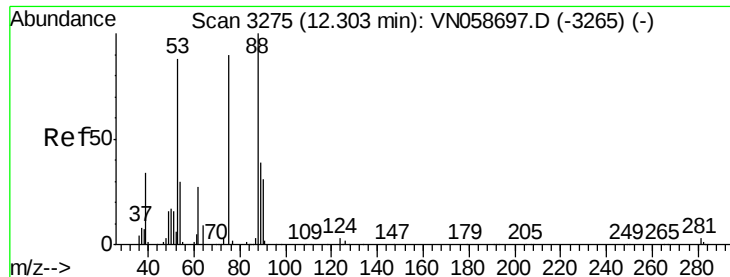
MMDadoda
 10/18/2019 12:51:24 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.980 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion: 105 Resp: 1029678
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 56.130 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

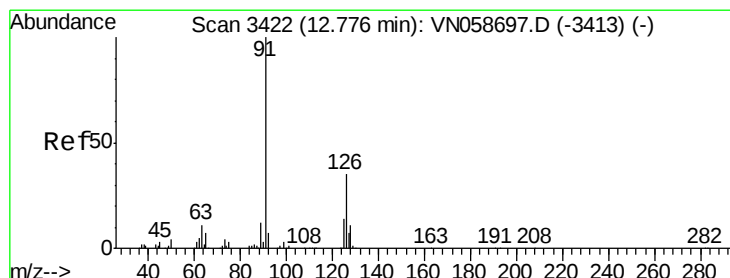
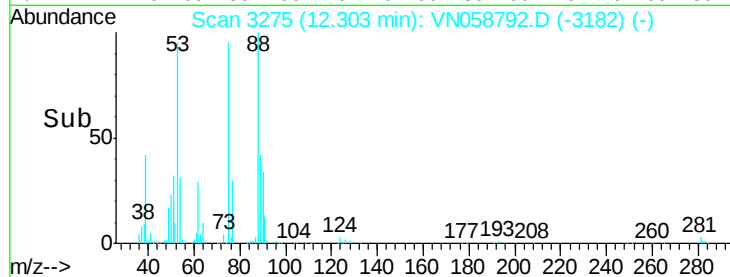
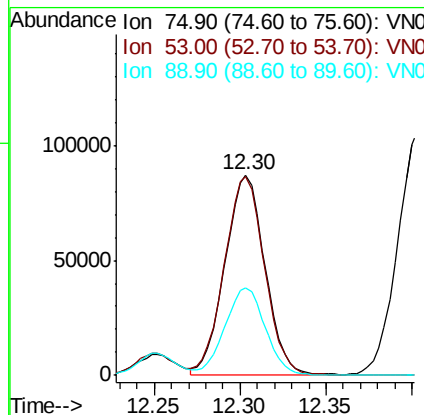
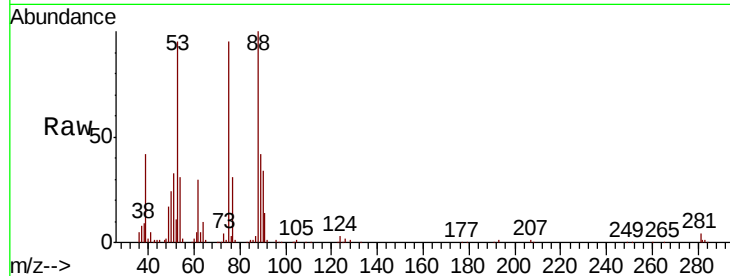
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	141817
Ion Ratio	Lower	Upper	
75	100		
53	98.8	78.4	117.6
89	44.4	34.9	52.3

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM



#82

4-Chlorotoluene

Concen: 53.170 ug/l

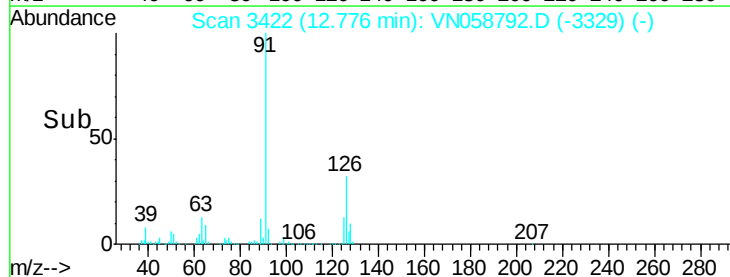
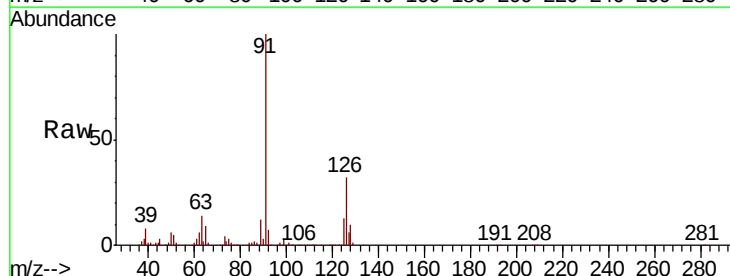
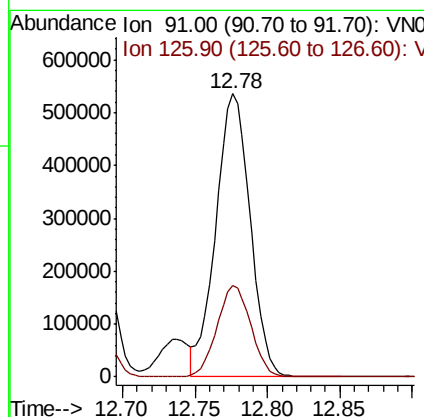
RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Tgt Ion:	91	Resp:	881666
Ion Ratio	Lower	Upper	
91	100		
126	31.8	15.9	47.6





