

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
 Data File : VN057771.D
 Acq On : 7 Sep 2019 21:43
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 3:03:25 PM

Quant Time: Sep 08 07:23:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	197112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	316929	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	302383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	174074	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	224005	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
35) Dibromofluoromethane	7.57	113	145757	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.09	98	535259	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.40	95	212967	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	145059	46.341	ug/l	97
3) Chloromethane	2.03	50	141900	38.250	ug/l	100
4) Vinyl Chloride	2.16	62	122354	45.135	ug/l	100
5) Bromomethane	2.53	94	63997	51.403	ug/l	99
6) Chloroethane	2.68	64	71370	44.596	ug/l	93
7) Trichlorofluoromethane	2.99	101	179771	41.322	ug/l	98
8) Diethyl Ether	3.39	74	82079	47.217	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	125055	46.059	ug/l	94
10) Methyl Iodide	3.93	142	157121	58.407	ug/l	99
11) Tert butyl alcohol	4.77	59	123462	226.613	ug/l	100
12) 1,1-Dichloroethene	3.72	96	113054	46.279	ug/l	94
13) Acrolein	3.59	56	54299	209.567	ug/l	97
14) Allyl chloride	4.30	41	245896	44.049	ug/l	98
15) Acrylonitrile	4.96	53	350216	250.029	ug/l	99
16) Acetone	3.80	43	339177	229.850	ug/l	99
17) Carbon Disulfide	4.03	76	238024	43.006	ug/l	99
18) Methyl Acetate	4.30	43	193169	48.138	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	470831	45.909	ug/l	98
20) Methylene Chloride	4.53	84	143134	44.860	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	120488	46.873	ug/l	97
22) Diisopropyl ether	5.93	45	559079	47.343	ug/l	98
23) Vinyl Acetate	5.87	43	2295086	240.115	ug/l	99
24) 1,1-Dichloroethane	5.83	63	281587	46.505	ug/l	99
25) 2-Butanone	6.81	43	523722	247.830	ug/l	99
26) 2,2-Dichloropropane	6.80	77	172287	34.107	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	157926	48.946	ug/l	91
28) Bromochloromethane	7.18	49	146251	46.163	ug/l	92
29) Tetrahydrofuran	7.19	42	336472	246.894	ug/l	99
30) Chloroform	7.36	83	300673	47.654	ug/l	99
31) Cyclohexane	7.64	56	229733	42.685	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	255924	48.697	ug/l	98
36) 1,1-Dichloropropene	7.78	75	198951	47.187	ug/l	97
37) Ethyl Acetate	6.91	43	221128	52.828	ug/l	100
38) Carbon Tetrachloride	7.76	117	202051	50.048	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
 Data File : VN057771.D
 Acq On : 7 Sep 2019 21:43
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 3:03:25 PM

Quant Time: Sep 08 07:23:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	209756	47.034	ug/l	99
40) Benzene	8.03	78	598380	50.176	ug/l	98
41) Methacrylonitrile	7.15	41	117542	57.447	ug/l #	87
42) 1,2-Dichloroethane	8.11	62	270866	48.456	ug/l	99
43) Isopropyl Acetate	8.15	43	401737	50.002	ug/l	99
44) Trichloroethene	8.83	130	140945	52.586	ug/l	99
45) 1,2-Dichloropropane	9.11	63	164749	49.395	ug/l	98
46) Dibromomethane	9.20	93	110821	51.798	ug/l	94
47) Bromodichloromethane	9.40	83	228333	50.218	ug/l	99
48) Methyl methacrylate	9.19	41	198103	47.943	ug/l	97
49) 1,4-Dioxane	9.19	88	51671	1074.752	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1181431	264.779	ug/l	100
52) Toluene	10.15	92	370823	51.303	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	219080	48.027	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	239306	48.556	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	150019	51.574	ug/l	97
56) Ethyl methacrylate	10.43	69	237575	51.170	ug/l	98
57) 1,3-Dichloropropane	10.71	76	259051	49.578	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	597600	253.706	ug/l	98
59) 2-Hexanone	10.75	43	854170	271.477	ug/l	100
60) Dibromochloromethane	10.90	129	155893	49.713	ug/l	99
61) 1,2-Dibromoethane	11.00	107	149979	53.708	ug/l	98
64) Tetrachloroethene	10.63	164	125515	53.241	ug/l	97
65) Chlorobenzene	11.43	112	393143	49.841	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	147100	53.595	ug/l	99
67) Ethyl Benzene	11.51	91	753627	49.519	ug/l	99
68) m/p-Xylenes	11.62	106	526692	100.478	ug/l	98
69) o-Xylene	11.95	106	262725	50.617	ug/l	99
70) Styrene	11.96	104	462614	51.510	ug/l	97
71) Bromoform	12.13	173	102379	49.924	ug/l #	99
73) Isopropylbenzene	12.25	105	746832	48.528	ug/l	99
74) N-amyl acetate	12.07	43	356109	46.321	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	222930	48.308	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	204197m	51.083	ug/l	
77) Bromobenzene	12.53	156	176172	52.692	ug/l	88
78) n-propylbenzene	12.59	91	872659	47.727	ug/l	98
79) 2-Chlorotoluene	12.68	91	521485	46.850	ug/l	95
80) 1,3,5-Trimethylbenzene	12.74	105	638057	48.806	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	53087	41.302	ug/l	97
82) 4-Chlorotoluene	12.78	91	542695	47.340	ug/l	96
83) tert-Butylbenzene	13.00	119	540955	49.084	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	635191	49.050	ug/l	99
85) sec-Butylbenzene	13.18	105	726520	47.849	ug/l	98
86) p-Isopropyltoluene	13.29	119	646638	50.252	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	315364	50.455	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	317236	50.737	ug/l	97
89) n-Butylbenzene	13.62	91	593523	46.639	ug/l	98
90) Hexachloroethane	13.88	117	99511	49.355	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	316854	51.490	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44704	49.172	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
Data File : VN057771.D
Acq On : 7 Sep 2019 21:43
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
9/10/2019 3:03:25 PM

Quant Time: Sep 08 07:23:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	205035	55.694	ug/l	97
94) Hexachlorobutadiene	15.01	225	99955	55.704	ug/l	99
95) Naphthalene	15.13	128	560813	52.509	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	196868	55.789	ug/l	98

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

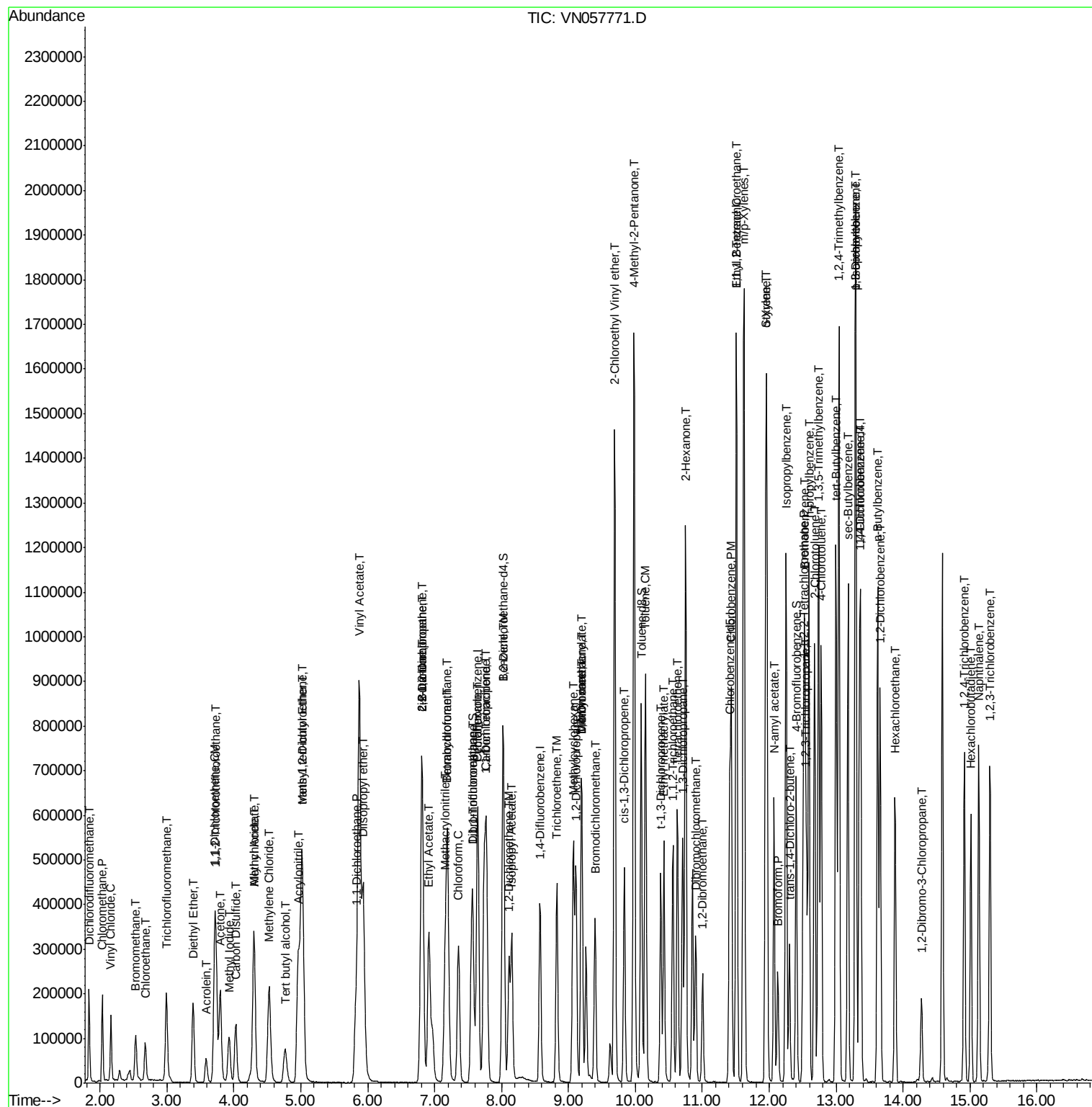
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
Data File : VN057771.D
Acq On : 7 Sep 2019 21:43
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 32 Sample Multiplier: 1

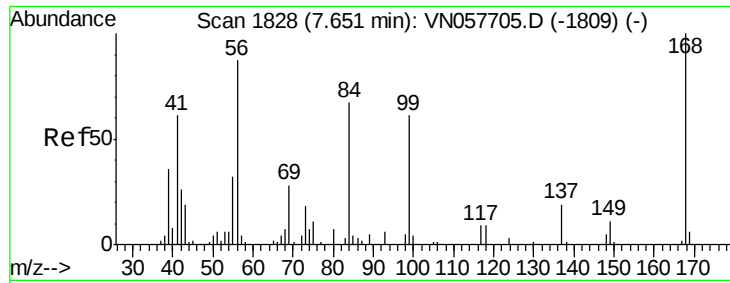
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
9/10/2019 3:03:25 PM

Quant Time: Sep 08 07:23:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 197112

Ion Ratio Lower Upper

168 100

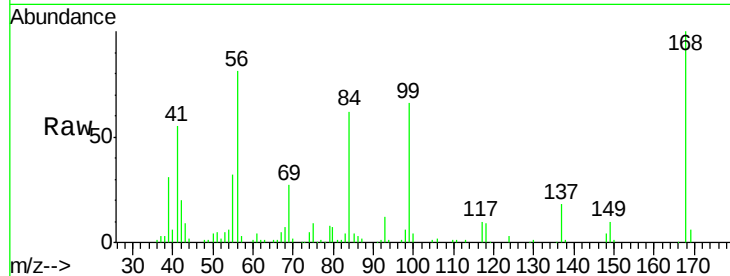
99 65.3 57.4 86.0

Manual Integrations

APPROVED

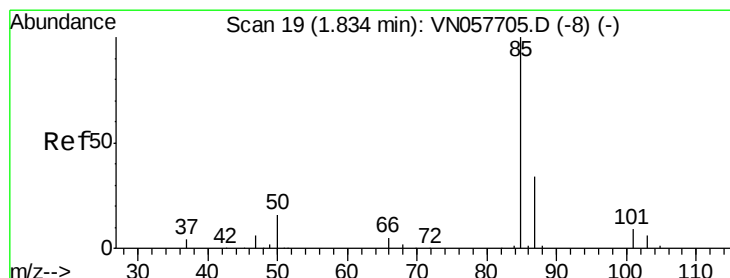
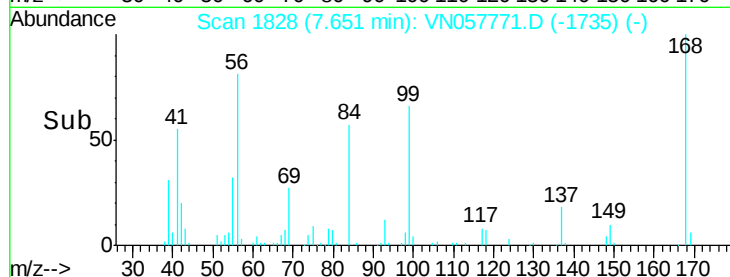
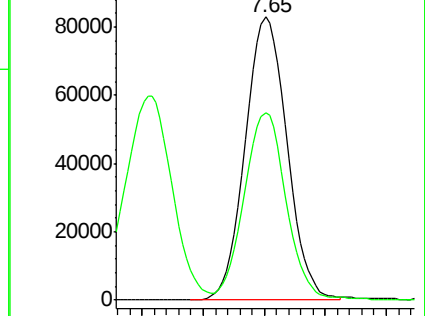
MMDadoda

9/10/2019 3:03:25 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.341 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057771.D

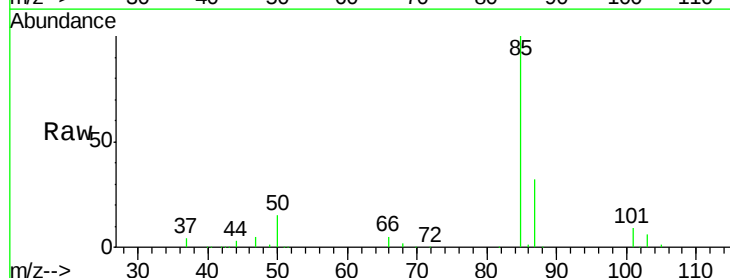
Acq: 7 Sep 2019 21:43

Tgt Ion: 85 Resp: 145059

Ion Ratio Lower Upper

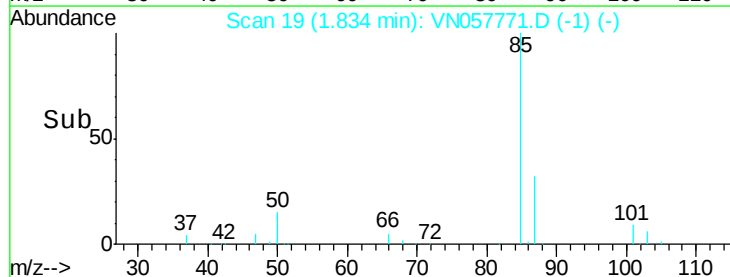
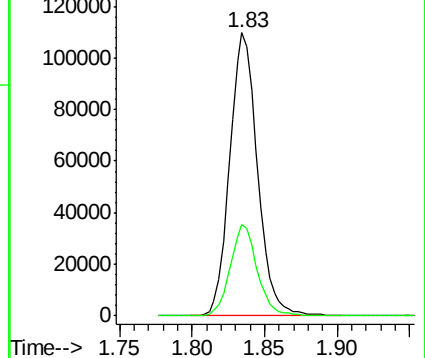
85 100

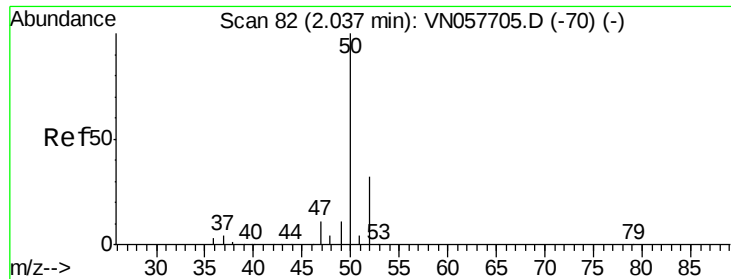
87 32.3 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 38.250 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 141900

Ion Ratio Lower Upper

50 100

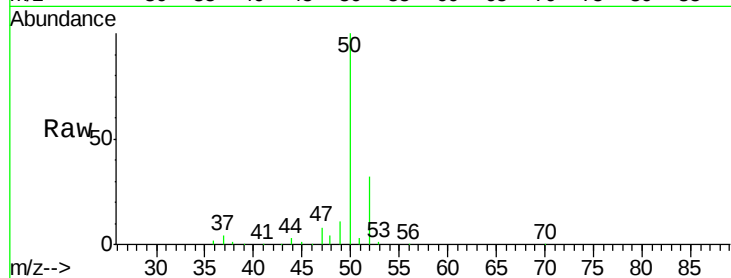
52 32.4 26.0 39.0

Manual Integrations

APPROVED

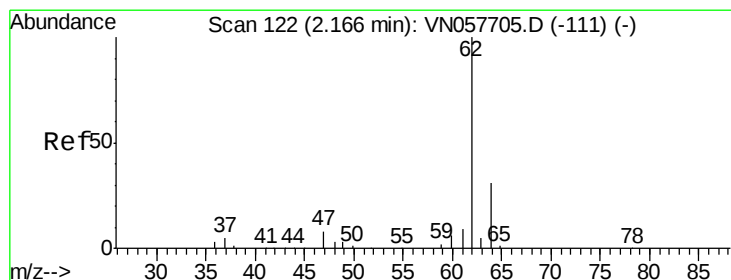
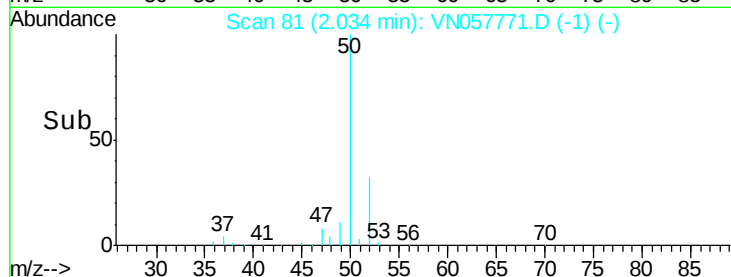
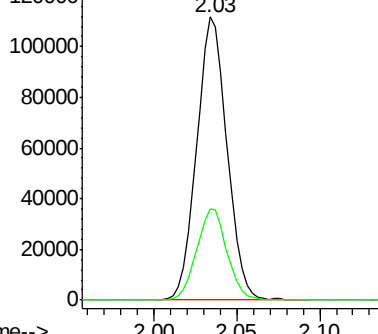
MMDadoda

9/10/2019 3:03:25 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.135 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057771.D

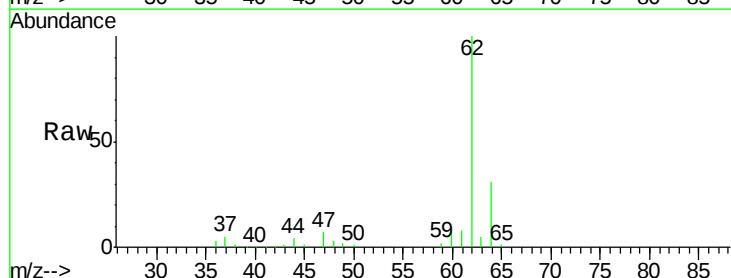
Acq: 7 Sep 2019 21:43

Tgt Ion: 62 Resp: 122354

Ion Ratio Lower Upper

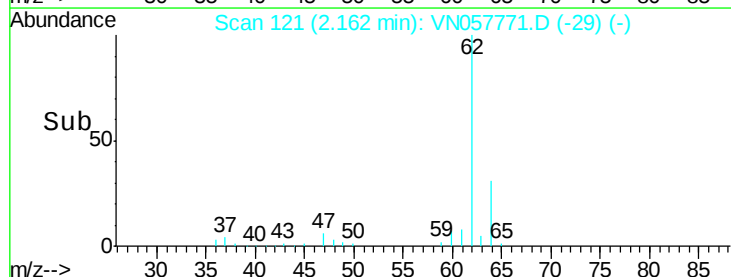
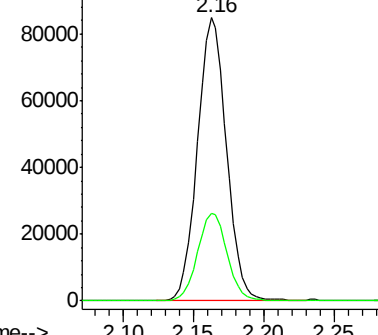
62 100

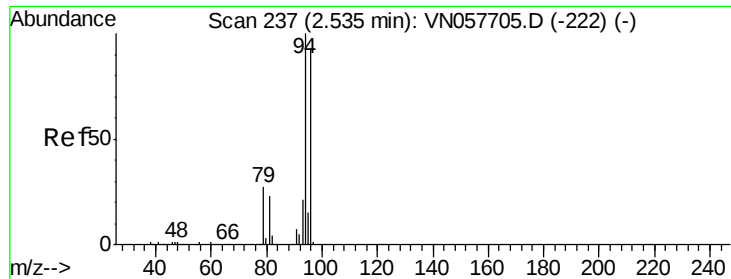
64 31.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 51.403 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 63997

Ion Ratio Lower Upper

94 100

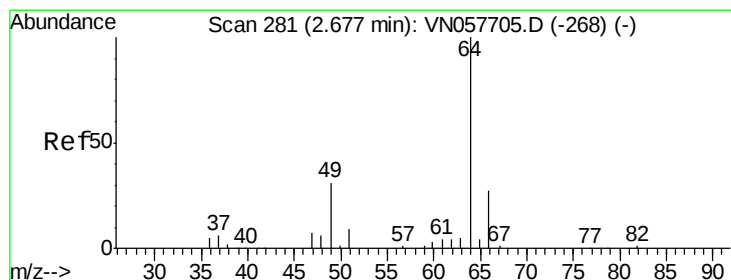
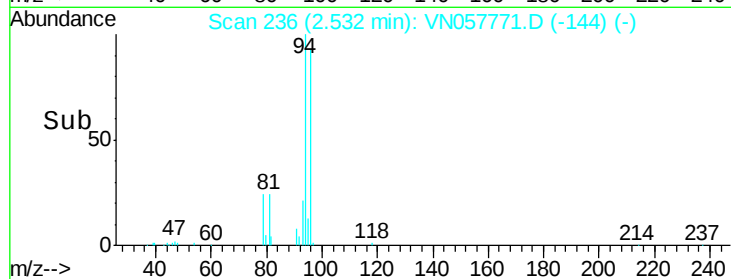
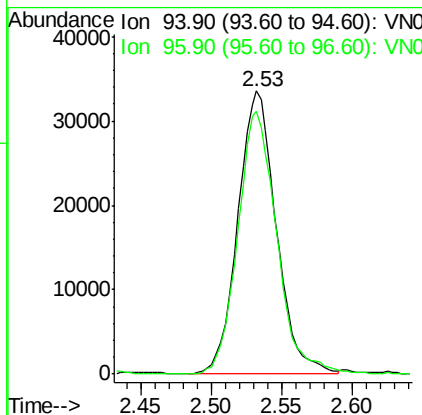
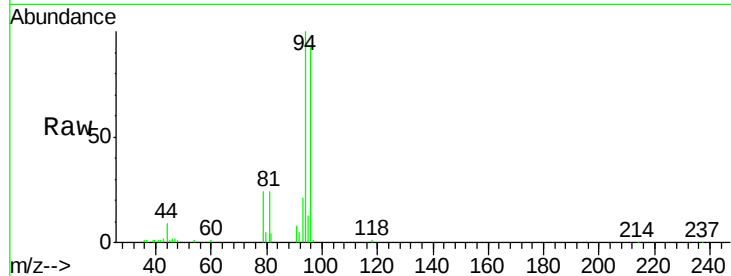
96 92.7 74.8 112.2

Manual Integrations

APPROVED

MMDadoda

9/10/2019 3:03:25 PM



#6

Chloroethane

Concen: 44.596 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057771.D

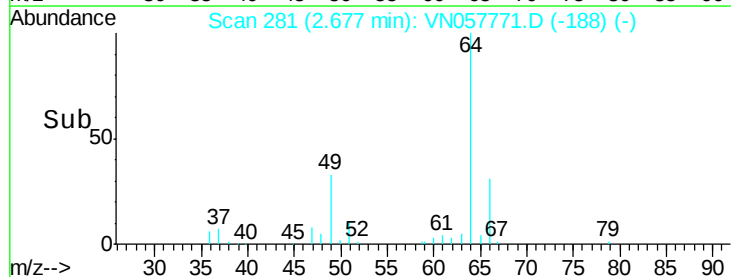
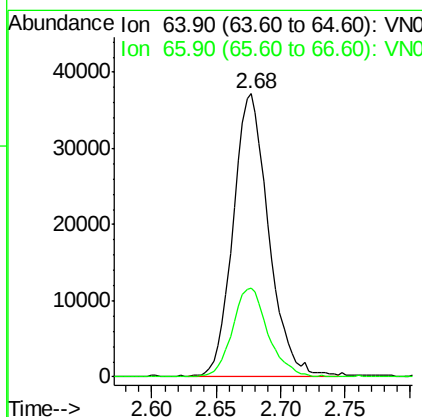
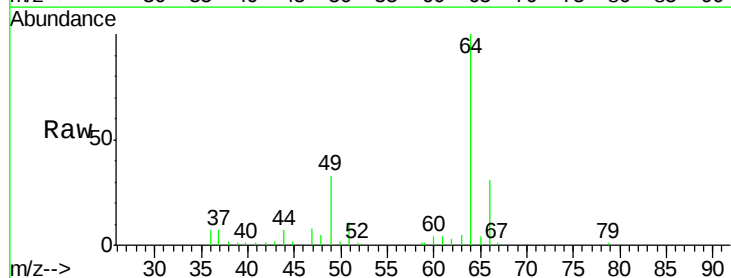
Acq: 7 Sep 2019 21:43

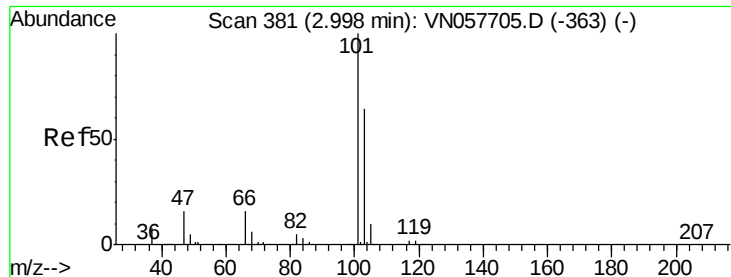
Tgt Ion: 64 Resp: 71370

Ion Ratio Lower Upper

64 100

66 31.3 22.0 33.0





#7

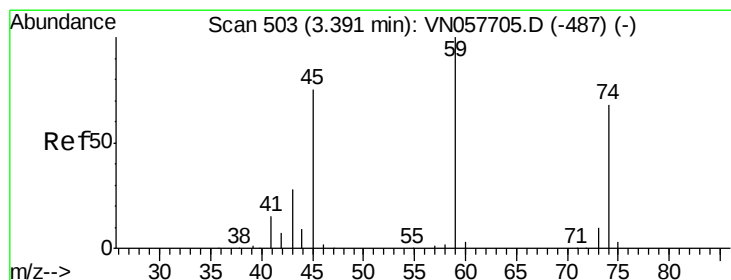
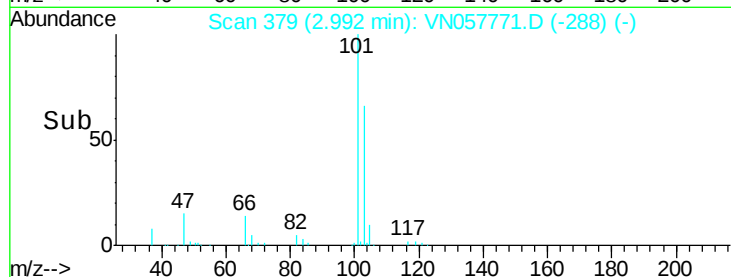
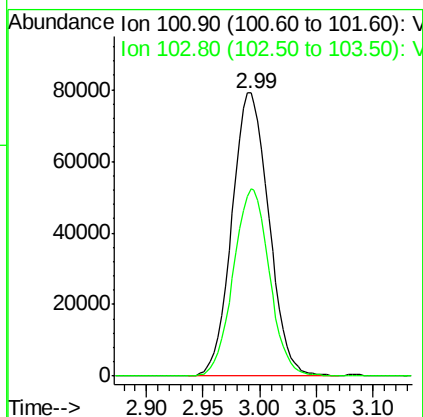
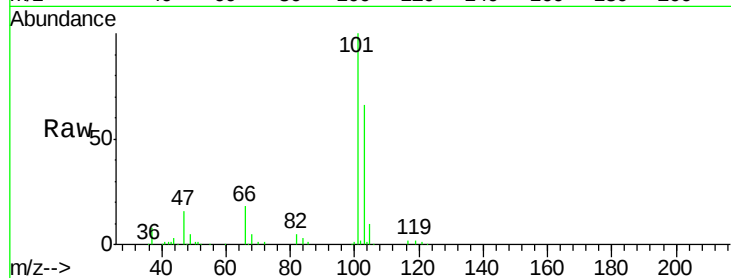
Trichlorofluoromethane
 Concen: 41.322 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.4	77.0

Manual Integrations
 APPROVED

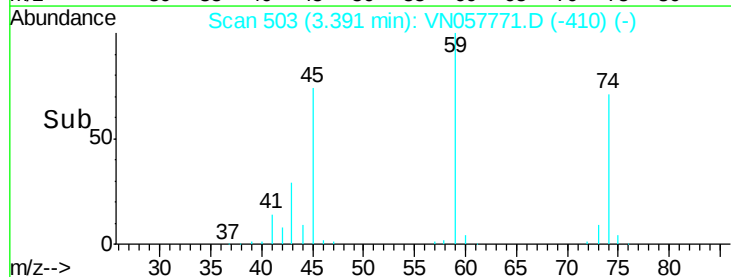
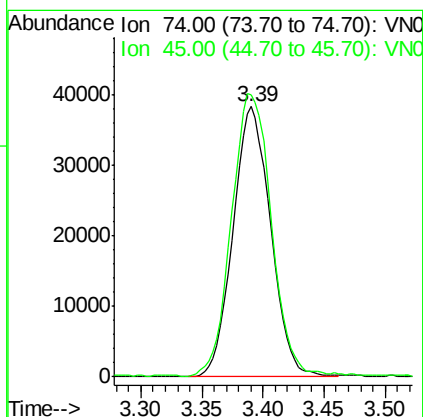
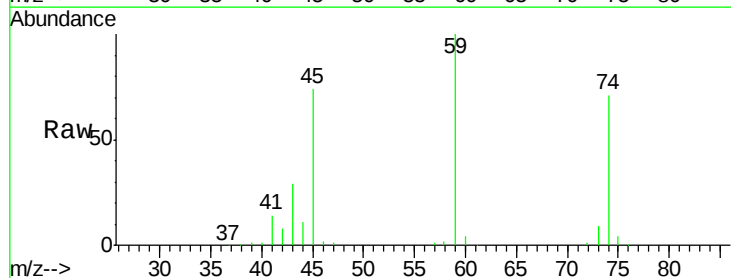
MMDadoda
 9/10/2019 3:03:25 PM

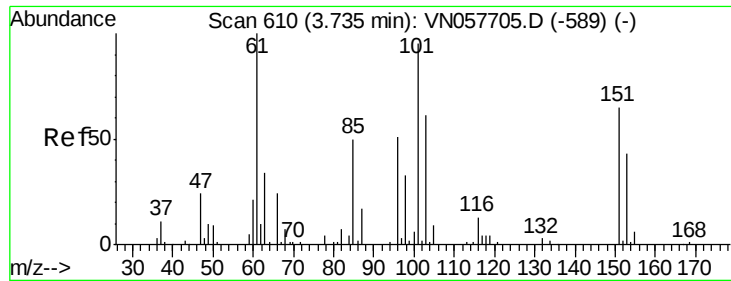


#8

Diethyl Ether
 Concen: 47.217 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.5	55.4	166.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.059 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Instrument :

MSVOA_N

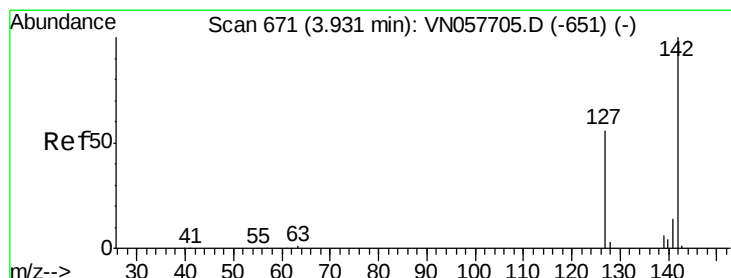
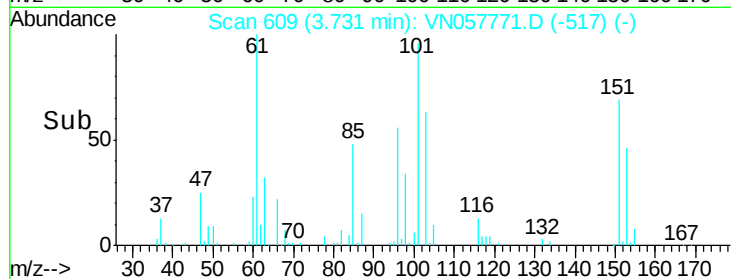
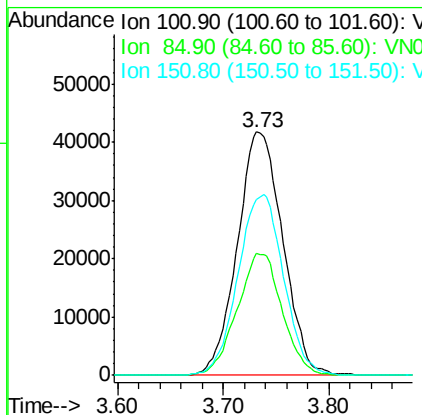
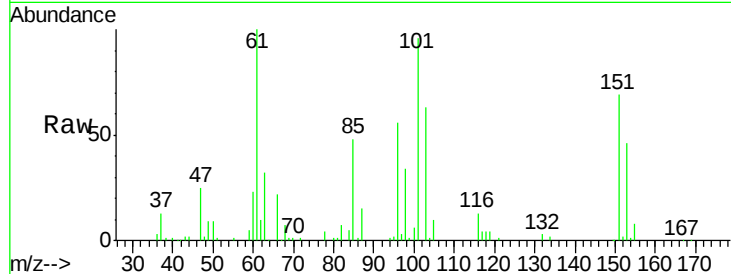
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	125055
Ion Ratio	Lower	Upper	
101	100		
85	49.4	42.8	64.2
151	74.5	55.5	83.3