#83

tert-Butylbenzene

Concen: 53.425 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

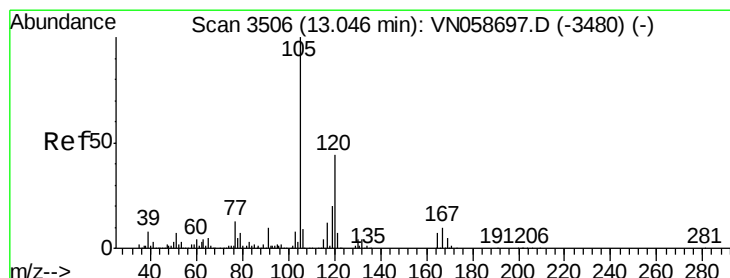
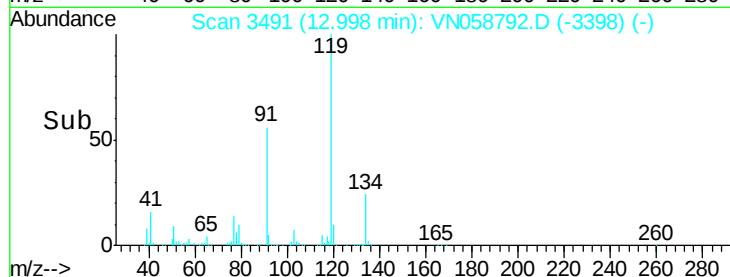
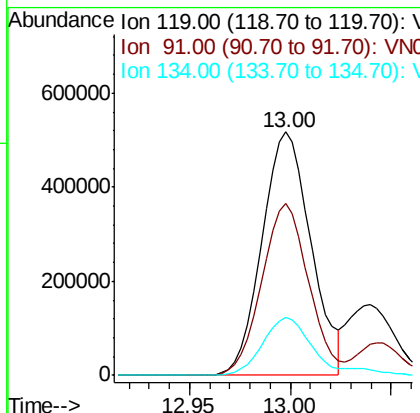
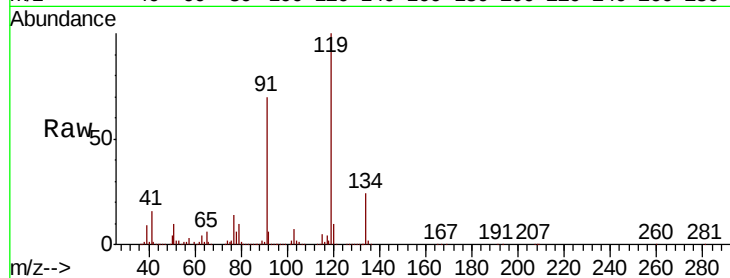
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	873027
Ion Ratio	Lower	Upper	
119	100		
91	67.7	33.8	101.3
134	23.3	12.6	37.6

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM



#84

1,2,4-Trimethylbenzene

Concen: 54.686 ug/l

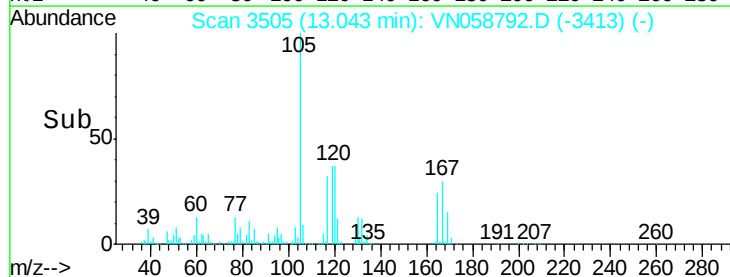
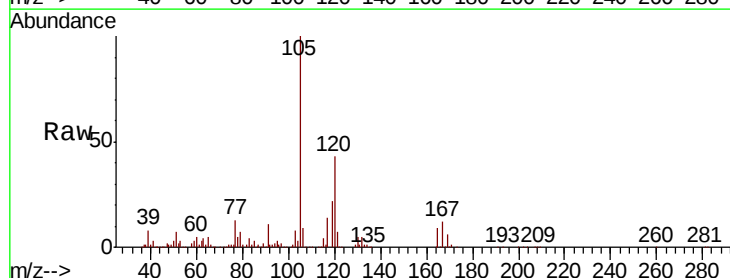
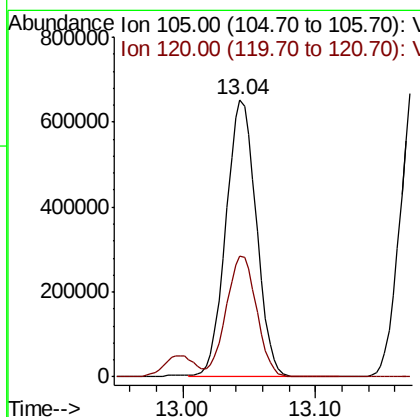
RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Tgt Ion:	105	Resp:	1035558
Ion Ratio	Lower	Upper	
105	100		
120	44.1	21.9	65.7





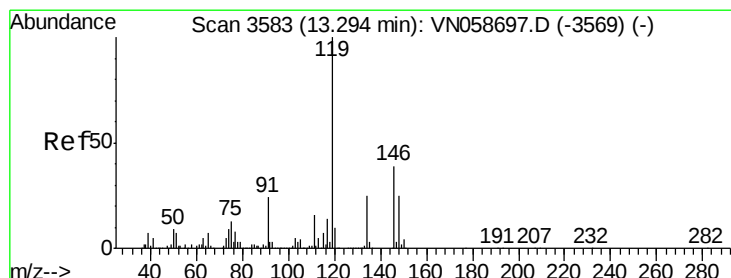
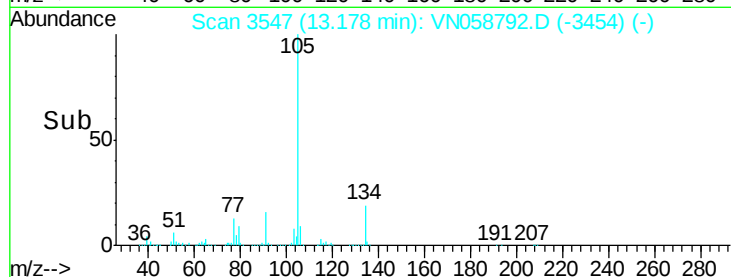
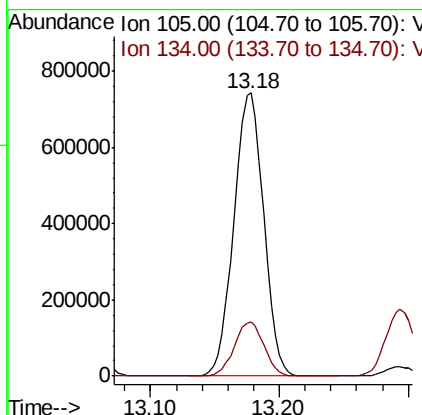
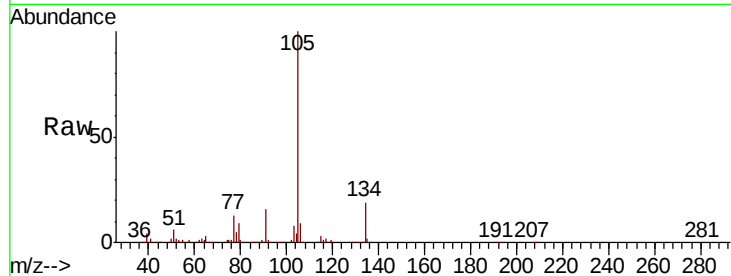
#85
 sec-Butylbenzene
 Concen: 55.322 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.7	29.1

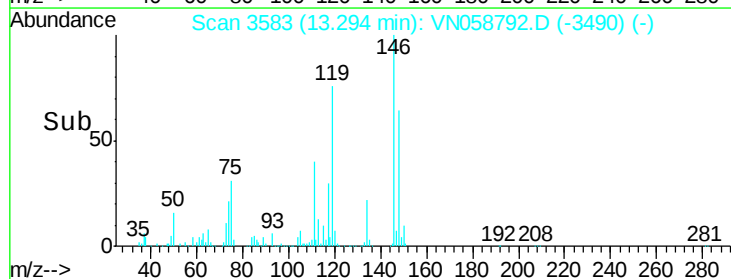
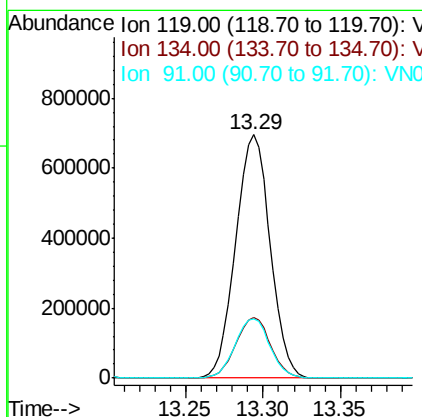
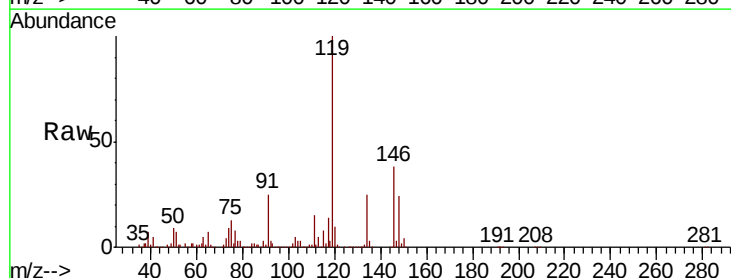
Manual Integrations
 APPROVED