Manual Integrations
APPROVED

MMDadoda
9/10/2019 3:03:25 PM



#10

Methyl Iodide

Concen: 58.407 ug/l

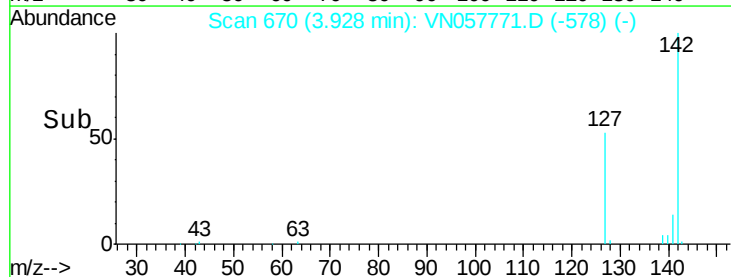
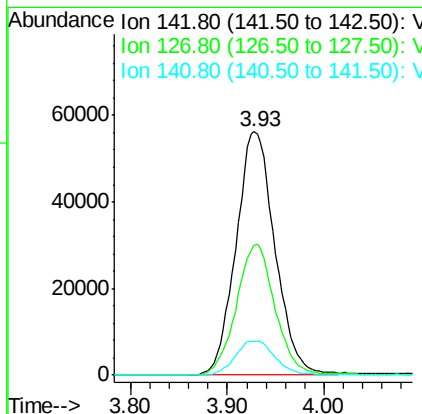
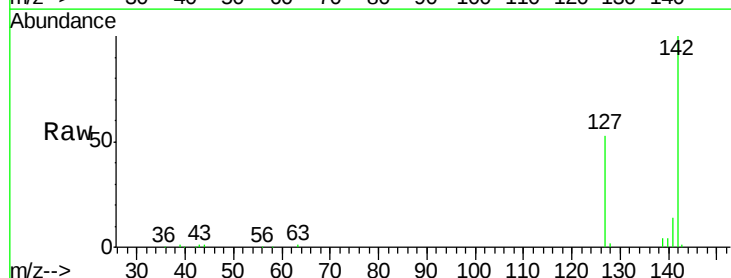
RT: 3.93 min Scan# 670

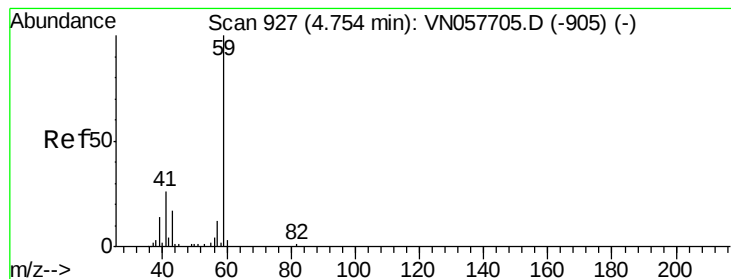
Delta R.T. -0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Tgt Ion:	142	Resp:	157121
Ion Ratio	Lower	Upper	
142	100		
127	53.2	42.1	63.1
141	14.4	11.0	16.4





#11

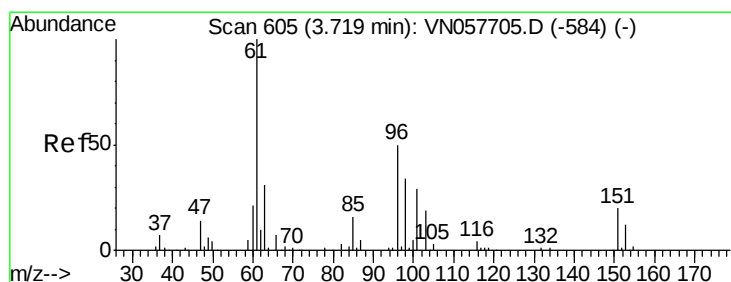
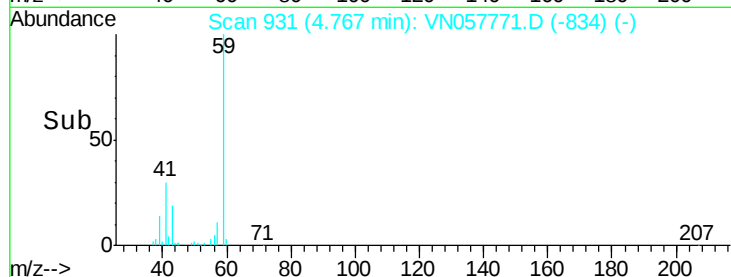
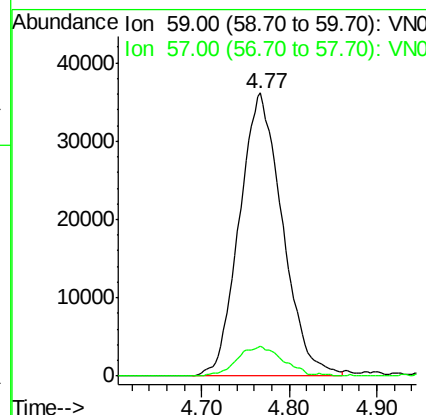
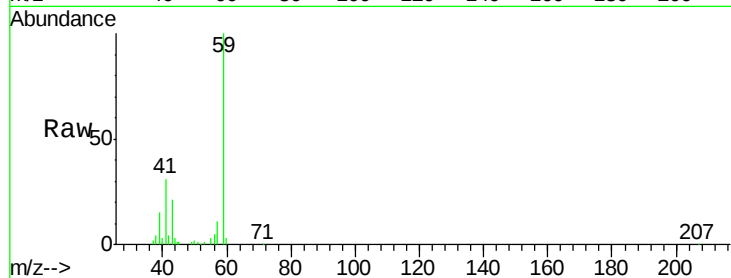
Tert butyl alcohol
 Concen: 226.613 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.9	13.3

Manual Integrations
 APPROVED

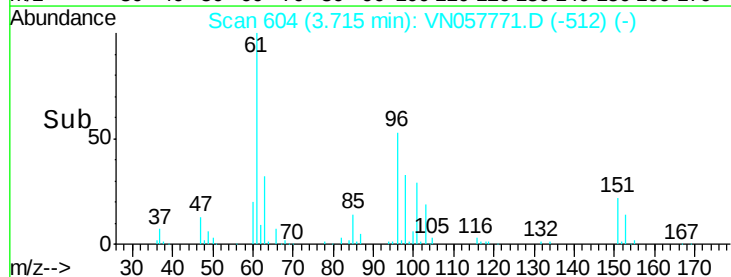
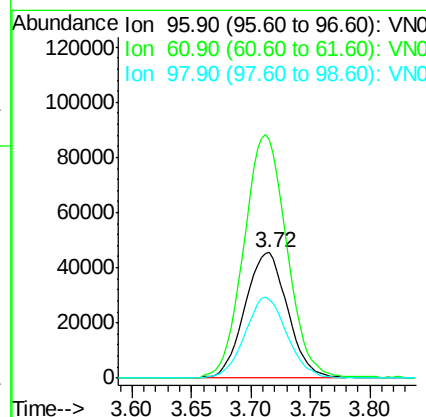
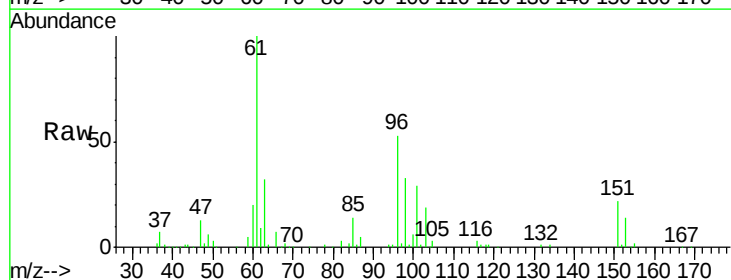
MMDadoda
 9/10/2019 3:03:25 PM

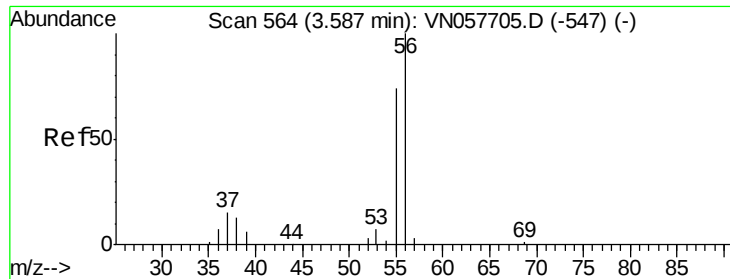


#12

1,1-Dichloroethene
 Concen: 46.279 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.8	158.7	238.1
98	62.8	53.8	80.8





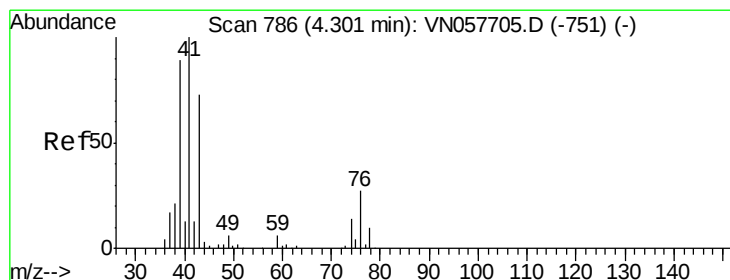
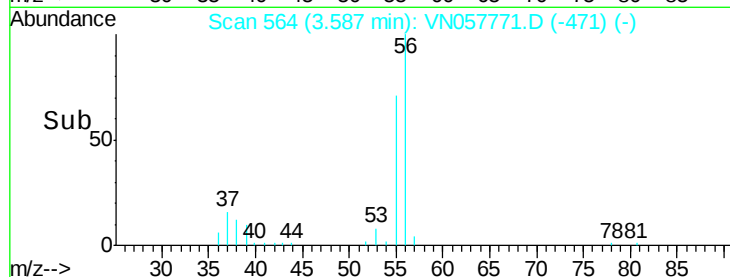
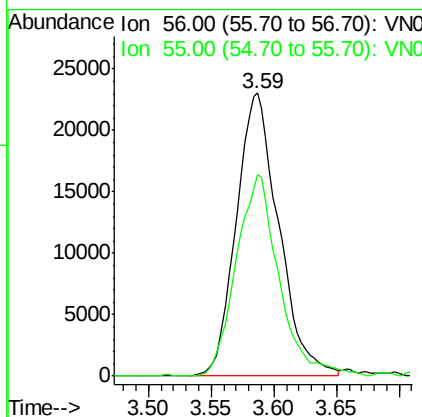
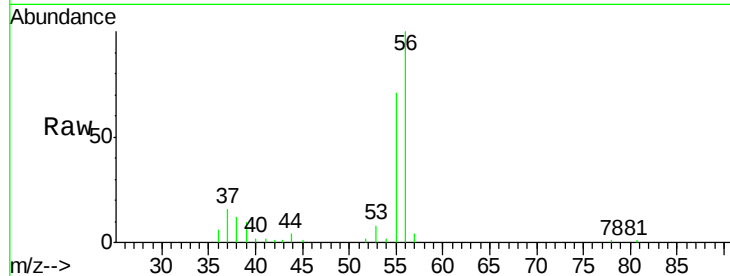
#13
Acrolein
Concen: 209.567 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	54299
Ion Ratio	100	Lower	Upper
56	100		
55	71.8	55.4	83.0

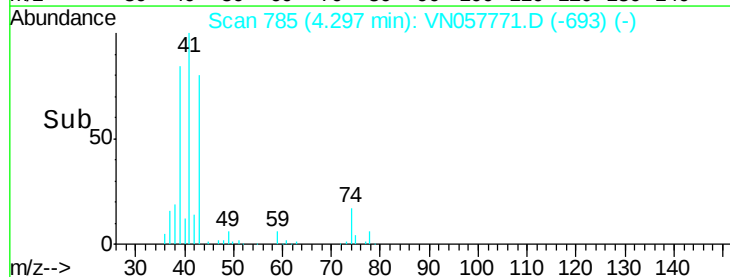
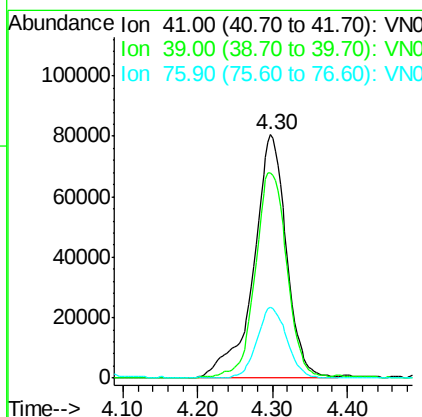
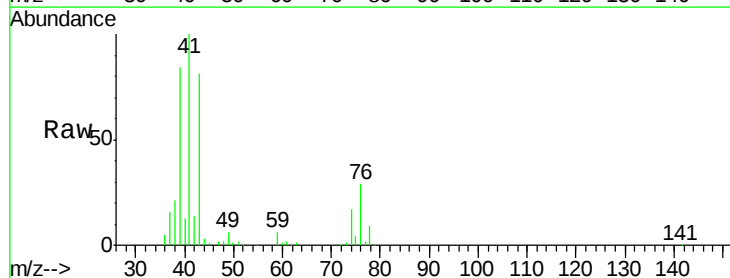
Manual Integrations
APPROVED

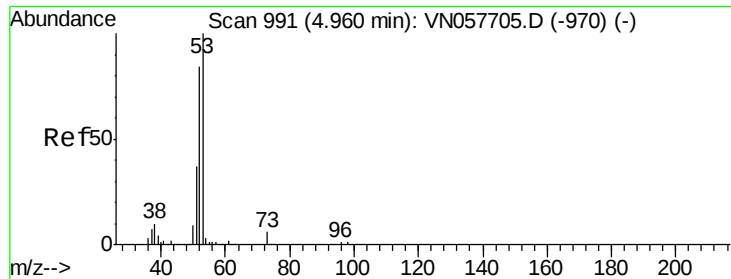
MMDadoda
9/10/2019 3:03:25 PM



#14
Allyl chloride
Concen: 44.049 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion	41	Resp	245896
Ion Ratio	100	Lower	Upper
41	100		
39	81.6	67.5	101.3
76	26.4	21.4	32.2





#15

Acrylonitrile

Concen: 250.029 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Instrument :

MSVOA_N

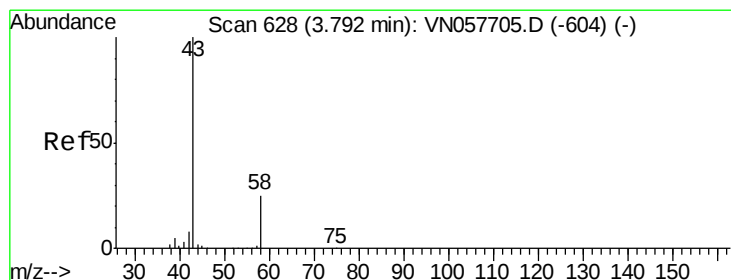
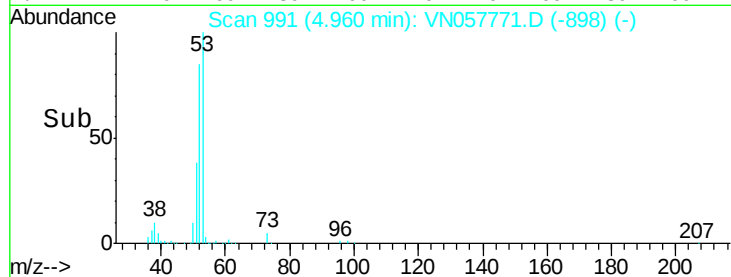
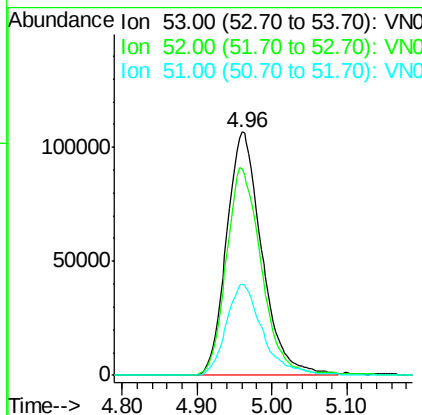
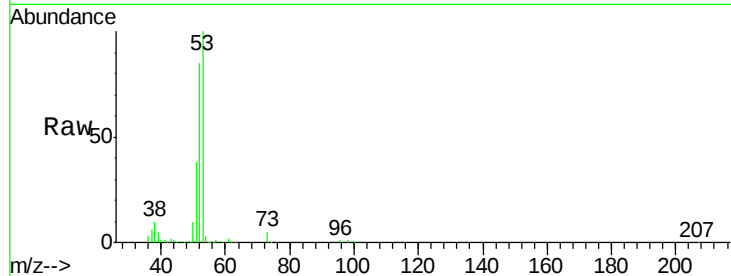
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	350216
Ion Ratio		Lower	Upper
53	100		
52	83.7	68.1	102.1
51	38.3	30.4	45.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 3:03:25 PM



#16

Acetone

Concen: 229.850 ug/l

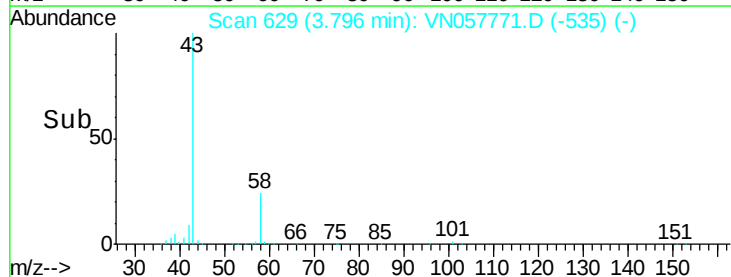
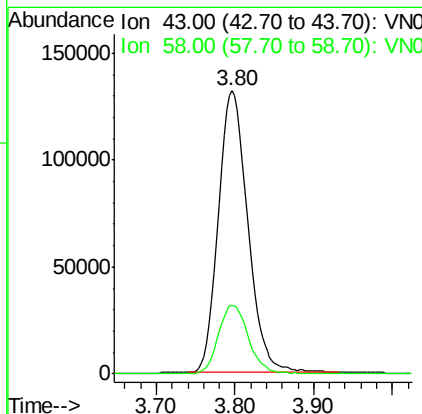
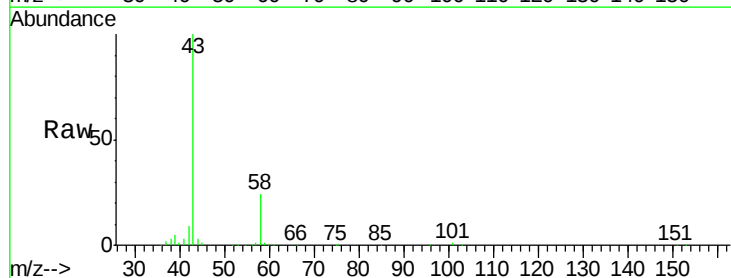
RT: 3.80 min Scan# 629

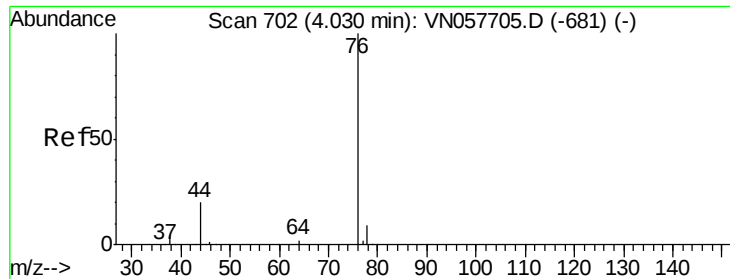
Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Tgt Ion:	43	Resp:	339177
Ion Ratio		Lower	Upper
43	100		
58	24.4	19.8	29.8





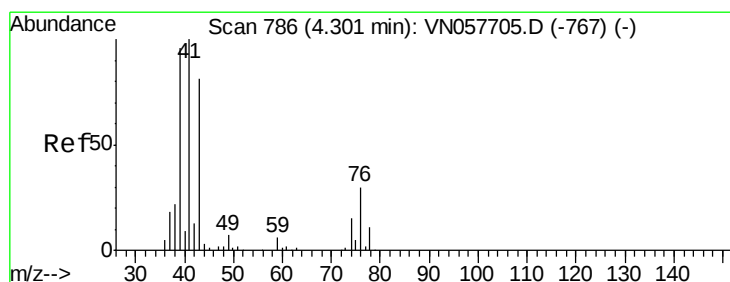
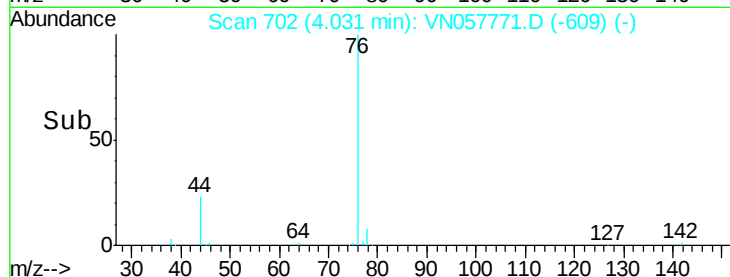
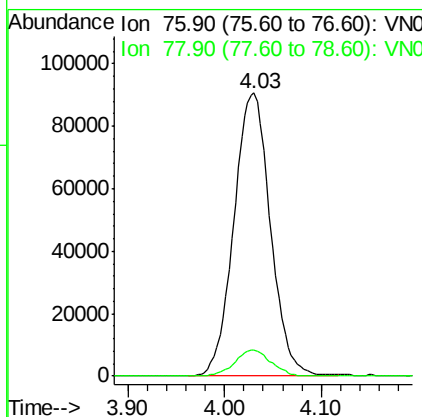
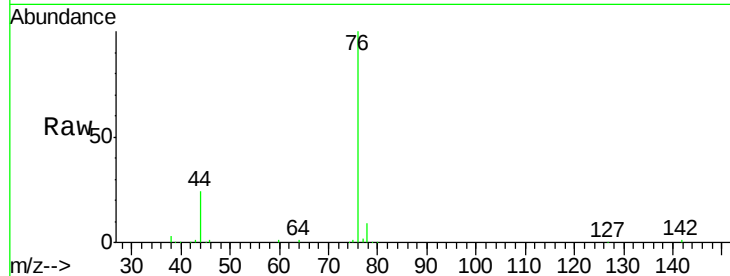
#17
Carbon Disulfide
Concen: 43.006 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

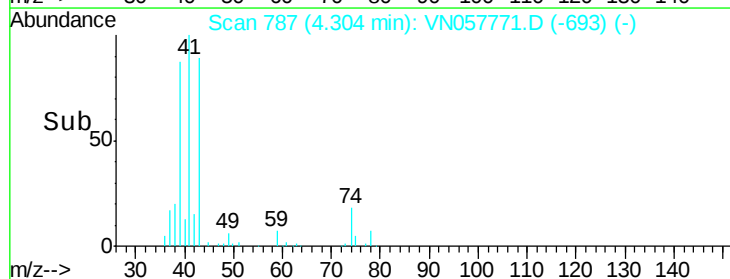
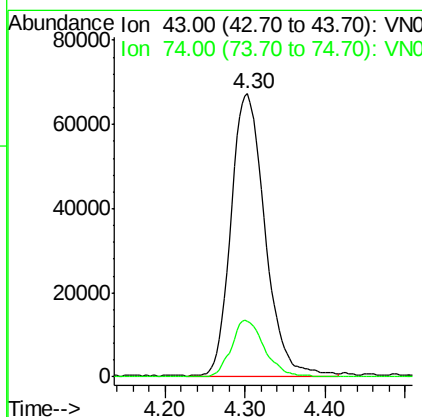
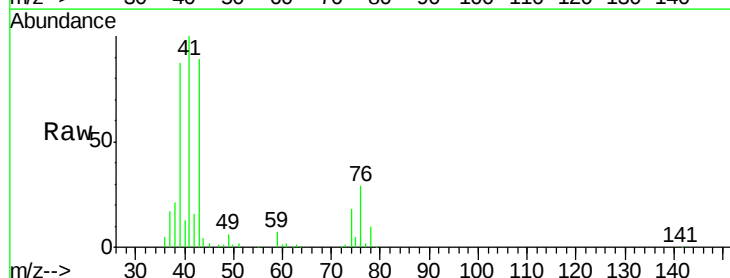
Manual Integrations
APPROVED

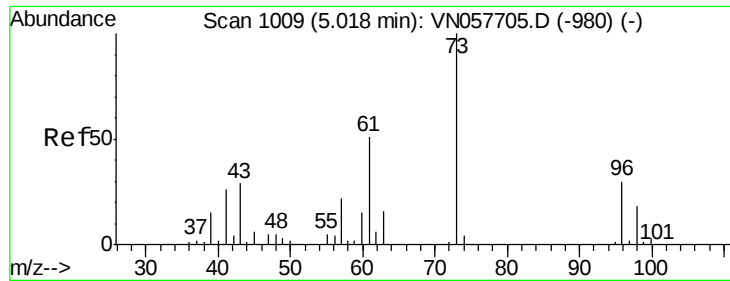
MMDadoda
9/10/2019 3:03:25 PM



#18
Methyl Acetate
Concen: 48.138 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.3	22.9





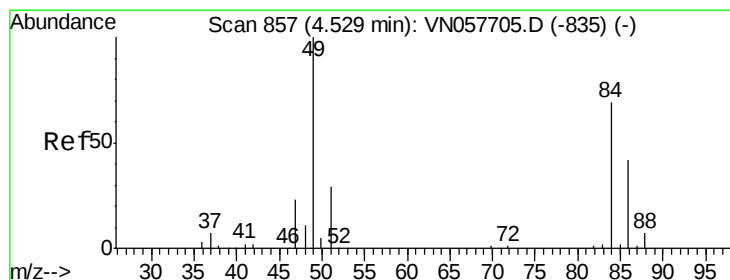
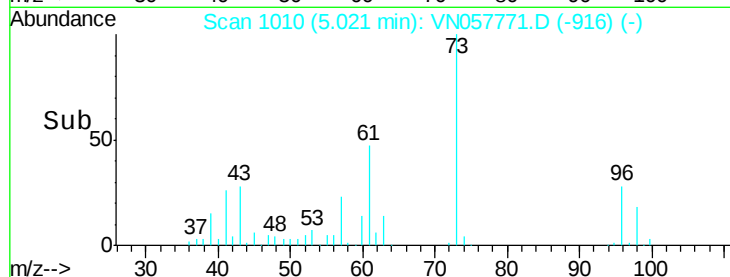
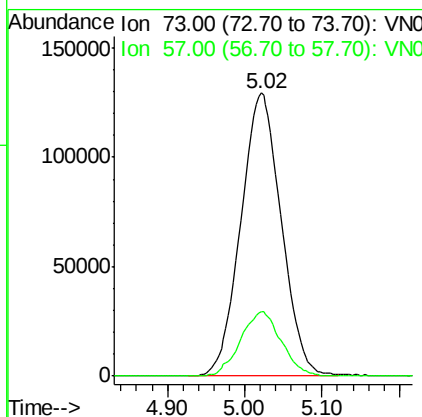
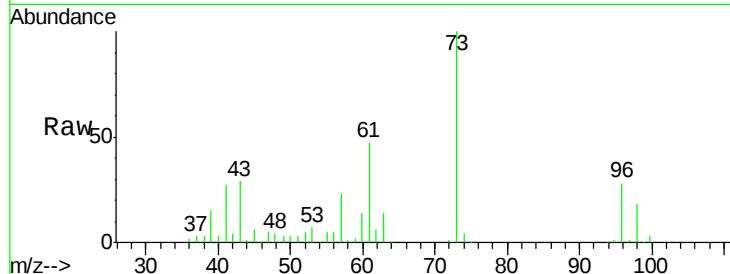
#19
Methvl tert-butvl Ether
Concen: 45.909 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 470831
Ion Ratio Lower Upper
73 100
57 22.9 17.7 26.5

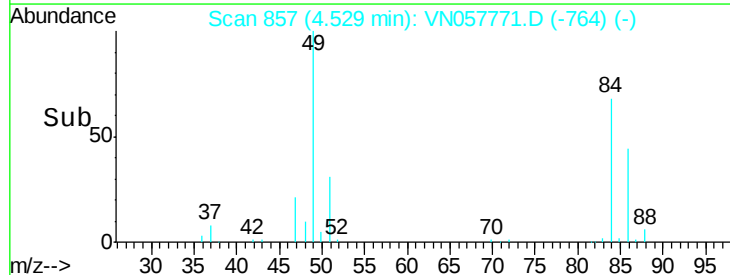
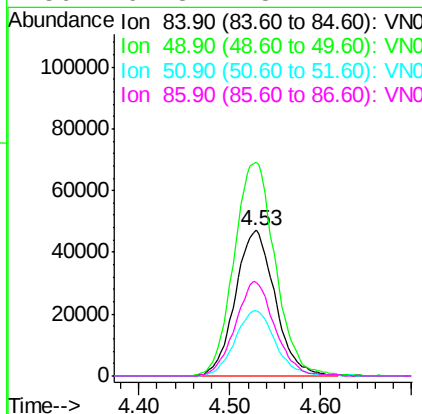
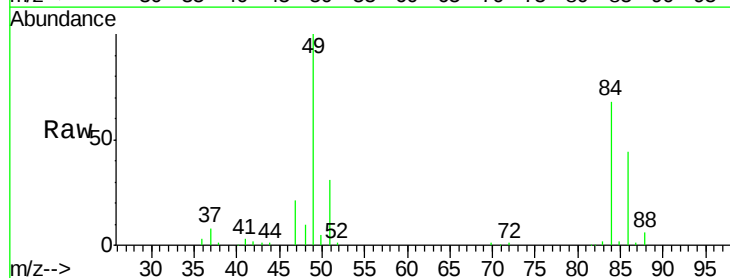
Manual Integrations
APPROVED

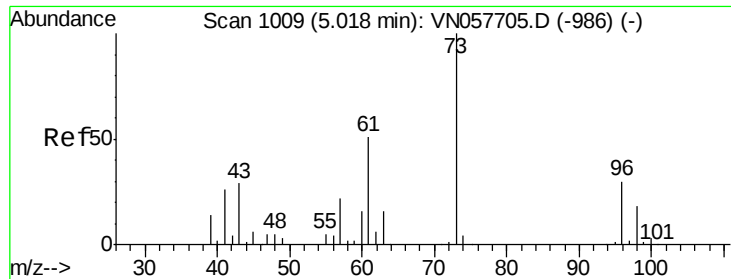
MMDadoda
9/10/2019 3:03:25 PM



#20
Methylene Chloride
Concen: 44.860 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion: 84 Resp: 143134
Ion Ratio Lower Upper
84 100
49 146.9 115.0 172.6
51 45.3 33.8 50.8
86 64.3 48.2 72.2





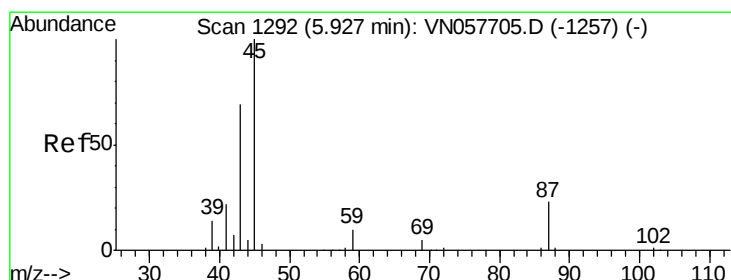
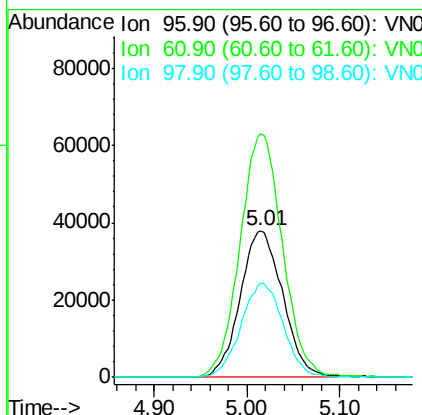
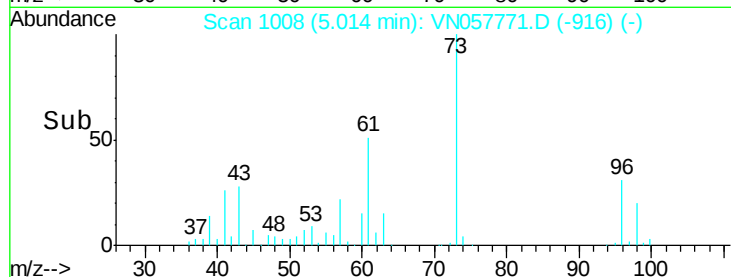
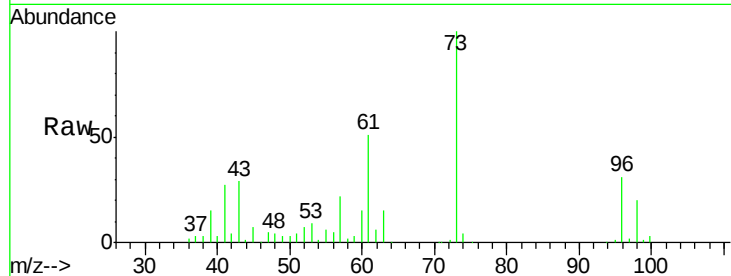
#21
trans-1,2-Dichloroethene
Concen: 46.873 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.2	135.8	203.8
98	64.4	49.0	73.6

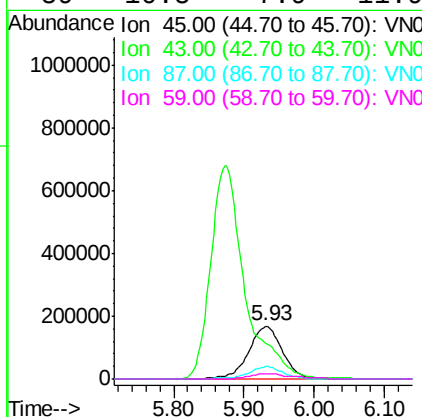
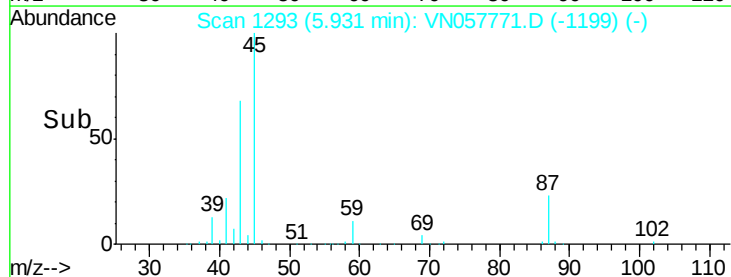
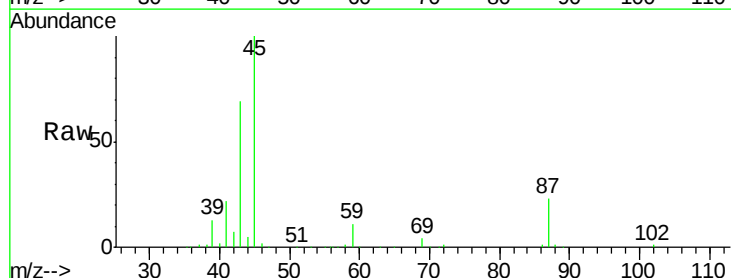
Manual Integrations
APPROVED

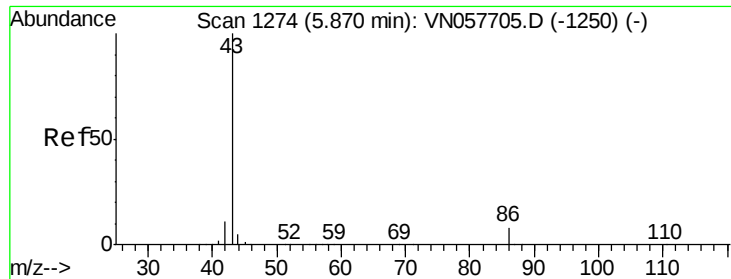
MMDadoda
9/10/2019 3:03:25 PM



#22
Diisopropyl ether
Concen: 47.343 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.0	55.5	83.3
87	23.1	18.6	28.0
59	10.5	7.9	11.9





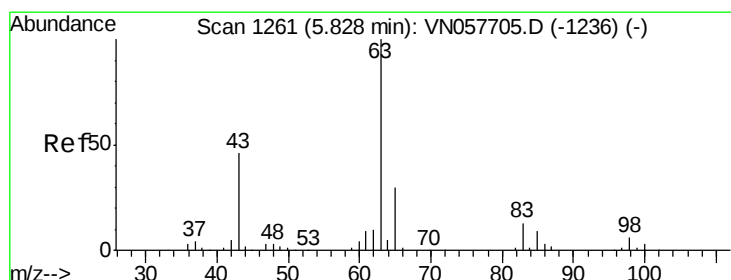
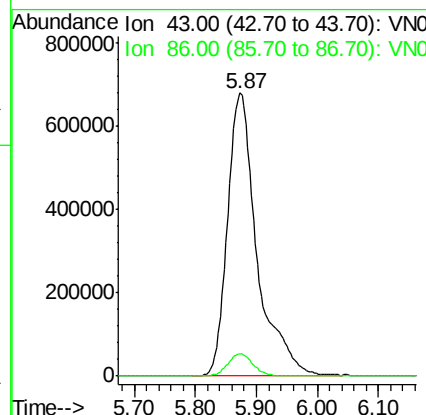
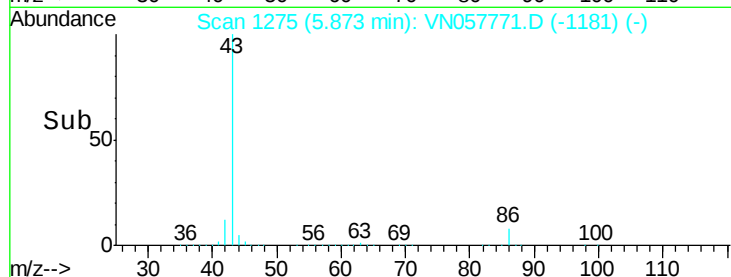
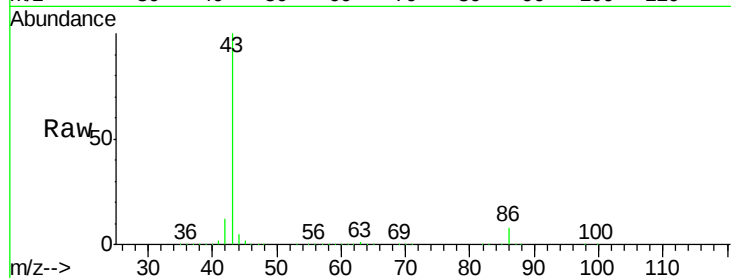
#23
 Vinyl Acetate
 Concen: 240.115 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2295086
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.2 9.4

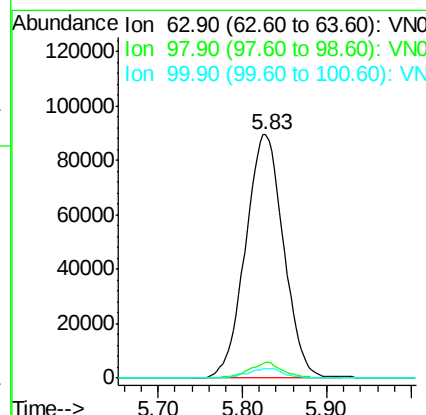
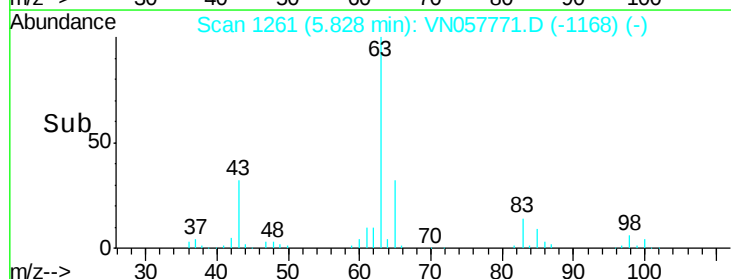
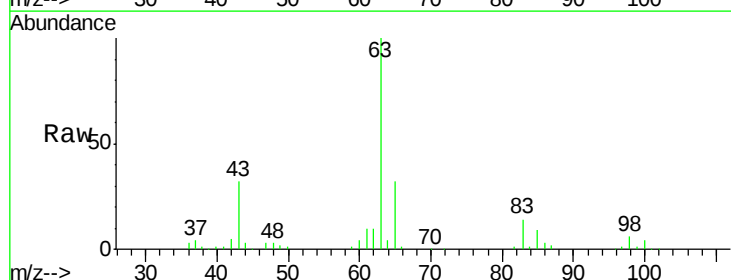
Manual Integrations
 APPROVED

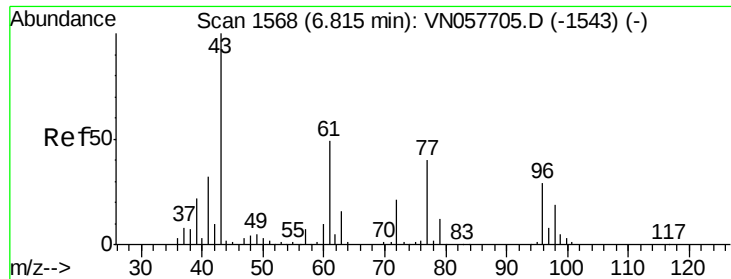
MMDadoda
 9/10/2019 3:03:25 PM



#24
 1,1-Dichloroethane
 Concen: 46.505 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Tgt Ion: 63 Resp: 281587
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.8
 100 3.6 1.7 5.0





#25

2-Butanone

Concen: 247.830 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 523722

Ion Ratio Lower Upper

43 100

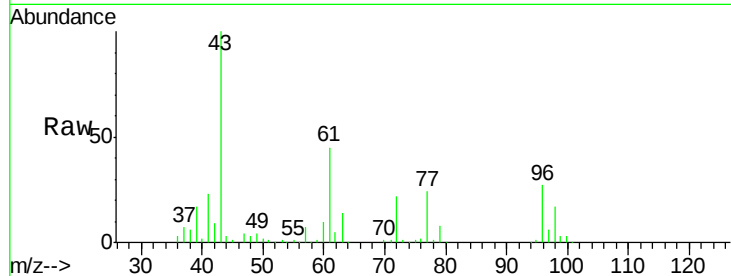
72 21.8 17.0 25.6

Manual Integrations

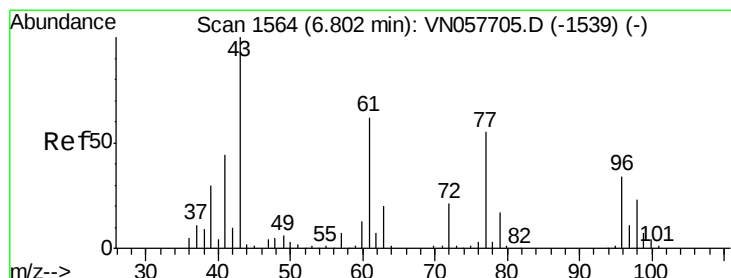
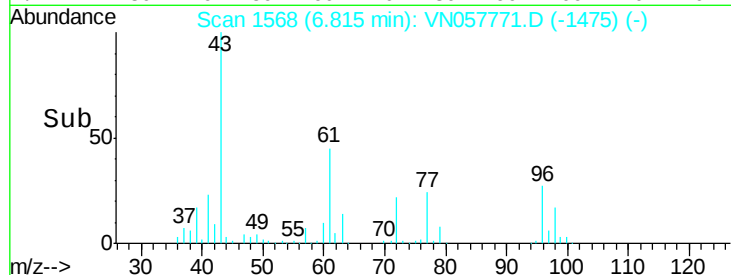
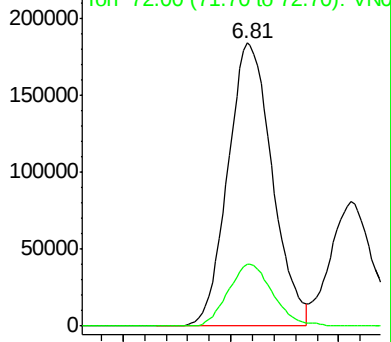
APPROVED

MMDadoda

9/10/2019 3:03:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VN057771.D (-1475) (-)



#26

2,2-Dichloropropane

Concen: 34.107 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN057771.D

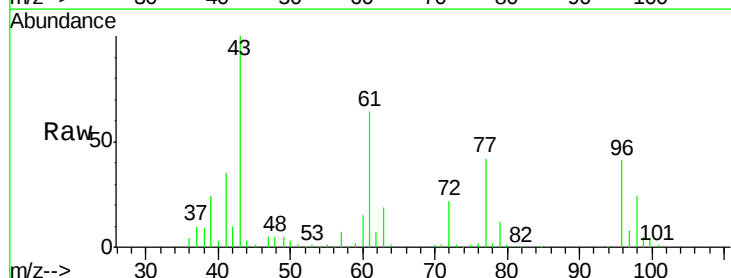
Acq: 7 Sep 2019 21:43

Tgt Ion: 77 Resp: 172287

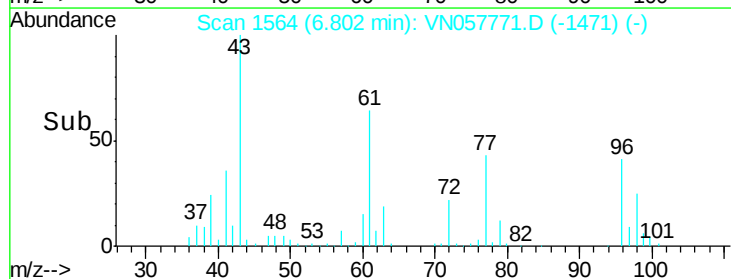
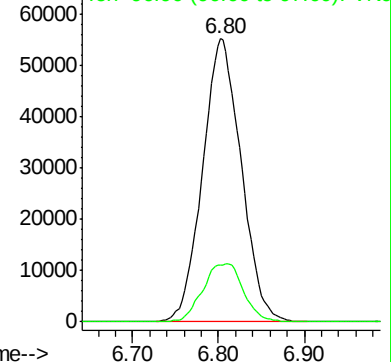
Ion Ratio Lower Upper

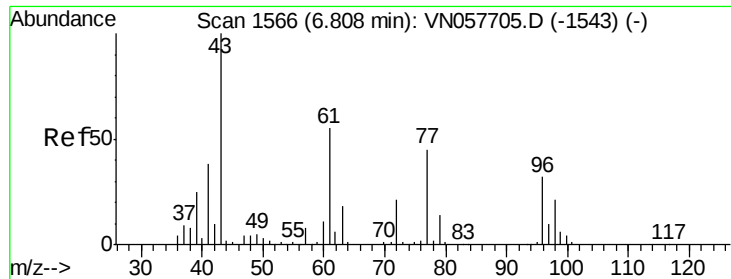
77 100

97 21.6 10.1 30.1



Abundance Ion 76.90 (76.60 to 77.60): VN057771.D (-1471) (-)





#27

cis-1,2-Dichloroethene

Concen: 48.946 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Instrument :

MSVOA_N

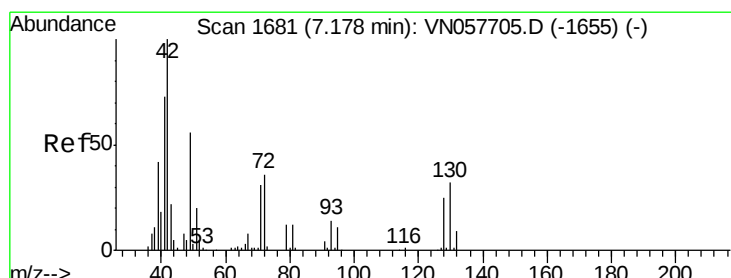
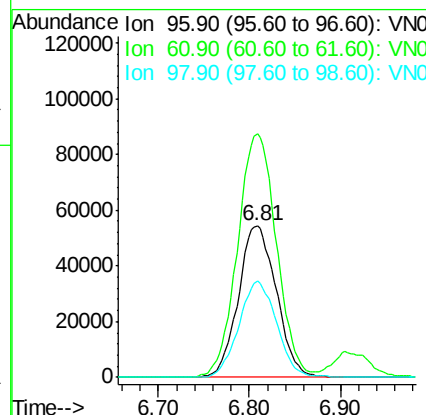
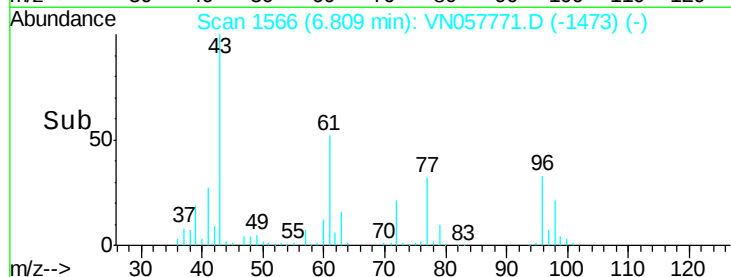
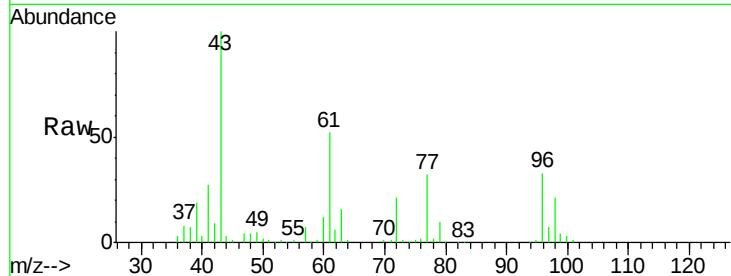
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	157926
Ion	Ratio	Lower	Upper
96	100		
61	164.0	0.0	360.6
98	62.7	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 3:03:25 PM



#28

Bromochloromethane

Concen: 46.163 ug/l

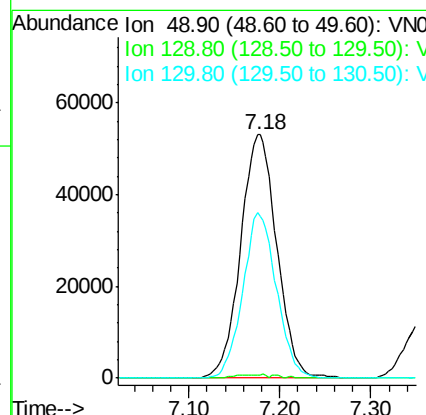
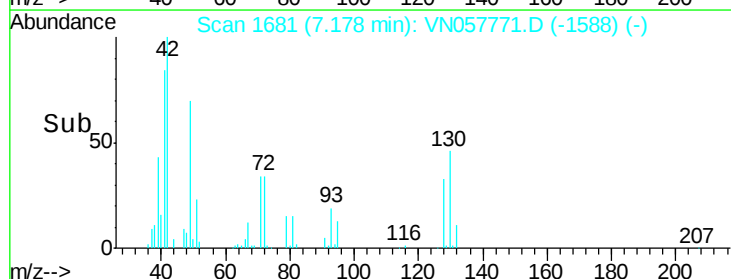
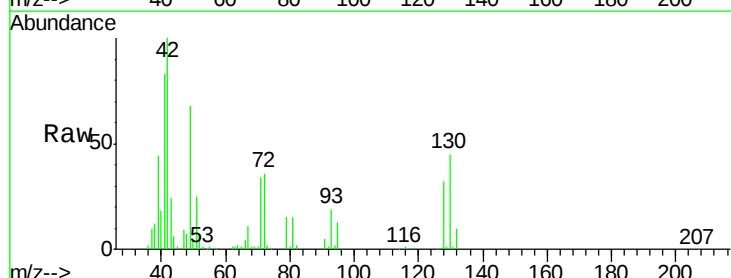
RT: 7.18 min Scan# 1681

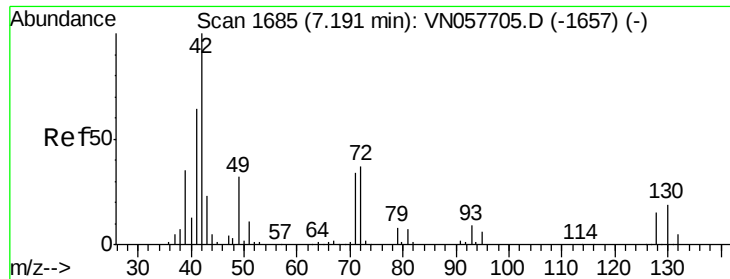
Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Tgt Ion:	49	Resp:	146251
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.4
130	63.2	45.8	68.8





#29

Tetrahydrofuran

Concen: 246.894 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Instrument :

MSVOA_N

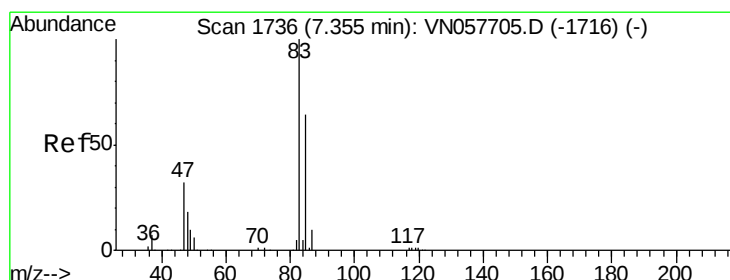
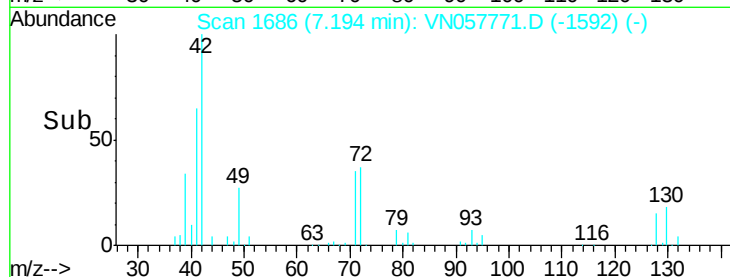
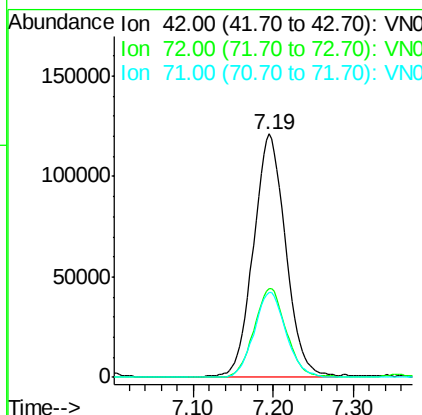
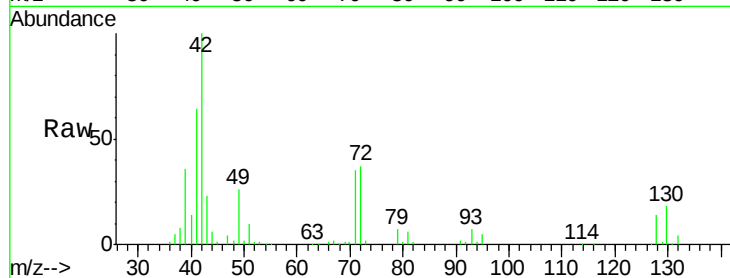
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	336472
Ion Ratio		Lower	Upper
42	100		
72	36.0	29.2	43.8
71	34.5	27.0	40.4

Manual Integrations
APPROVED

MMDadoda
9/10/2019 3:03:25 PM



#30

Chloroform

Concen: 47.654 ug/l

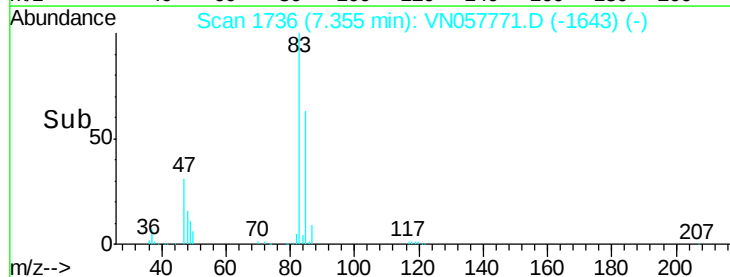
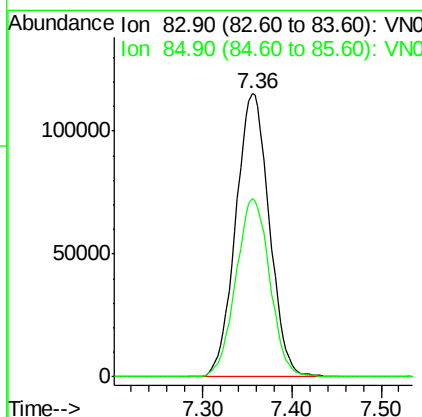
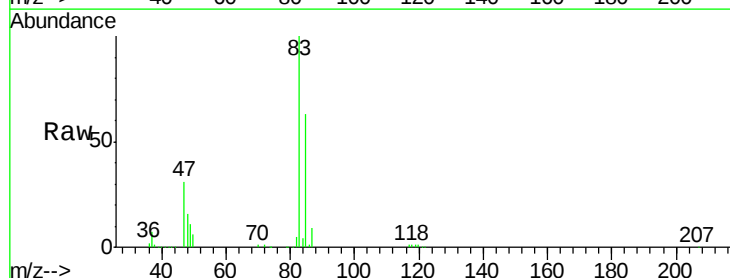
RT: 7.36 min Scan# 1736

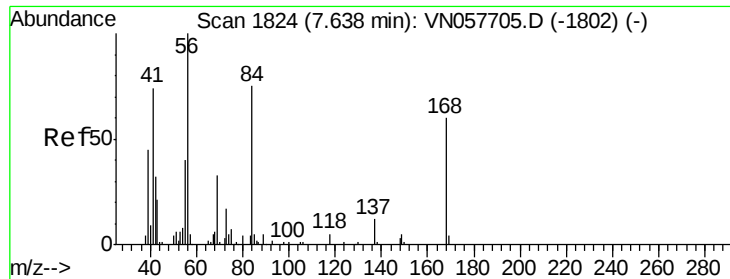
Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Tgt Ion:	83	Resp:	300673
Ion Ratio		Lower	Upper
83	100		
85	63.0	51.3	76.9





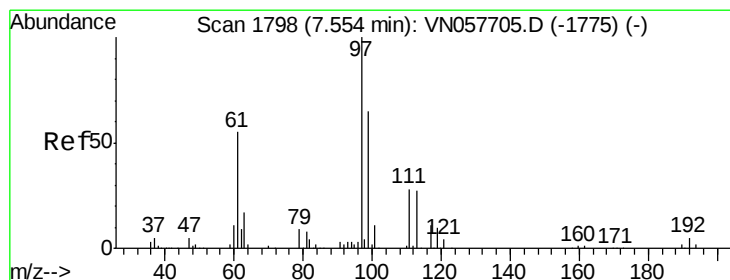
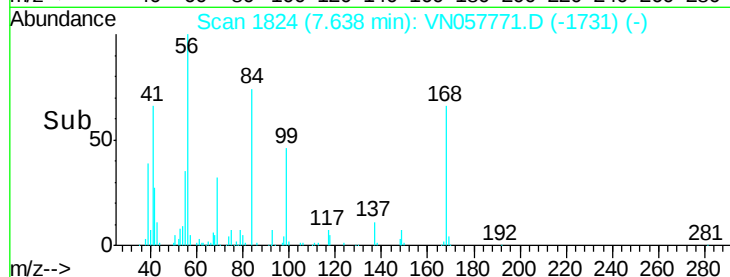
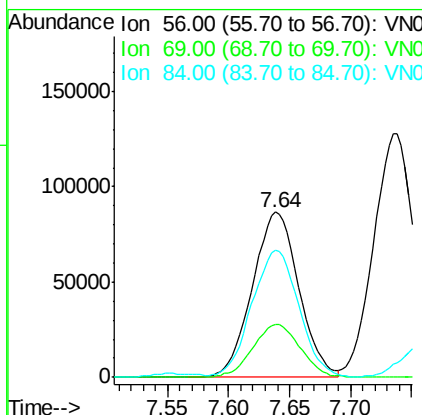
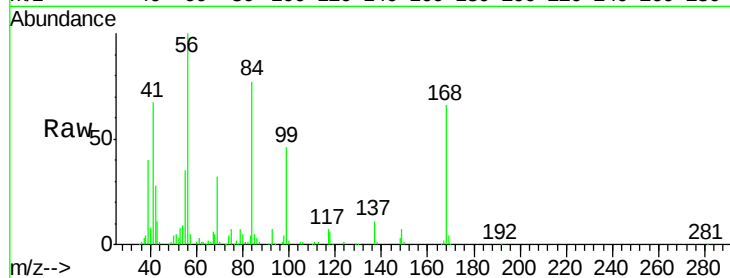
#31
Cyclohexane
Concen: 42.685 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	32.0	26.2	39.2	
84	75.6	59.8	89.8	

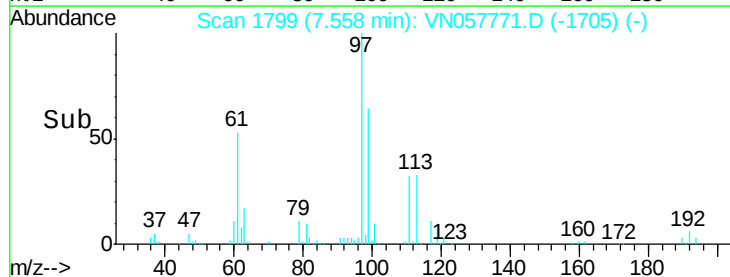
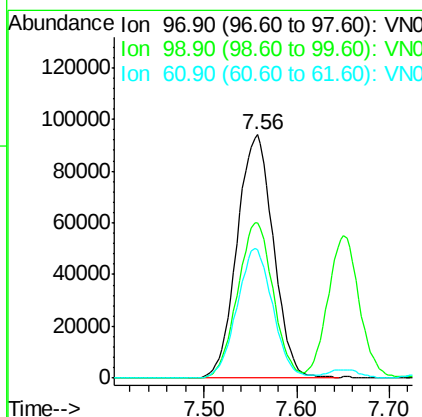
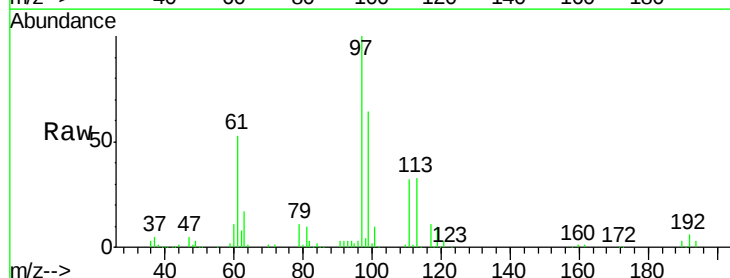
Manual Integrations
APPROVED

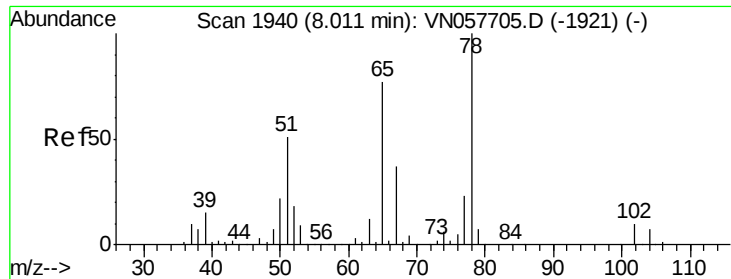
MMDadoda
9/10/2019 3:03:25 PM



#32
1,1,1-Trichloroethane
Concen: 48.697 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	62.4	51.2	76.8	
61	52.2	42.8	64.2	





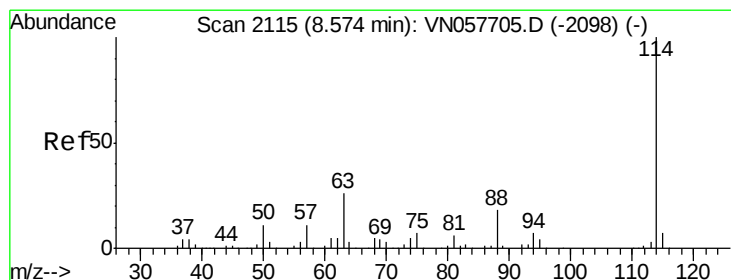
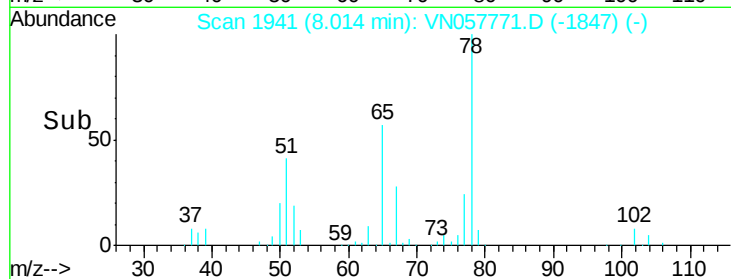
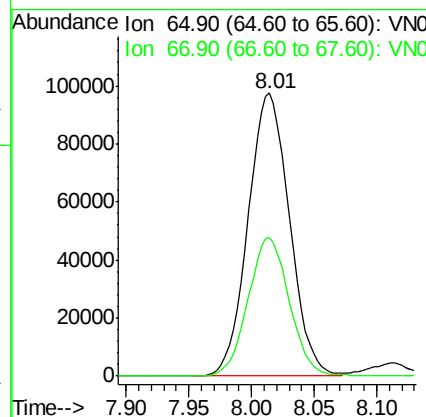
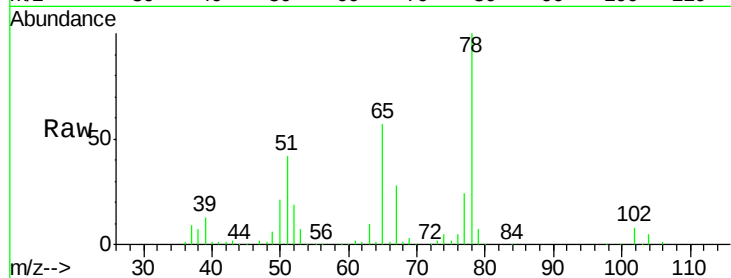
#33
 1,2-Dichloroethane-d4
 Concen: 46.715 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	224005		
67	48.8	0.0	98.2	