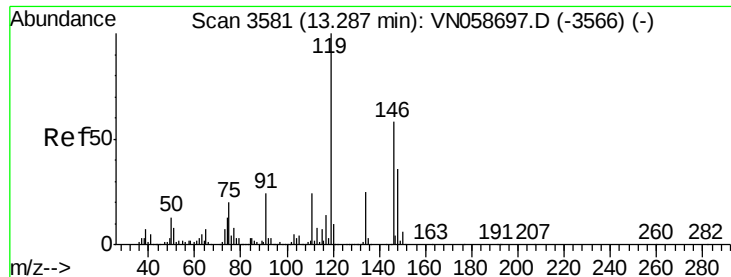
MMDadoda
 10/18/2019 12:51:24 AM



#86
 p-Isopropyltoluene
 Concen: 54.927 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058792.D
 Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.7	38.1
91	24.5	11.9	35.5





#87

1,3-Dichlorobenzene

Concen: 51.753 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058792.D

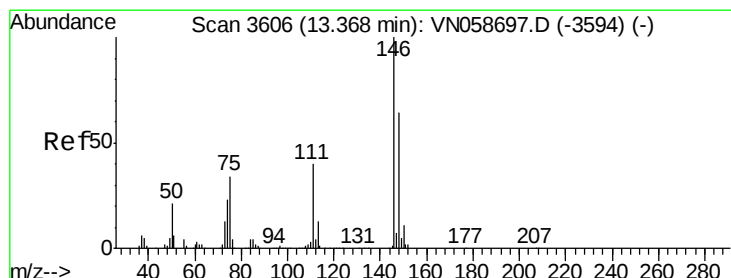
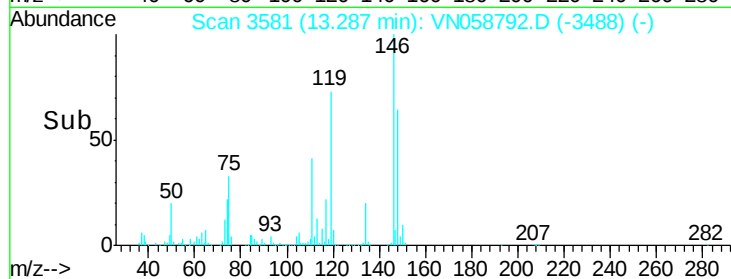
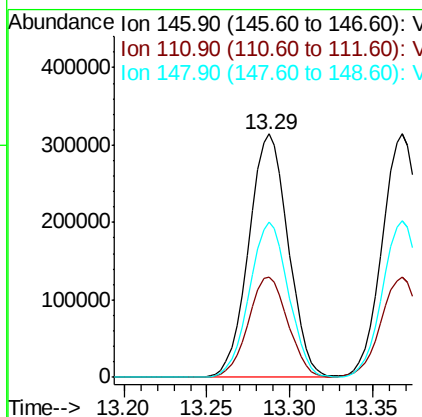
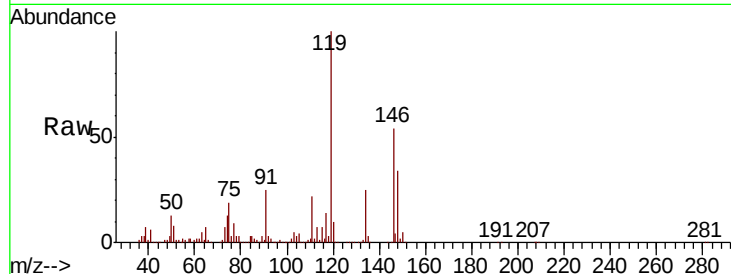
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.6
148	63.3	31.3	93.9

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM



#88

1,4-Dichlorobenzene

Concen: 50.310 ug/l

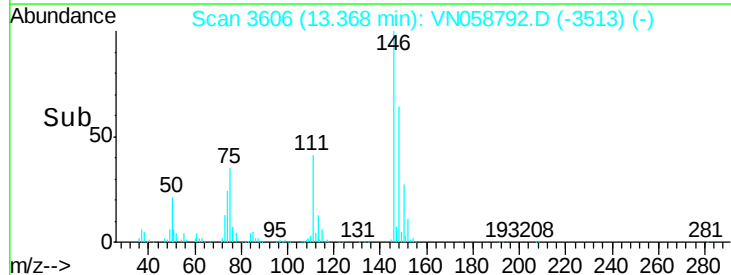
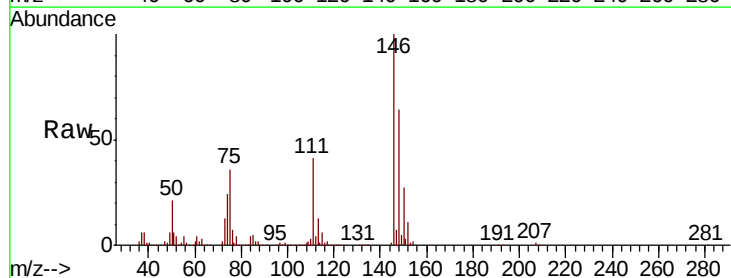
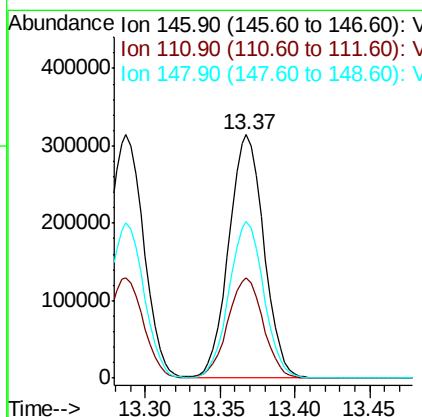
RT: 13.37 min Scan# 3606