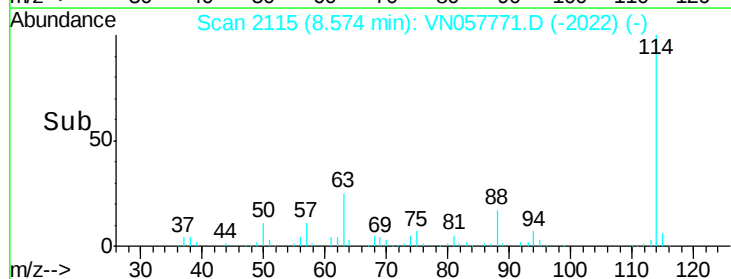
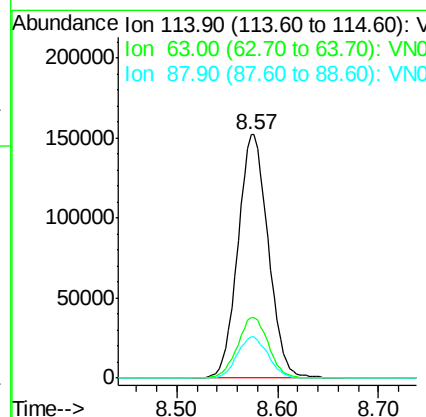
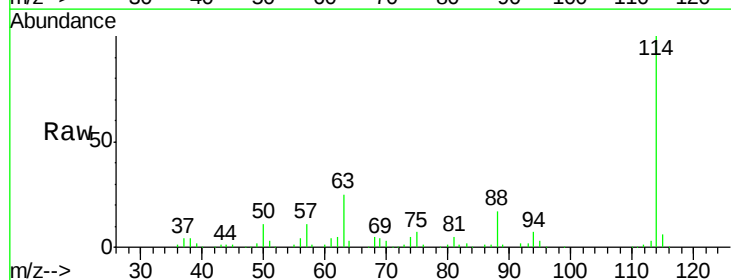
Manual Integrations
 APPROVED

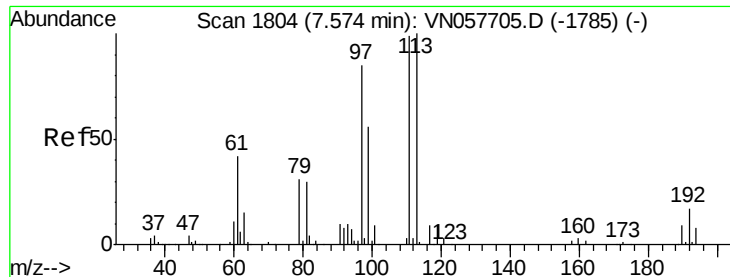
MMDadoda
 9/10/2019 3:03:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	316929		
63	25.1	0.0	52.4	
88	17.1	0.0	35.4	





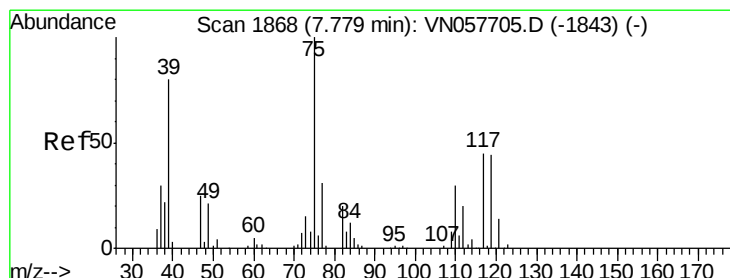
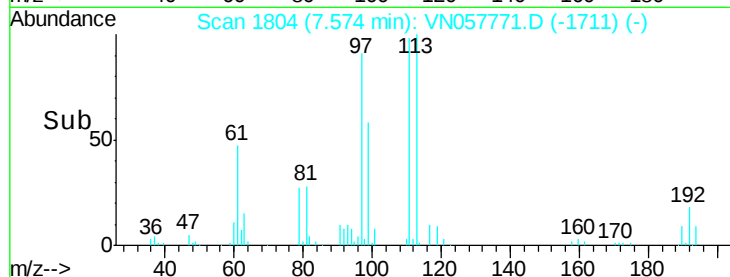
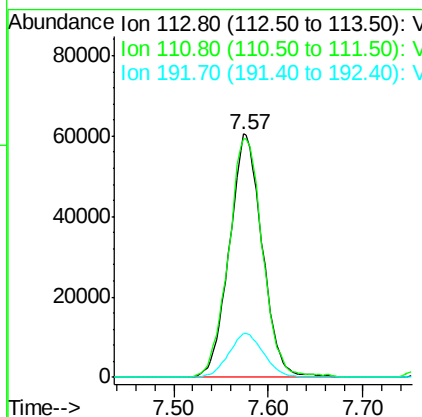
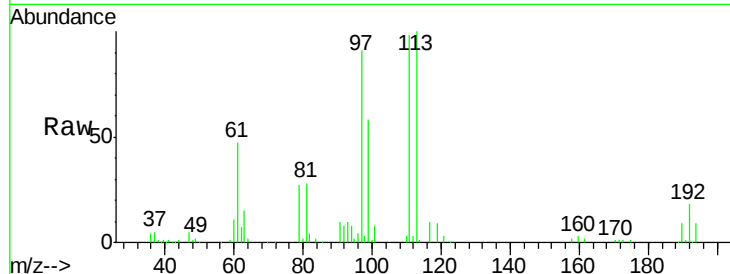
#35
 Dibromofluoromethane
 Concen: 50.492 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.7	124.1
192	19.2	13.8	20.6

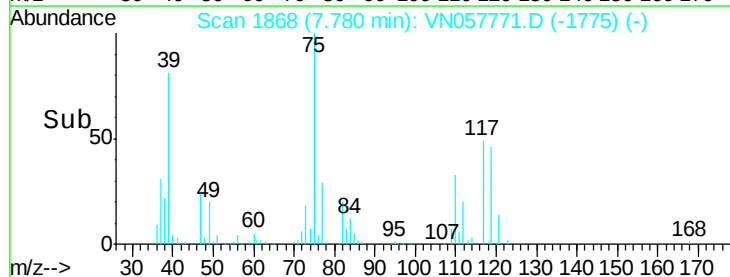
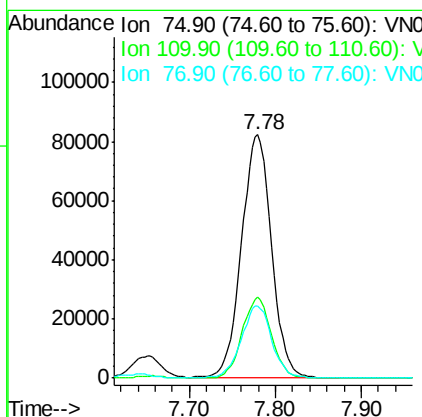
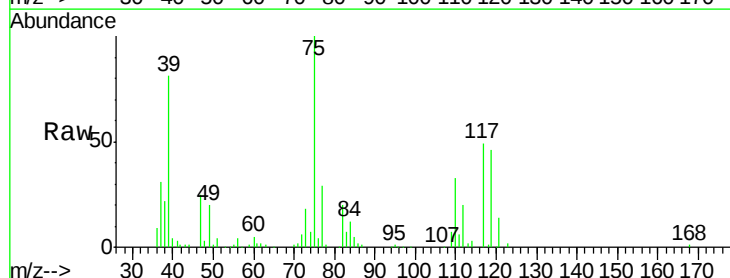
Manual Integrations
 APPROVED

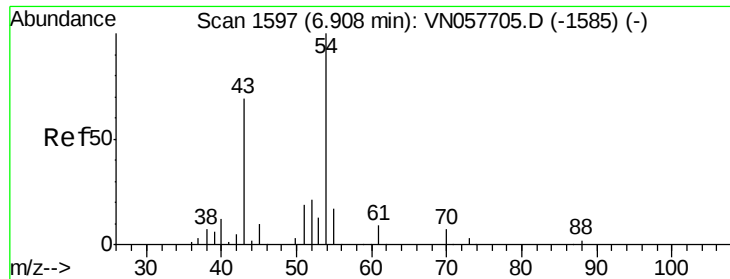
MMDadoda
 9/10/2019 3:03:25 PM



#36
 1,1-Dichloropropene
 Concen: 47.187 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.4	15.0	45.0
77	30.3	24.6	37.0





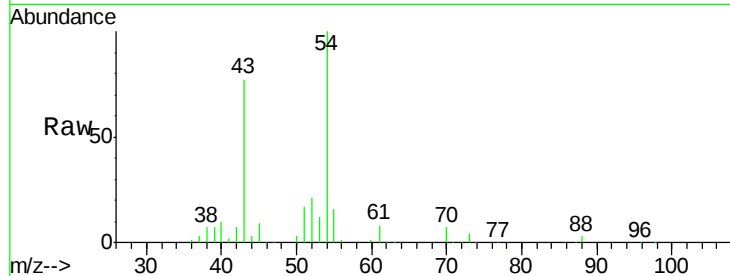
#37
Ethyl Acetate
Concen: 52.828 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

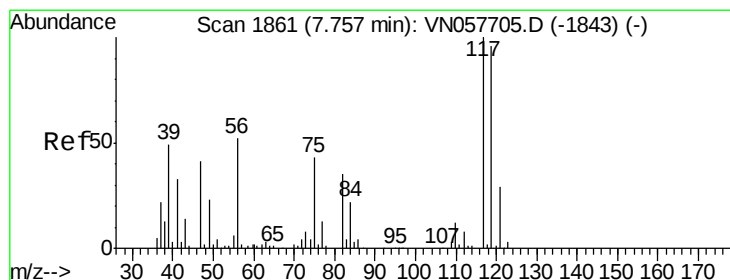
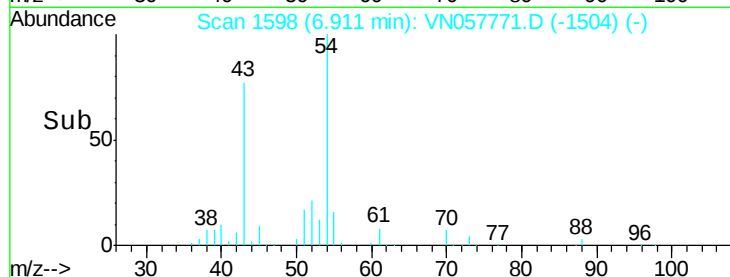
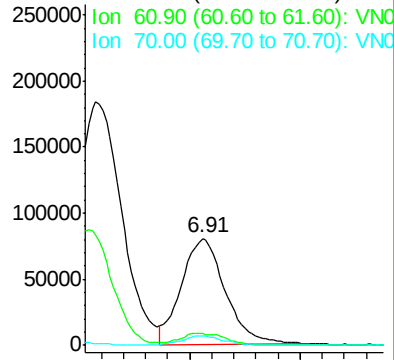
Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.8	14.8
70	8.5	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
9/10/2019 3:03:25 PM

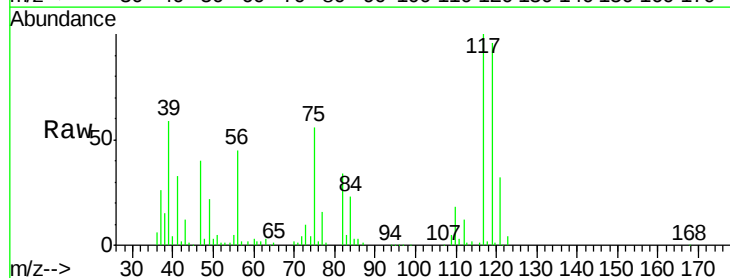


Abundance Ion 43.00 (42.70 to 43.70): VN057771.D (-1598) (-)

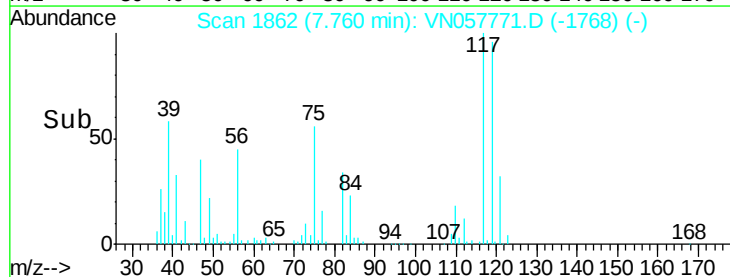
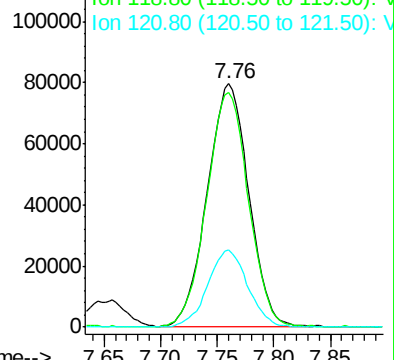


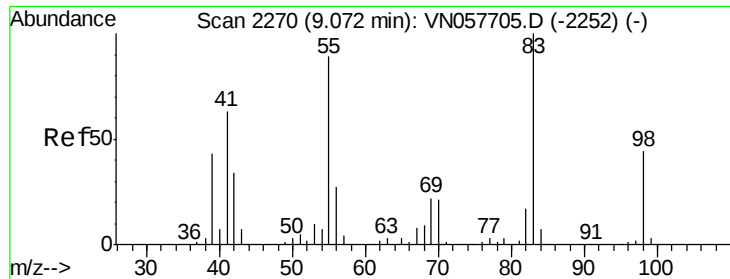
#38
Carbon Tetrachloride
Concen: 50.048 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.1	114.1
121	31.7	23.4	35.2



Abundance Ion 116.80 (116.50 to 117.50): VN057771.D (-1862) (-)





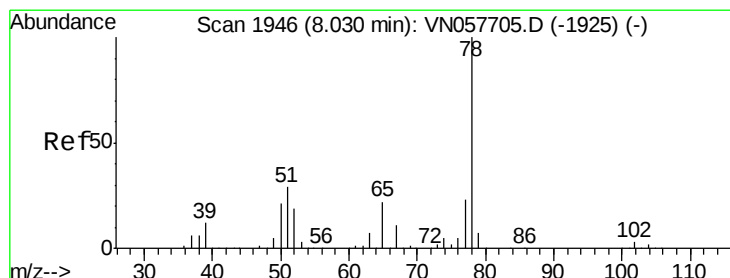
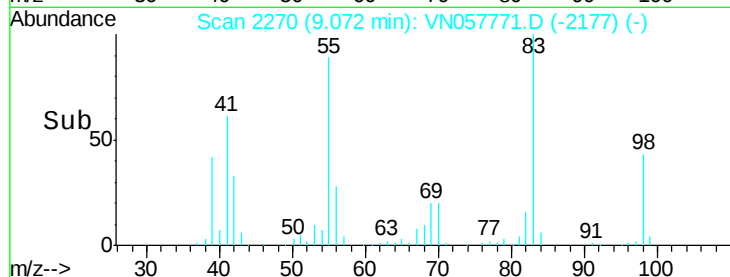
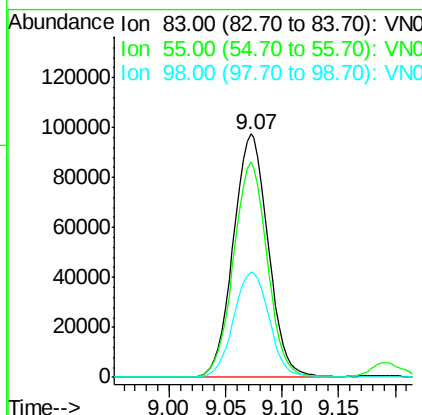
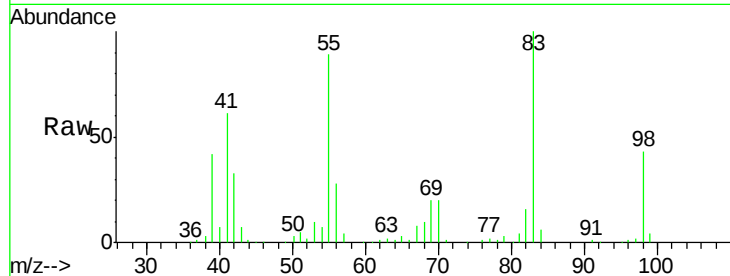
#39
Methvlcvclohexane
Concen: 47.034 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.3	71.4	107.0
98	43.4	35.3	52.9

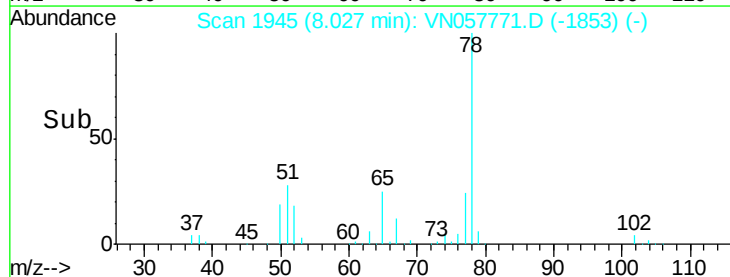
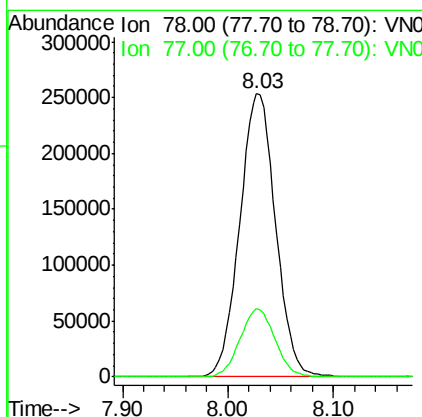
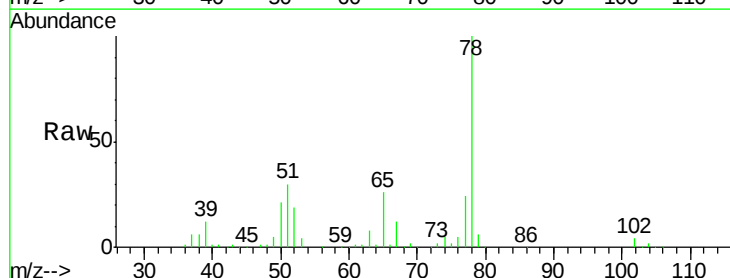
Manual Integrations
APPROVED

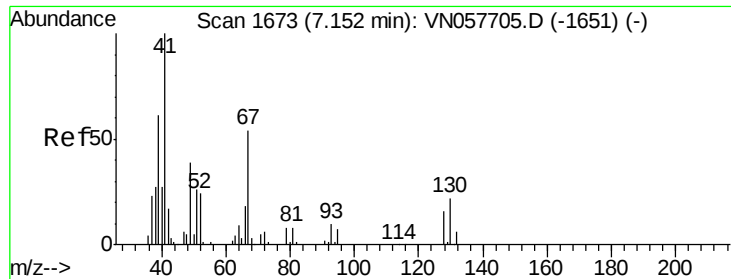
MMDadoda
9/10/2019 3:03:25 PM



#40
Benzene
Concen: 50.176 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.6	28.0





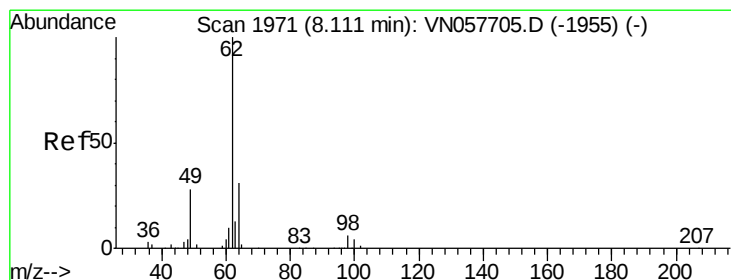
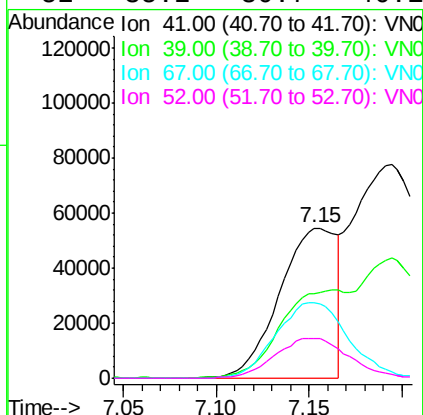
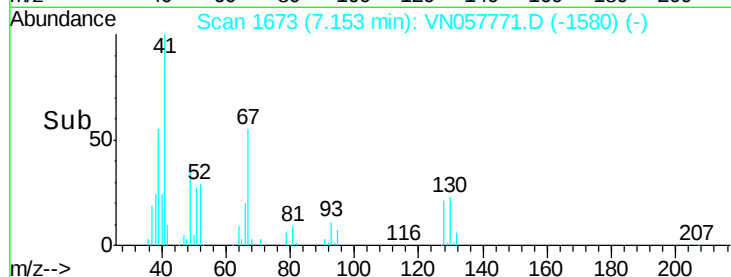
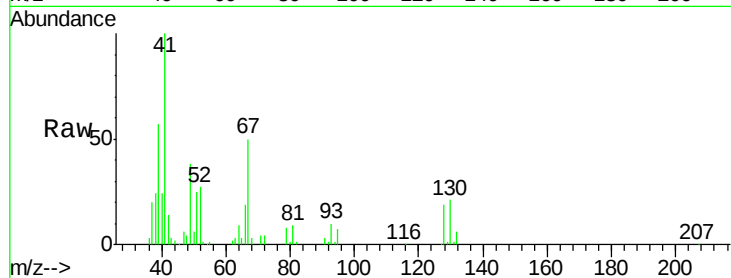
#41
Methacrylonitrile
Concen: 57.447 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	69.2	43.6	65.4#	
67	64.6	59.8	89.6	
52	35.2	30.7	46.1	

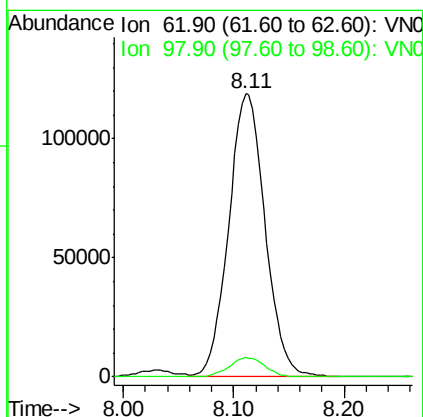
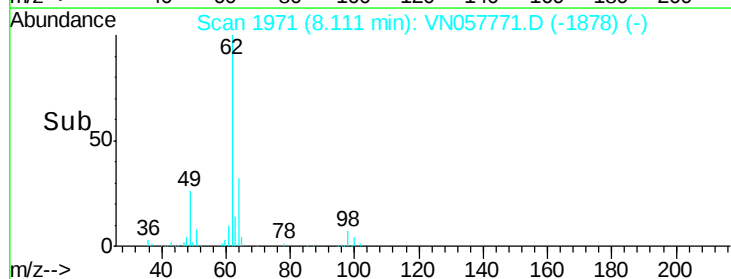
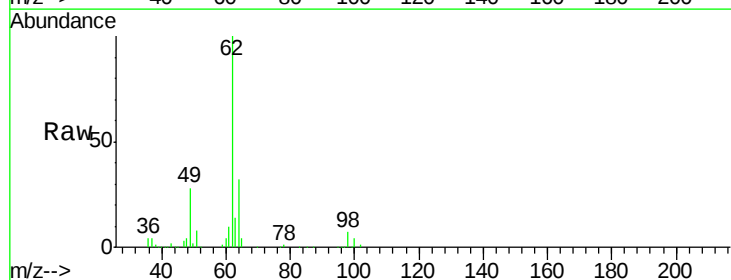
Manual Integrations
APPROVED

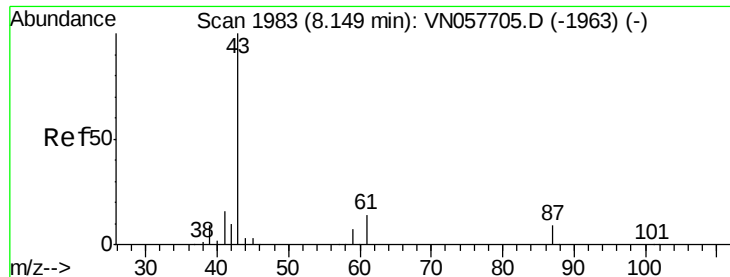
MMDadoda
9/10/2019 3:03:25 PM



#42
1,2-Dichloroethane
Concen: 48.456 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.7	0.0	12.6	





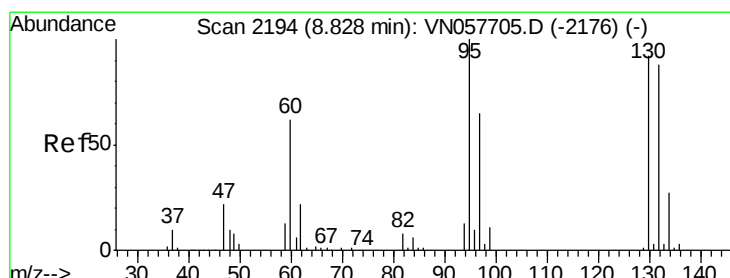
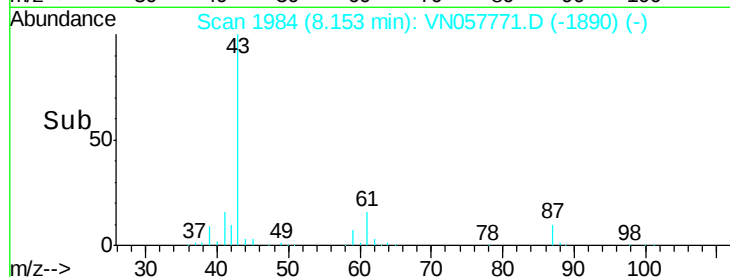
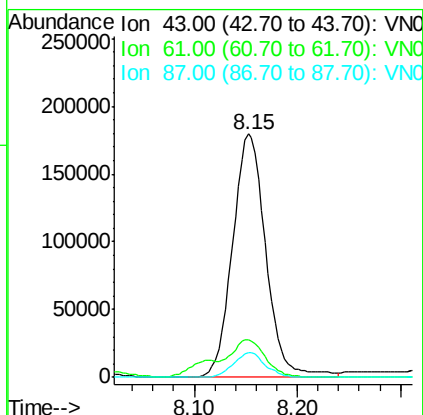
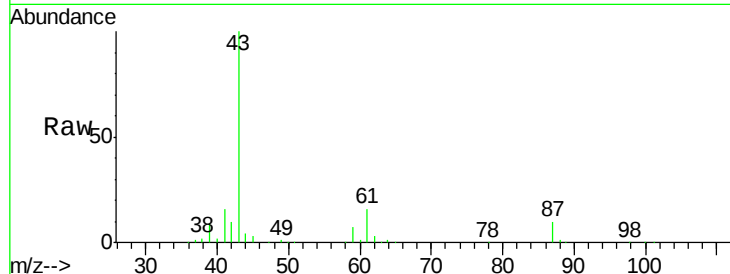
#43
Isopropyl Acetate
Concen: 50.002 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.8	19.2
87	9.9	7.8	11.8

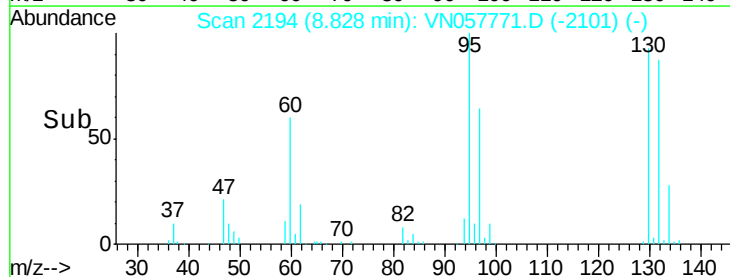
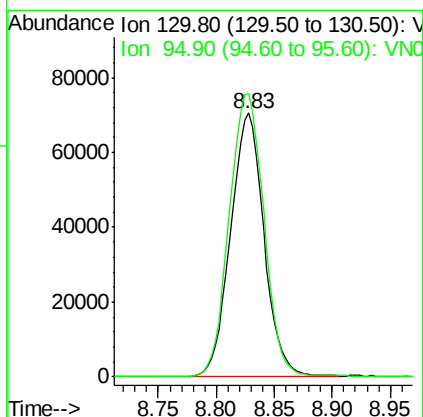
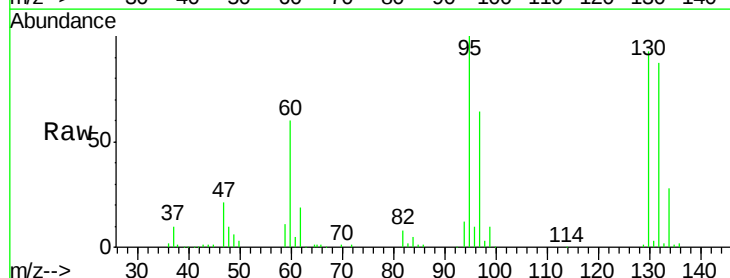
Manual Integrations
APPROVED

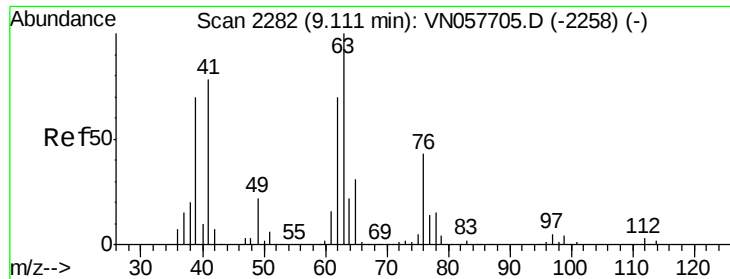
MMDadoda
9/10/2019 3:03:25 PM



#44
Trichloroethene
Concen: 52.586 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.4	0.0	217.8





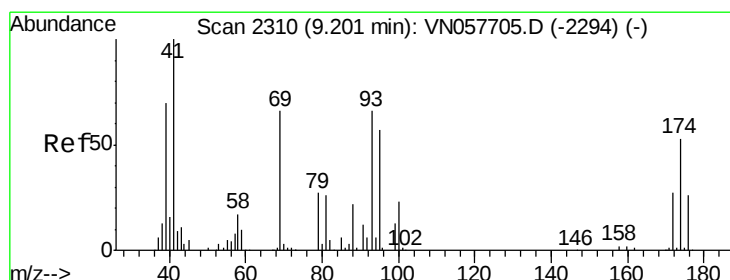
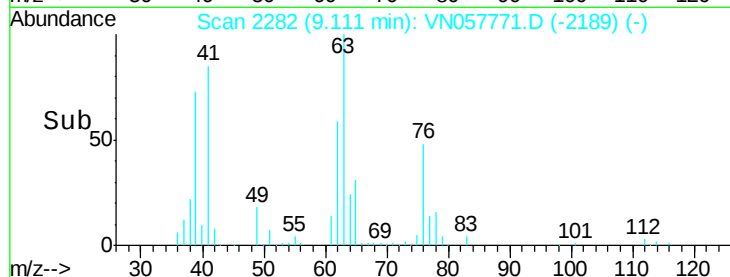
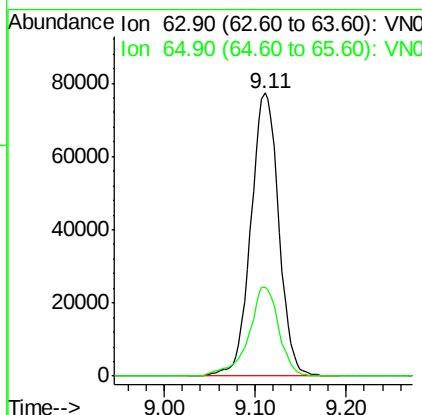
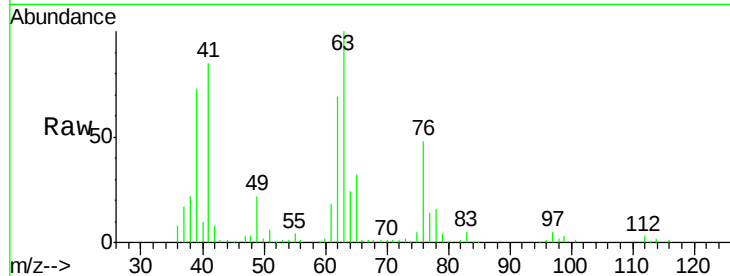
#45
1,2-Dichloropropane
Concen: 49.395 ug/l
RT: 9.11 min Scan# 2282
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 63 Resp: 164749
Ion Ratio Lower Upper
63 100
65 31.5 24.5 36.7

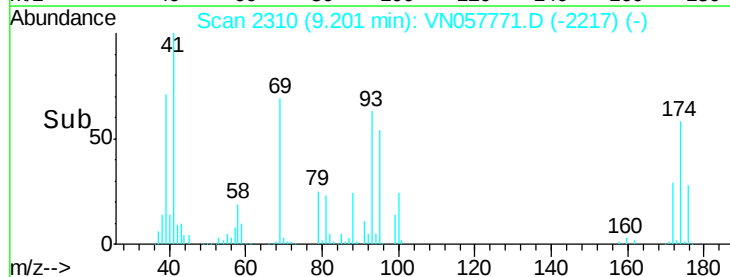
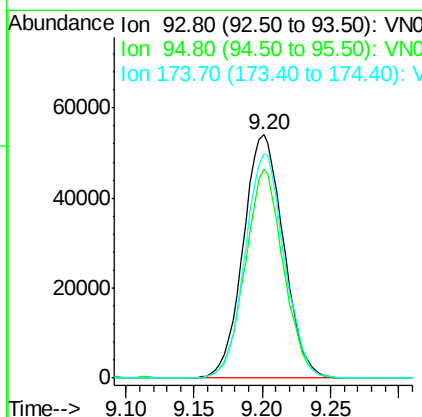
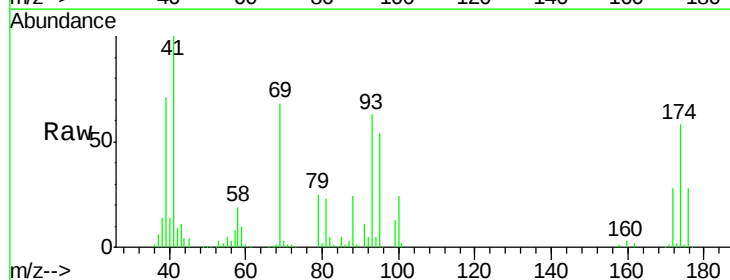
Manual Integrations
APPROVED