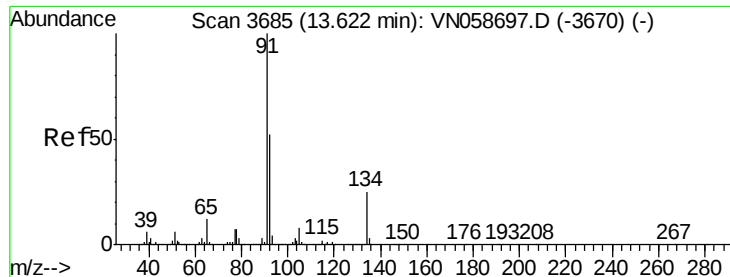
Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.1	60.2
148	63.9	31.9	95.7





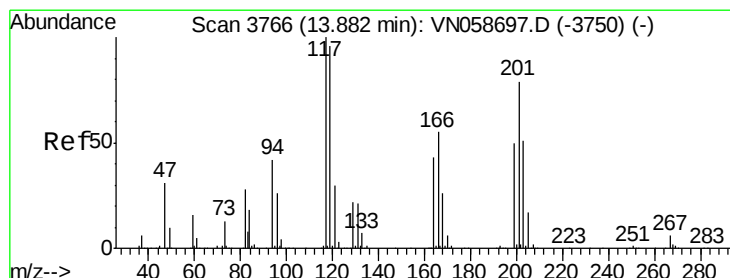
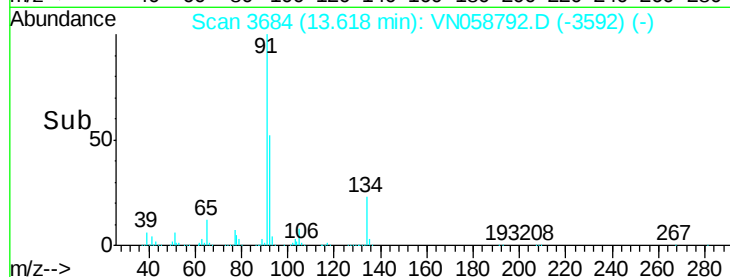
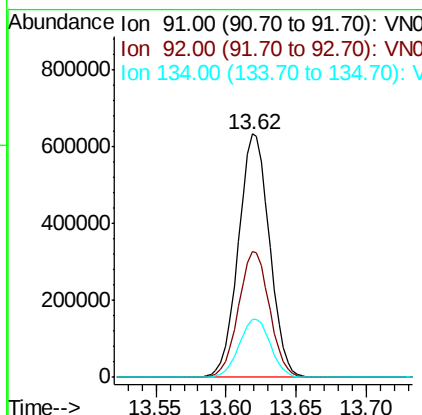
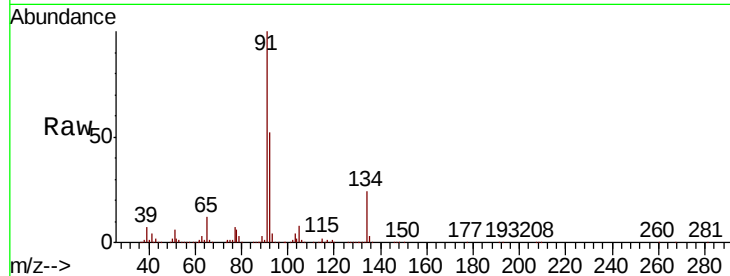
#89
n-Butylbenzene
Concen: 54.195 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	24.0	12.2	36.6

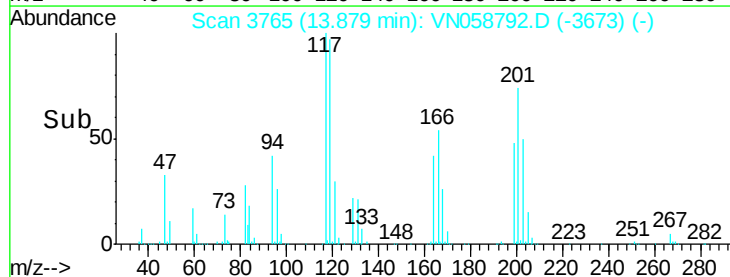
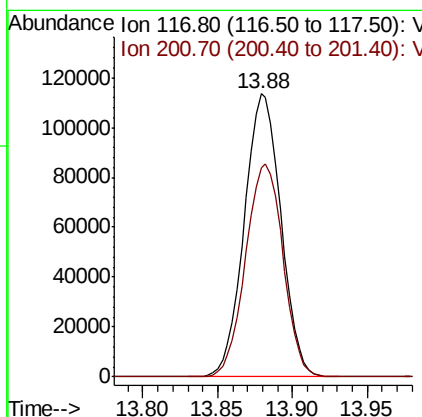
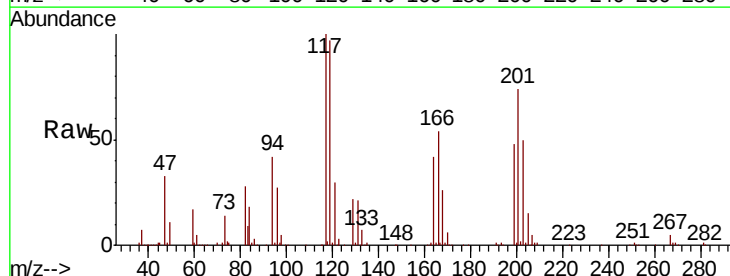
Manual Integrations
APPROVED