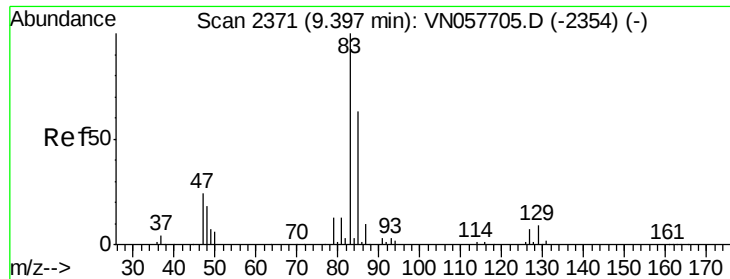
MMDadoda
9/10/2019 3:03:25 PM



#46
Dibromomethane
Concen: 51.798 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion: 93 Resp: 110821
Ion Ratio Lower Upper
93 100
95 81.8 66.1 99.1
174 89.6 63.4 95.2





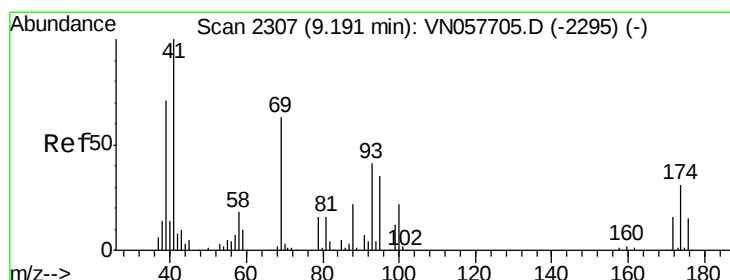
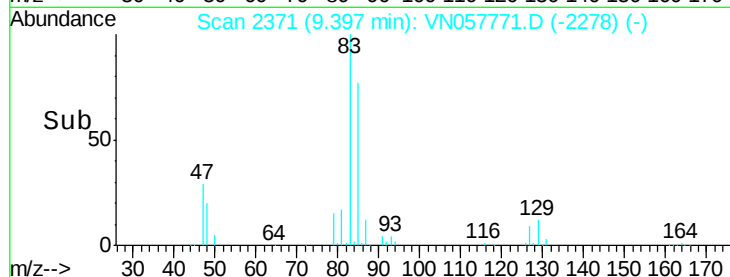
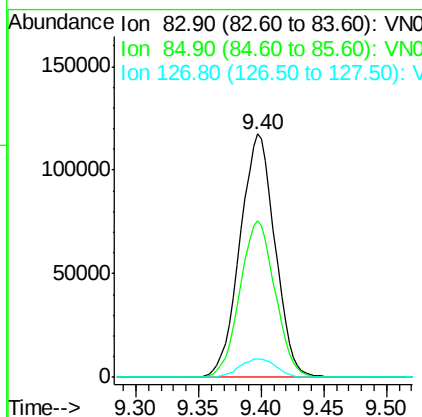
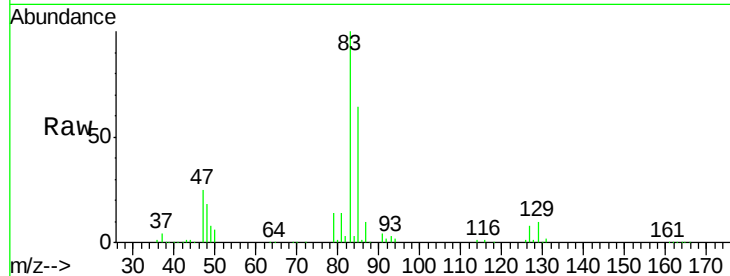
#47
Bromodichloromethane
Concen: 50.218 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	228333
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	50.7	76.1
127	7.6	5.6	8.4

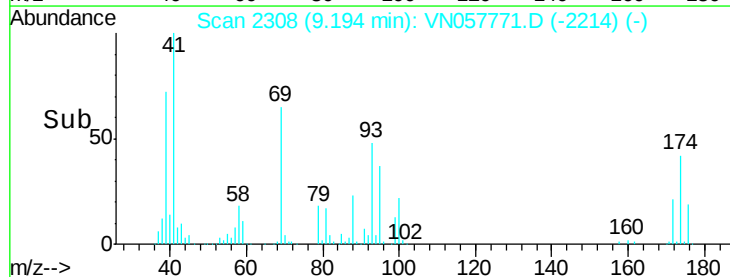
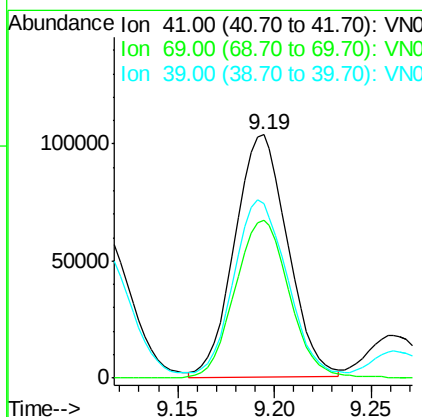
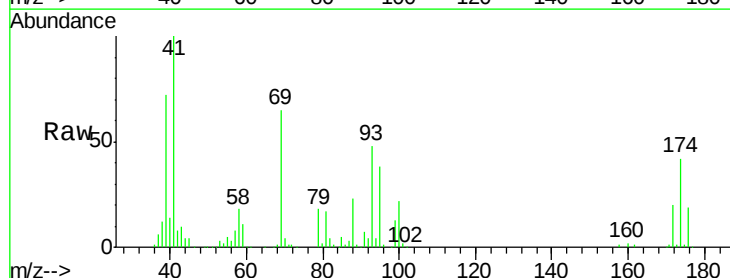
Manual Integrations
APPROVED

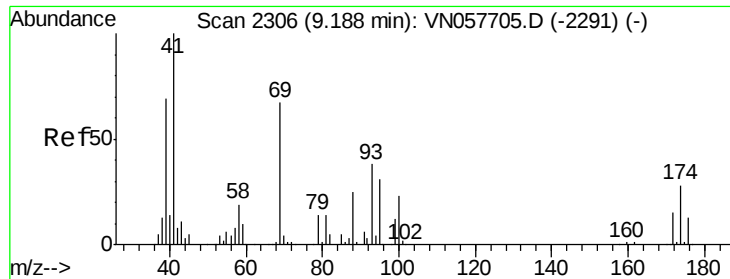
MMDadoda
9/10/2019 3:03:25 PM



#48
Methyl methacrylate
Concen: 47.943 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion	41	Resp	198103
Ion Ratio	100	Lower	Upper
41	100		
69	66.5	51.2	76.8
39	74.4	57.3	85.9





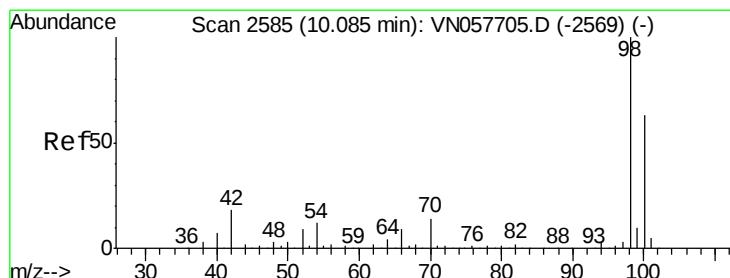
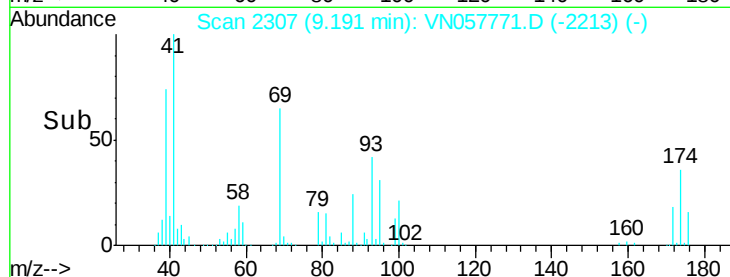
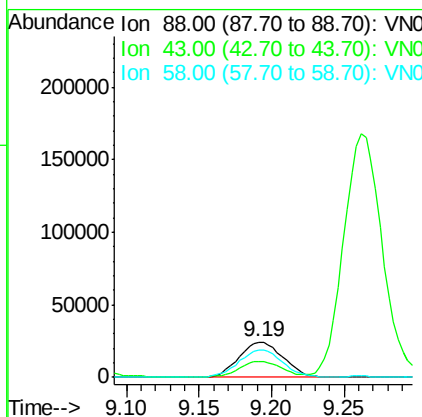
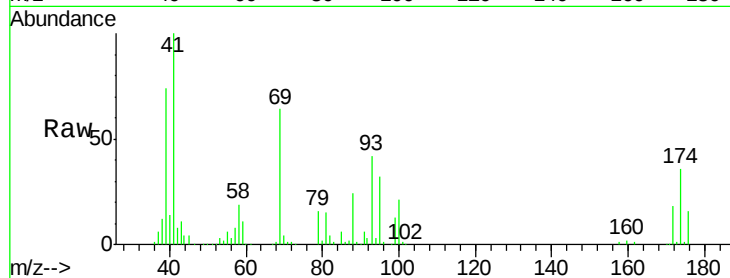
#49
1,4-Dioxane
Concen: 1074.752 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.7	35.4	53.2
58	77.3	61.5	92.3

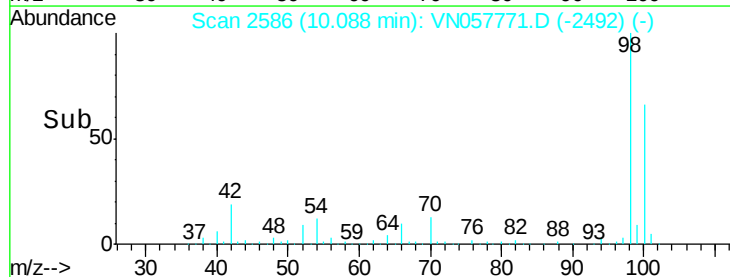
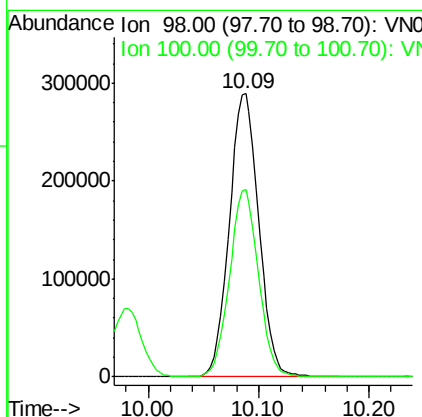
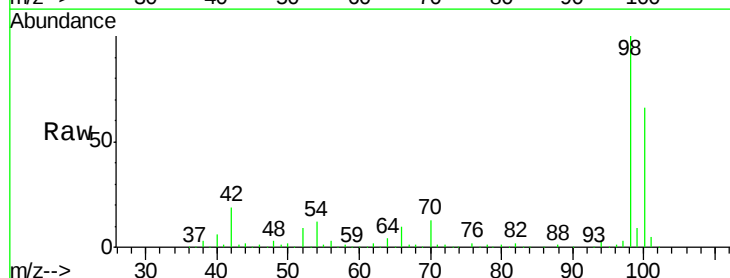
Manual Integrations
APPROVED

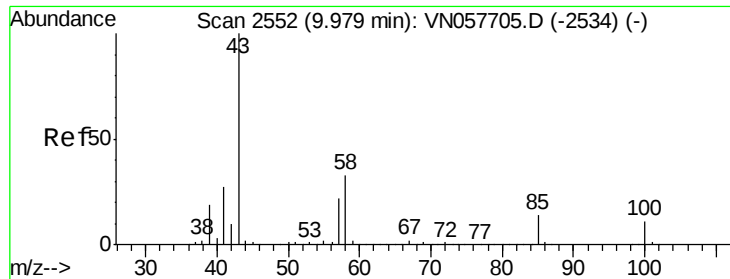
MMDadoda
9/10/2019 3:03:25 PM



#50
Toluene-d8
Concen: 50.124 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 264.779 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Tot Ion: 43 Resp: 1181431

Ion Ratio Lower Upper

43 100

58 32.5 25.8 38.8

Instrument :

MSVOA_N

ClientSampleId :

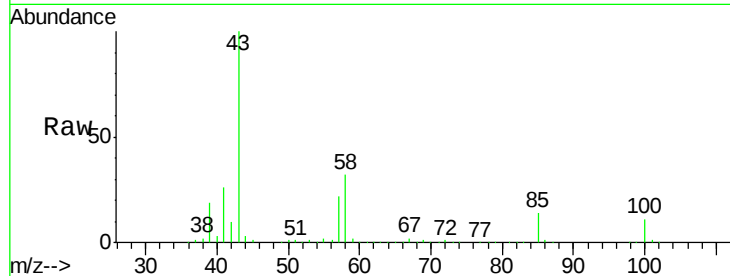
VSTDCCC050EC

Manual Integrations

APPROVED

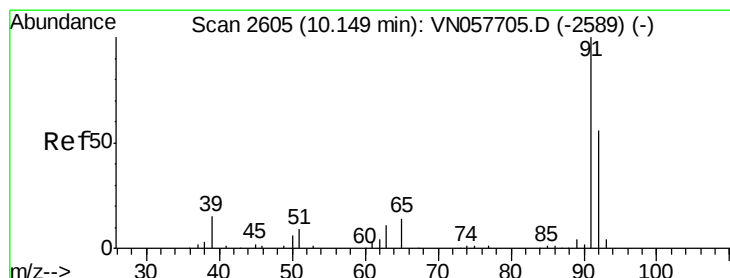
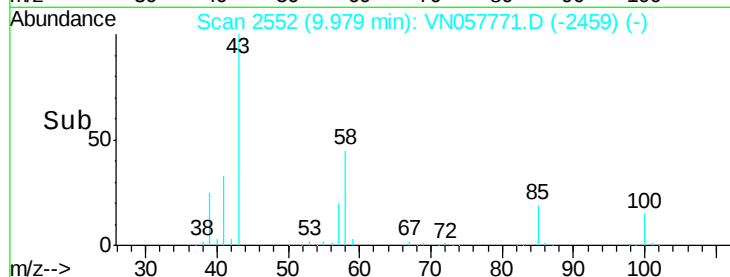
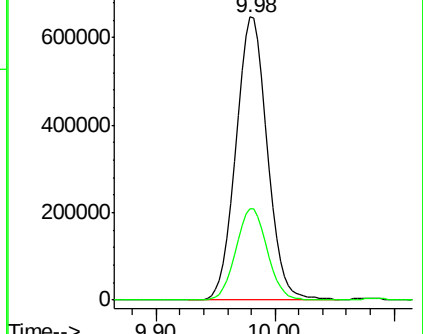
MMDadoda

9/10/2019 3:03:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.303 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057771.D

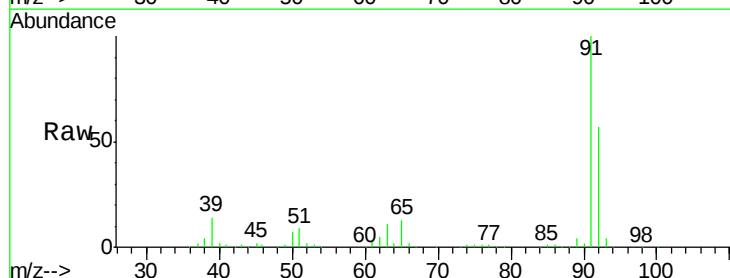
Acq: 7 Sep 2019 21:43

Tgt Ion: 92 Resp: 370823

Ion Ratio Lower Upper

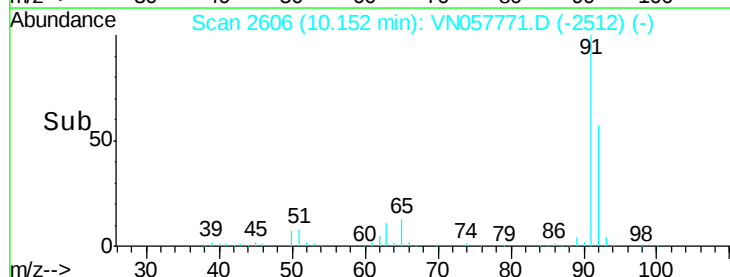
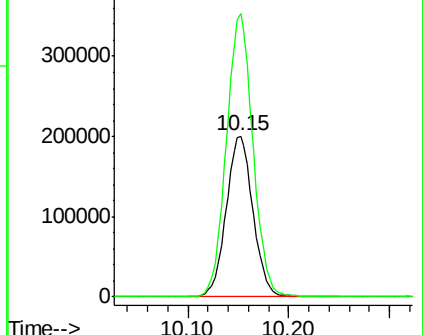
92 100

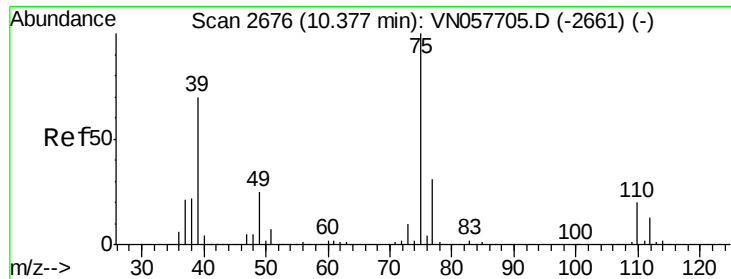
91 174.7 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





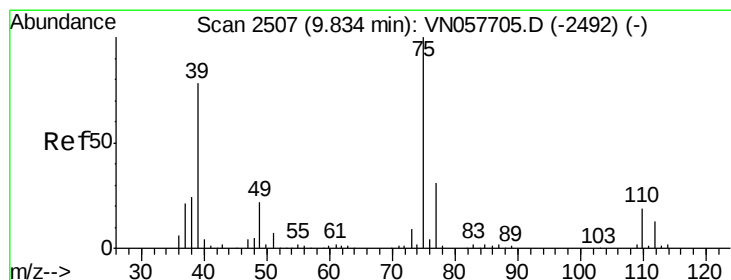
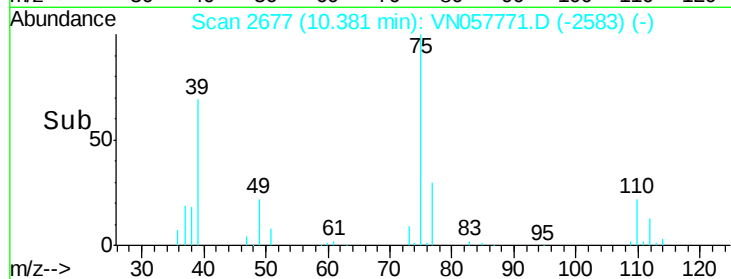
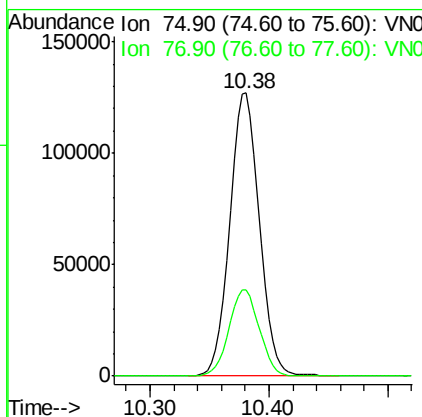
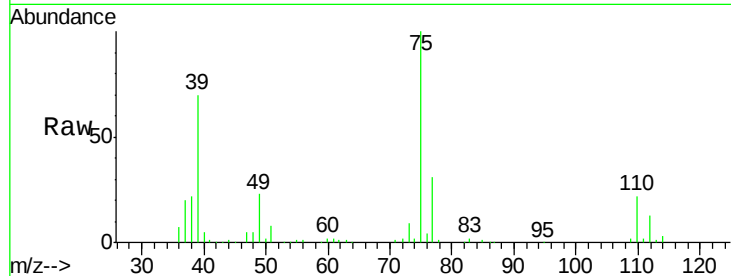
#53
t-1,3-Dichloropropene
Concen: 48.027 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.1	37.7

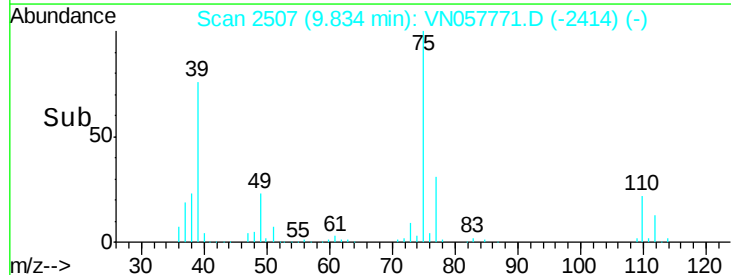
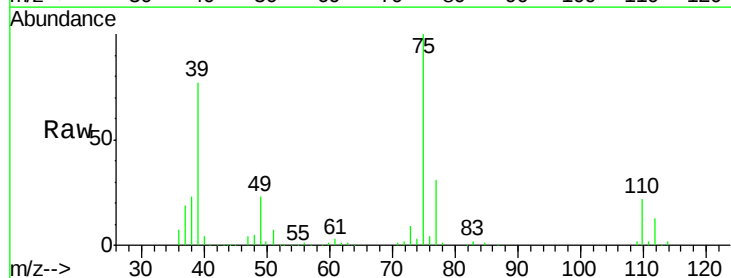
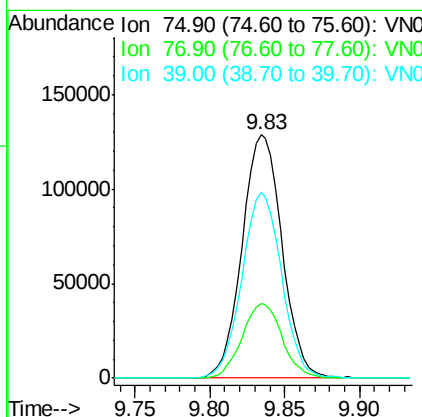
Manual Integrations
APPROVED

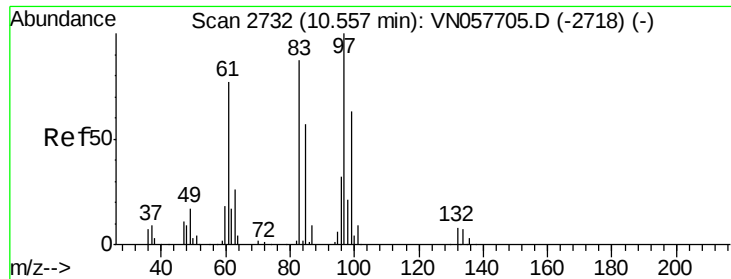
MMDadoda
9/10/2019 3:03:25 PM



#54
cis-1,3-Dichloropropene
Concen: 48.556 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.1	37.7
39	76.3	62.4	93.6





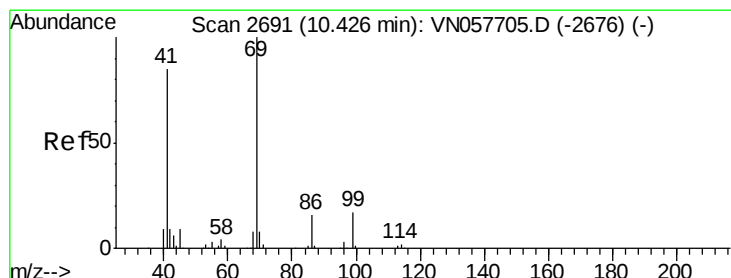
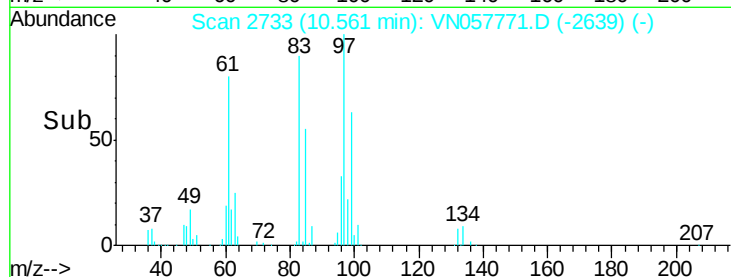
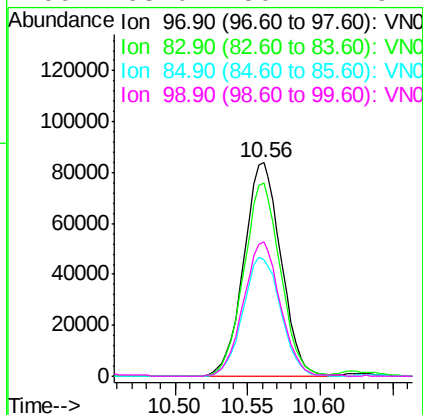
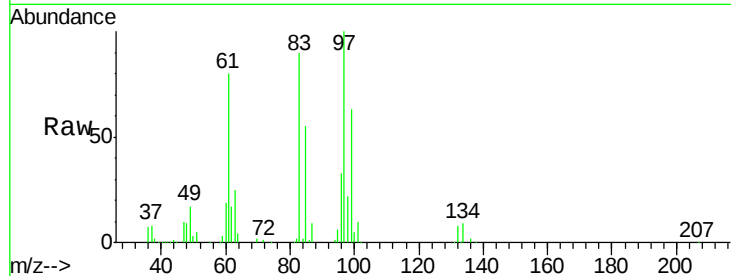
#55
 1,1,2-Trichloroethane
 Concen: 51.574 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	150019
Ion	Ratio	Lower	Upper
97	100		
83	90.5	69.5	104.3
85	54.5	45.7	68.5
99	63.0	50.2	75.4

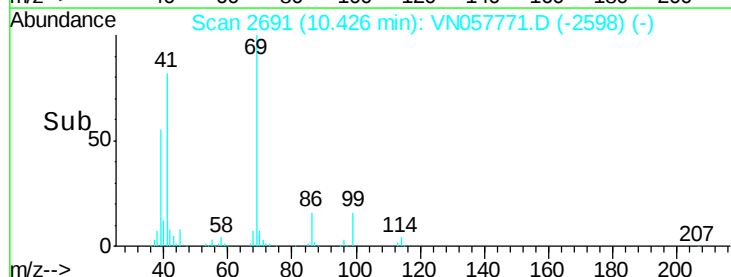
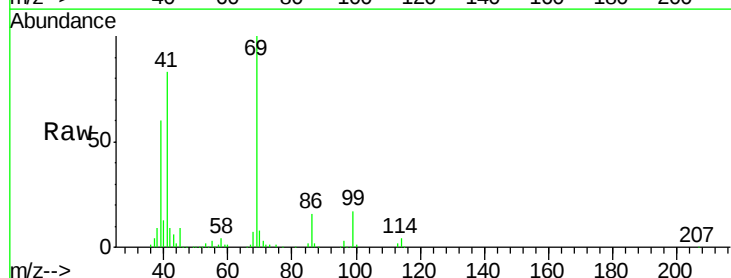
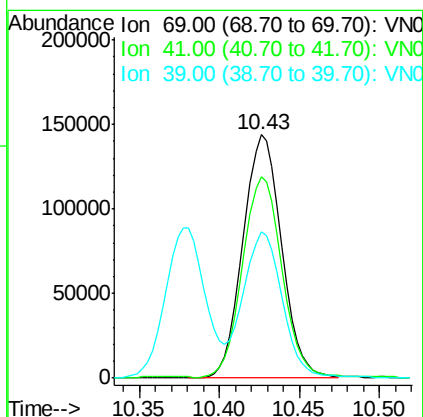
Manual Integrations
 APPROVED

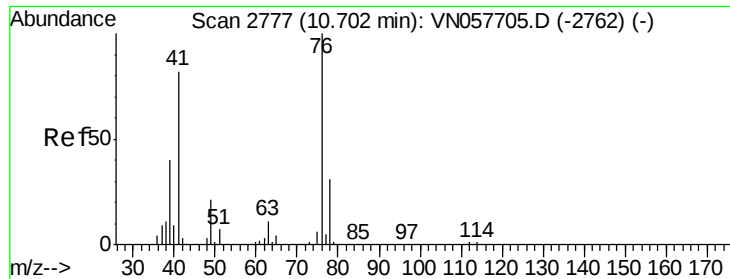
MMDadoda
 9/10/2019 3:03:25 PM



#56
 Ethyl methacrylate
 Concen: 51.170 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Tgt Ion:	69	Resp:	237575
Ion	Ratio	Lower	Upper
69	100		
41	83.7	69.0	103.4
39	60.7	49.2	73.8





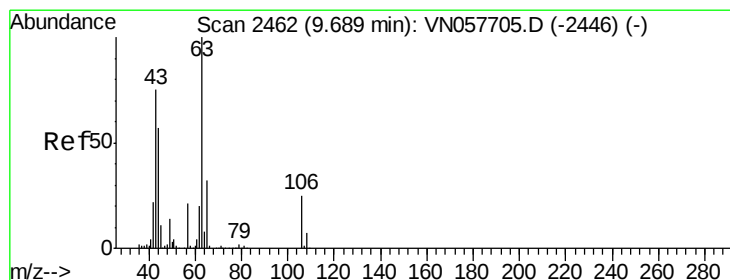
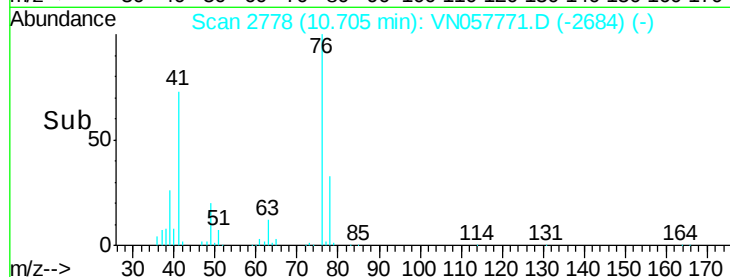
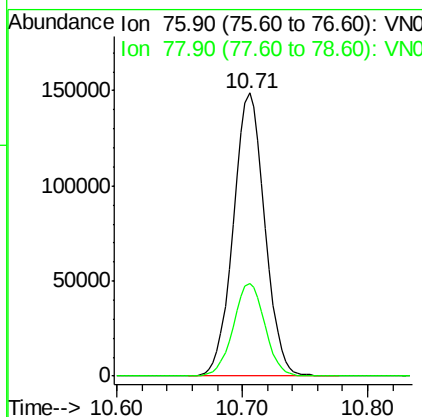
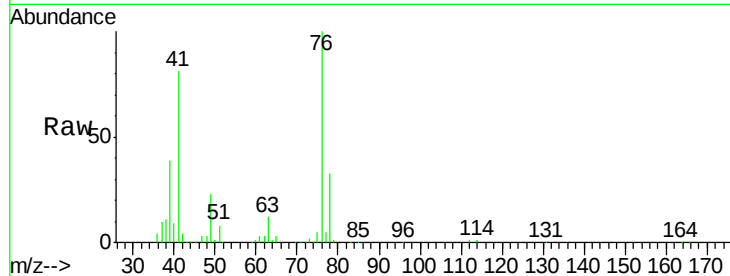
#57
 1,3-Dichloropropane
 Concen: 49.578 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 259051
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.5 38.3

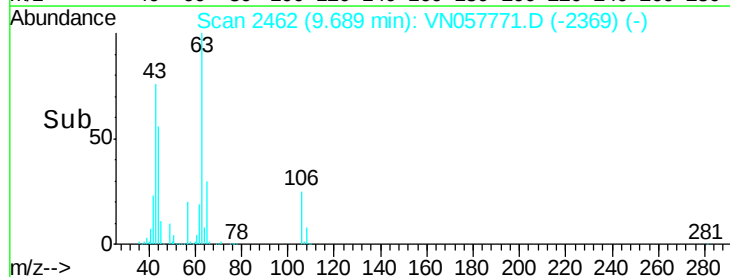
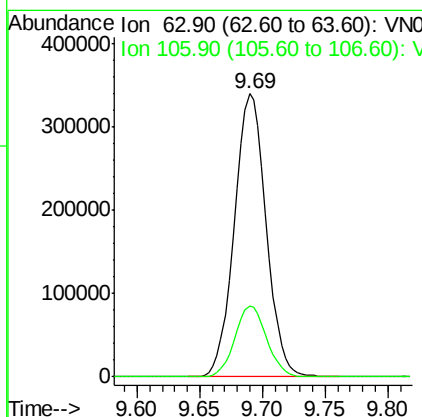
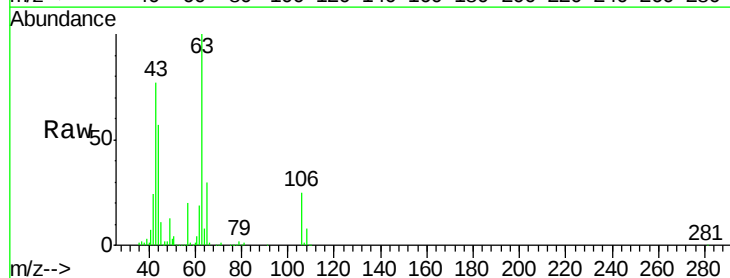
Manual Integrations
 APPROVED