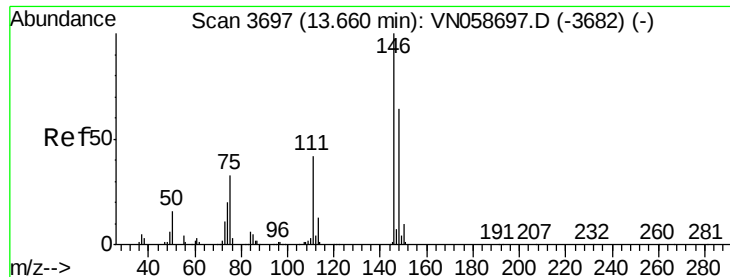
MMDadoda
10/18/2019 12:51:24 AM



#90
Hexachloroethane
Concen: 55.381 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058792.D
Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.7	39.6	118.7





#91

1,2-Dichlorobenzene

Concen: 52.109 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

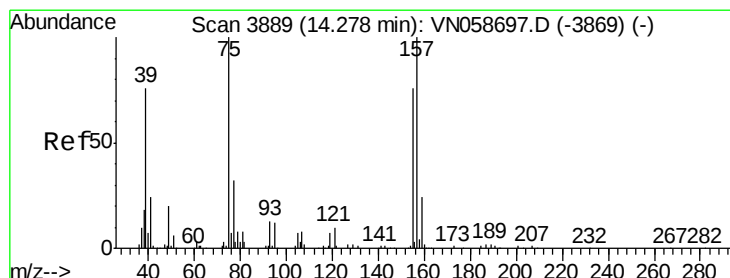
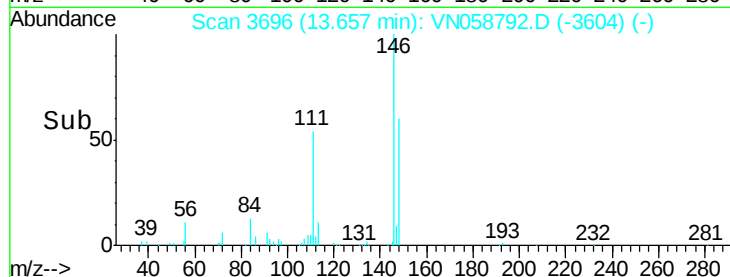
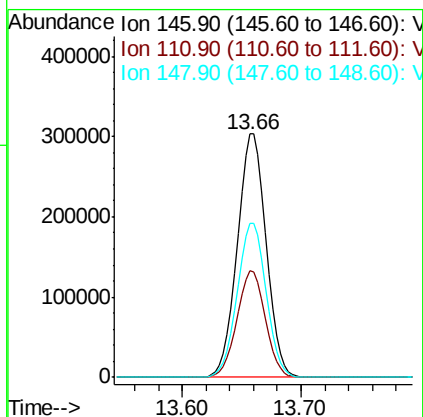
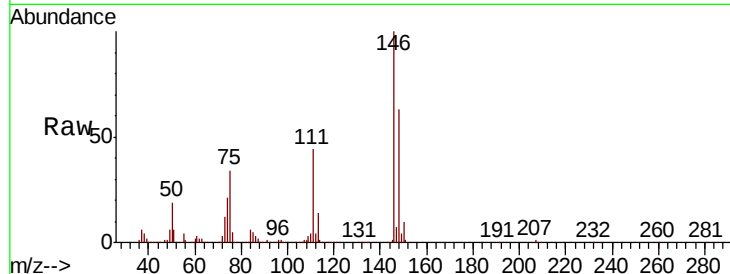
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	509013
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.1	63.4
148	63.7	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.068 ug/l

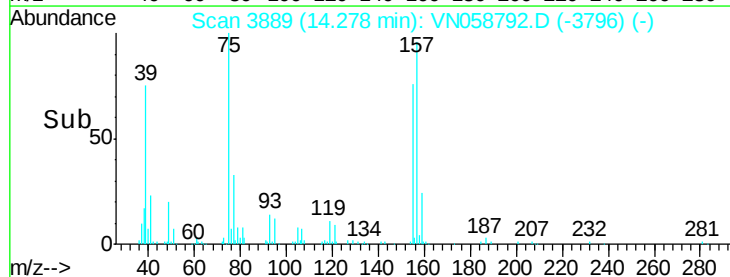
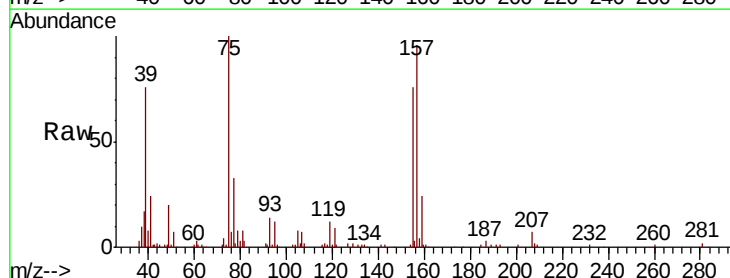
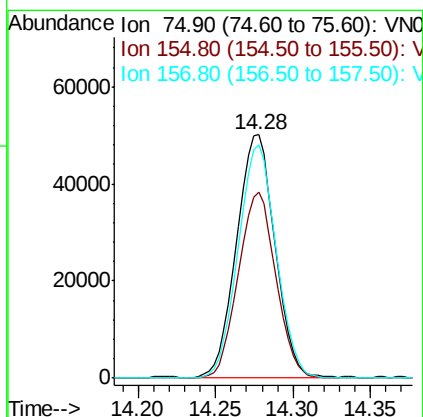
RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Tgt Ion:	75	Resp:	86094
Ion Ratio	Lower	Upper	
75	100		
155	74.9	37.9	113.6
157	95.2	49.4	148.2





#93

1,2,4-Trichlorobenzene

Concen: 51.373 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

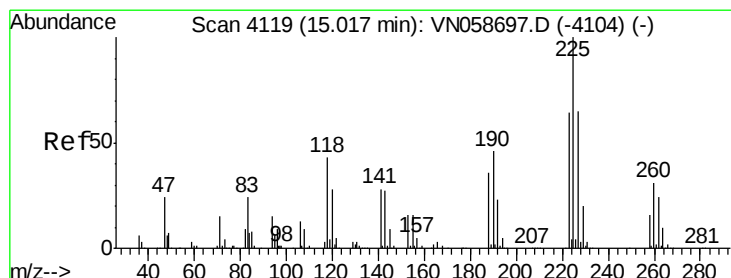
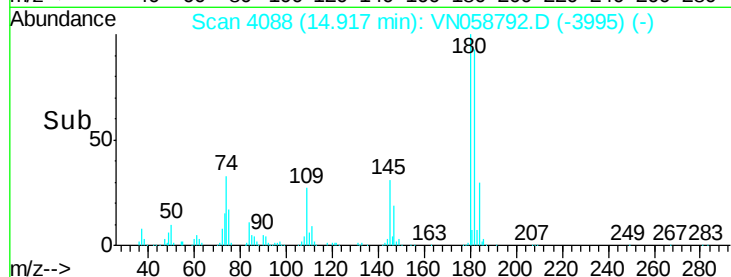
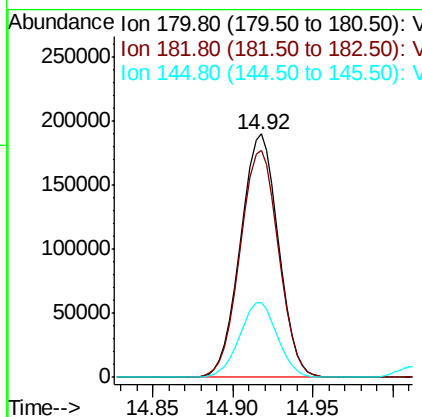
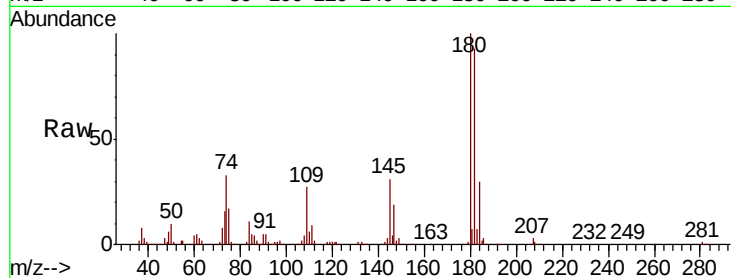
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	306116
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.4	142.2
145	30.5	15.4	46.2