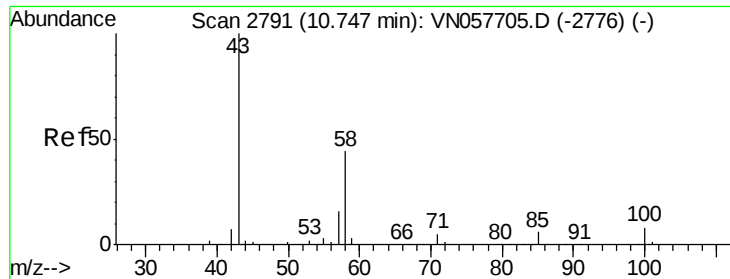
MMDadoda
 9/10/2019 3:03:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.706 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Tgt Ion: 63 Resp: 597600
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.4 29.2





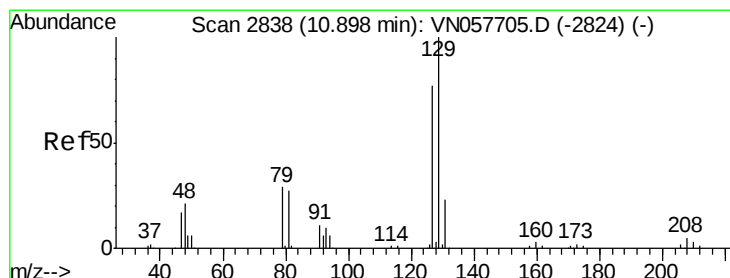
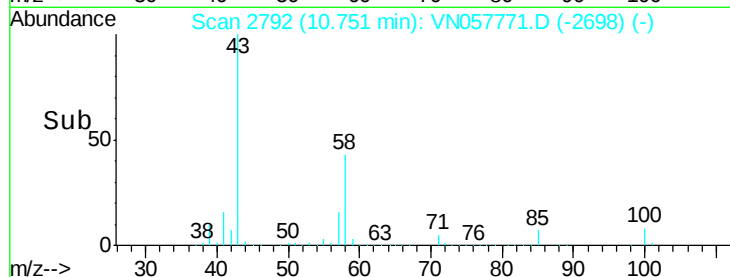
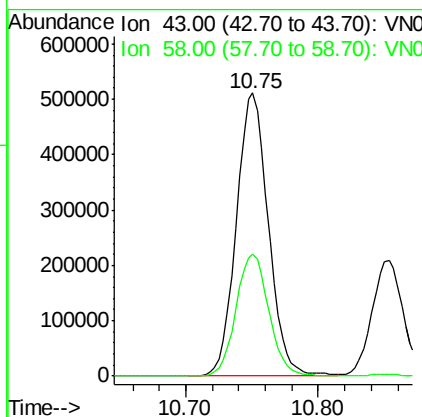
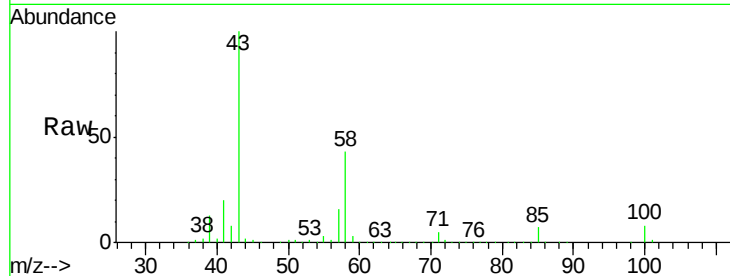
#59
2-Hexanone
Concen: 271.477 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 854170
Ion Ratio Lower Upper
43 100
58 44.4 22.1 66.5

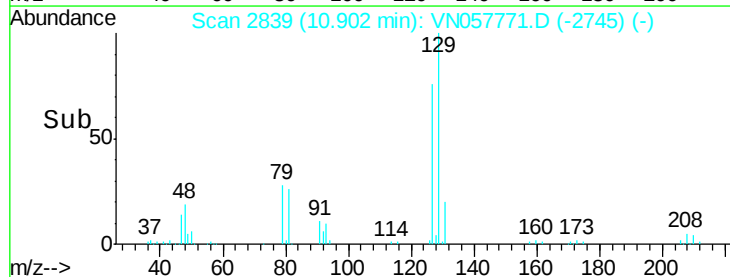
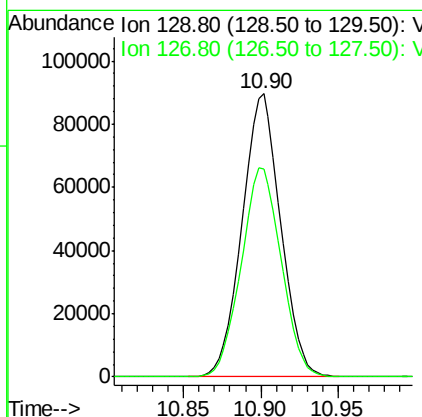
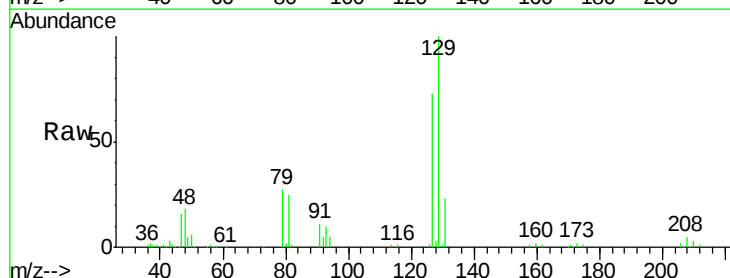
Manual Integrations
APPROVED

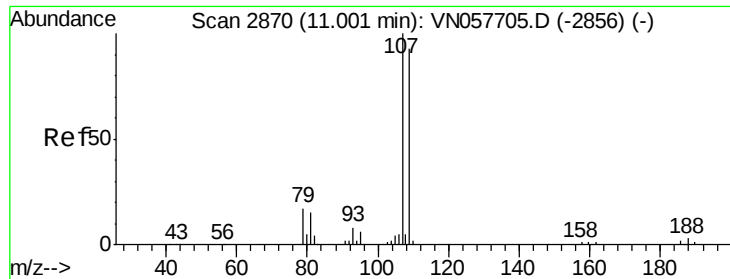
MMDadoda
9/10/2019 3:03:25 PM



#60
Dibromochloromethane
Concen: 49.713 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion: 129 Resp: 155893
Ion Ratio Lower Upper
129 100
127 76.3 38.4 115.2





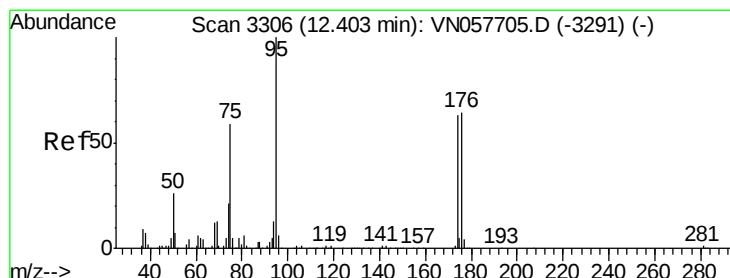
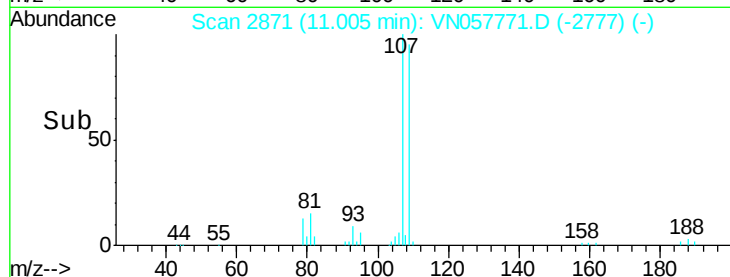
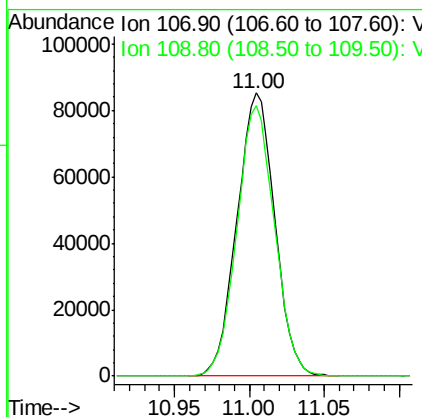
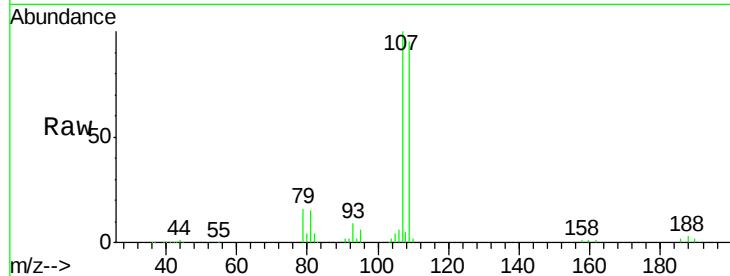
#61
 1,2-Dibromoethane
 Concen: 53.708 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	74.6	112.0

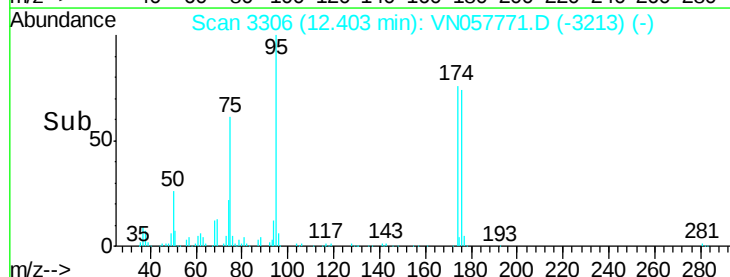
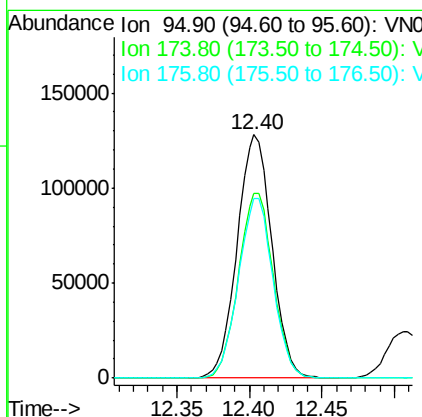
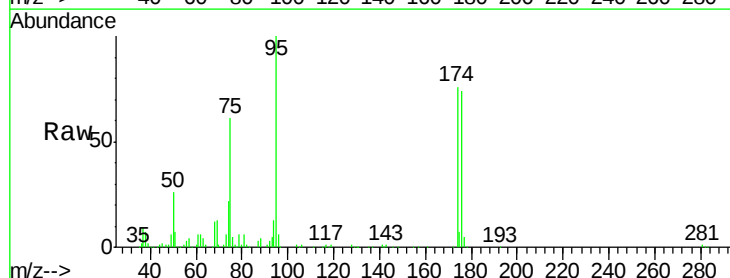
Manual Integrations
 APPROVED

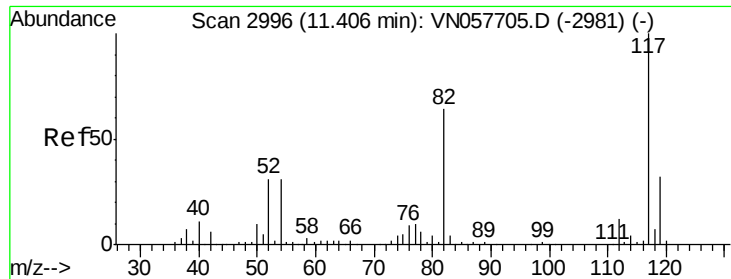
MMDadoda
 9/10/2019 3:03:25 PM



#62
 4-Bromofluorobenzene
 Concen: 48.015 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	128.0
176	73.7	0.0	128.0





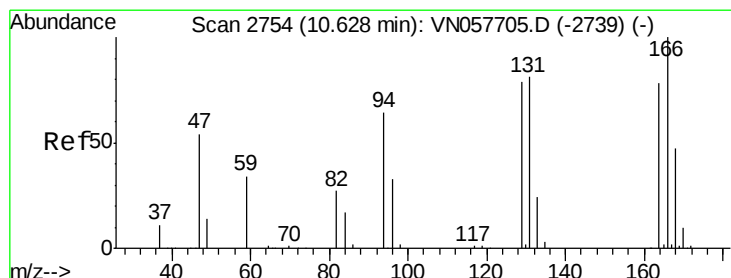
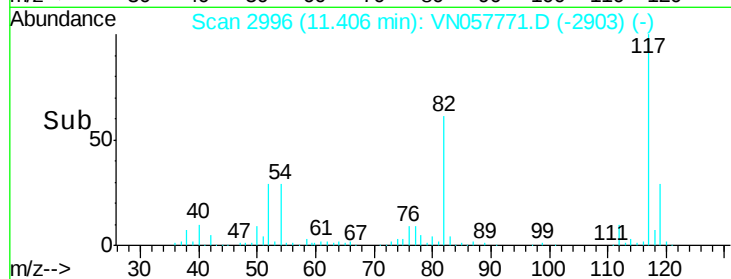
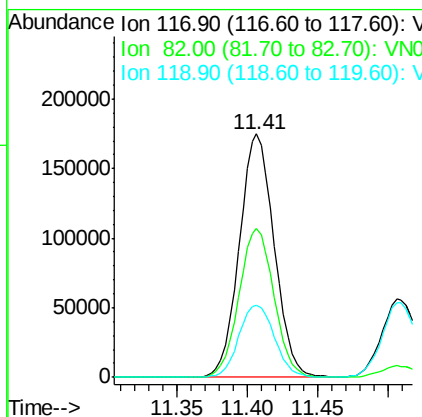
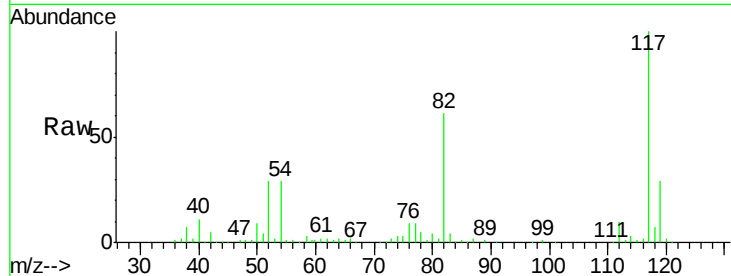
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	51.4	77.0
119	29.5	25.4	38.2

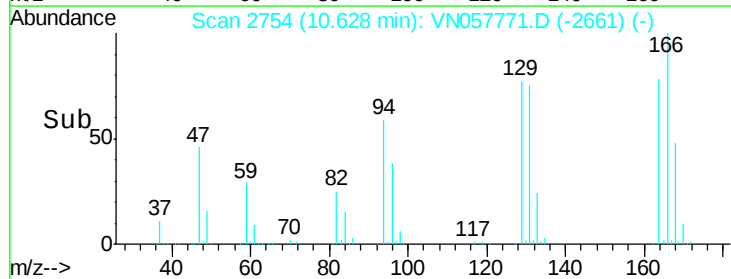
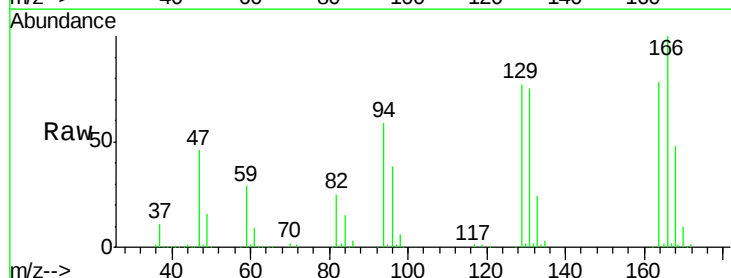
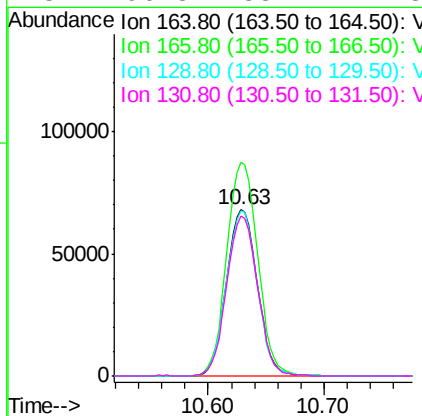
Manual Integrations
APPROVED

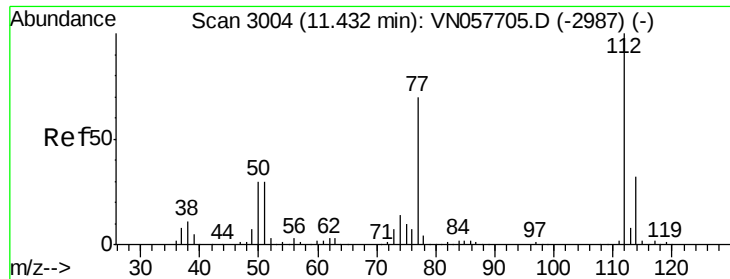
MMDadoda
9/10/2019 3:03:25 PM



#64
Tetrachloroethene
Concen: 53.241 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	103.0	154.6
129	99.8	81.1	121.7
131	96.8	83.2	124.8





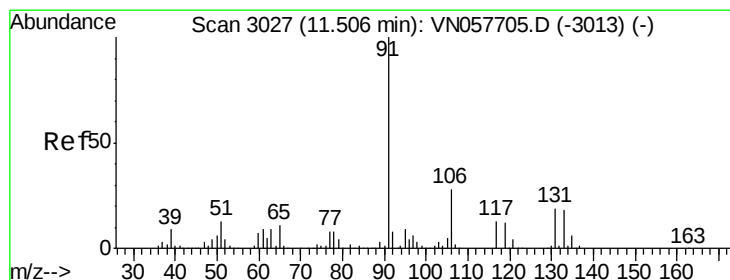
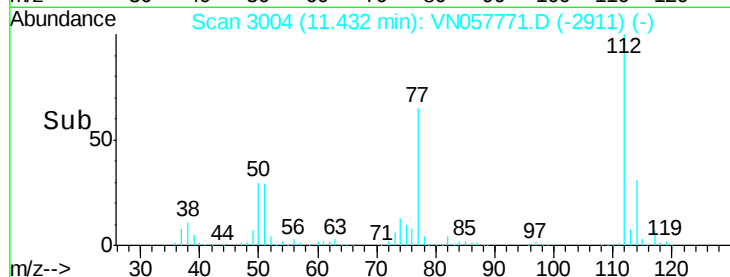
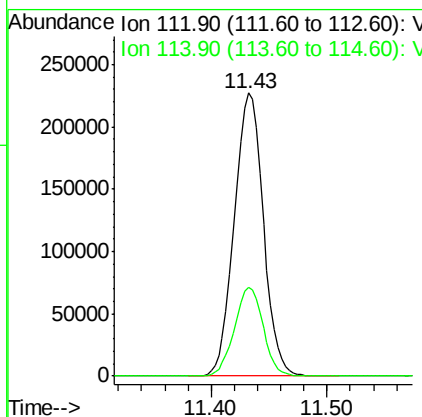
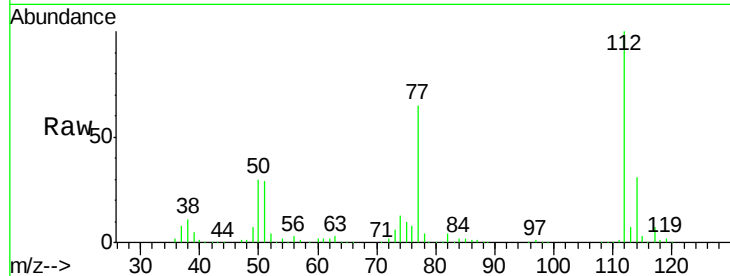
#65
Chlorobenzene
Concen: 49.841 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 393143
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.8

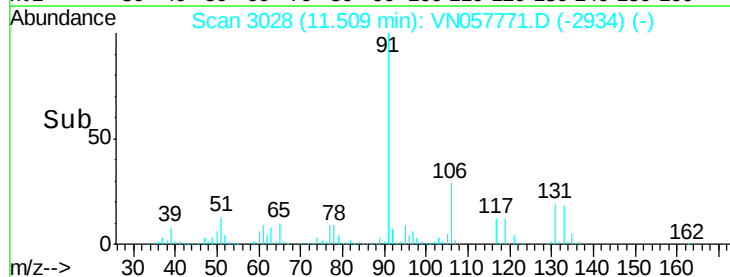
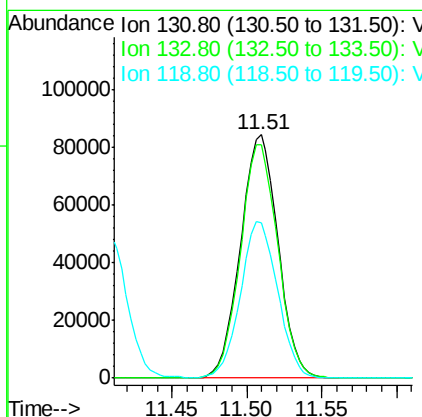
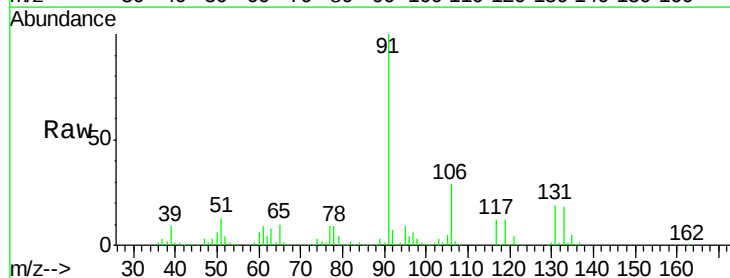
Manual Integrations
APPROVED

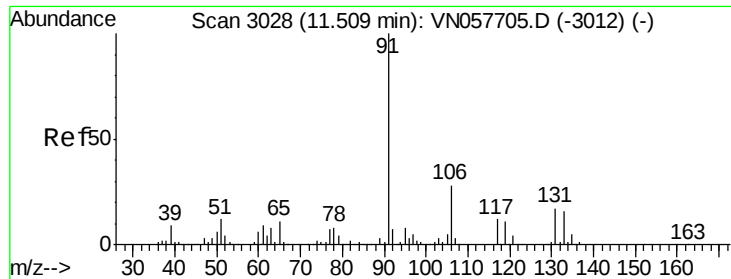
MMDadoda
9/10/2019 3:03:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.595 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion:131 Resp: 147100
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.9
119 63.8 32.8 98.3





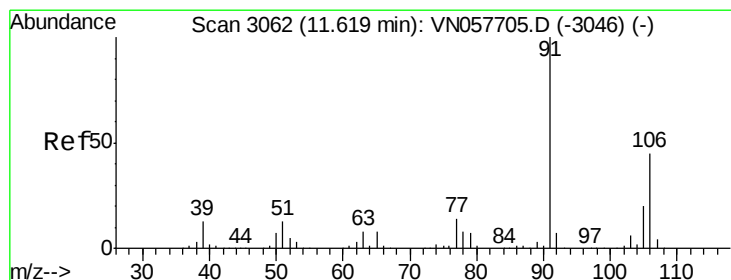
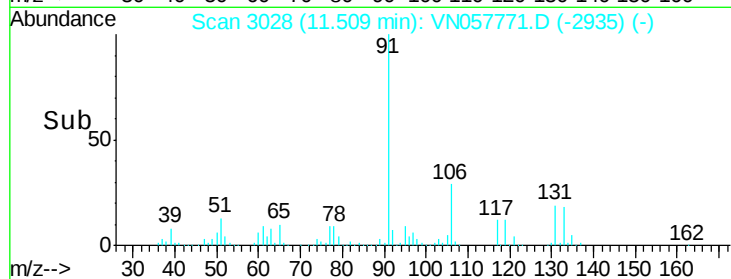
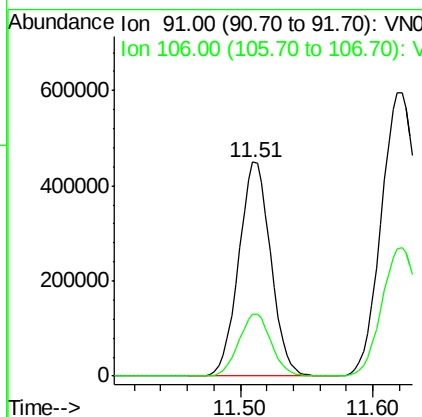
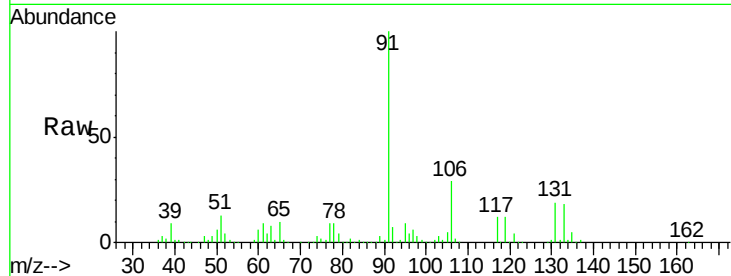
#67
Ethyl Benzene
Concen: 49.519 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 753627
Ion Ratio Lower Upper
91 100
106 28.8 22.8 34.2

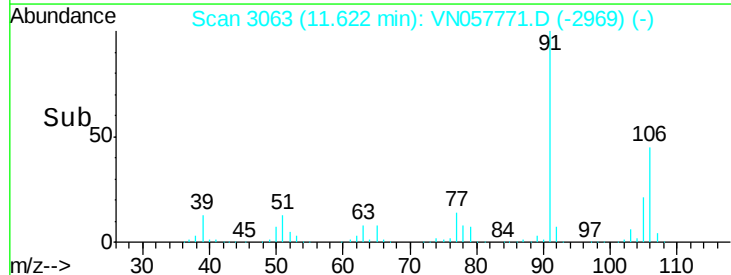
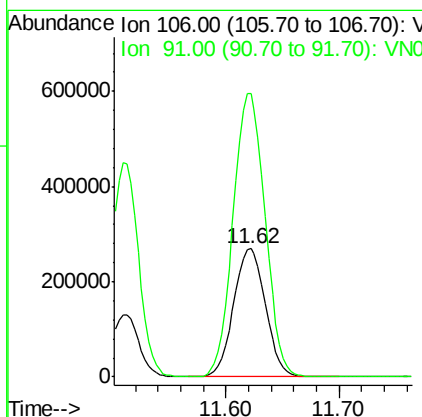
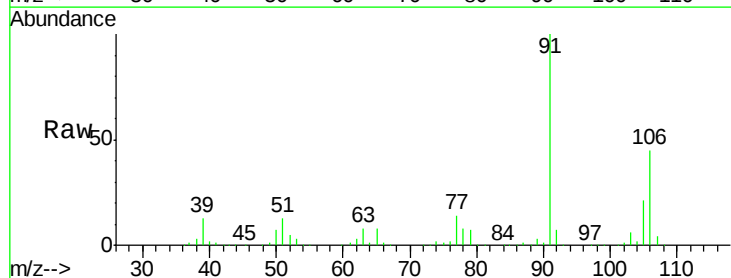
Manual Integrations
APPROVED

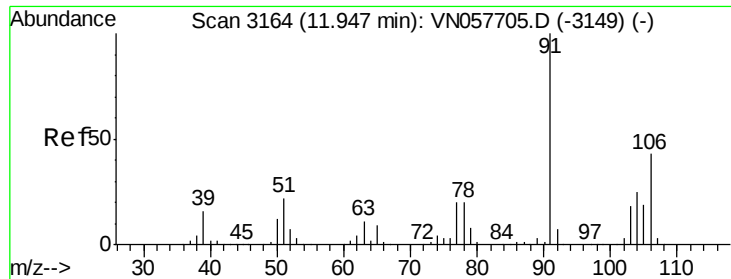
MMDadoda
9/10/2019 3:03:25 PM



#68
m/p-Xylenes
Concen: 100.478 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion: 106 Resp: 526692
Ion Ratio Lower Upper
106 100
91 222.1 179.8 269.8





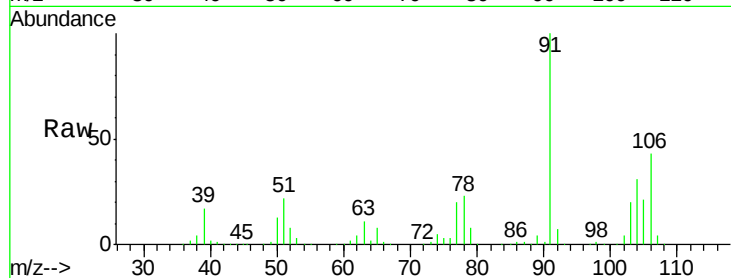
#69
o-Xylene
Concen: 50.617 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

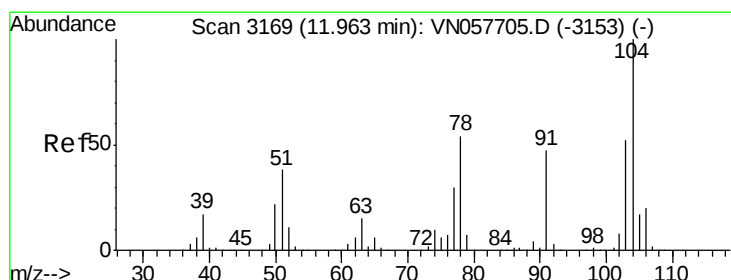
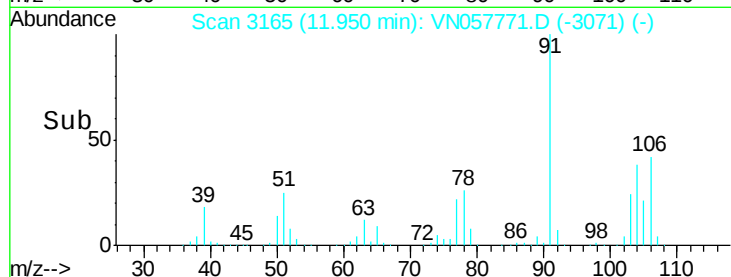
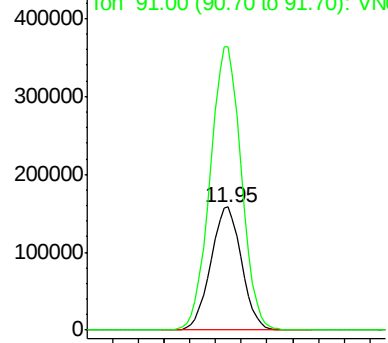
Tot Ion:106 Resp: 262725
Ion Ratio Lower Upper
106 100
91 232.4 116.8 350.4

Manual Integrations
APPROVED

MMDadoda
9/10/2019 3:03:25 PM

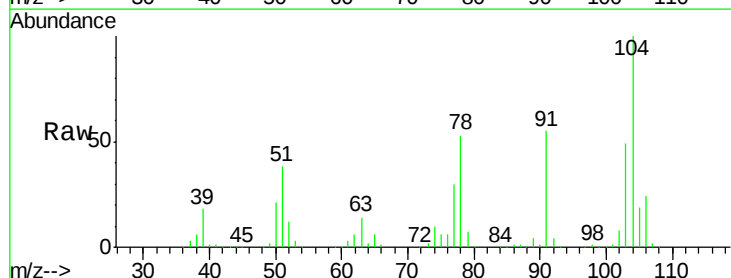


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

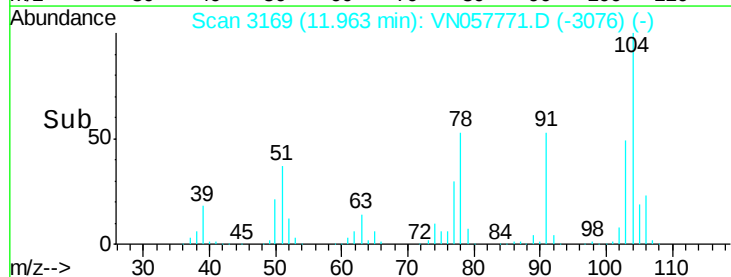
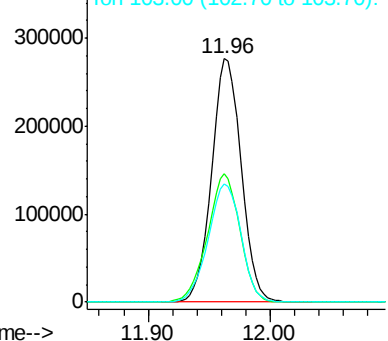


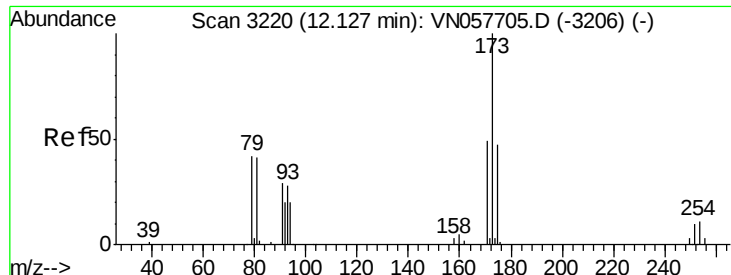
#70
Styrene
Concen: 51.510 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion:104 Resp: 462614
Ion Ratio Lower Upper
104 100
78 58.1 48.5 72.7
103 54.0 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.924 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 102379

Ion Ratio Lower Upper

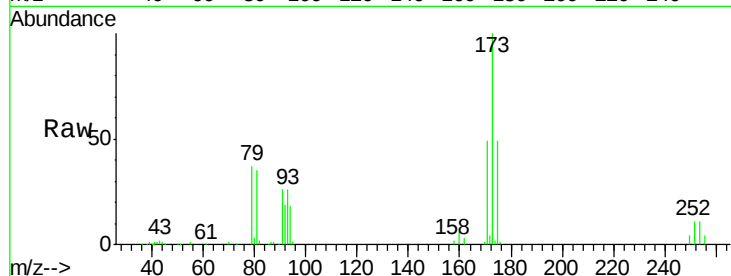
173 100

175 48.5 24.6 73.8

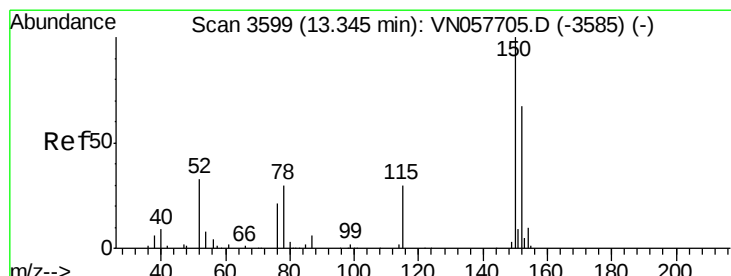
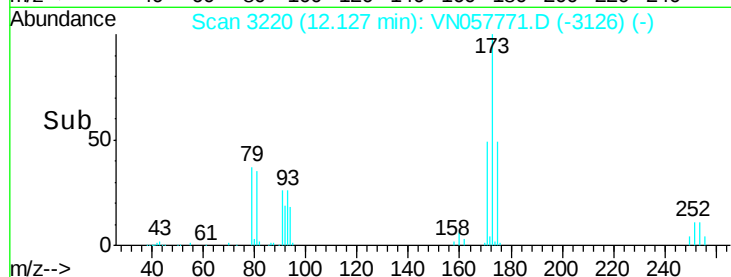
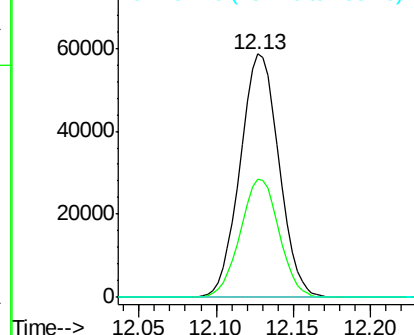
254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda
9/10/2019 3:03:25 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

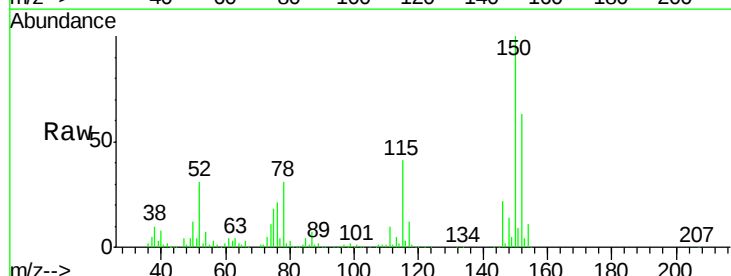
Tgt Ion:152 Resp: 174074

Ion Ratio Lower Upper

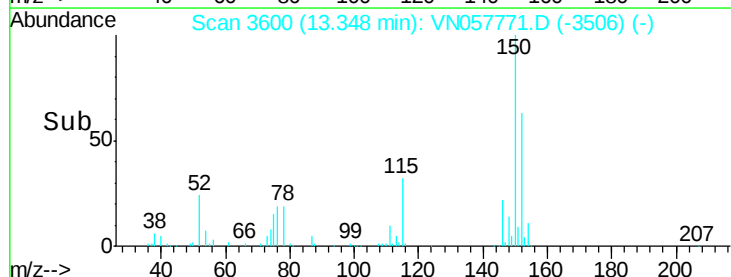
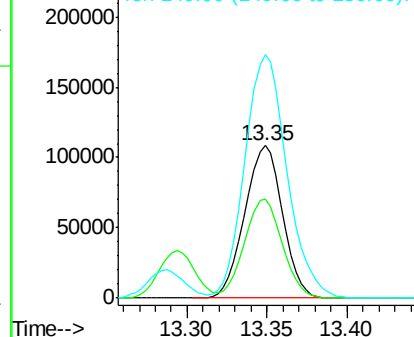
152 100

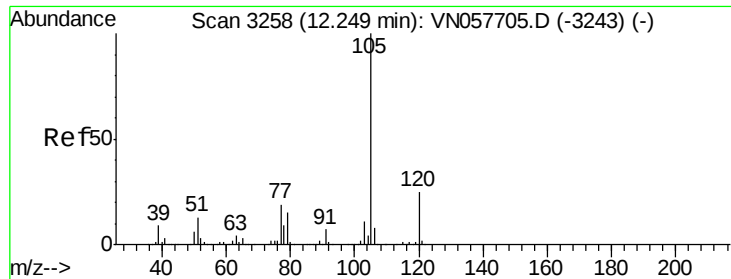
115 65.1 33.8 101.3

150 179.0 0.0 345.4



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





#73

Isopropylbenzene

Concen: 48.528 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 746832

Ion Ratio Lower Upper

105 100

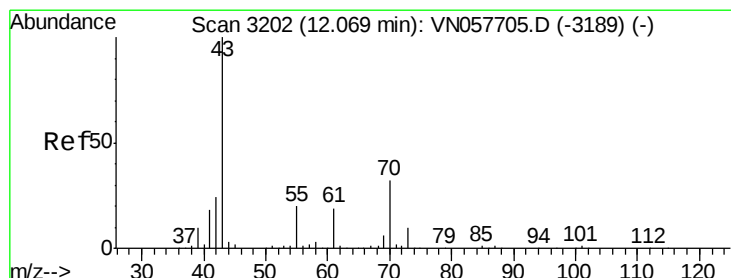
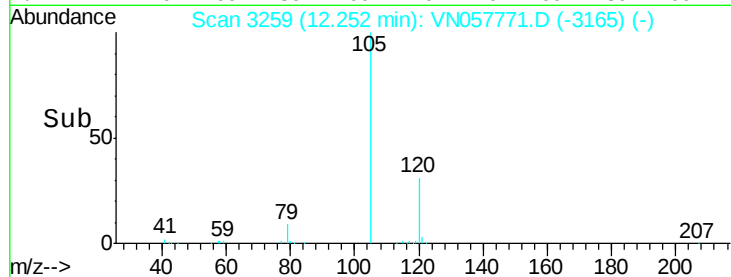
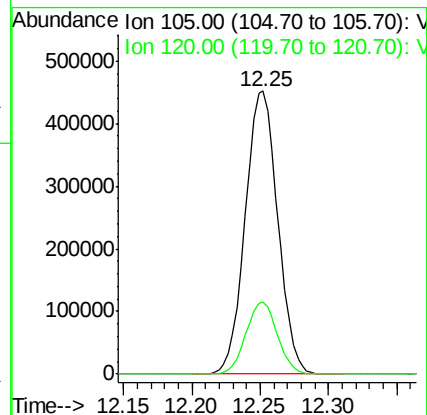
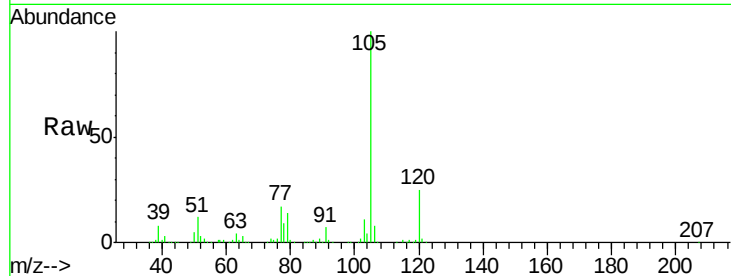
120 24.7 12.2 36.6

Manual Integrations

APPROVED

MMDadoda

9/10/2019 3:03:25 PM



#74

N-ethyl acetate

Concen: 46.321 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Tgt Ion: 43 Resp: 356109

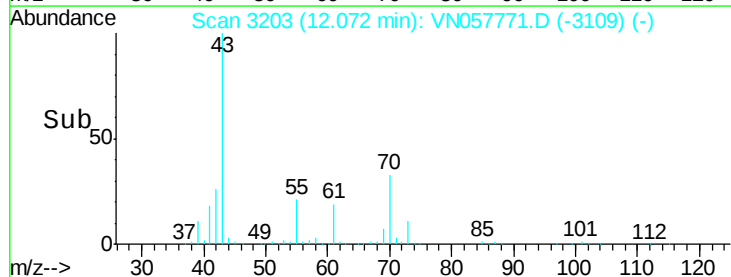
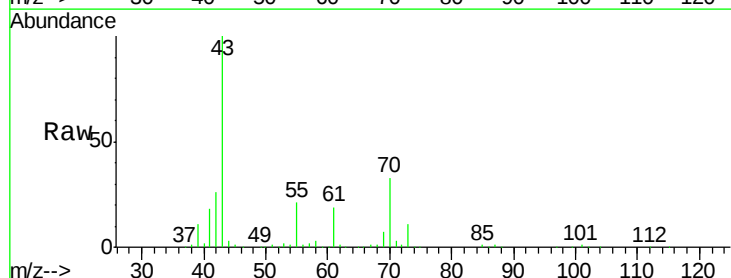
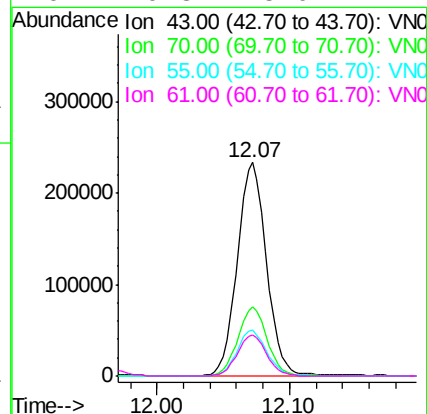
Ion Ratio Lower Upper

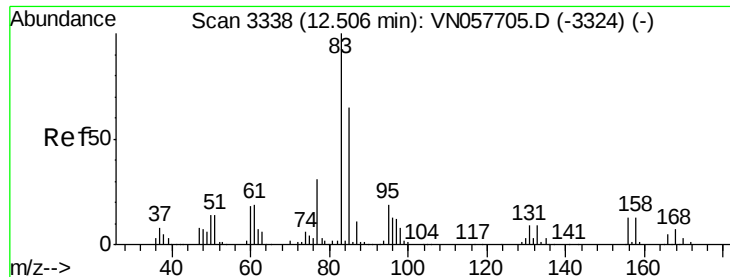
43 100

70 32.5 26.1 39.1

55 22.2 16.3 24.5

61 19.3 15.0 22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.308 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Instrument :

MSVOA_N

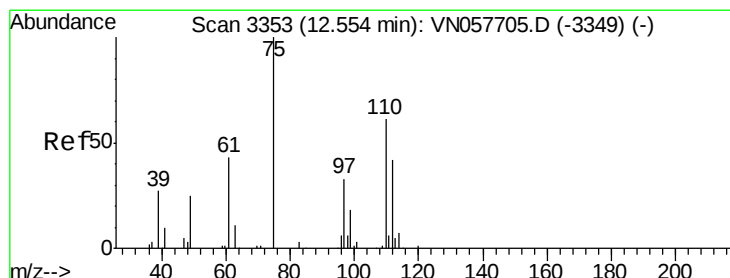
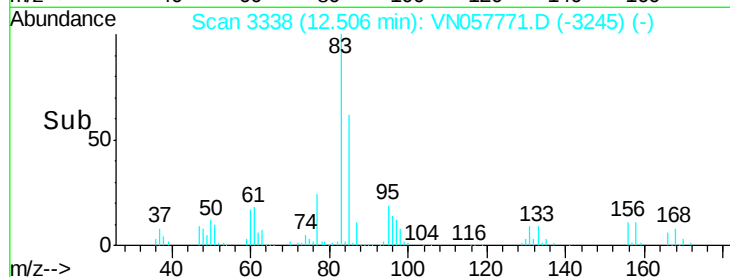
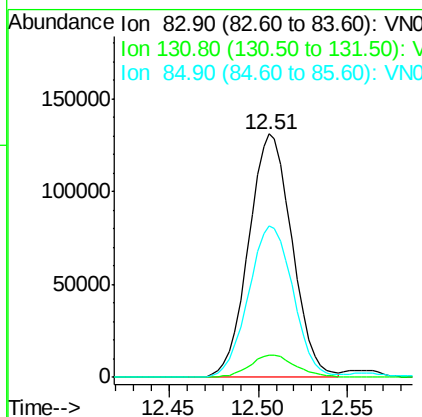
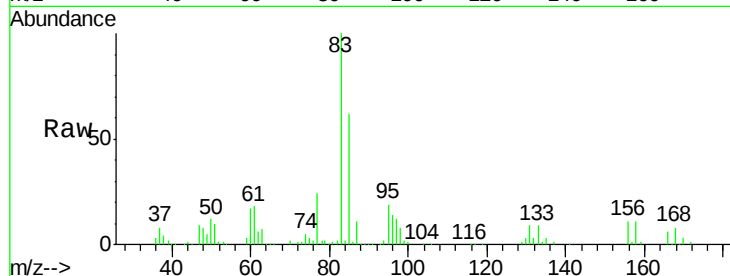
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	222930
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.5	13.5
85	63.9	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
9/10/2019 3:03:25 PM



#76

1,2,3-Trichloropropane

Concen: 51.083 ug/l m

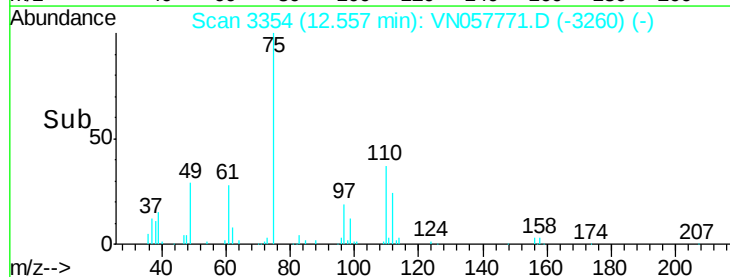
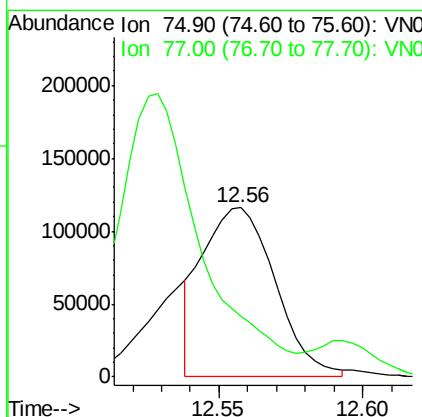
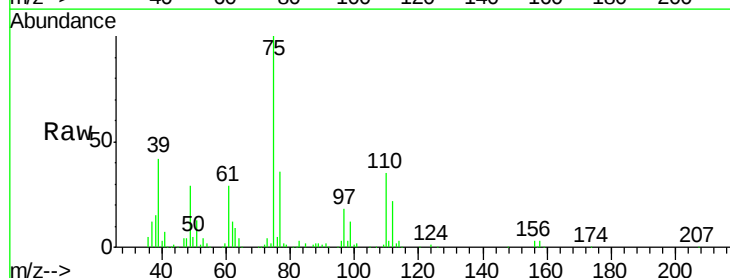
RT: 12.56 min Scan# 3354

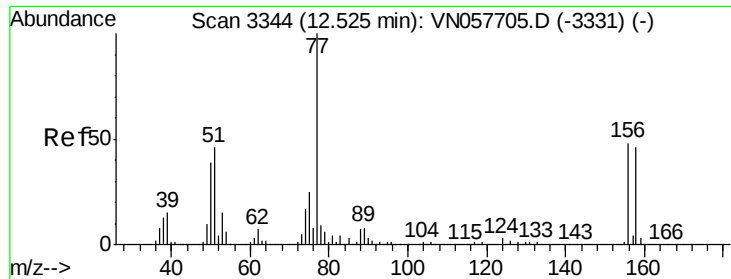
Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Tgt Ion:	75	Resp:	204197
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.692 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Instrument :

MSVOA_N

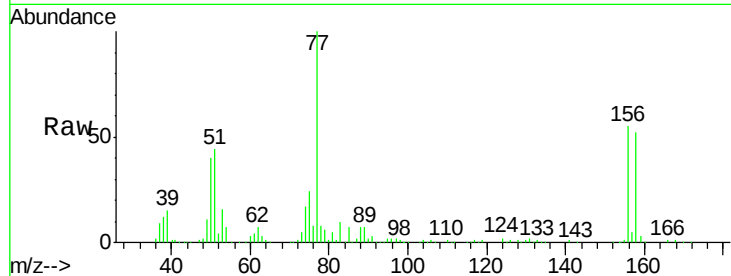
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	176172
Ion Ratio	Lower	Upper	
156	100		
77	222.7	125.4	376.2
158	96.3	49.3	147.9

Manual Integrations
APPROVED

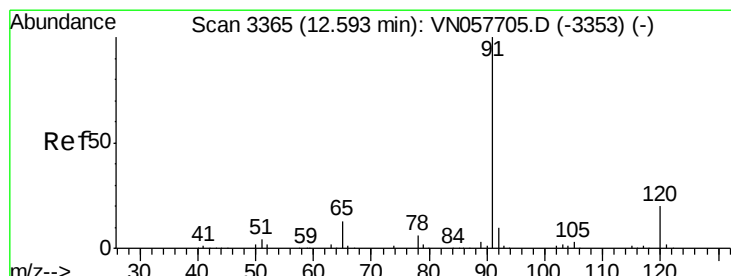
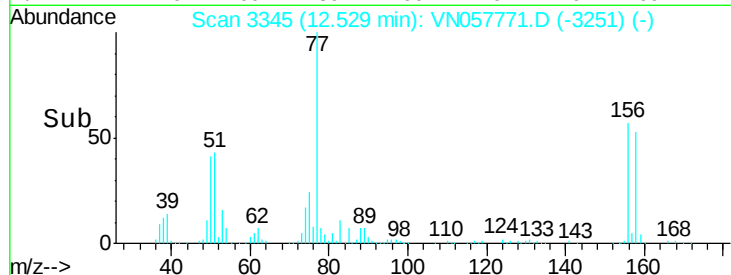
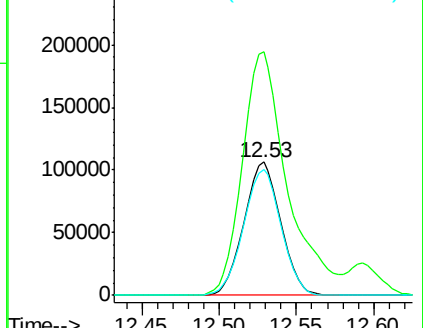
MMDadoda
9/10/2019 3:03:25 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.727 ug/l

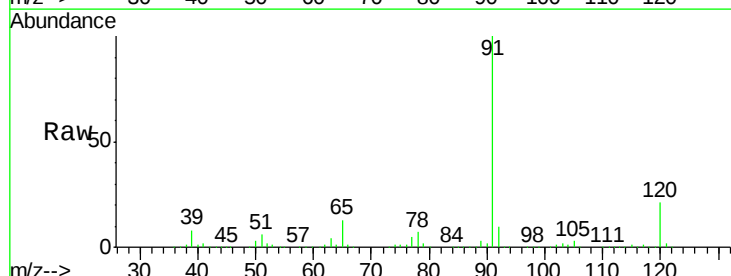
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057771.D

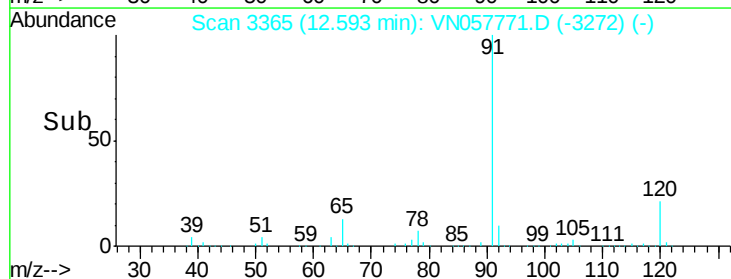
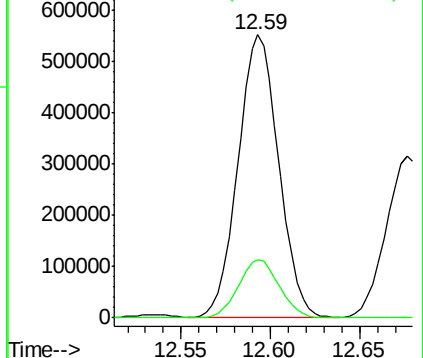
Acq: 7 Sep 2019 21:43

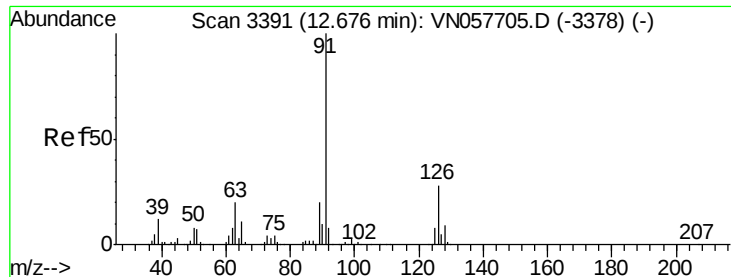
Tgt Ion:	91	Resp:	872659
Ion Ratio	Lower	Upper	
91	100		
120	20.7	10.0	30.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.850 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 521485

Ion Ratio Lower Upper

91 100

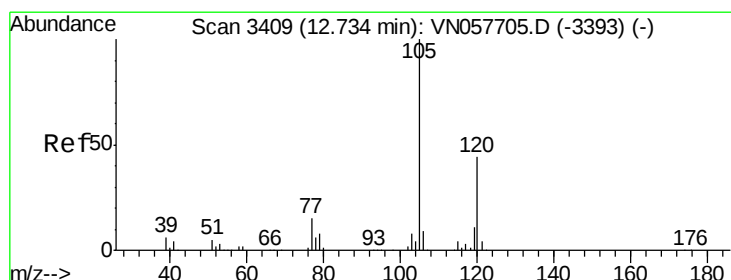
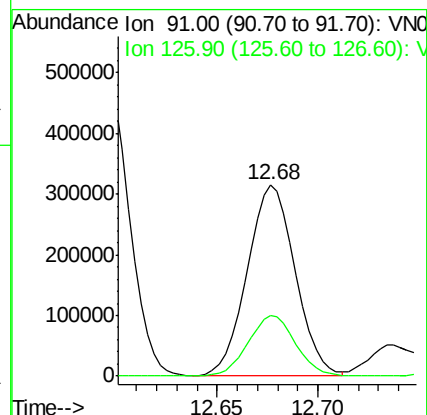
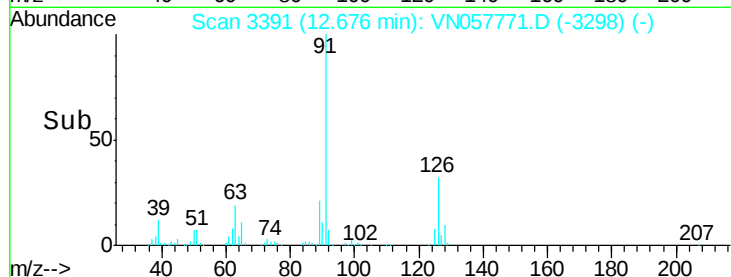
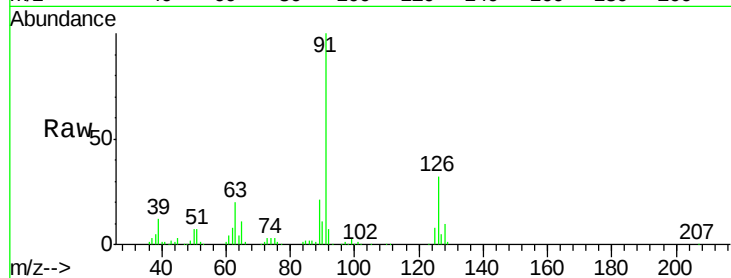
126 31.6 14.5 43.5

Manual Integrations

APPROVED

MMDadoda

9/10/2019 3:03:25 PM



#80

1,3,5-Trimethylbenzene

Concen: 48.806 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057771.D

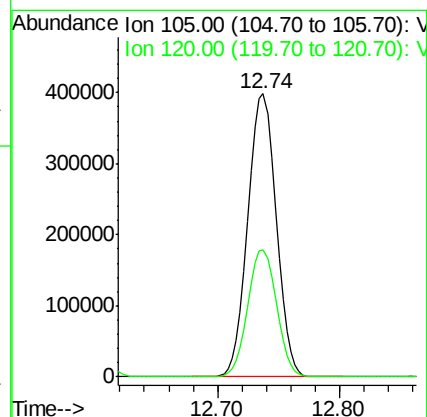
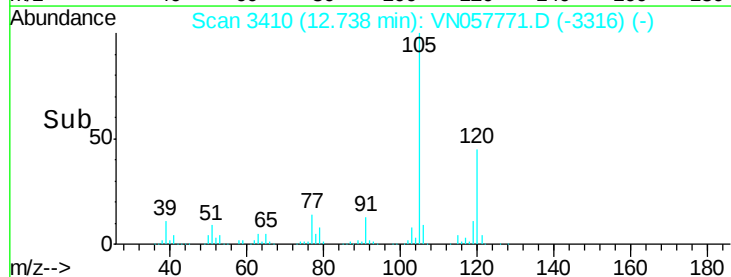
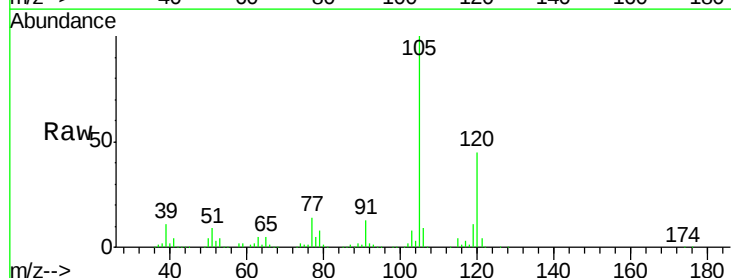
Acq: 7 Sep 2019 21:43

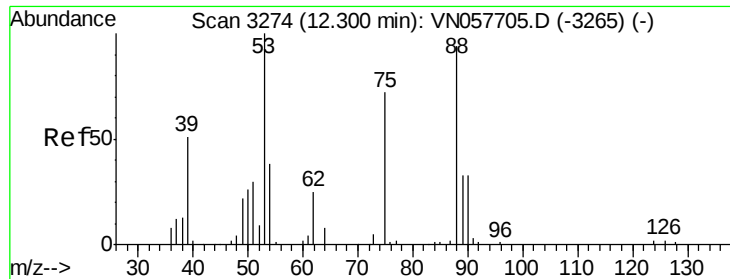
Tgt Ion: 105 Resp: 638057

Ion Ratio Lower Upper

105 100

120 45.5 22.3 66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 41.302 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 53087

Ion Ratio Lower Upper

75 100

53 129.8 107.0 160.6

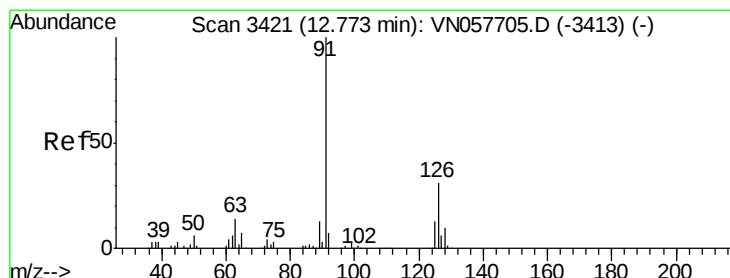
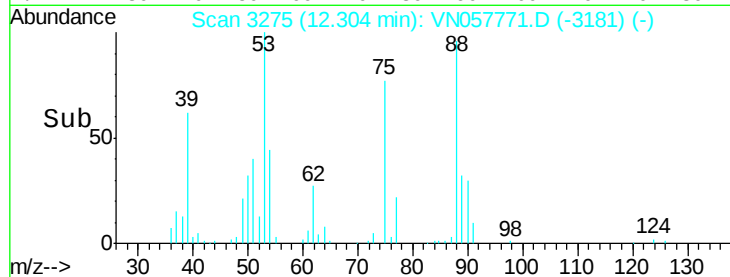
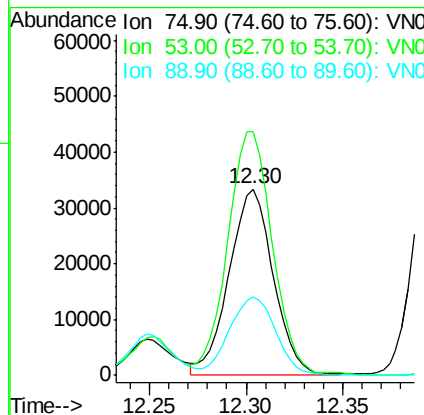
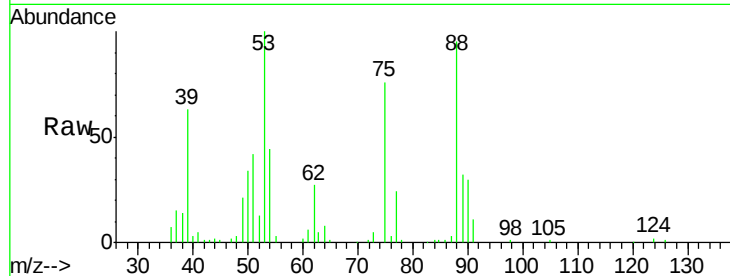
89 44.4 36.5 54.7

Manual Integrations

APPROVED

MMDadoda

9/10/2019 3:03:25 PM



#82

4-Chlorotoluene

Concen: 47.340 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057771.D

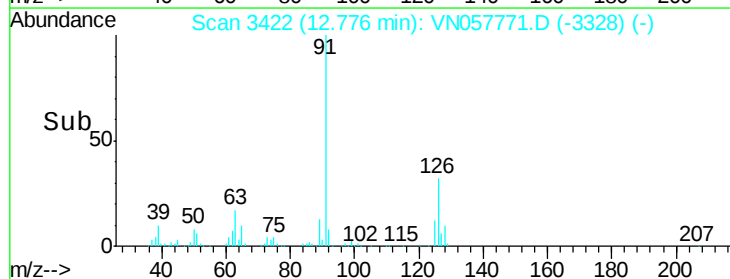
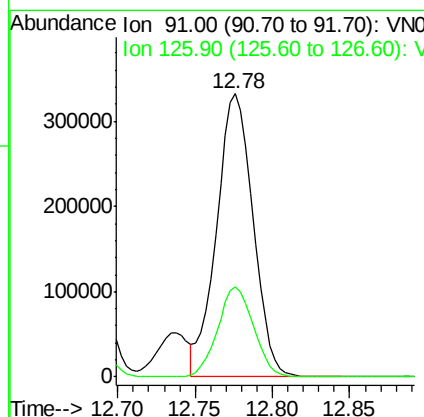
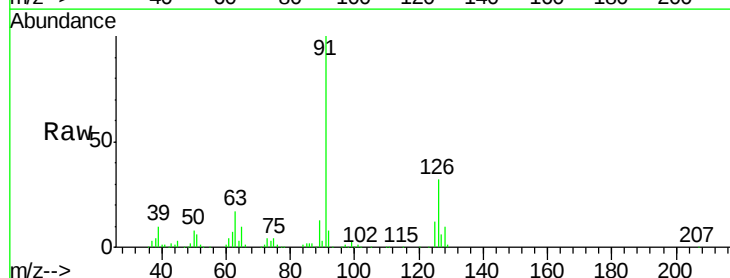
Acq: 7 Sep 2019 21:43

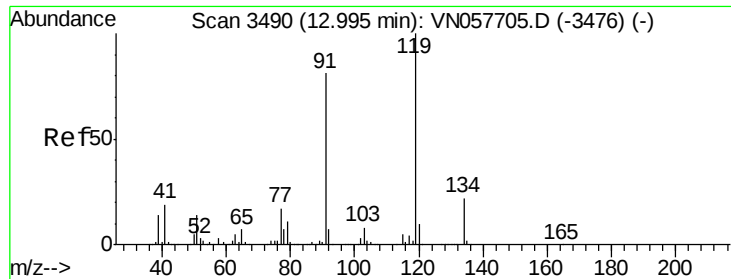
Tgt Ion: 91 Resp: 542695

Ion Ratio Lower Upper

91 100

126 31.3 14.4 43.4





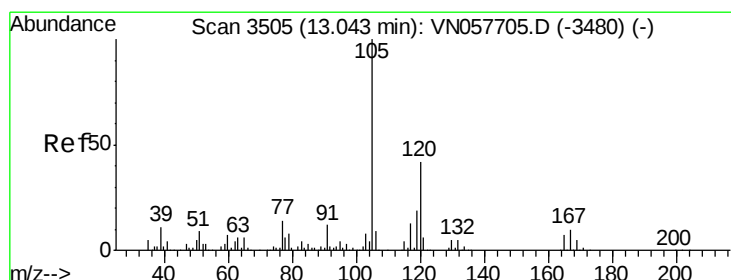
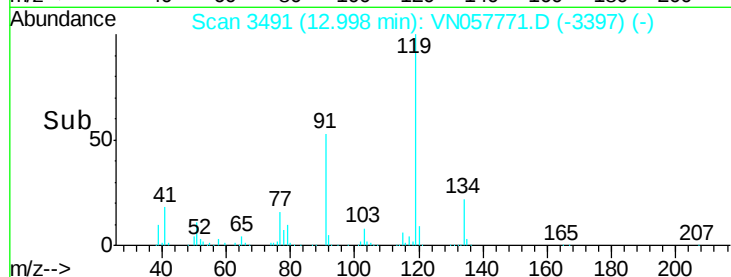
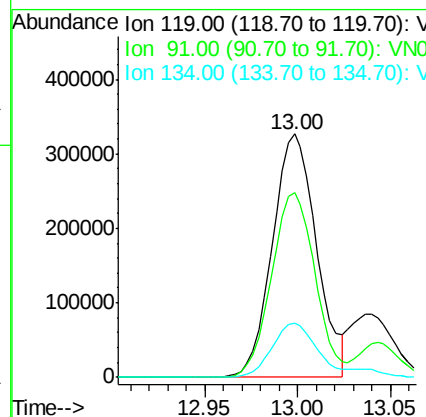
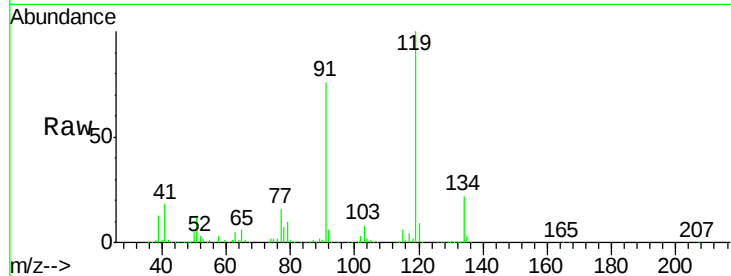
#83
 tert-Butylbenzene
 Concen: 49.084 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	540955		
91	75.4	39.6	118.8	
134	22.7	11.3	33.8	