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM



#94

Hexachlorobutadiene

Concen: 49.934 ug/l

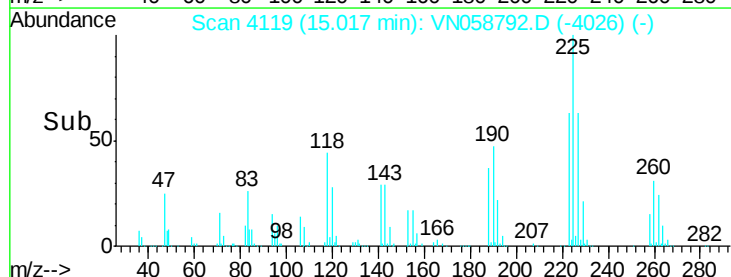
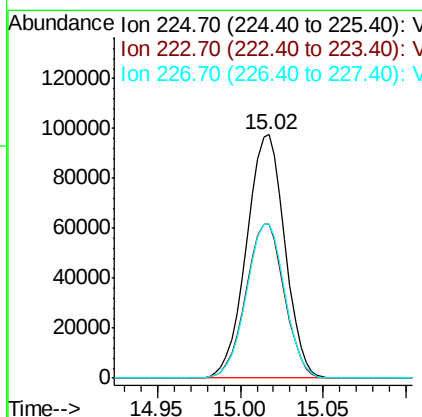
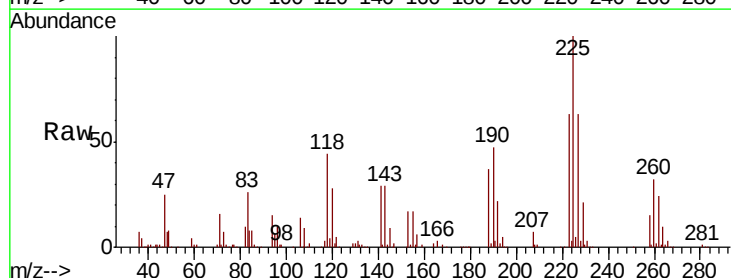
RT: 15.02 min Scan# 4119

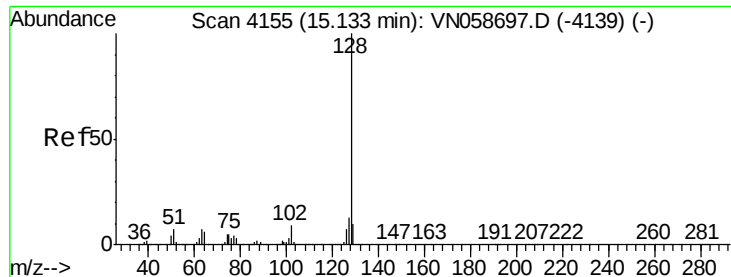
Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Tgt Ion:	225	Resp:	156690
Ion Ratio	Lower	Upper	
225	100		
223	63.3	32.3	96.8
227	63.4	32.4	97.0





#95

Naphthalene

Concen: 52.444 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Instrument :

MSVOA_N

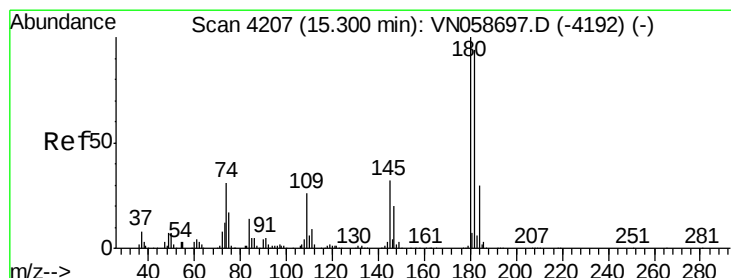
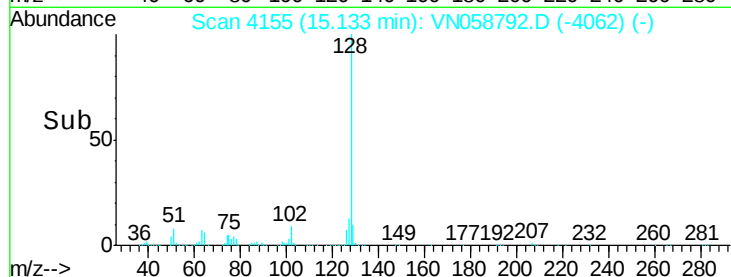
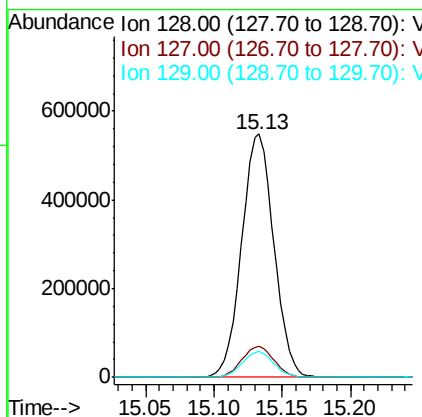
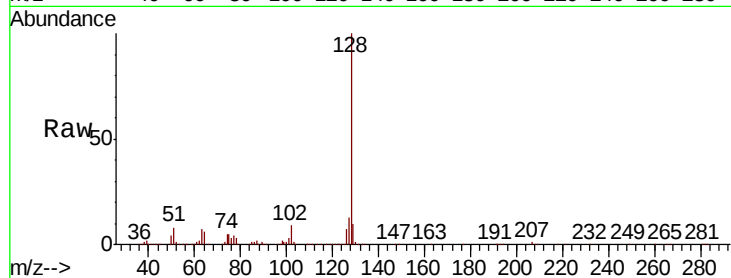
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	898123		
127	12.7	10.2	15.4	
129	10.4	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:24 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.280 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058792.D

Acq: 16 Oct 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	292512		
182	96.8	47.3	142.0	
145	32.7	16.2	48.6	