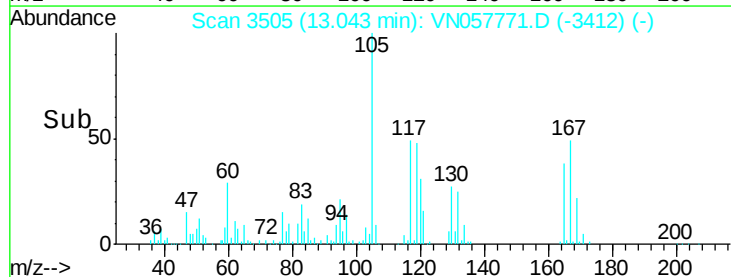
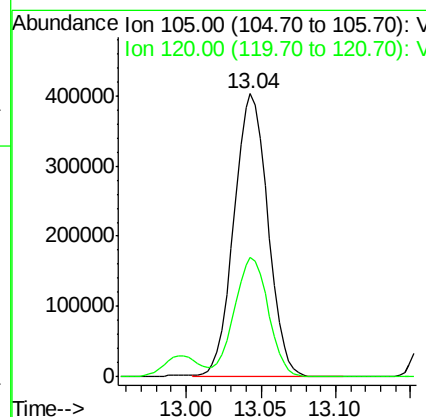
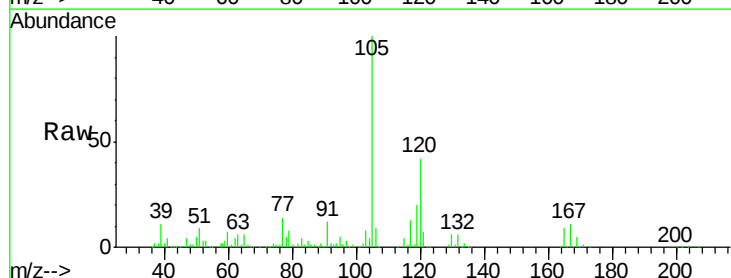
Manual Integrations
 APPROVED

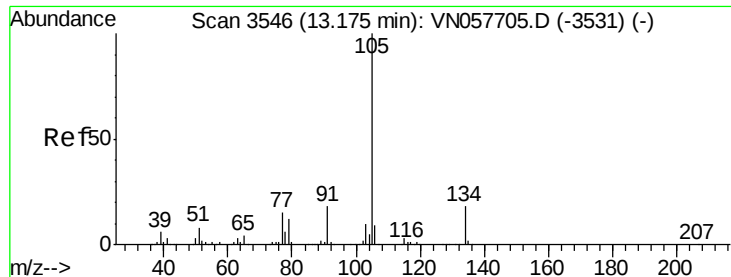
MMDadoda
 9/10/2019 3:03:25 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.050 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	635191		
120	42.6	20.8	62.5	





#85

sec-Butylbenzene

Concen: 47.849 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 726520

Ion Ratio Lower Upper

105 100

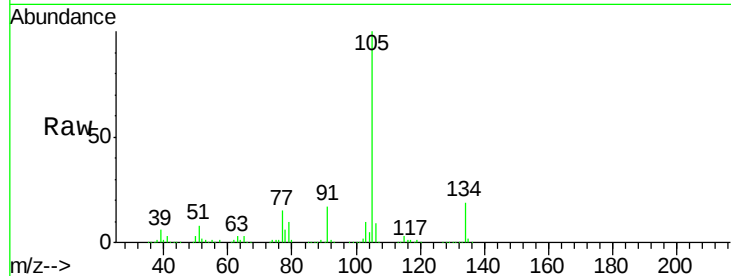
134 18.7 8.8 26.5

Manual Integrations

APPROVED

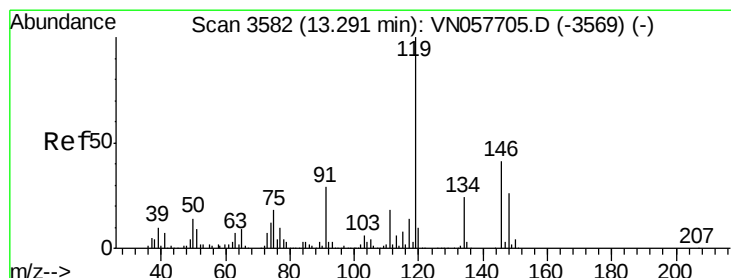
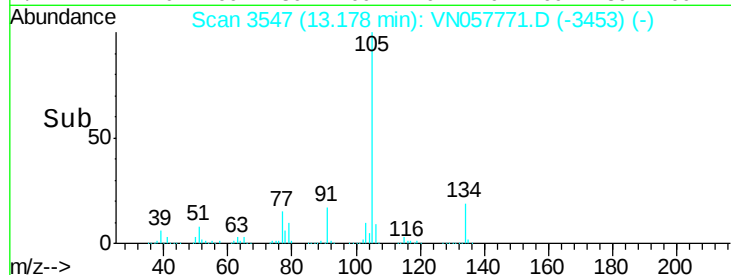
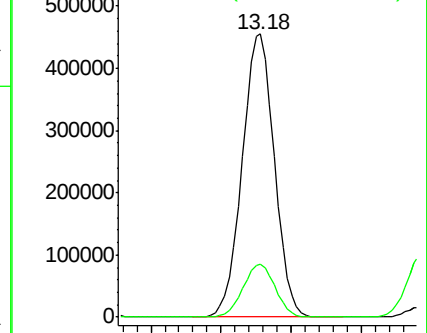
MMDadoda

9/10/2019 3:03:25 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.252 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

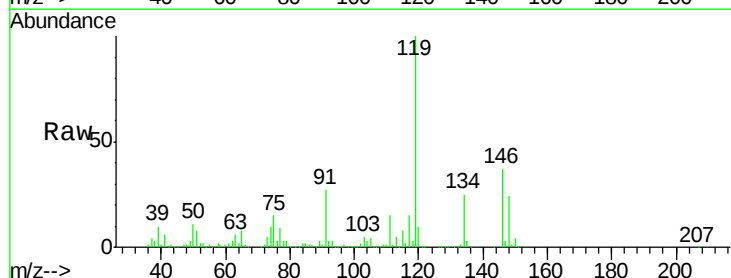
Tgt Ion:119 Resp: 646638

Ion Ratio Lower Upper

119 100

134 25.1 12.4 37.0

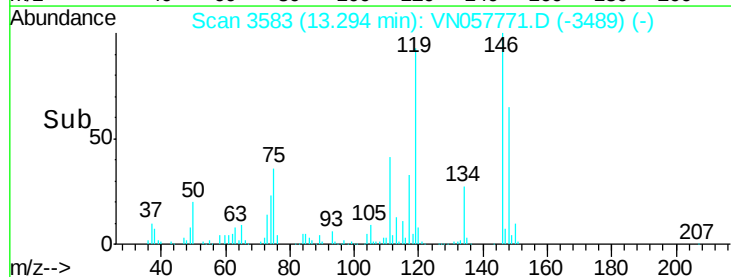
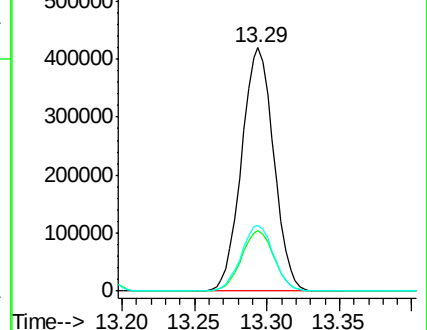
91 27.1 14.8 44.3

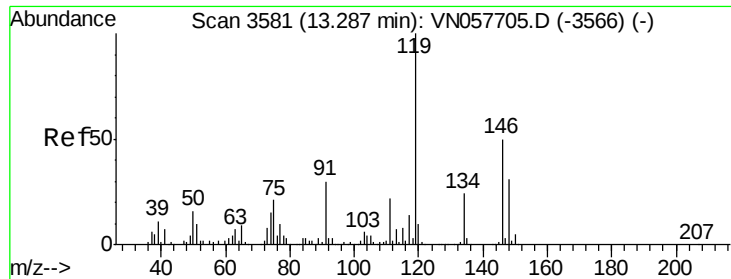


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





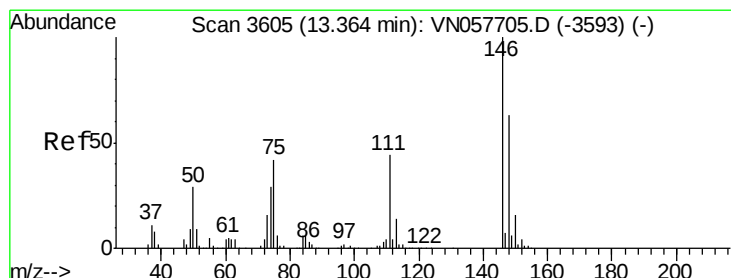
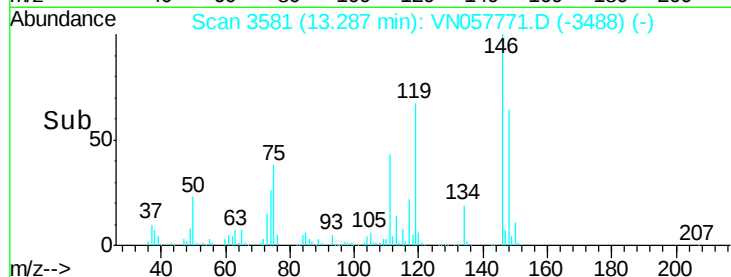
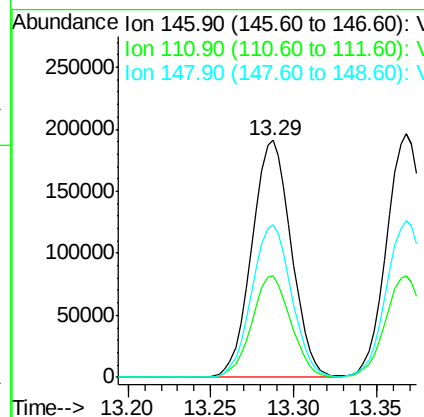
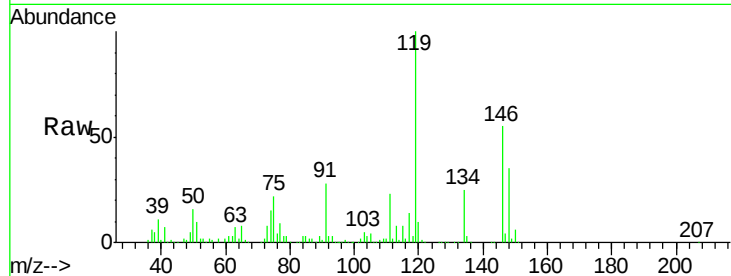
#87
 1,3-Dichlorobenzene
 Concen: 50.455 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	315364		
111	42.1	22.3	66.8	
148	64.8	31.5	94.5	

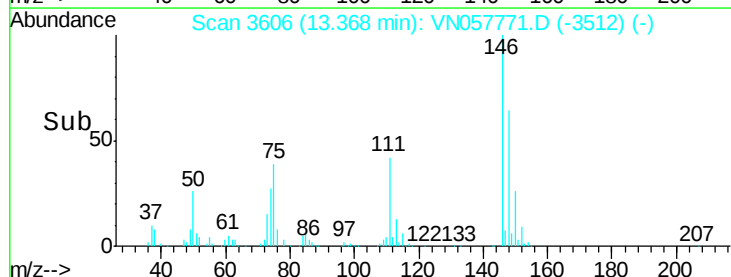
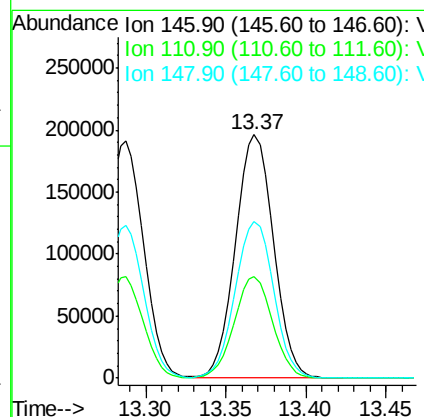
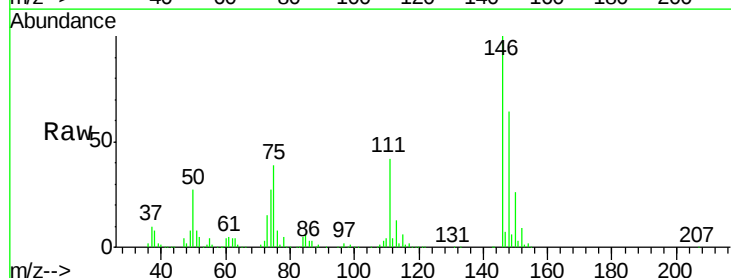
Manual Integrations
 APPROVED

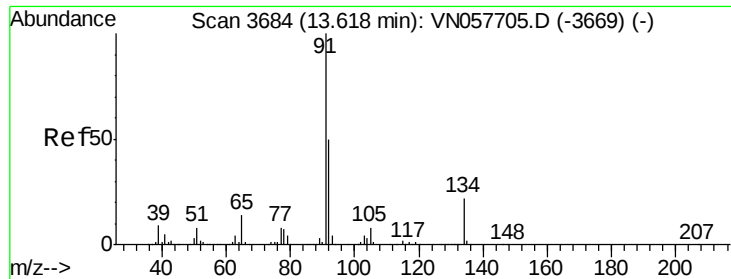
MMDadoda
 9/10/2019 3:03:25 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.737 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	317236		
111	41.9	22.3	66.9	
148	65.0	31.9	95.7	





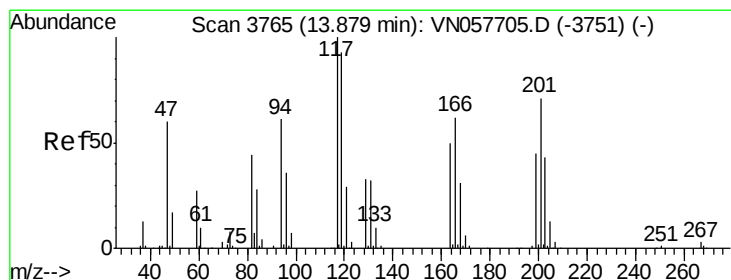
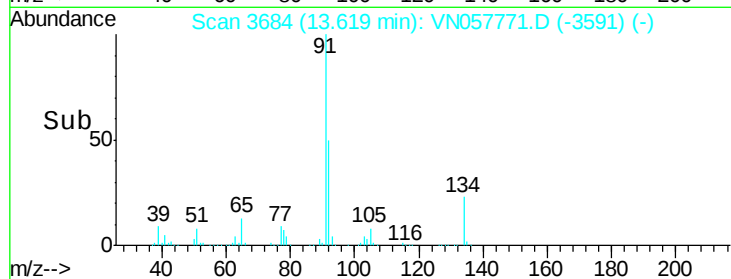
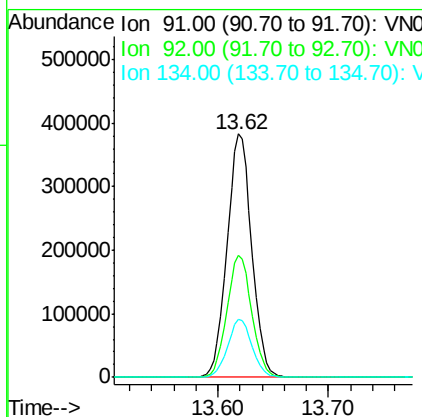
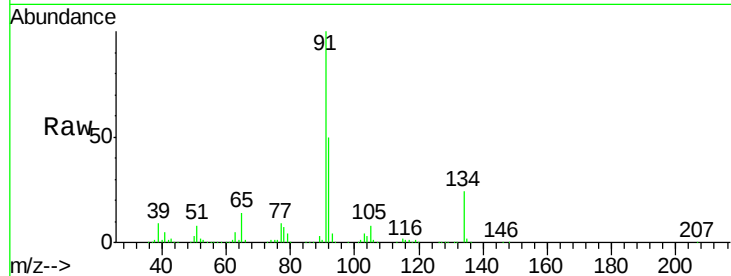
#89
n-Butylbenzene
Concen: 46.639 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	25.6	76.8
134	23.7	11.2	33.5

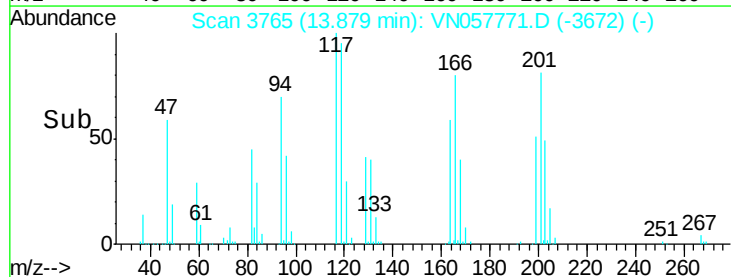
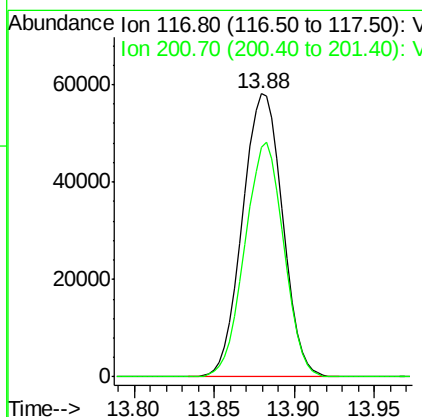
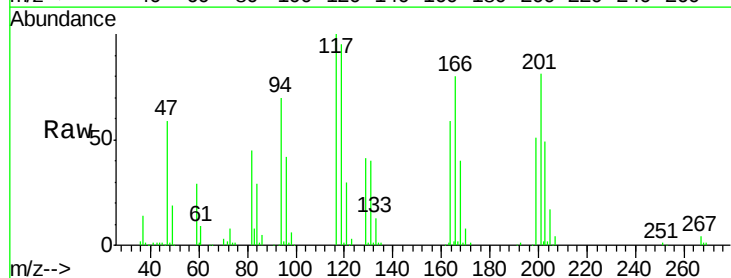
Manual Integrations
APPROVED

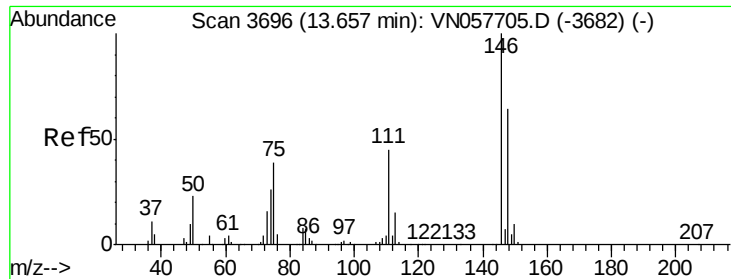
MMDadoda
9/10/2019 3:03:25 PM



#90
Hexachloroethane
Concen: 49.355 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057771.D
Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.5	36.4	109.2





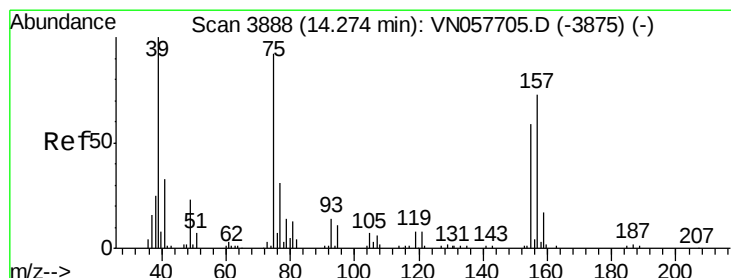
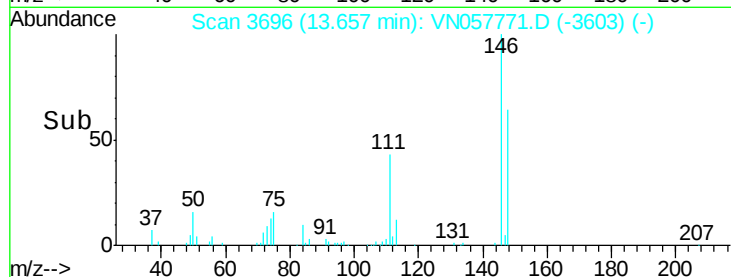
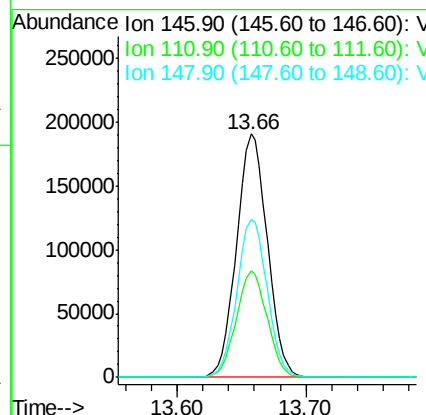
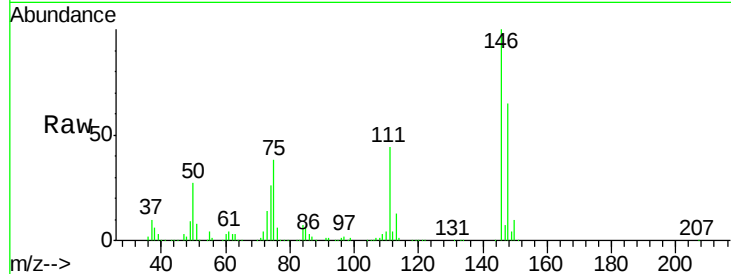
#91
 1,2-Dichlorobenzene
 Concen: 51.490 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	316854		
111	43.6	22.8	68.3	
148	64.1	31.6	95.0	

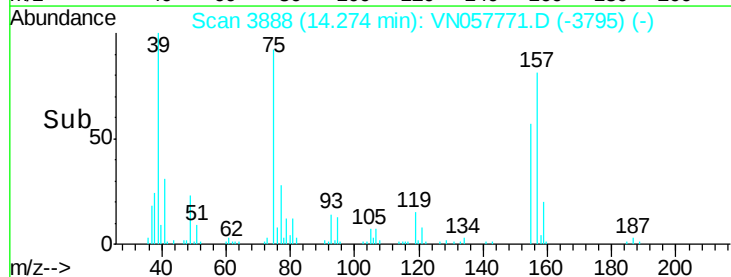
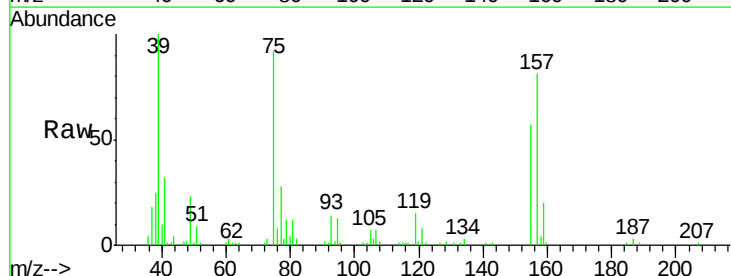
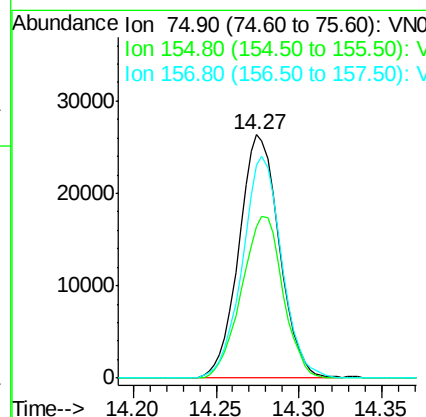
Manual Integrations
 APPROVED

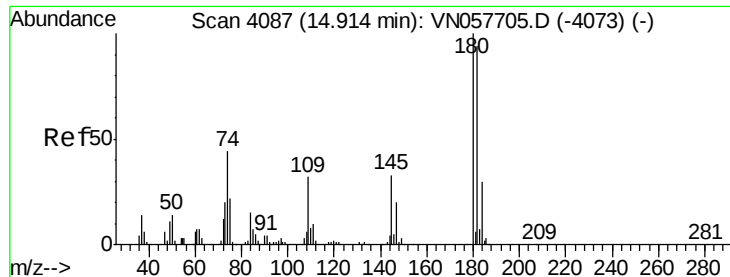
MMDadoda
 9/10/2019 3:03:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.172 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	44704		
155	67.7	30.1	90.5	
157	88.6	38.1	114.5	





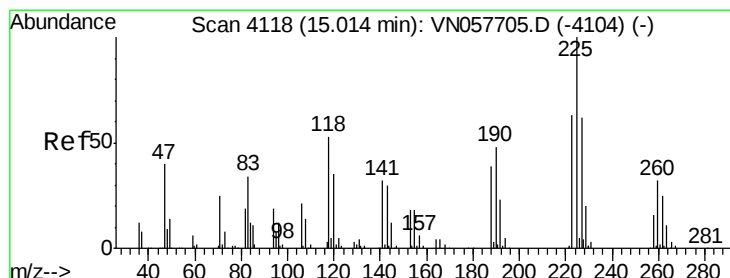
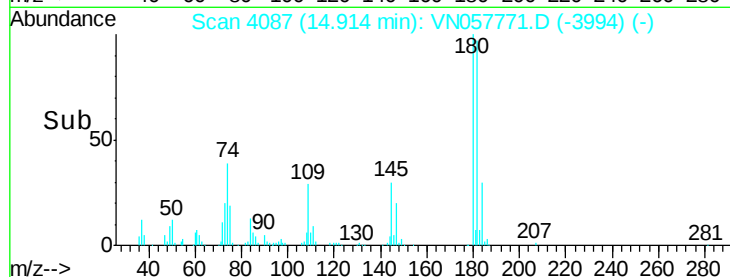
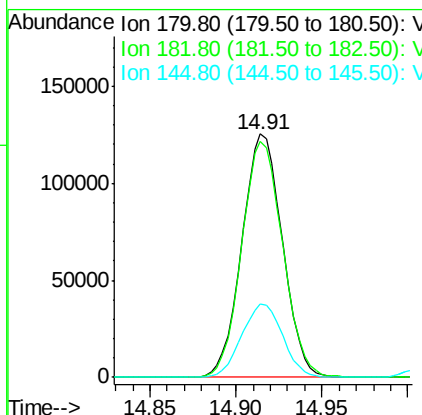
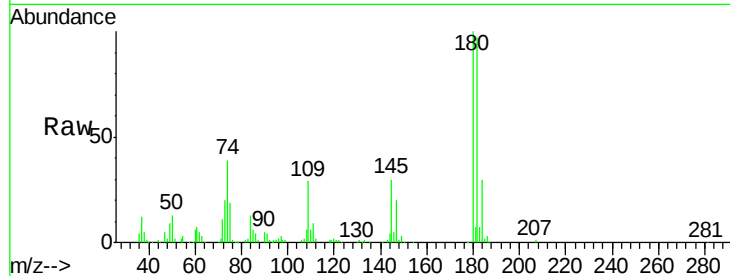
#93
 1,2,4-Trichlorobenzene
 Concen: 55.694 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	205035		
182	98.2	47.6	142.9	
145	30.7	16.6	49.7	

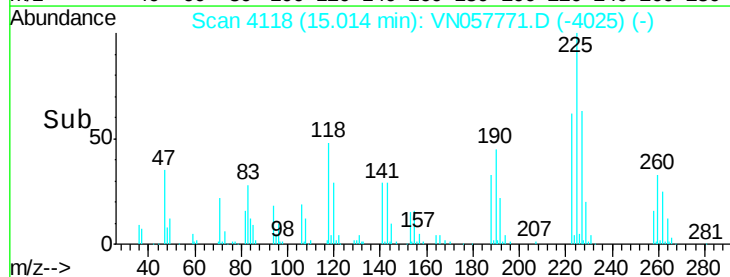
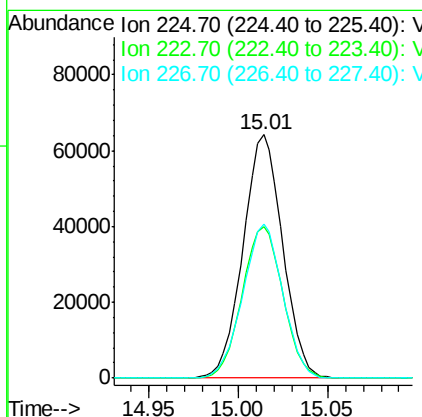
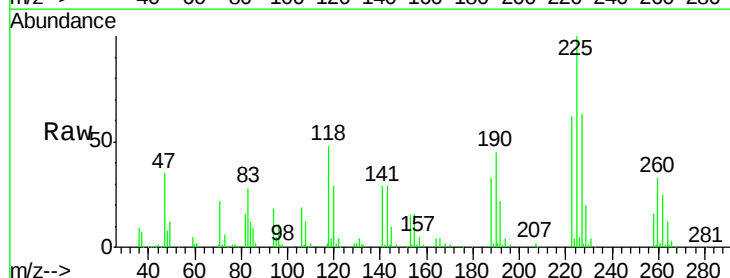
Manual Integrations
 APPROVED

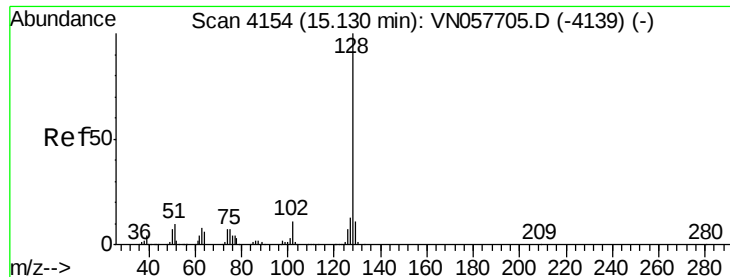
MMDadoda
 9/10/2019 3:03:25 PM



#94
 Hexachlorobutadiene
 Concen: 55.704 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057771.D
 Acq: 7 Sep 2019 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	99955		
223	63.8	31.6	95.0	
227	63.8	31.7	95.1	





#95

Naphthalene

Concen: 52.509 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Instrument :

MSVOA_N

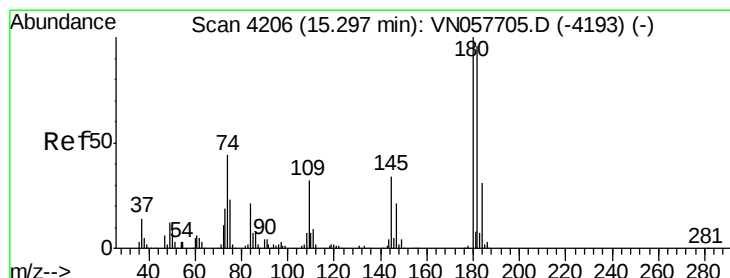
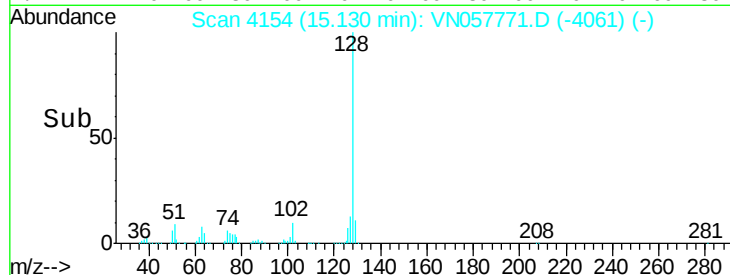
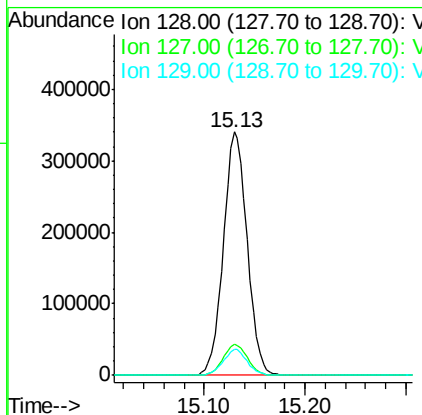
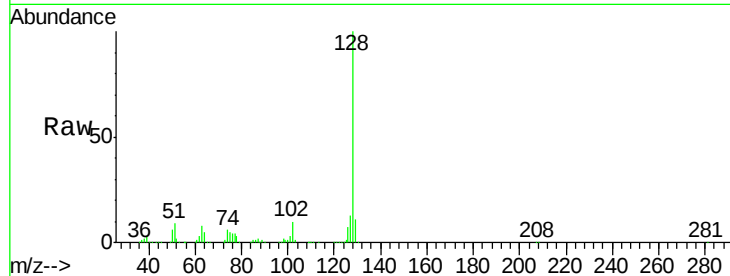
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	560813
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.8	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 3:03:25 PM



#96

1,2,3-Trichlorobenzene

Concen: 55.789 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057771.D

Acq: 7 Sep 2019 21:43

Tgt Ion:	180	Resp:	196868
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.0	141.2
145	32.0	17.5	52.6

